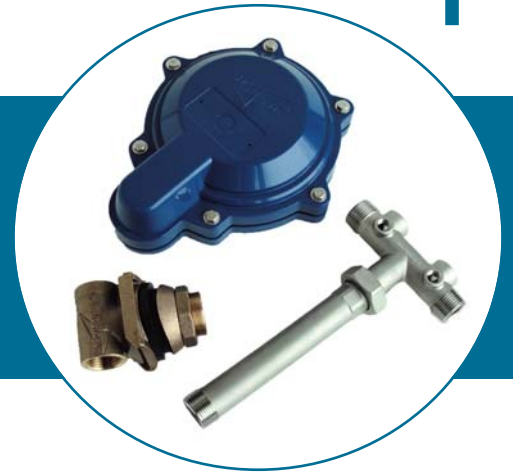
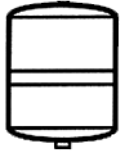


# PUMP & WELL



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### INLINE MODELS

- Appliance Gray finish
- Maximum working temperature: 200°F.
- Maximum working pressure: 100 PSIG
- **Third party certified to NSF/ANSI61&372**

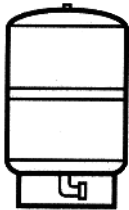


ANSI/NSF 61



Shipping Part Number	System Dimensions (ins)		Total Precharge Volume (gal)	Max Accept Factor	Drawdown (gal)			Wt (Vol) lbs (cu ft)	Pallet Qty	Conn. NPTM	Pressure (psig)	List Price
	Dia	Height			20/40	30/50	40/60					
SL2I	8	12 5/8	2.0	0.45	0.8	0.7	0.6	5 (0.6)	75	3/4"	18	\$ <b>359.06</b>
SL4I	11	15	4.4	0.55	1.8	1.5	1.3	9 (1.2)	48	3/4"	18	<b>506.01</b>
SL8I	11	22 1/4	7.4	0.43	3.1	2.6	2.2	15 (2.0)	32	3/4"	28	<b>701.49</b>
SL10I	15 3/8	17 3/4	10.3	1.00	4.1	3.5	3.0	20 (3.0)	18	1"*	38	<b>867.73</b>
SL14I	15 3/8	22	14.0	0.81	5.6	4.8	4.1	22 (4.1)	18	1"*	38	<b>894.10</b>

\* NPTF connection.



### VERTICAL STAND MODELS

- Appliance Gray finish
- Malleable elbow system connection.
- Maximum working temperature: 200°F.
- Maximum working pressure: 100 psig
- **Third party certified to NSF/ANSI 61&372.**



ANSI/NSF 61



Part Number	Dimensions (ins)			Total Volume (gal)	Max Accept Factor	Drawdown (gal)			Shipping Wt (Vol) lbs (cu ft)	Pallet Qty	System Conn. NPTF	Precharge Pressure (PSIG)	List Price
	Dia	Height	Height			20/40	30/50	40/60					
SL14V	15 3/8	25 1/8	14.0	0.81	5.6	4.8	4.1	25 (3.8)	18	1"	38	\$ <b>772.18</b>	
SL20V	15 3/8	32 1/8	20.0	0.57	8.0	6.8	5.9	33 (4.9)	18	1"	38	<b>1005.60</b>	
SL32V	15 3/8	46 1/2	32.0	0.35	-	10.9	9.4	43 (7.0)	9	1"	38	<b>1502.91</b>	
SL34V	22	29 5/8	34.0	1.00	13.7	11.6	10.0	61 (9.5)	4	1 1/4"	38	<b>1686.49</b>	
SL44V	22	36	44.0	0.77	17.7	15.0	12.9	69 (11.0)	4	1 1/4"	38	<b>2286.53</b>	
SL62V	22	46 3/4	62.0	0.55	24.9	21.1	18.2	92 (13.9)	4	1 1/4"	38	<b>2727.39</b>	
SL86VS	26	47 1/4	86.0	0.54	34.6	29.2	25.3	123 (18.9)	4	1 1/4"	38	<b>2717.38</b>	
SL119V	26	61 7/8	119.0	0.39	-	40.5	35.0	166 (24.5)	4	1 1/4"	38	<b>3422.13</b>	



### HORIZONTAL PUMP STAND MODELS

- Appliance Gray finish
- Maximum working temperature: 200°F.
- Maximum working pressure: 100 PSIG
- **Third party certified to NSF/ANSI 61&372.**



ANSI/NSF 61



Part Number	Dimensions (ins)			Total Volume (gal)	Max Accept Factor	Drawdown (gal)			Shipping Wt (Vol) lbs (cu ft)	Pallet Qty	System Conn. NPTM	Precharge Pressure (psig)	List Price
	H	W	L			20/40	30/50	40/60					
SL14H	16	15 3/8	20 7/8	14.0	0.81	5.6	4.8	4.1	29 (4.0)	18	1"	38	\$ <b>1162.08</b>



# Pump Tanks - Sourceline™



## SOURCELINE™ Characteristics

- Projection welded airtight valve
- Durable steel tank with appliance-like finish
- Pre-pressurized, sealed-in air chamber
- Butyl/EPDM diaphragm isolates water from air
- Separate polypropylene liner
- 100% non-metallic reservoir
- Water-tight, welded system connection
- 100 PSIG maximum working pressure
- NSF Standard 61 listed

## SOURCELINE™ Facts

- Seamless liner
- Diaphragm never creases like bladder tank designs
- No bubbles or corners to trap sediment
- Does not promote bacteria growth
- 5 year limited warranty

## Pre-Pressurized Water System Tanks Cross Reference

( ) represents total volume (gals.)

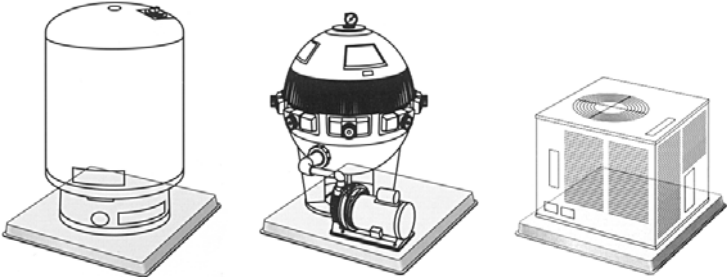
AGI Sourcline	Flexcon Challenger	Flexcon Well-Rite	AO Smith Goulds	Sta-Rite Pro-Source	State PermaAir	Elbi Top Pro	Wessels	Str. Fibers WellMate	Amtrol Well-X-Trol	Amtrol Wel-Flo	Amtrol Champion	Amtrol ProLine
SL2I (2)	JR6(2.1)	JR6(2.1)	V6P(2)		PIL-2(2)	D-8(2.1)	FX8(2.1)		WX101(2)			
SL4I(4.4)	JR15(4.5)	JR15(4.5)	V15P(4.5)		PIL-5(4.6)	D-18(5)	FX19(5)	WM-2(3.6)	WX102(4.4)			
	JR44HS(5.2)	JR44HS(5.2)		PS15H-S05(6)			FX20H(5.3)		WX105PS(5.3)			
	JR20(6.0)	JR20(6.0)		PS15-S02(6)		D-25(6.5)						
SL8I(7.4)	JR25(8.5)	JR25(8.5)	V25P(8.2)		PIL-7(7.3)				WX103(7.4)			
SL10I(10.3)									WX104(10.3)			
SL14I(14)									WX200(14)			
SL14V(14)	PC44(14)	WR45(14)	V45P(13.9)	PS30-T01(14)	PAD-14(14)	DV-50(13.5)	FX60V(16)	WM-4(14.5)	WX201(14)	WF45(14)	CH3001(14)	CA3001(14)
SL20V(20)	PC66(20)	WR60(20)	V60(19.9)	PS42T-T02(19)	PAD-20(20)	DV-80(21)	FX80V(21)	WM-6(19.8)	WX202(20)	WF60(20)	CH4202(20)	CA4202(20)
	PC88(26)	WR80(26)				DV-100(27)	FX100V(26)					
SL32V(32)	PC111(32)	WR100(32)	V100(31.8)	PS75T-T03(32)				WM-9(29.5)	WX203(32)	WF100(32)	CH8003(32)	CA8003(32)
SL34V(34)	PC122(33.4)	WR120(33.4)		PS82T-T05(35)	PAD-36S(36)				WX205(34)	WF110(34)	CH8205(34)	CA8205(34)
SL44V(44)	PC144(44)	WR140(44)	V140(45.2)			DV-150(40)		WM-12(40.3)	WX250(44)	WF140(44)	CH10050(44)	CA10050(44)
				PS120-T50(50)	PAD-52(52)		FX200V(52)					
SL62V(62)	PC211(62)	WR200(62)	V200(65.1)	PS200-T51(62)		DV-200(53)		WM-20WB(60)	WX251(62)	WF200(62)	CH12051(62)	CA12051(62)
SL86VT(86)	PC244(81)	WR240(81)	V260(84.9)		PAD-86(86)				WX252(86)	WF252(86)	CH252(86)	CA17252(86)
SL86VS(86)	PC266(85)	WR260(85)	V250(83.5)	PS220-T52(85)		DV-300(80)	FX300V(80)	WM-25WB(86.7)	WX302(86)	WF260(86)	CH17002(86)	CA17002(86)
					PAD-96(96)							
SL119V(119)	PC366(119)	WR360(119)	V350(115.9)		PAD-119(119.5)	DV-450(119)		WM-35WB(119.7)	WX350(119)	WF360(119)	CH22050(119)	CA22050(119)
						DV-500(132)	FX500V(132)					

# Equipment Pads



**The EcoPad™ Features:**

- 98% recycled polypropylene plastic mounting pad.
- Environmentally friendly alternative to concrete due to recycled content.
- Designed to support HVAC outdoor units and other outdoor equipment like well equipment, pool pumps and filters.
- Optimized rib pattern provides excellent support on soil and gravel.
- Pad should be placed on level soil, gravel, concrete or asphalt.
- Textured top surface to reduce slippage.
- Drillable for securing equipment. (1/4x1 3/4" Tapcon® recommended)
- Unaffected by UV exposure or extreme weather.
- Black
- Tested per ASTM C67 and ASTM D2299



**NEW  
STYLE**

Part Number	DISC Part Number *	Size	Pallet Qty	List Price
<b>2" PADS</b>				
EP2424-2		24" x 24" x 2"	44	\$ <b>98.02</b>
EP3232-2		32" x 32" x 2"	22	<b>157.97</b>
EP3636-2		36" x 36" x 2"	22	<b>193.35</b>
EP3842-2		38" x 42" x 2"	16	<b>242.75</b>
<b>3" PADS</b>				
EP2424-3		24" x 24" x 3"	16	<b>110.55</b>
EP3030-3		30" x 30" x 3"	16	<b>162.69</b>
EP3232-3		32" x 32" x 3"	16	<b>177.31</b>
EP3636-3		36" x 36" x 3"	16	<b>204.07</b>
EP3648-3		36" X 48" X 3"	16	<b>299.34</b>

**CLOSEOUT  
PRICING**

<b>2" PADS - * DISCONTINUED - LIMITED QUANTITIES AVAILABLE</b>				
	ACP38422	38" x 42" x 2"	24	<b>230.61</b>
<b>3" PADS - * DISCONTINUED - LIMITED QUANTITIES AVAILABLE</b>				
	ACP24243	24" x 24" x 3"	16	<b>105.02</b>
	ACP32323	32" x 32" x 3"	16	<b>168.44</b>
	ACP36363	36" x 36" x 3"	16	<b>208.13</b>
	ACP36483DT	36" X 48" X 3"	16	<b>290.89</b>

# Constant Pressure System Manifolds NO LEAD Brass, Brackets



CPSM-NL Series



### Constant Pressure System Manifold Features:



- No lead brass or 304 stainless steel manifold eliminates the need for extra tees, fittings & nipples required to install constant pressure pump systems.
- "NL" and "SS" Series are **third party certified to NSF/ANSI 372**.
- Easy to install, **13 1/2"** length provides plenty of room for tank and accessories. (Tank diameters up to 11" on 2" manifold.)
- Five ports allow installation for all needed plumbing accessories.
- 1" top port manifold allows for direct installation of FLEXCON, FLOW-THRU FT18 tank.
- Manifolds available with or without NL Bronze, PVC or SS bushings.

NO LEAD BRASS Part Number	Overall Length	Line Conn.	Tank Conn.	Transducer Port	Drain Ports	Gauge Port	Bushing	Ctn Qty	List Price
CPSM125BNL *	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	None	16	\$ 152.33
CPSM125PBNL	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/4" Plastic	16	162.36
CPSM125BBNL	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/4" NL Bronze	16	168.17
CPSM125PB3/4x1/2NL	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/2" Plastic	16	162.36
CPSM125BB3/4x1/2NL	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/2" NL Bronze	16	166.51
CPSM125-100BNL *	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	None	16	141.19
CPSM125-100PBNL	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" x 1/4" Plastic	20	160.48
CPSM125-100BBNL	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" x 1/4" NL Bronze	20	173.66
CPSM125-100PB1x1/2NL	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" x 1/2" Plastic	20	160.48
CPSM125-100BB1x1/2NL	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" x 1/2" NL Bronze	20	170.48

Please see Stainless Steel manifolds on next page.



### Constant Pressure System Manifold Mounting Brackets:

- Dual mounting brackets allow secure manifold placement with tank.
- Zinc-plated, heavy gauge steel tubing, all stainless steel mounting screws, locknuts, U-bolts, plastic end plugs.
- Brackets can be mounted two ways to allow for mounting flexibility.
- Brackets measure 8" x 12 1/2".
- 1 set includes 2 brackets & hardware.



Part Number	Size	Manifold Size	Ctn Qty	List Price
CPSMMB	8" x 12 1/2"	1 1/4"	8	\$ <b>74.69</b>
CPSMMB200	8" x 12 1/2"	2"	8	<b>78.47</b>



# Constant Pressure System Manifolds - 304SS



CPSM-SS Series



304 STAINLESS Part Number	Overall Length	Line Conn.	Tank Conn.	Transducer Port	Drain Ports	Gauge Port	Bushing	Ctn Qty	List Price
CPSM125SS	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	None	16	\$ 169.24
CPSM125SSPB	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/4" PVC	16	179.80
CPSM125SSPB3/4x1/2	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/2" PVC	16	177.30
CPSM125SSB	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/4" 304 SS	16	179.77
CPSM125SSB3/4x1/2	13 1/2"	1 1/4" mpt x 1" fpt	3/4" fpt	3/4" (1)	3/4" (2)	1/4" (1)	3/4"x1/2" 304 SS	16	179.73
CPSM125-100SS	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	None		\$ 169.24
CPSM125-100SSPB1x1/2	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" x 1/2" PVC		179.80
CPSM125-100SSB	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" X 1/4" 304 SS		184.12
CPSM125-100SSB1X1/2	13 1/2"	1 1/4" mpt x 1" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" X 1/2" 304 SS		184.12
CPSM200-100SS	13 1/2"	2" mpt x 1 1/2" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	None		298.35
CPSM200-100SSPB	13 1/2"	2" mpt x 1 1/2" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" x 1/4" PVC		328.55
CPSM200-100SSPB1x1/2	13 1/2"	2" mpt x 1 1/2" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" x 1/2" PVC		328.55
CPSM200-100SSB	13 1/2"	2" mpt x 1 1/2" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" X 1/4" 304 SS		305.83
CPSM200-100SSB1X1/2	13 1/2"	2" mpt x 1 1/2" fpt	1" fpt	1" (1)	3/4" (2)	1/4" (1)	1" X 1/2" 304 SS		304.96





## HARVARD NO LEAD Brass Constant Pressure System Manifold Installation Packages



- All kits contain:
  - EIPG1002-4BNL 0-100# NL pressure gauge
  - IRV75-100NL 3/4" x 100# NL brass relief valve
  - IHBB75NL NL brass 1/4 turn hose bibb
  - 13 1/2" long manifold as listed below for each kit
  - PVC or NL bronze bushing as listed below for each kit
  - optional CPSMMB mounting bracket

All **components are certified to NSF/ANSI 371** except the CPSMMB.

Part Number	Additional Components	List Price w/ PVC Bush	List Price w/ NLBB	List Price w/ Bracket
IPCPSM125PBNL	• CPSM125BNL 11/4" No Lead brass Manifold • 439-098 3/4"x1/4" PVC Sch 40 bushing	\$ 204.11		
IPCPSM125PBNLMB	Components above plus • CPSMMB 1 1/4" Mounting bracket			<b>307.38</b>
IPCPSM125BBNL	• CPSM125BNL 11/4" No Lead brass Manifold • NLBB3/4x1/4 3/4"x1/4" No Lead bronze bushing		220.76	
IPCPSM125BBNLMB	Components above plus • CPSMMB 1 1/4" Mounting bracket			<b>315.46</b>
IPCPSM125PB3/4X1/2NL	• CPSM125BNL 11/4" No Lead brass Manifold • 439-101 3/4"x1/2" PVC Sch 40 bushing	<b>207.97</b>		
IPCPSM125PB3/4x1/2NLMB	Components above plus • CPSMMB 1 1/4" Mounting bracket			<b>302.78</b>
IPCPSM125BB3/4X1/2NL	• CPSM125BNL 11/4" No Lead brass Manifold • NLBB3/4x1/2 3/4"x1/2" No Lead bronze bushing		219.09	
IPCPSM125-100BBNL	• CPSM125-100BNL 11/4" No Lead brass Manifold • NLBB1x1/4 1"x1/4" No Lead bronze bushing		335.23	
IPCPSM125-100BBNLMB	Components above plus • CPSMMB 1 1/4" Mounting bracket			<b>321.87</b>
IPCPSM125-100BB1X1/2NL	• CPSM125-100BNL 11/4" No Lead brass Manifold • NLBB1x1/2 1"x1/2" No Lead bronze bushing		335.23	
IPCPSM125-100BB1x1/2NLMB	Components above plus • CPSMMB 1 1/4" Mounting bracket			<b>323.05</b>





# Installation Packages - Constant Pressure Stainless Steel



## HARVARD STAINLESS STEEL Constant Pressure System Manifold Installation Packages

• Available with or without a mounting bracket.



Part Number	Components	Length	List Price	List Price w/ Bracket
IPCPSM125SSPB		13 1/2"	<b>307.44</b>	
• CPSM125SS	1 1/4" SS Constant Pressure System Manifold			
• EILPG1002-4BSS316	100lb All SS liquid filled pressure gauge, 1/4" SS back mount			
• IHBB75SS	3/4" SS 1/4 turn hose bibb			
• IRV75-100SS	3/4" SS relief valve (100 psi preset)			
• 439-101	3/4"x 1/2" PVC bushing			
• HTST60-1/2SS	1/2" x 60" Stainless Steel PTFE Tape			
IPCPSM125SSPBMB	Components above plus			<b>400.74</b>
• CPSMMB	1 1/4" Mounting bracket			
IPCPSM125SSB		13 1/2"	<b>337.31</b>	
• CPSM125SS	1 1/4" SS Constant Pressure System Manifold			
• EILPG1002-4BSS316	100lb All SS liquid filled pressure gauge, 1/4" SS back mount			
• IHBB75SS	3/4" SS 1/4 turn hose bibb			
• IRV75-100SS	3/4" SS relief valve (100 psi preset)			
• SSHB3/4x1/2	3/4"x 1/2" SS bushing			
• HTST60-1/2SS	1/2" x 60" Stainless Steel PTFE Tape			
IPCPSM125SSBMB	Components above plus			<b>430.91</b>
• CPSMMB	1 1/4" Mounting bracket			
IPCPSM125-100SSPB		13 1/2"	<b>\$ 310.71</b>	
• CPSM125-100SS	1 1/4" SS Constant Pressure System Manifold			
• EILPG1002-4BSS316	100lb All SS liquid filled pressure gauge, 1/4" SS back mount			
• IHBB75SS	3/4" SS 1/4 turn hose bibb			
• IRV75-100SS	3/4" SS relief valve (100 psi preset)			
• 439-130	1" x 1/2" PVC bushing			
• 439-131	1" x 3/4" PVC bushing			
• HTST60-1/2SS	1/2" x 60" Stainless Steel PTFE Tape			
IPCPSM125-100SSPBMB	Components above plus			<b>409.71</b>
• CPSMMB	1 1/4" Mounting bracket			
IPCPSM125-100SSB		13 1/2"	<b>350.42</b>	
• CPSM125-100SS	1 1/4" SS Constant Pressure System Manifold			
• EILPG1002-4BSS316	100lb All SS liquid filled pressure gauge, 1/4" SS back mount			
• IHBB75SS	3/4" SS 1/4 turn hose bibb			
• IRV75-100SS	3/4" SS relief valve (100 psi preset)			
• SSHB1x1/2	1" x 1/2" SS bushing			
• SSHB1x3/4	1" x 3/4" SS bushing			
• HTST60-1/2SS	1/2" x 60" Stainless Steel PTFE Tape			
IPCPSM125-100SSBMB	Components above plus			<b>445.40</b>
• CPSMMB	1 1/4" Mounting bracket			

# Installation Packages - Constant Pressure Stainless Steel

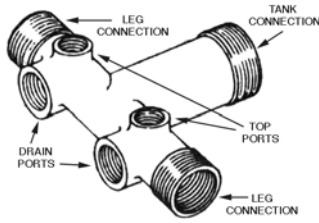


## HARVARD STAINLESS STEEL Constant Pressure System Manifold Installation Packages

- Available with or without a mounting bracket.



Part Number	Components	Length	List Price	
			List Price	w/ Bracket
IPCPSM200-100SSPB		13 1/2"	<b>462.54</b>	
	<ul style="list-style-type: none"> <li>• CPSM200-100SS 2" SS Constant Pressure System Manifold</li> <li>• EILPG1002-4BSS316 100lb All SS liquid filled pressure gauge, 1/4" SS back mount</li> <li>• IHBB75SS 3/4" SS 1/4 turn hose bibb</li> <li>• IRV75-100SS 3/4" SS relief valve (100 psi preset)</li> <li>• 439-130 1" x 1/2" PVC bushing</li> <li>• 439-131 1" x 3/4" PVC bushing</li> <li>• HTST60-1/2SS 1/2" x 60" Stainless Steel PTFE Tape</li> </ul>			
IPCPSM200-100SSPBMB	Components above plus			<b>548.09</b>
	<ul style="list-style-type: none"> <li>• CPSMMB200 2" Mounting bracket</li> </ul>			
IPCPSM200-100SSB		13 1/2"	<b>495.93</b>	
	<ul style="list-style-type: none"> <li>• CPSM200-100SS 2" SS Constant Pressure System Manifold</li> <li>• EILPG1002-4BSS316 100lb All SS liquid filled pressure gauge, 1/4" SS back mount</li> <li>• IHBB75SS 3/4" SS 1/4 turn hose bibb</li> <li>• IRV75-100SS 3/4" SS relief valve (100 psi preset)</li> <li>• SSHB1x1/2 1" x 1/2" SS bushing</li> <li>• SSHB1x3/4 1" x 3/4" SS bushing</li> <li>• HTST60-1/2SS 1/2" x 60" Stainless Steel PTFE Tape</li> </ul>			
IPCPSM200-100SSBMB	Components above plus			<b>577.06</b>
	<ul style="list-style-type: none"> <li>• CPSMMB200 2" Mounting bracket</li> </ul>			



## General Tank Cross Features:

- Internal and external threads reduce fittings needed & installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- **NO LEAD** brass tank crosses are **third party certified to NSF/ANSI 372.**
- \* **NO LEAD** brass tank crosses are **third party certified to NSF/ANSI 61&372.**



## NO LEAD BRASS Short Cast Crosses w/ 1 drain & 2 or 3 top ports.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CHT100FBSNL	2 1/2"	1" fpt	1" X 3/4"	3/4" (1)	1/4" (2)	NL Brass	Import	5/40	\$ 47.68
CCAT100BSNL *	4 1/4"	1" x 3/4"	1" x 3/4"	1/2" (1)	1/4" (2), 1/2" (1)	NL Brass	Import	4/40	68.32
CHC125BSNL	4 1/4"	1 1/4" x 1"	1" x 3/4"	1/2" (1)	1/4" (3)	NL Bronze	USA	12	<b>128.35</b>
CHC12550BSNL	4 1/2"	1 1/4" x 1"	1" x 3/4"	3/4" (1)	1/4" (2)	NL Brass	Import	5/40	<b>50.03</b>
CHT125BSNL	3 3/4"	1 1/4" x 1"	1 1/4" x 1"	3/4" (1)	1/4" (2)	NL Brass	Import	5/30	79.90
CIC125BSNL *	4 1/4"	1 1/4" x 1"	1" x 3/4"	3/4" (1)	1/4" (2), 1/2" (1)	NL Brass	Import	4/40	79.38



## NO LEAD BRASS Short Cast Crosses with 2 drain & 2 top ports.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CICCS100BNL	4 3/4"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Bronze	USA	12	\$ <b>122.71</b>
CICCS100BSENL *	4 1/2"	1" x 3/4"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	4/24	40.54
CIC3125BNL	5"	1 1/4" x 1"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Bronze	USA	12	<b>149.23</b>
CIC3125BSENL	4 1/2"	1 1/4" x 1"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	4/24	<b>59.68</b>
CIC71250BSNL	4 1/2"	1 1/4" x 1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	5/40	52.70
CIC712BNL	4"	1 1/4" x 1"	1" x 3/4"	3/4" (2)	1/4" (2)	NL Bronze	USA	12	<b>146.26</b>

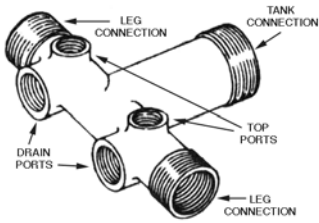


## NO LEAD BRASS Short Cast Crosses with Union Disconnect

- Metal to metal ball joint leak proof seal.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CICCS100BSUENL *	5 1/2"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	4/24	\$ 77.20
CICCS125BSUENL *	5 1/2"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	4/24	92.32



### General Tank Cross Features:

- Internal and external threads reduce fittings needed & installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- **NO LEAD** brass tank crosses are **Third party certified to NSF/ANSI 372.**
- \* **NO LEAD** brass tank crosses are **third party certified to NSF/ANSI 61&372.**



### NO LEAD BRASS Short cast crosses Use with Flexcon Flex-Lite Series, WellMate Tanks



\*



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CWM100BSNL *	4 1/2"	1" (FIP)	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	5/40	\$ 50.03
CWM125BSNL *	4 3/4"	1 1/4" (FIP)	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	4/32	60.08
CICS736BSNL	2 1/2"	1 1/4" MIP x 1" FIP	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	5/40	59.47
CIC736BNL		1" (FIP)	1" x 3/4"	1/4" (2)	1/2" (2)	Silicon Bronze	USA	12	103.83



### NO LEAD BRASS Short cast female union tank crosses Use with Flexcon "Flex-Lite" Series, WellMate Tanks. FPT brass union w/ American Standard Buna-N o-ring.

- 1" uses AS 568-212 o-ring
- 1 1/4" uses AS 568-320 o-ring.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CICS100BSFTUNL	4"	1" fpt union	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	4/32	\$ 55.52
CICS1251BSFTUNL	4"	1 1/4" fpt union	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	4/32	79.09
CICS125BSFTUNL	4"	1 1/4" fpt union	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	4/24	<b>80.68</b>

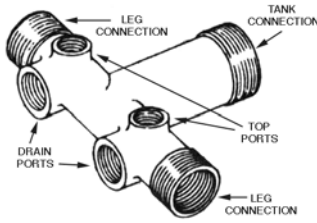


### NO LEAD Short Cast Quick Connect (w/ Buna-N o-ring) Crosses With alignment tabs for use with Well Mate "Quick Connect" Series Tanks.

- 1" and 1 1/4" uses AS568-220 o-ring.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CWM100BSQCNL	5"	Quick Connect	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	2/24	\$ 69.00
CWM125BSQCNL	5"	Quick Connect	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	2/24	92.80



### General Tank Cross Features:

- Internal and external threads reduce fittings needed & installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- **NO LEAD** brass tank crosses are **Third party certified to NSF/ANSI 372.**



### NO LEAD BRASS Short cast crosses for use with Flexcon Well-Rite, Online Series



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CFC100BSNL	4 1/2"	1" Union Th.	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	5/40	\$ 62.93
CFC125BSNL	4 1/2"	1 1/4" Union Th.	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	5/30	68.46

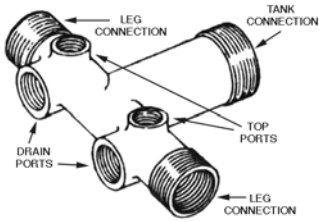


### NO LEAD BRASS Compact cast crosses with 1 drain & 2 top ports



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
TM100BSNL	2 1/2"	1" (FIP)	1" (FIP)	1/2" (1)	1/4" (2)	NL Brass	Import	5/50	\$ <b>27.75</b>
TM125BSNL	3"	1 1/4" (FIP)	1 1/4" (FIP)	3/4" (1)	1/4" (2)	NL Brass	Import	5/50	<b>38.34</b>





### General Tank Cross Features:

- Internal and external threads reduce fittings needed & installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- 304 Cast Stainless Steel.
- Stainless Steel tank crosses are **third party certified to NSF/ANSI 372**  
**or \* NSF/ANSI 61&372**



### 304 Stainless Steel Short Cast Crosses with 2 drain & 2 top ports.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CICS100SS *	4 1/2"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	5/40	\$ 80.14
CICS125SS *	4 1/2"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	304 Stainless	Import	4/24	106.63



### 304 Stainless Steel Short Cast Crosses with Union Disconnect

- PTFE captive gasket seal ring on 304 SS crosses.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CICS100SSU *	5 1/2"	1"	1"x3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	4/24	110.40
CICS125SSU *	5 3/4"	1 1/4"	1 1/4"x 1"	3/4" (2)	1/4" (2)	304 Stainless	Import	4/24	<b>136.84</b>



### 304 Stainless Steel Short cast crosses Use with Flexcon Flex-Lite Series, WellMate Tanks



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CWM100SS	4 3/4"	1" (FIP)	1"x3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	5/40	\$ 109.15
CWM125SS	4 3/4"	1 1/4" (FIP)	1 1/4"x1"	3/4" (2)	1/4" (2)	304 Stainless	Import	4/32	133.98



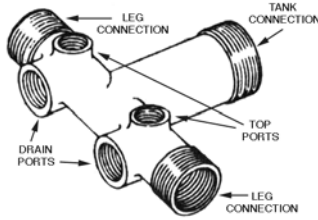
### 304 Stainless Steel Short cast female union tank crosses Use with Flexcon "Flex-Lite" Series, WellMate Tanks. FPT 304 Stainless Steel union w/ American Standard Buna-N o-ring.

- 1" uses AS 568-212 o-ring
- 1 1/4" uses AS 568-320 o-ring.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CICS100SSFTU	4"	1" fpt union	1" x 3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	4/32	\$ 124.28
CICS1251SSFTU	4"	1 1/4" fpt union	1" x 3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	4/32	119.55
CICS125SSFTU	4"	1 1/4" fpt union	1 1/4" x 1"	3/4" (2)	1/4" (2)	304 Stainless	Import	4/24	161.68

# Tank Crosses - Short, PVC, Galvanized



## General Tank Cross Features:

- Internal and external threads reduce fittings needed and installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- Injected molded PVC, galvanized ductile iron.
- Crosses are **third party certified to NSF/ANSI 372**.



### Short Cast Crosses with 1 drain and 3 top ports.

**\* DO NOT USE PTFE THREAD SEAL TAPE WITH PVC TANK CROSS APPLICATIONS. USE THREAD SEAL PASTE WITH OUT PTFE FOR PLASTIC THREADS ONLY.**



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CIC125	4 1/4"	1 1/4" x 1"	1" x 3/4"	3/4" (1)	1/4" (2), 1/2" (1)	PVC*	USA	100	\$ 17.18



### Short cast galvanized crosses with one drain, two top ports



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
HC100G	3 3/4"	1" (FIP)	1" (FIP)	1/2" (1)	1/4" (2)	Ductile Iron	Import	30	\$ <b>40.98</b>
HC10075G	4"	1" (FIP)	1" (FIP)	3/4" (1)	1/4" (2)	Ductile Iron	Import	40	<b>55.49</b>
HC125G	3 3/4"	1 1/4" (FIP)	1 1/4" (FIP)	1/2" (1)	1/4" (2)	Ductile Iron	Import	24	<b>51.05</b>
HC12575G	4"	1 1/4" (FIP)	1 1/4" (FIP)	3/4" (1)	1/4" (2)	Ductile Iron	Import	25	<b>77.19</b>



### Short cast galvanized crosses with one drain, two top ports



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
IC100G	3"	1" (FIP)	1" (FIP)	3/4" (1)	1/4" (2)	Ductile Iron	Import	28	\$ <b>44.73</b>
IC125G	3 1/2"	1 1/4" (FIP)	1 1/4" (FIP)	3/4" (1)	1/4" (2)	Ductile Iron	Import	24	<b>53.68</b>



### Short cast galvanized crosses with two drain, two top ports



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
IC200G	3"	1" (FIP)	1" (FIP)	1/2" (2)	1/4" (2)	Ductile Iron	Import	48	\$ <b>46.31</b>





## Tank Installation Packages - 1" Side Discharge

- ALL tank installation package components contain no lead and are third party certified to NSF/ANSI 372.



TP100BRNL      CCAT100BSNL      NO LEAD Brass      4 1/4"      \$ **197.92**

- CCAT100BSNL      1" Short NO LEAD Brass Safety Tank Cross.
- 9013FSG2 30/50      Pressure Switch.
- B80-1/4 x 3      Brass Nipple.
- EIPG1002-4LNL      100lb NO LEAD Pressure Gauge
- IRV50NL      1/2" NO LEAD Brass Relief Valve
- HNKD50NL      1/2" NO LEAD Brass No Kink Boiler Drain



IPS100BSENL      CICS100BSENL      NO LEAD Brass      4 1/2"      \$ **155.33**

- see above      1" Short NO LEAD Brass Tank Cross.
- 9013FSG2      30/50 Pressure Switch.
- B80-1/4 x 3      Brass Nipple.
- EIPG1002-4LNL      100lb NO LEAD Pressure Gauge
- IRV50NL      1/2" NO LEAD Brass Relief Valve
- HNKD50NL      1/2" NO LEAD Brass No Kink Boiler Drain



IPS100SSNL      CICS100SS      Stainless Steel      4 1/2"      \$ **213.75**

- see above      1" Short Stainless Steel Cast Tank Cross.
- 9013FSG2 30/50      Pressure Switch.
- SS80-1/4 x 3      Stainless Steel Nipple.
- EIPG1002-4LNL      100lb NO LEAD Pressure Gauge
- IRV50SS      1/2" Stainless Steel Relief Valve
- IHBB50SS      1/2" Stainless Steel Hose Bibb
- HTST60-1/2SS      1/2" x 60" Stainless Steel PTFE Tape



IPWM100BSNL      CWM100BSNL      NO LEAD brass      4 1/2"      \$ **179.97**

IPWM100BSNL 40/60      CWM100BSNL      NO LEAD brass      4 1/2"      \$ **179.97**

- CWM100BSNL      1" NO LEAD Brass Cross for **FLEXCON "Flex-Lite" WELLMATE** tanks
- 9013FSG2      30/50 or 40/60 Pressure Switch.
- B80-1/4 x 3      Brass Nipple.
- EIPG1002-4LNL      100lb NO LEAD Pressure Gauge
- IRV50NL      1/2" NO LEAD Brass Relief Valve
- HNKD50NL      1/2" NO LEAD Brass No Kink Boiler Drain



# Tank Installation Packages - 1" Side Discharge

- ALL tank installation package components contain no lead and are third party certified to NSF/ANSI 372.



IPS100BSFTUNL	CICS100BSFTUNL	NO LEAD brass	4 1/2"	\$ <b>198.99</b>
IPS100BSFTUNL 40/60	CICS100BSFTUNL	NO LEAD brass	4 1/2"	\$ <b>198.99</b>
• CICS100BSFTUNL	1" NO LEAD Brass Cross for <b>FLEXCON "Flex-Lite"</b> , <b>WELLMATE</b> tanks			
• 9013FSG2	30/50 or 40/60 Pressure Switch.			
• B80-1/4 x 3	Brass Nipple.			
• EIPG1002-4LNL	100lb NO LEAD Pressure Gauge			
• IRV50NL	1/2" NO LEAD Brass Relief Valve			
• HNKD50NL	1/2" NO LEAD Brass No Kink Boiler Drain			



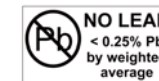
IPS100SSFTUNL	CICS100SSFTU	Stainless Steel	4"	\$ <b>250.98</b>
IPS100SSFTUNL 40/60	CICS100SSFTU	Stainless Steel	4"	\$ <b>250.98</b>
• CICS100SSFTU	1" Short Cast SS Tank Cross for <b>FLEXCON "Flex-Lite"</b> <b>WELLMATE</b> tanks			
• 9013FSG2	30/50 Pressure Switch.			
• SS80-1/4 x 3	Stainless Steel Nipple.			
• EIPG1002-4LNL	100lb NO LEAD Pressure Gauge			
• IRV50SS	1/2" Stainless Steel Relief Valve			
• IHBB50SS	1/2" Stainless Steel Hose Bibb			
• HTST60-1/2SS	1/2" x 60" Stainless Steel PTFE Tape			



IPS100BSUENL	CICS100BSUENL	NO LEAD Brass	5 1/2"	\$ <b>199.64</b>
IPS100BSUENL 40/60	CICS100BSUENL	NO LEAD Brass	5 1/2"	\$ <b>199.64</b>
• CICS100BSUENL	1" Short LEAD Brass Union Tank Cross			
• 9013FSG2	30/50 or 40/60 Pressure Switch.			
• B80-1/4 x 3	Brass Nipple.			
• EIPG1002-4LNL	100lb NO LEAD Pressure Gauge			
• IRV50NL	1/2" NO LEAD Brass Relief Valve			
• HNKD50NL	1/2" NO LEAD Brass No Kink Boiler Drain			



IPS100SSUNL	CICS100SSU	Stainless Steel	5 1/2"	\$ <b>236.02</b>
IPS100SSUNL 40/60	CICS100SSU	Stainless Steel	5 1/2"	\$ <b>236.02</b>
• see above	1" Short Cast Stainless Steel Tank Cross.			
• 9013FSG2	30/50 or 40/60 Pressure Switch.			
• SS80-1/4x3	Stainless Steel Nipple.			
• EIPG1002-4LNL	100lb No Lead Pressure Gauge.			
• IRV50SS	1/2" Stainless Steel Relief Valve.			
• IHBB50SS	1/2" Stainless Steel Hose Bibb.			
• HTST60-1/2SS	1/2" x 60" Stainless Steel PTFE Tape			





# Tank Installation Packages - 1 1/4" Side Discharge

- ALL tank installation package components contain no lead and are third party certified to NSF/ANSI 372.



IP125BSNL	CIC125BSNL	NO LEAD Brass	4 1/4"	\$ <b>217.75</b>
IP125BSNL 40/60	CIC125BSNL	NO LEAD Brass	4 1/4"	<b>217.75</b>
• CIC125BSNL	1 1/4" Short Cast NO LEAD Brass Cross.			
• 9013FSG2	30/50 or 40/60 Pressure Switch.			
• B80-1/4 x 3	Brass Nipple.			
• EIPG1002-4LNL	100lb NO LEAD Pressure Gauge			
• IRV50NL	1/2" NO LEAD Brass Relief Valve			
• HNKD75NL	3/4" NO LEAD Brass No Kink Boiler Drain			



IPWM125BSNL	CWM125BSNL	No Lead brass	4 3/4"	\$ <b>194.92</b>
IPWM125BSNL 40/60	CWM125BSNL	No Lead brass	4 3/4"	\$ <b>194.92</b>
• CWM125BSNL	1 1/4" NO LEAD Brass Cross for FLEXCON "Flex-Lite" WELLMATE tanks			
• 9013FSG2	30/50 or 40/60 Pressure Switch.			
• B80-1/4 x 3	Brass Nipple.			
• EIPG1002-4LNL	100lb. NO LEAD Brass Pressure Gauge.			
• IRV75NL	3/4" NO LEAD Brass Relief Valve.			
• HNKD75NL	3/4" NO LEAD Brass No Kink Boiler Drain			

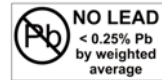
## Tank Installation Packages - 1 1/4" Side Discharge

- ALL tank installation package components contain no lead and are third party certified to NSF/ANSI 372.
- Do not use PTFE thread seal tape with PVC tank cross applications.
- Use thread paste without PTFE approved for plastic threads only.



IPS125BSFTUNL	CICS125BSFTUNL NO LEAD brass	4"	\$ <b>229.32</b>
IPS125BSFTUNL 40/60	CICS125BSFTUNL NO LEAD brass	4"	\$ <b>229.32</b>

- CICS125BSFTUNL 1 1/4" NO LEAD Brass Cross for FLEXCON "Flex-Lite" WELLMATE tanks
- 9013FSG2 30/50 or 40/60 Pressure Switch.
- B80-1/4 x 3 Brass Nipple.
- EIPG1002-4LNL 100lb. NO LEAD Brass Pressure Gauge.
- IRV75NL 3/4" NO LEAD Brass Relief Valve.
- HNKD75NL 3/4" NO LEAD Brass No Kink Boiler Drain



IPS125BSUENL	CICS125BSUENL NO LEAD Brass	5 1/2"	\$ <b>247.73</b>
IPS125BSUENL 40/60	CICS125BSUENL NO LEAD Brass	5 1/2"	\$ <b>247.73</b>

- CICS125BSUENL 1 1/4" Short Cast NO LEAD Brass Cross **w/ union**
- 9013FSG2 30/50 or 40/60 Pressure Switch.
- B80-1/4 x 3 Brass Nipple.
- EIPG1002-4LNL 100lb. NO LEAD Brass Pressure Gauge.
- IRV75NL 3/4" NO LEAD Brass Relief Valve.
- HNKD75NL 3/4" NO LEAD Brass No Kink Boiler Drain

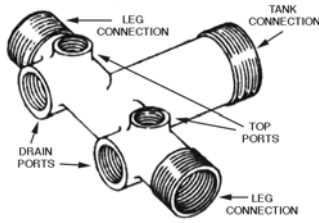


IPS125SSUNL	CICS125SSU	Stainless Steel	5 1/2"	\$ <b>303.91</b>
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- CICS125SSU 1 1/4" Short Cast Stainless Steel Tank Cross **w/ union**
- 9013FSG2 30/50 Pressure Switch.
- SS80-1/4x3 Stainless Steel Nipple.
- EIPG1002-4LNL 100lb No Lead Pressure Gauge.
- IRV75SS 3/4" Stainless Steel Relief Valve.
- IHBB75SS 3/4" Stainless Steel Hose Bibb.
- HTST60-1/2SS 1/2" x 60" Stainless Steel PTFE Tape



# Tank Crosses - Long Cast NO LEAD Brass, Stainless Steel



### General Tank Cross Features:

- Internal and external threads reduce fittings needed & installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- **NO LEAD** brass, bronze and stainless steel tank crosses are **third party certified to NSF/ANSI 372 or \* NSF/ANSI 61&372**



### NO LEAD BRASS and BRONZE Long Cast Tank Crosses with 1 drain & 2 top ports.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CHC100BSENL	11"	1"	1" x 3/4"	1/2" (1)	1/4" (2)	NL Brass	Import	2/24	\$ 66.61
CHC100BNL	11"	1"	1" x 3/4"	1/2" (1)	1/4" (2)	NL Bronze	USA	12	164.18



### NO LEAD BRASS and BRONZE Long Cast Tank Crosses with 2 drain & 2 top ports.



\*



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CIC100BSENL *	11"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	2/24	\$ 63.36
CIC100BNL	11"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Bronze	USA	12	164.84
CIC100BS14ENL	14"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	2/12	82.54
CIC125BS14ENL *	14"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	2/12	118.26



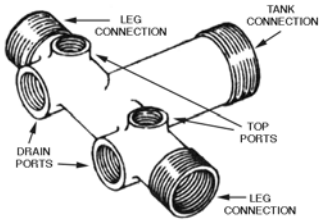
### 304 STAINLESS STEEL Long Cast Tank Crosses with 2 drain & 2 top ports.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CIC100SS *	11"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	2/24	\$ <b>138.89</b>
CIC125SS14 *	14"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	304 Stainless	Import	2/16	<b>236.61</b>



# Tank Crosses - Long Cast NO LEAD Brass, Stainless Steel



### General Tank Cross Features:

- Internal and external threads reduce fittings needed & installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- **NO LEAD** brass and stainless steel tank crosses are **third party certified to NSF/ANSI 372 or \* NSF/ANSI 61&372**



### NO LEAD BRASS Long Cast Tank Crosses with union disconnect, with 1 drain & 2 top ports

- Metal to metal ball joint leak proof seal.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CHC100BSUENL *	11"	1"	1" x 3/4"	1/2" (1)	1/4" (2)	NL Brass	Import	2/20	\$ <b>95.04</b>
CHC125BSU14ENL *	14"	1 1/4"	1 1/4" x 1"	3/4" (1)	1/4" (2)	NL Brass	Import	2/12	<b>146.05</b>



### NO LEAD BRASS Long Cast Tank Crosses with union disconnect, with 2 drain & 2 top ports

- Metal to metal ball joint leak proof seal.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
<b>NO LEAD Brass</b>									
CIC100BSUENL	11"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	2/20	\$ <b>76.92</b>
CIC100BSU14ENL *	14"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Brass	Import	2/12	129.72
CIC125BSU14ENL *	14"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Brass	Import	2/12	149.45



### 304 STAINLESS STEEL Long Cast Tank Crosses with union disconnect, with 2 drain & 2 top ports

- PTFE captive gasket seal ring on 304 SS crosses.

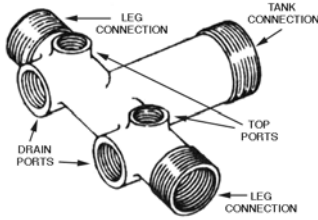


Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
<b>304 Stainless Steel</b>									
CIC100SSU *	11"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	2/20	\$ <b>132.01</b>
CIC100SSU14 *	14"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	304 Stainless	Import	2/20	<b>155.29</b>
CIC125SSU14 *	14"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	304 Stainless	Import	2/12	<b>148.04</b>





# Tank Crosses - Long Fabricated NO LEAD Bronze



### General Tank Cross Features:

- Internal and external threads reduce fittings needed and installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- **NO LEAD** bronze, fabricated tank crosses are **third party certified to NSF/ANSI 372.**



**No Lead Long Fabricated Tank Crosses with 1 drain and 2 top taps.**



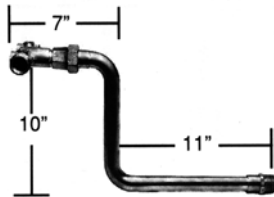
Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CHC100BFNL	11"	1"	1" x 3/4"	1/2" (1)	1/4" (2)	NL Bronze/Copper	USA	12	\$ <b>147.29</b>
CHC100BF13NL	13"	1"	1" x 3/4"	1/2" (1)	1/4" (2)	NL Bronze/Copper	USA	12	<b>165.22</b>
CHC125BFNL	14"	1 1/4"	1 1/4" x 1"	3/4" (1)	1/4" (2)	NL Bronze/Copper	USA	12	<b>193.06</b>
CHC125BF16NL	16"	1 1/4"	1 1/4" x 1"	3/4" (1)	1/4" (2)	NL Bronze/Copper	USA	6	<b>199.32</b>



**NO LEAD Long Fabricated Tank Crosses with 2 drain and 2 top taps.**



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CIC100BFNL	11"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Bronze/Copper	USA	12	\$ <b>150.04</b>
CIC100BF13NL	13"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Bronze/Copper	USA	12	<b>151.91</b>
CIC125BFNL	14"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Bronze/Copper	USA	12	<b>202.50</b>
CIC125BF16NL	16"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Bronze/Copper	USA	6	<b>208.09</b>

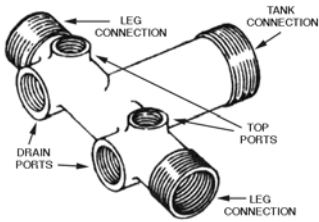


**NO LEAD Long Fabricated Elevated Tank Crosses with union disconnect.**



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
CIC740BFNL	18"	1"	1" x 3/4"	1/2" (2)	1/4" (2)	NL Bronze/Copper	USA	9	\$ <b>294.61</b>
CIC741BFNL	18"	1 1/4"	1 1/4" x 1"	3/4" (2)	1/4" (2)	NL Bronze/Copper	USA	6	<b>462.08</b>

# Tank Crosses - Long Fabricated PVC, Galvanized



## General Tank Cross Features:

- Internal and external threads reduce fittings needed and installation time.
- Reduces turbulence and waterlogging in tanks without separate air chambers.
- Galvanized ductile iron crosses contain no lead.
- **Third party certified to NSF/ANSI 372.**



## Long Fabricated PVC Tank Cross

- Shipped unassembled with 1 x 10 Sch 80 PVC nipple.
- Third party certified to NSF/ANSI 372.

\* Do not use PTFE thread seal tape with PVC tank cross applications.  
Use thread seal paste without PTFE for plastic threads only.

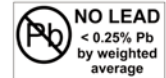


Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
IC100F	14"	1"	1" x 3/4"	3/4" (1)	1/4" (2), 1/2" (1)	PVC*	USA	12	\$ 28.94



## Long Fabricated Galvanized Ductile Iron Tank Cross

- Shipped unassembled.
- HC100GF supplied with 1x8 and 1/4x3 galvanized nipples.
- HC125GF & 125/100GF supplied with 1 1/4"x11" & 1/4"x3" galvanized nipples.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
HC100GF	11 1/2"	1" (MIP)	1" (FIP)	1/2" (1)	1/4" (2)	Ductile Iron	Import	12	\$ 54.95
HC125GF	14 1/2"	1 1/4" (MIP)	1 1/4" (FIP)	1/2" (1)	1/4" (2)	Ductile Iron	Import	4	77.54



## Long Fabricated Galvanized Ductile Iron Tank Cross

- Shipped unassembled.
- IC100GF supplied with 1x8 and 1/4x3 galvanized nipples.



Part Number	Overall Length	Tank Conn.	Leg Conn.	Drain Ports Size (Qty)	Top Ports Size (Qty)	Material	USA or Import	Ctn Qty	List Price
IC100GF	10 3/4"	1" (MIP)	1" (FIP)	3/4" (1)	1/4" (2)	Ductile Iron	Import	12	\$ 56.21

## Tank Installation Packages - 1" Bottom Discharge

- ALL NO LEAD brass tank installation package components are third party certified to NSF/ANSI 372.
- ALL tank installation package components contain NO LEAD.



TP100BSNL	CHC100BSENL	NO LEAD Brass 11"	\$ <b>183.03</b>
TP100BNL	CHC100BNL	NO LEAD Bronze 11"	\$ <b>330.89</b>
<ul style="list-style-type: none"> <li>• see above 1"x11" Long NO LEAD Brass or Bronze Tank cross</li> <li>• 9013FSG2 30/50 Pressure Switch.</li> <li>• B80-1/4x3 Brass Nipple.</li> <li>• EIPG1002-4LNL 100lb NO LEAD Pressure Gauge.</li> </ul>			



IP100BSENL	CIC100BSENL	NO LEAD Brass 11"	\$ <b>176.80</b>
IP100BSENL 40/60	CIC100BSENL	NO LEAD Brass 11"	\$ <b>176.80</b>
IP100BS14ENL	CIC100BS14ENL	NO LEAD Brass 14"	\$ <b>204.90</b>
IP100BS14ENL 40/60	CIC100BS14ENL	NO LEAD Brass 14"	\$ <b>204.90</b>
IP100BRNL	CIC100BNL	NO LEAD Bronze 11"	\$ <b>446.84</b>
IP100BFRNL	CIC100BFNL	NO LEAD Bronze 11"	\$ <b>427.41</b>
IP100BFRNL 40/60	CIC100BFNL	NO LEAD Bronze 11"	\$ <b>427.41</b>
IP100BF13RNL	CIC100BF13NL	NO LEAD Bronze 13"	\$ <b>430.20</b>
IP100BF13RNL 40/60	CIC100BF13NL	NO LEAD Bronze 13"	\$ <b>430.20</b>
<ul style="list-style-type: none"> <li>• see above 1" Long NO LEAD Brass or Bronze Tank Cross.</li> <li>• 9013FSG2 30/50 or 40/60 Pressure Switch.</li> <li>• B80-1/4x3 Brass Nipple.</li> <li>• EIPG1002-4LNL 100lb NO LEAD Pressure Gauge</li> <li>• IRV50NL 1/2" NO LEAD Brass Relief Valve</li> <li>• HNKD50NL 1/2" NO LEAD Brass No Kink Boiler Drain</li> </ul>			



IP100BSUENL	CIC100BSUENL	NO LEAD Brass 11"	\$ <b>211.37</b>
IP100BSUENL 40/60	CIC100BSUENL	NO LEAD Brass 11"	\$ <b>211.37</b>
IP100BSU14ENL	CIC100BSU14ENL	NO LEAD Brass 14"	\$ <b>259.62</b>
IP100BSU14ENL 40/60	CIC100BSU14ENL	NO LEAD Brass 14"	\$ <b>259.62</b>
<ul style="list-style-type: none"> <li>• see above 1" Long NO LEAD Union Tank Cross</li> <li>• 9013FSG2 30/50 or 40/60 Pressure Switch.</li> <li>• B80-1/4x3 Brass Nipple.</li> <li>• EIPG1002-4LNL 100lb NO LEAD Pressure Gauge</li> <li>• IRV50NL 1/2" NO LEAD Brass Relief Valve</li> <li>• HNKD50NL 1/2" NO LEAD Brass No Kink Boiler Drain</li> </ul>			



IP100SSNL	CIC100SS	Stainless Steel 11"	\$ <b>305.18</b>
IP100SSNL 40/60	CIC100SS	Stainless Steel 11"	\$ <b>305.18</b>
<ul style="list-style-type: none"> <li>• see above 1" Long Stainless Steel Cast Tank Cross.</li> <li>• 9013FSG2 30/50 or 40/60 Pressure Switch.</li> <li>• SS80-1/4x3 Stainless Steel Nipple.</li> <li>• EIPG1002-4LNL 100lb NO LEAD Pressure Gauge</li> <li>• IRV50SS 1/2" Stainless Steel Relief Valve</li> <li>• IHBB50SS 1/2" Stainless Steel Hose Bibb</li> <li>• HTST60-1/2SS 1/2" x 60" Stainless Steel PTFE Tape</li> </ul>			



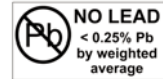
## Tank Installation Packages - 1" Bottom Discharge

- Do not use PTFE thread seal tape with PVC tank cross applications.
- Use thread paste without PTFE approved for plastic threads only.
- ALL tank installation package components contain NO LEAD.



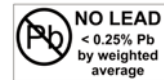
IP100SSUNL	CIC100SSU	Stainless Steel	11"	\$ <b>323.18</b>
IP100SSUNL 40/60	CIC100SSU	Stainless Steel	11"	<b>323.18</b>
IP100SSU14NL	CIC100SSU14	Stainless Steel	14"	<b>299.85</b>
IP100SSU14NL 40/60	CIC100SSU14	Stainless Steel	14"	<b>299.85</b>

- see above 1" Long Stainless Steel Union Tank Cross.
- 9013FSG2 30/50 or 40/60 Pressure Switch.
- SS80-1/4x3 Stainless Steel Nipple.
- EIPG1002-4LNL 100lb No Lead Pressure Gauge.
- IRV50SS 1/2" Stainless Steel Relief Valve.
- IHBB50SS 1/2" Stainless Steel Hose Bibb.
- HTST60-1/2SS 1/2" x 60" Stainless Steel PTFE Tape



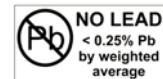
TP100GFNL	HC100GF	Fab Galvanized	11 1/2"	\$ <b>138.79</b>
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- HC100G 1" Galvanized Tank Cross.
- GS80-1/4x3 Galvanized Steel Nipple.
- GS80-1x8 Galvanized Steel Nipple.
- 9013FSG2 30/50 Pressure Switch.
- EIPG1002-4LNL 100lb NO LEAD Pressure Gauge
- HNKD50NL 1/2" NO LEAD Brass No Kink Boiler Drain



TP100PFNL	IC100F	Fab. PVC	14"	\$ <b>103.96</b>
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- IC100F 1" x 14" Long PVC Fabricated Safety Tank Cross.
- 9013FSG2 30/50 Pressure Switch.
- 1/4x3 PVC Schedule 80 Nipple.
- 450-005 PVC Schedule 40 Threaded Plug.
- EIPG1002-4LNL 100lb NO LEAD Pressure Gauge



IP100PFRNL	IC100F	Fab. PVC	14"	\$ <b>149.33</b>
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- IC100F 1"x14" Long PVC Fabricated Safety Tank Cross.
- 9013FSG2 30/50 Pressure Switch.
- 1/4 x 3 PVC Schedule 80 Nipple.
- EIPG1002-4LNL 100lb NO LEAD Pressure Gauge
- IRV50NL 1/2" NO LEAD Brass Relief Valve
- HNKD75NL 3/4" NO LEAD Brass No Kink Boiler Drain



## Tank Installation Packages 1 1/4" Bottom Discharge

- ALL tank installation package components are contain NO LEAD.



TP125BFNL	CHC125BFNL	NO LEAD Bronze	14"	<b>\$ 382.13</b>
<ul style="list-style-type: none"> <li>• CHC125BFNL 1 1/4" Long NO LEAD Fabricated Bronze Tank Cross</li> <li>• 9013FSG2 30/50 Pressure Switch.</li> <li>• B80-1/4 x 3 Brass Nipple.</li> <li>• EIPG1002-4LNL 100lb. NO LEAD Brass Pressure Gauge.</li> </ul>				



IP125BFR7NL	CIC125BFNL	NO LEAD Bronze	14"	<b>\$ 517.80</b>
IP125BFR7NL 40/60	CIC125BFNL	NO LEAD Bronze	14"	<b>517.80</b>
IP125BF16R7NL	CIC125BF16NL	NO LEAD Bronze	16"	<b>526.87</b>
IP125BF16R7NL 40/60	CIC125BF16NL	NO LEAD Bronze	16"	<b>526.87</b>
<ul style="list-style-type: none"> <li>• see above 1 1/4" Long NO LEAD Fabricated Bronze Tank Cross</li> <li>• 9013FSG2 30/50 or 40/60 Pressure Switch.</li> <li>• B80-1/4 x 3 Brass Nipple.</li> <li>• EIPG1002-4LNL 100lb. NO LEAD Brass Pressure Gauge.</li> <li>• RV75NL 3/4" NO LEAD Brass Relief Valve.</li> <li>• HNKD75NL 3/4" NO LEAD Brass No Kink Boiler Drain.</li> </ul>				



IP125BS14ENL	CIC125BS14ENL	NO LEAD Brass	14"	<b>\$ 254.82</b>
IP125BS14ENL 40/60	CIC125BS14ENL	NO LEAD Brass	14"	<b>254.82</b>
<ul style="list-style-type: none"> <li>• CIC125BS14ENL 1 1/4" Long NO LEAD Cast Brass Tank Cross</li> <li>• 9013FSG2 30/50 or 40/60 Pressure Switch.</li> <li>• B80-1/4 x 3 Brass Nipple.</li> <li>• EIPG1002-4LNL 100lb. NO LEAD Brass Pressure Gauge.</li> <li>• IRV75NL 3/4" NO LEAD Brass Relief Valve.</li> <li>• HNKD75NL 3/4" NO LEAD Brass No Kink Boiler Drain.</li> </ul>				



IP125BSU14ENL	CIC125BSU14ENL	NO LEAD Brass	14"	<b>\$ 311.64</b>
IP125BSU14ENL 40/60	CIC125BSU14ENL	NO LEAD Brass	14"	<b>311.64</b>
<ul style="list-style-type: none"> <li>• See above 1 1/4" Long NO LEAD Union Brass Tank Cross</li> <li>• 9013FSG2 30/50 or 40/60 Pressure Switch.</li> <li>• B80-1/4 x 3 Brass Nipple.</li> <li>• EIPG1002-4LNL 100lb. NO LEAD Brass Pressure Gauge.</li> <li>• IRV75NL 3/4" NO LEAD Brass Relief Valve.</li> <li>• HNKD75NL 3/4" NO LEAD Brass No Kink Boiler Drain.</li> </ul>				





## Tank Installation Packages 1 1/4" Bottom Discharge

- ALL tank installation package components contain NO LEAD.



IP125SS14NL 40/60	CIC125SS14	Stainless Steel 14"	<b>\$ 340.48</b>
• see above	11/4" Long Stainless Steel Cast Tank Cross.		
• 9013FSG2 40/60	Pressure Switch.		
• SS80-1/4x3	Stainless Steel Nipple.		
• EIPG1002-4LNL	100lb NO LEAD Pressure Gauge.		
• IRV75SS	3/4" Stainless Steel Relief Valve.		
• IHBB75SS	3/4" Stainless Steel Hose Bibb.		
• HTST260-1/2SS	1/2" x 260" Stainless Steel PTFE Tape		



IP125SSU14NL	CIC125SSU14	Stainless Steel 14"	<b>\$ 311.27</b>
IP125SSU14NL 40/60	CIC125SSU14	Stainless Steel 14"	<b>311.27</b>
• see above	11/4" Long Stainless Steel Union Tank Cross.		
• 9013FSG2	30/50 or 40/60 Pressure Switch.		
• SS80-1/4x3	Stainless Steel Nipple.		
• EIPG1002-4LNL	100lb NO LEAD Pressure Gauge.		
• IRV75SS	3/4" Stainless Steel Relief Valve.		
• IHBB75SS	3/4" Stainless Steel Hose Bibb.		
• HTST60-1/2SS	1/2" x 60" Stainless Steel PTFE Tape		



# Tank Installation Packages - Underground



## Underground Tank Installation Package Features:

- Includes components needed to complete the installation of underground (buried) well tanks.

## NO LEAD Parts include:

- 9013FSG2 40/60 pressure switch
- PT800TNL 1" NO LEAD bronze pitless adapter
- EIPG1002-4LNL NO LEAD 0-100 psi, steel case, pressure gauge
- 1/4x3 PVC Sch 80 nipple
- 6204 (2) Ideal SS hose clamps
- NLBT1/4 1/4" NO LEAD brass tee
- VT129HB-4-2N Nylon Ell 1/4" hose barb x 1/8" mip
- SW019 4 feet 1/4" x 1/2" OD red rubber hose
- 146-1899N 1/4" Nylon male insert adapter (mpt x hose barb)



## Part Number

## List Price

IP100UGNL 40/60

\$ **273.65**





# Pressure Relief Valves

## RV and IRV Series Relief Valve Features:

- Heavy duty no lead bronze, **no lead** brass or 304 stainless steel.
- For shallow, deep well and submersible pumps.
- **Third party certified to NSF/ANSI 372.**
- Spring loaded and pre-set under pressure, **NOT ADJUSTABLE.**
- 1/2" or 3/4" (IRV7575) discharge.



## Hamilton Adjustable Safety Relief Valve Features:

- Preset at 75 P.S.I. with concealed adjusting screw to prevent tampering.
- No-lead brass heavy duty, full-flow design with Buna-N seats.



RV-NL Series

ISO 9001



IRV-NL



IRV SS Series



HRV Series

NOTE: Relief valves on this page are not for use with hot water heaters. Recommended for cold water system installations only.

Preset relief valves are NOT intended to be adjusted. Any adjustment to preset relief valves voids warranty.

Part Number	Size	Pressure Setting	Ctn/Case	List Price
<b>NO LEAD Bronze Relief Valves - Made in USA</b>				
RV50NL	1/2"x 1/2"	Set at 75 psi	50/150	\$ <b>83.72</b>
RV75NL	3/4"x 1/2"	Set at 75 psi	50/150	<b>84.29</b>
RV50-100NL	1/2" x 1/2"	Set at 100 psi	50/150	<b>83.72</b>
RV75-100NL	3/4" x 1/2"	Set at 100 psi	50/150	<b>84.29</b>

## NO LEAD Brass Relief Valves - Imported

IRV50NL	1/2"x 1/2"	Set at 75 psi	10/100	16.68
IRV75NL	3/4"x 1/2"	Set at 75 psi	10/100	17.93
IRV7575NL	3/4"x 3/4"	Set at 75 psi	10/100	21.88
IRV50-100NL	1/2"x 1/2"	Set at 100 psi	10/100	16.68
IRV75-100NL	3/4"x 1/2"	Set at 100 psi	10/100	17.93
IRV7575-100NL	3/4"x 3/4"	Set at 100 psi	10/100	21.88

## 304 Stainless Steel Relief Valves - Imported

IRV50SS	1/2"x 1/2"	Set at 75 psi	10/100	<b>37.77</b>
IRV75SS	3/4" x 1/2"	Set at 75 psi	10/100	<b>38.46</b>
IRV7575SS	3/4" x 3/4"	Set at 75 psi	10/100	<b>40.47</b>
IRV50-100SS	1/2" x 1/2"	Set at 100 psi	10/100	<b>37.77</b>
IRV75-100SS	3/4" x 1/2"	Set at 100 psi	10/100	<b>38.46</b>
IRV7575-100SS	3/4" x 3/4"	Set at 100 psi	10/100	<b>40.47</b>

## Hamilton NO LEAD Brass Adjustable Safety Relief Valves

		Set at Adjustable to		Sold at Preset Only	
		75 psi	150 psi	25	193.62
HRV50NL	1/2" mipt x 1/2" fipt	75 psi	150 psi	25	193.62
HRV75NL	3/4" mipt x 3/4" fipt	75 psi	100 psi	25	240.00
HRV125NL	1 1/4" mipt x 1 1/4" fipt	75 psi	200 psi	10	450.08
HRV175NL	1" mipt x 3/4" fipt	75 psi	200 psi	25	313.57

FLOW RATES							
PSI	85	90	95	100	105	110	115
RV Series gpm	.30	7.3	7.7	9.8	17.9	18.9	20.6
IRV Series gpm	2.0	2.7	3.8	4.7	7.0	12.0	12.7
PSI	10	20	30	40	60	80	100
HRV50	.6	1.5	2.5	3.6	6.1	8.8	11.8
HRV75			2.8	5.5	11.0	13.8	17.9
HRV175	6.0	12.6	19.0	24.6	35.6	44.8	52.3
HRV125	12.0	35.0	48.4	69.2	106.5	132.5	150.0

# Installation Accessories - Tank



TL3



PMB1



SN18NL, SN18LNL, SN25NL, SN25LNL



PTG1002

## Tank Legs Features:

- Elevates tank above floor and out of condensation pools.
- Leveled on uneven floors without the use of tools.
- Custom molded from high strength ABS.

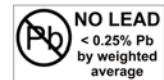
## Pump Mounting Bracket Features:

- Elevates pump out of corrosive atmosphere.
- Heavy duty 12 gauge cold rolled steel with gray powder coated enamel coating. Heaviest steel gauge bracket available in the market.
- Plastic protectors on the pump stand legs prevent scratching of the tank.
- Supplied with 1/2", 3/4", 1", 1 1/4" long zinc plated steel screws and two steel adapters to fit all manufacturers' tanks.
- Fits all pumps and comes individually cartoned.

**Contains  
hardware  
for Flexcon  
1/2" top nut  
tanks.**

## Air Valve Features:

- Used for reciprocating and submersible pumps to admit air to system.
- Used for charging applications and many other uses.
- Available in long and short patterns.
- Made in USA



## Pressure Test Gauge Features:

- 0-100 psi, 2" plastic lens.
- Brass test fitting with pressure release button.
- Heavy rubber boot to protect gauge from damage.

Part Number	Size	Pressure Setting/Description	Ctn Qty	List Price
<b>Tank Legs</b>				
TL3		(3/Package), ABS	48	\$ 10.90
<b>Pump Mounting Brackets</b>				
PMB1		12 gauge steel plate, Gray	20	<b>47.84</b>
<b>Air Valves - Made in USA</b>				
LVC18		Replacement Core for light spring models		1.05
SN18NL	1/8"	Short Pattern Light Spring (Snifter) NO LEAD	25/250	4.25
SN18LNL	1/8"	Long, Light Spring (Snifter) NO LEAD	25/250	5.39
SN18LNLNCS	1/8"	Long, No Core Spring NO LEAD	25/250	5.33
SN25NL	1/4"	Short Pattern Heavy Spring NO LEAD	25/250	5.70
SN25LNL	1/4"	Long, Light Spring (Snifter) NO LEAD	25/250	6.35
<b>Pressure Test Gauge</b>				
PTG1002		Pressure test gauge	50	16.39



## Clear Braided PVC Hose Standard Wall, Class 125 Features:



- Flexible, see through clear hose with braid pattern reinforcement of two polyester spirals.
- Flexible clear PVC NSF 51 certified to 100°F (38°C), USP CLASS V1 rated.
- All hose compound ingredients used are listed in US FDA CFR, Title 21.
- Temperature range + 25° to 150° F / -5° to +65°C.
- Silicone free.
- Food and beverage grade, standard wall.
- Use for air, water lines.

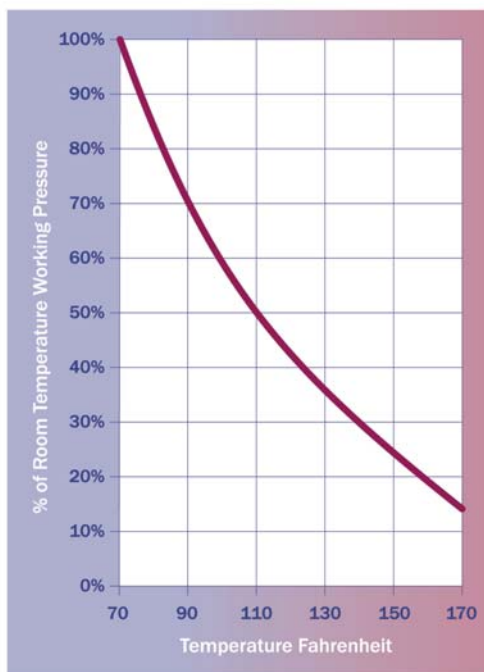
Part Number	Nominal (inches)		Max Working Pressure		Reel Length	Approx Wt per CFT.	List Price Per Reel
	ID	OD	PSI@68°F	PSI@122°F			
CBH25-1	1/4	0.438	250	105	100'	5.7 lbs	\$ <b>159.47</b>
CBH38-1	3/8	0.594	225	97	100'	9.0 lbs	<b>222.25</b>
CBH50-1	1/2	0.750	200	86	100'	13.8 lbs	<b>305.16</b>
CBH58-1	5/8	0.875	200	86	100'	16.5 lbs	<b>363.39</b>
CBH75-1	3/4	1.030	150	65	100'	21.9 lbs	<b>457.68</b>
CBH100-1	1	1.300	125	54	100'	31.5 lbs	<b>568.16</b>
CBH100-2	1	1.300	125	54	200'	31.5 lbs	<b>1061.98</b>
CBH125-50	1 1/4	1.625	100	43	50'	45.0 lbs	<b>559.55</b>
CBH125-1	1 1/4	1.625	100	43	100'	45.0 lbs	<b>1119.14</b>
CBH150-50	1 1/2	1.937	100	43	50'	64.0 lbs	<b>711.96</b>
CBH150-1	1 1/2	1.937	100	43	100'	64.0 lbs	<b>1423.86</b>
CBH200-1	2	2.490	75	33	100'	95.0 lbs	<b>2284.55</b>

**\*\* Temperatures higher than 68° F reduce available working pressure. See next page for temperature, working pressure calculation chart and cautionary note.**

## Effects of Elevated Temperatures on Thermoplastic Hose.

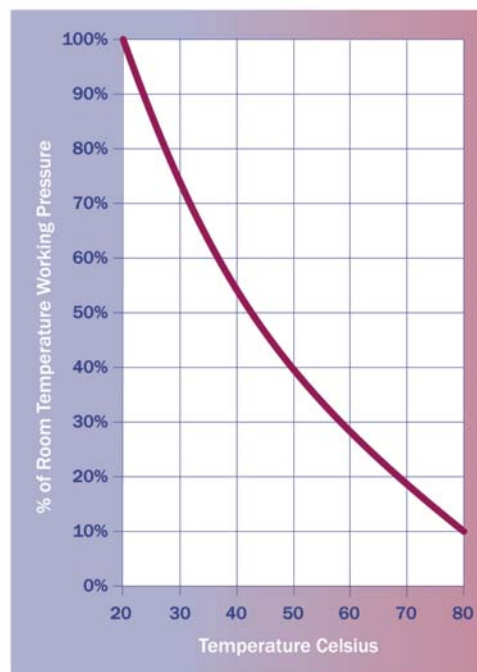
The compounds used in clear braided PVC hose are generally referred to as thermoplastics. These materials achieve their optimum physical properties at room temperature, 68°F (20°C). As these materials are exposed to increased ambient temperatures, they will soften and their physical properties will change. This will have the effect of sharply reducing the available working pressure. Coupling retention will also be reduced. The charts below illustrate this effect. In all cases, the product should be tested in a controlled, secure and safe environment, and all operating conditions should be considered prior to use.

All published working pressures of AGI Series CBH hose are based on a room temperature of 68°F (20°C).



### Example from the Fahrenheit Chart

If working pressure at 68°F is 200 psi, then the WP at 110°F is 200 x 50%, or 100 psi



### Example from the Celsius Chart

If working pressure at 20° is 14 bar, then the WP at 50°C is 14 x 50%, or 5.6 bar

## CAUTIONARY NOTE

The charts are to be used as a guideline only. The information and recommendations contained here are, to the best of our manufacturer's knowledge, accurate and reliable, but no guarantee of their accuracy is made. All products are sold upon the condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses, and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Variability in length of exposure, temperature, pressure, velocity of fluid, and chemical concentration all contribute to reduced working pressure and hose reliability.



AV  
Non-Repairable



AV Repairable

### Brady Air Volume Control Features:

- Maintains water flow-stretches pump life.
- Repairable and non-repairable offering.
- Diaphragm-type air volume control maintains correct proportions of air & water in jet systems.
- Die Cast, 96% Zinc. Individually cartoned.
- Available with or without Tapped Gauge Port.
- "E" Series compares to Boshart "AVC" & Merrill "AV" series non-repairable controls.



### Universal Air Charger Installation Kit Features:

- Fits all air volume controls.
- Includes 60" polyethylene tubing and assortment of special NL brass fittings and adapters, eliminating duplication of inventories with a single kit for all applications.



AVCTF1/4x3/8NL

### Air Volume Control Tank Fitting Features:

- No Lead Brass. Certified Lead Free



Part Number (Tapped)	Tank Capacity	Tank Port	Suction Port	Ctn Qty	Tapped List Price	Standard List Price
<b>Non-repairable *</b>						
AV45E	80	1/4" pipe	7/16"-24 pipe	50		<b>\$24.79</b>
AV45	80	1/4" pipe	7/16"-24 pipe	50		88.06
AV45F	80	1/4" pipe	1/8" pipe tap	50		84.93
AV100E	120	3/8" pipe	7/16"-24 pipe	50		<b>23.41</b>
AV100	120	3/8" pipe	7/16"-24 pipe	50		103.13
AV100F	120	3/8" pipe	1/8" pipe tap	50		108.69

### Repairable \*

AV30	42	1/4" pipe	7/16"-24 pipe	100		97.54
AV42 AV42T	80	1/4" pipe tap	1/4" pipe tap	50	123.72	124.18
AV80 AV80T	120	1/4" pipe tap	1/4" pipe tap	50	137.11	129.85
AV120 AV120T	220	3/8" pipe tap	1/4" pipe tap	25	181.54	184.02

### Repair Kits• Fits all makes of repairable diaphragm type controls

AV30-3A	For Brady AV30 controls	42	79.50
AV42-3A	For Brady AV42 controls	42	59.83
AV80-3A	For Brady AV80 controls	42	67.95
AV120-3A	For Brady AV120 controls	42	89.01

### Air Charger Installation Kit with Tubing and Fittings \*\*

UTF1NL	No lead kit	24	26.03
UTF1BTNL	No lead kit with Black Tubing	24	26.03

### Air Volume Control Tank Fitting - No Lead Brass

AVCTF1/4x3/8NL	Air Volume Control Tank Fitting 1/4" MPT x 3/8" FPT	500	6.96
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\*\* See page 6.7 for additional lengths of MV4040 1/2" OD x 0.17" ID translucent and black tubing.



HAE1

## HARVARD

### All Plastic Deep Well Air Release Features:

- Maintains proper ratio of air to water in submersible water systems.
- All polyethylene construction eliminates corrosion.
- Includes gauge port and 0-40 psi limited bleed adjustment.
- **NO LEAD - Third party certified to NSF/ANSI 372.**
- **Made in USA.**



BAR125N

### Brady Plastic Deep Well Air Release Features:

- Maintains the proper ratio of air to water.
- Constructed of ABS resin grade plastic.
- Non-corrosive, non-conductive and completely serviceable.
- Release mechanism consists of a Buna-N procession ball & 316 stainless steel spring.
- Factory set at 20 P.S.I., adjustable from 0 to 40 P.S.I.



WJ1NL

### Deep Well Air Release Features:

- Maintains proper ratio of air to water in submersible water systems.
- Deluxe deep well air release features ABS float and molded or cast body which prevents galvanic action at pump tank tapping.
- **WJ1NL NO LEAD**
- WJ1NL Imported.



HF93B1



### Shallow Well Control Features:

- Preserves correct proportion of water and air in shallow well reciprocating pump systems.
- **SWCLNL NO LEAD**
- Imported.



SWCL

Part Number	Tapping	Manufacturer	Ctn Qty	List Price
<b>All Plastic Deep Well Air Release</b>				
HAE1	1 1/4"	Harvard	49	\$ 48.45
BAR125N	1 1/4"	Brady	50	67.84
<b>Deep Well Air Release</b>				
WJ1NL	1 1/4"	Ametek	20	104.46
HF93B-1	1 1/4"	Johnson	50	<b>79.74</b>
<b>Shallow Well Control</b>				
SWCLNL	1 1/4"	NO LEAD Ametek	20	111.83



All torque arrestors, pump guides, cable guards are third party certified to NSF/ANSI 372.



TA48

### Deluxe Torque Arrestor Features:

- Two piece design, molded from PVC or natural rubber.
- PVC torque arrestor is **40% heavier** than competitors to resist long-term casing abrasion.
- Field adjustable to hold pump centered in well.
- Fits all well casings from 4" to 8" I.D.
- Torque Arrestor is securely fastened to 1" or 1 1/4" drop pipe w/ **2 Ideal all stainless steel** clamps included.
- Available bagged or bulk without clamps.



TA6100



SG Series

### Spider Style Torque Arrestor Features:

- Spider style molded from natural rubber.
- Installs just above discharge of submersible pump.
- Tabs are easily cut for field alteration.
- 4"-6" casing, 1" center hole.

### Natural Rubber Pump Guide Features:

- Installed at the top of the submersible pump discharge.
- Permits the pump to be lowered without damage from abrading against the well casing & ledge while centering the pump in the well.



MG6



WG Series

### Cable Guard Features:

- Snap-in and self clamping styles.
- Keeps power cable from abrading against well casing.
- A minimum of three to five should be used; one at the pump, one no further than 15' above the pump, and one between 25' and 30' above the pump.
- Adjustable - use in 4", 5" and 6" wells. Available for 1" or 1 1/4" drop pipe.
- Made of polyethylene and will float.

Part Number	Description	Color	Ctn Qty	List Price
<b>Deluxe PVC Torque Arrestor</b>				
TA48	Bagged, with 2 Ideal all stainless steel clamps	Black	16	\$ 21.36
TA48G	Bagged, with 2 Ideal all stainless steel clamps	Green	16	18.71
CTA48	Bulk, no clamps	Black	Bulk	17.46
CTA48G	Bulk, no clamps	Green	Bulk	13.13
<b>Deluxe Rubber Torque Arrestor</b>				
TA48R	Bagged with 2 Ideal all stainless steel clamps	Black	16	25.21
CTA48R	Bulk, No clamps	Black	Bulk	15.32
<b>Spider Style Rubber Torque Arrestor</b>				
TA6100	6x1	Black	50	61.87
<b>Natural Rubber Pump Guides Fits Casing ID Guide OD Drop Pipe</b>				
SG558-5X1	5-5/8"	5"	1"	Bulk <b>16.45</b>
SG600-55/8X1	6"	5 5/8"	1"	Bulk <b>19.47</b>
SG600-55/8X1 1/4	6"	5 5/8"	1 1/4"	Bulk <b>17.85</b>
SG625-6X1	6 1/4"	6"	1"	Bulk <b>19.18</b>
SG625-6X2	6 1/4"	6"	2"	Bulk <b>19.18</b>
<b>Cable Guard</b>				
MG6	With two cable holes, fits 4"-6" casing		100	1.34
WG100	1" Self-clamping style, fits 4"-6" casing		48	2.93
WG125	1 1/4" Self-clamping style, fits 4"-6" casing		48	4.86



MR Series

### HARVARD® Submersible Safety Rope Features:

- Custom extruded from tough polypropylene fiber.
- Highly resistant to chafing, abrasion & corrosion.
- Recommended wherever minimum stretch and maximum strength are required.
- Twisted SR25 Series tested in excess of 1,200 lbs.. Braided MR25 Series tested in excess of 1,000 lbs.
- Plastic or wood reels.



PO100

### Bleeder Orifices Features:

- Provides a fast bleed through its large opening.
- Complete closure prevents loss of pumping volume.
- Full 1" size molded of virgin rubber increases bleed capacity and reduces cost of pipe fitting.
- 3/4" available in brass, NO LEAD brass.
- Bleeder orifice tee available. Includes yellow brass ins tee w/ 1" rubber bleeder orifice.
- **All bleeder orifices are third party certified to NSF/ANSI 372.**



ES1S

### Ejector Screen Features:

- Protects heat pumps against plugged nozzles and clogged venturis.
- Non-corrosive stainless steel screen.
- Installs easily in discharge side of ejector.



CT Series

### Cable Tie Features:

- UL approved, self-clinching nylon fastener.
- Ideal for holding cable to drop pipe, positioning cable guards, etc.
- Withstands -65° to 225°F.
- Packaged in bags of 100.
- Manufactured for AGI in an ISO 9002 facility.



ISO 9002



Part Number	Description	Ctn Qty	List Price
<b>HARVARD® Braided Safety Rope</b>			
MR25-500	Blue/White, 1/4" x 500' Plastic Reel, 1000#	1	\$ 49.86
MR25-1	Blue/White, 1/4" x 1000' Plastic Reel, 1000#	1	96.25
MR25-3	Blue/White, 1/4" x 3000' Plastic Reel, 1000#	1	311.93
<b>HARVARD® Twisted Safety Rope</b>			
SR25-500	Black, 1/4" x 500' Plastic Reel, 1200#	1	54.46
SR25-1	Black, 1/4" x 1000' Plastic Reel, 1200#	1	102.14
SR25-3	Black, 1/4" x 3000' Plastic Reel, 1200#	1	305.54
<b>Bleeder Orifices</b>			
PO75BNL	3/4" Brass, NO LEAD	25/250	15.01
PO100	1", Rubber	25/100	2.29
BOT100NL	No Lead Brass Insert Tee 1" w/ rubber bleeder orifice	6	<b>53.53</b>
<b>Ejector Screen</b>			
ES1S	Stainless Steel Screen	1	16.61
<b>Cable Ties</b>			
CT150	Bag of 100 Nylon, 1" to 1 1/4" diameter pipe, 8" long	1	13.52 /100
CT300	Bag of 100 Nylon, 1 1/2" to 4" diameter pipe, 15" long	1	24.96 /100

**Features:**

- **Light pattern, NO LEAD** cast bronze insert fittings for use with flexible plastic pipe.
- "E" Series **light pattern, NO LEAD** fittings compete with Merrill.
- **Third party certified to NSF/ANSI 372.**


**ERBMANL**

**EXLRBMANL**

**ERBCNL**

**ERBTNL**

**ERBENL**

Part Number	Size	Style	# Barbs	Ctn/CaseQty	List Price
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**NO LEAD Cast Bronze Male Insert Adapters (INS x MIP) \*NSF61** (Merrill CRBMANL Series)

ERBMA1/2NL *	1/2" x 1/2"	Hex	6	10/200	\$ <b>10.35</b>
ERBMA3/4NL *	3/4" x 3/4"	Hex	6	10/100	<b>14.19</b>
ERBMA1NL *	1" x 1"	Hex	7	10/100	<b>21.98</b>
ERBMA1X3/4NL	1" x 3/4"	Hex	5	10/100	<b>15.13</b>
ERBMA11/4NL *	1 1/4" x 1 1/4"	Hex	6	10/100	<b>28.25</b>
ERBMA11/4X1NL	1 1/4" x 1"	Hex	7	10/100	<b>26.33</b>
ERBMA1X11/4NL	1" x 1 1/4"	Hex	6	10/100	<b>26.44</b>
ERBMA11/2NL	1 1/2" x 1 1/2"	Hex	6	5/50	<b>35.55</b>
ERBMA2NL	2" x 2"	Hex	7	5/50	<b>48.52</b>

**NO LEAD Cast Bronze Extra Long Male Adapters (INS x MIP) \*NSF61** (Merrill RBMANLXL)

EXLRBMA1NL *	1" x 1"	Hex	13	10/100	<b>38.51</b>
EXLRBMA11/4NL *	1 1/4" x 1 1/4"	Hex	13	10/100	<b>49.55</b>

**NO LEAD Cast Bronze Couplings (INS x INS) (Merrill RBCPNL Series)**

ERBC1/2NL	1/2" x 1/2"	Hex	4	10/200	<b>13.16</b>
ERBC3/4NL	3/4" x 3/4"	Hex	4	10/200	<b>14.85</b>
ERBC1NL	1" x 1"	Hex	5	12/120	<b>22.25</b>
ERBC11/4NL	1 1/4" x 1 1/4"	Hex	6	12/72	<b>33.15</b>
ERBC11/2NL	1 1/2" x 1 1/2"	Hex	4	5/50	<b>32.56</b>
ERBC2NL	2" x 2"	Hex	4	5050	<b>46.66</b>

**NO LEAD Cast Bronze Tees (INS x INS) \*NSF61** (Merrill RBHTNL Series)

ERBT3/4NL *	3/4" x 3/4"		5	10/100	<b>30.76</b>
ERBT1NL *	1" x 1"		5	10/100	<b>33.62</b>
ERBT11/4NL *	1 1/4" x 1 1/4"		6	5/50	<b>68.74</b>

**NO LEAD Cast Bronze Elbows (INS x INS) \*NSF61** (Merrill RBHENL Series)

ERBE3/4NL *	3/4" x 3/4"		5	10/100	<b>23.89</b>
ERBE1NL *	1" x 1"		5	10/100	<b>31.06</b>
ERBE11/4NL *	1 1/4" x 1 1/4"		6	10/50	<b>51.81</b>

# Pump Installation Adapters - NO LEAD Bronze

**Features:**

- **Heavy pattern**, contractor grade, NO LEAD cast bronze material.
- 20% to 30% heavier fittings than some competitors.
- **No Lead bronze are third party certified to NSF/ANSI 372.**
- SEE PAGE 12.4c - 12.4d for a complete line of imported NO LEAD cast bronze insert fittings.



☺ Limited Quantities Available

Part Number	Size	Style	Number of Barbs	Ctn/Case Qty	List Price
<b>No Lead Cast Bronze Male Insert Adapters (INS x MIP)</b>					
NLRBMA1/2	1/2" x 1/2"	Hex	5	10/200	\$ <b>11.59</b>
NLRBMA3/4	3/4" x 3/4"	Hex	5	10/200	<b>15.17</b>
NLRBMA3/4X1	3/4" x 1"	Hex	6	10/100	<b>19.40</b>
NLRBMA1	1" x 1"	Hex	7	10/100	<b>24.55</b>
NLRRBMA1	1" X 1"	Round	6	10/100	<b>24.43</b>
NLRBMA1X3/4	1" x 3/4"	Hex	5	10/100	<b>19.04</b>
NLRBMA1X11/4	1" x 1 1/4"	Hex	6	10/100	<b>29.82</b>
NLRBMA11/4	1 1/4" x 1 1/4"	Hex	6	10/100	<b>32.57</b>
NLRBMA11/4X1	1 1/4" x 1"	Hex	7	10/100	<b>32.02</b>
NLRBMA11/2	1 1/2" x 1 1/2"	Hex	6	5/50	<b>39.60</b>
NLRBMA11/2X11/4	1 1/2" x 1 1/4"	Hex	6	10/100	<b>55.09</b>
NLRBMA2	2" x 2"	Hex	7	5/50	<b>71.65</b>



NLRBMA



NLRRBMA



NLXLRBMA



NLLRBMA



NLRBRA



NLRBMUA



NLRBFA

**No Lead Cast Bronze Long Male Adapters (INS x MIP)**

NLLRBMA1 ☺	1" x 1"	Hex	9	10/100	<b>26.91</b>
NLLRBMA1x11/4 ☺	1" x 1 1/4"	Hex	9	10/100	<b>29.38</b>

**No Lead Cast Bronze Extra Long Male Adapters (INS x MIP)**

NLXLRBMA1	1" x 1"	Hex	12	10/100	<b>35.79</b>
NLXLRBMA1x11/4	1" x 1 1/4"	Hex	12	10/100	<b>38.32</b>
NLXLRBMA11/4	1 1/4" x 1 1/4"	Hex	12	10/100	<b>47.45</b>
NLXLRBMA2	2" x 2"	Hex	12	5/50	<b>84.47</b>

**No Lead Cast Bronze Male Union Adapters (INS x MIP)**

NLRBMUA1	1" x 1"	Hex	6	10/80	<b>54.80</b>
NLRBMUA11/4	1 1/4" x 1 1/4"	Hex	6	10/40	<b>60.10</b>

**No Lead Cast Bronze Rope Adapter (INS x MIP)**

NLRBRA1	1" x 1"	Round w/ rope eye	7	10/100	<b>31.23</b>
NLRBRA1X11/4	1" x 1 1/4"	Round w/ rope eye	6	10/100	<b>36.55</b>
NLRBRA11/4	1 1/4" x 1 1/4"	Round w/ rope eye	6	10/100	<b>39.62</b>

**No Lead Cast Bronze Female Adapters (INS x FIP)**

NLRBFA1/2	1/2" x 1/2"	Round	5	10/200	<b>17.48</b>
NLRBFA3/4	3/4" x 3/4"	Round	5	10/100	<b>19.25</b>
NLRBFA1	1" x 1"	Round	5	10/100	<b>30.60</b>
NLRBFA11/4	1 1/4" x 1 1/4"	Round	7	10/100	<b>38.07</b>
NLRBFA11/2	1 1/2" x 1 1/2"	Round	6	5/50	<b>45.38</b>
NLRBFA2	2" x 2"	Round	7	5/50	<b>69.73</b>



SSMA

XLSSMA



SSC



SST



SSE



SSHE



SSHT



SSHB

Part Number	Size	Style	# Barbs	Ctn/CaseQty	List Price
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<b>Cast 304 Stainless Steel Male Insert Adapters (MIP x INS)</b>					
SSMA1/2	1/2"	Hex	6	10/100	\$ 18.45
SSMA3/4	3/4"	Hex	6	10/200	19.41
SSMA3/4X1	3/4" X 1"	Hex	6	10/200	<b>26.28</b>
SSMA1	1"	Hex	7	10/100	28.61
SSMA11/4 *	1 1/4"	Hex	8	10/100	35.31
SSMA11/4X1 *	1 1/4" x 1"	Hex	7	10/100	32.94
SSMA11/2	1 1/2"	Hex	7	5/80	48.90
SSMA2	2"	Hex	7	5/40	59.60

<b>Cast 304 Stainless Steel Heavy Pattern Extra Long Male Adapters (MIPxINS)</b>					
XLSSMA1	1" x 1"	Hex	13	10/100	<b>41.66</b>
XLSSMA11/4X1	1 1/4" x 1"	Hex	13	5/50	<b>57.16</b>
XLSSMA11/4	1 1/4" x 1 1/4"	Hex	13	5/50	<b>57.76</b>

<b>Cast 304 Stainless Steel Coupling (INS x INS)</b>					
SSC1/2 *	1/2" x 1/2"	Hex	6	10/200	<b>20.41</b>
SSC3/4	3/4" x 3/4"	Hex	6	10/200	<b>22.95</b>
SSC1	1" x 1"	Hex	6	10/100	<b>28.99</b>
SSC11/4 *	1 1/4" x 1 1/4"	Hex	6	10/100	<b>49.26</b>
SSC11/2	1 1/2" x 1 1/2"	Hex	8	10/50	<b>48.85</b>

<b>Cast 304 Stainless Steel Tee (INS x INS x INS)</b>					
SST3/4	3/4" x 3/4"		5	5/50	28.35
SST1	1" x 1"		5	10/100	35.63
SST1x3/4	1" x 3/4"		6	10/100	33.44
SST11/4	1 1/4" x 1 1/4"		5	10/100	<b>73.19</b>

<b>Cast 304 Stainless Steel Elbow (INSxINS)</b>					
SSE3/4	3/4" x 3/4"		5	10/100	20.69
SSE1 *	1" x 1"		6	10/100	32.55
SSE1X11/4 *	1" X 1 1/4"		6	10/50	35.63
SSE11/4	1 1/4" x 1 1/4"		7	5/50	<b>46.17</b>

<b>Cast 304 Stainless Steel Hydrant Elbow (INSxMIP)</b>					
SSHE3/4	3/4" x 3/4"		5	10/100	23.93
SSHE1X3/4 *	1" x 3/4"		5	10/100	29.78
SSHE1 *	1" x 1"		6	10/100	31.03
SSHE11/4	1 1/4" x 1 1/4"		6	10/50	<b>66.21</b>

<b>Cast 304 Stainless Steel Hydrant Tee (INS x MIP)</b>					
SSHT3/4 *	3/4" x 3/4"		4	10/100	30.40
SSHT1x3/4 *	1" x 3/4"		6	10/100	38.01
SSHT1	1" x 1"		4	10/100	47.99

<b>Cast 304 Stainless Steel Hex Bushing (MIPxFIP)</b>					
SS304HB3/4X1/4	3/4" x 1/4"	Hex	-	25/500	<b>7.10</b>
SS304HB3/4X1/2	3/4" x 1/2"	Hex	-	25/500	<b>6.21</b>
SS304HB1X1/4	1" x 1/4"	Hex	-	10/200	<b>11.94</b>
SS304HB1X1/2	1" x 1/2"	Hex	-	10/200	<b>11.04</b>
SS304HB1X3/4	1" x 3/4"	Hex	-	10/200	<b>9.69</b>
SS304HB11/4x1	1 1/4" x 1"	Hex	-	10/160	<b>18.10</b>



# Pump Installation Fittings Swaged Stainless Steel

## Swaged Stainless Steel Insert Fitting Features:

- For use with flexible poly pipe.
- Third party certified to NSF/ANSI 372



IMASS



IMASSXL



ICSS Series



ISSVMA

Part Number	Size	Style	# Barbs	Ctn/Case Qty	List Price
<b>Swaged 304 Stainless Steel Male Adapters (MIP x INS)</b>					
IMASS50	1/2"	Round	6	25/200	\$ 12.83
IMASS75	3/4"	Round	6	25/150	13.35
IMASS100	1"	Round	7	20/120	21.72
IMASS125	1 1/4"	Round	7	20/80	27.69
IMASS12510	1 1/4 X 1"	Round	7	20/80	32.07
IMASS150	1 1/2"	Round	9	10/60	36.68
IMASS200	2"	Round	9	10/40	51.54
<b>Swaged 304 Stainless Steel Extra Long Male Insert Adapters (MIPxINS)</b>					
IMASS100XL	1"	Round	13	10/50	39.01
IMASS125XL	1 1/4"	Round	13	10/50	50.85

## Swaged 304 Stainless Steel Couplings (INS x INS)

ICSS50	1/2"	Round	6	25/200	\$ 10.86
ICSS75	3/4"	Round	6	25/150	12.30
ICSS7550	3/4 x 1/2"	Round	6x6	25/200	13.61
ICSS100	1"	Round	7	20/120	20.48
ICSS1075	1 x 3/4"	Round	7x6	10/100	18.43
ICSS125	1 1/4"	Round	7	20/80	25.70
ICSS12510	1 1/4 x 1"	Round	7x7	10/100	28.10
ICSS150	1 1/2"	Round	9	10/60	35.32
ICSS200	2"	Round	9	10/40	50.75
ICSS100XL	1"	Round	13	10/50	39.24

## Swaged 304 Stainless Steel Venturi Adapters, MIPT x INS IMPORTED

ISSVMA1X6	1" x 6"	Round	7	50	34.74
ISSVMA11/4X6	1 1/4" x 6"	Round	7	50	35.62
ISSVMA1X8	1" X 8"	Round	7	50	38.09

**NEW**



SS12

\* NO wrench-grip shoulder



SS38 Series



SS10 Series

## Swaged 316 Stainless Steel Male Insert Adapters (MIPxINS)

**Made in USA**

SS12-1/2*	1/2"	Round	6	25/300	\$ 15.77
SS12-3/4	3/4"	Hex	7	25/200	16.32
SS12-1	1"	Hex	7	20/160	22.48
SS12-11/4	1-1/4"	Hex	6	20/120	39.12
SS12-11/2	1-1/2"	Hex	6	10/60	44.18

## Swaged 316 Stainless Steel Male Reducing Adapter (MIP x INS)

**Made in USA**

SS38-11/4x1	1-1/4 x 1"	Round	7	25/100	38.38
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## Swaged 316 Stainless Steel Extra Long Male Adapter (MIP x INS)

**Made in USA**

XSS12-1	1"	Round	13	25	40.23
XSS12-11/4	1 1/4"	Round	13	25	53.90

## Swaged 316 Stainless Steel Coupling (INS x INS)

**Made in USA**

SS10-1	1"	Round	7	20	28.49
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## Swaged 316 Stainless Steel Extra Long Coupling (INS x INS)

**Made in USA**

XSS10-1	1"	Round	14	25	74.35
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# Pump Installation Well Seal Ells, Venturis

- Well Seal Ells and Venturis are third party certified to NSF/ANSI 372.



☺ Limited Quantities Available



ISWSE



S86, ISVMA,  
B86,

Part Number	Size	Ctn/Case	Qty	List Price
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### Zinc Plated Steel Well Seal Elbows (INS x INS)

ISWSE100	1"	25		\$ <b>39.95</b>
ISWSE125	1 1/4"	15		<b>43.38</b>

### Zinc Plated Steel Venturi Adapter (MIP x INS)

ISVMA1X6	1" x 6"	60		\$ <b>11.83</b>
ISVMA1X8	1" x 8"	50		<b>13.35</b>
ISVMA1X10	1" x 10"	40		<b>16.26</b>
ISVMA11/4X6	1-1/4" x 6"	50		<b>16.48</b>
ISVMA11/4X8	1-1/4" x 8"	40		<b>18.10</b>
ISVMA11/4X10	1-1/4" x 10"	30		<b>19.55</b>

### Zinc Plated Steel Venturi Adapter (MIP x INS) Made in USA

S86-3/4X12	3/4 x 12"	25		38.26
S86-1X6	1" x 6"	25		25.69
S86-1X8	1" x 8"	25		30.40

### Red Brass Venturi Adapter (MIP x INS) Made in USA

B86-1X6	1" x 6"	25/100		60.11
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**GLLS8**

### GEOLOOP Leak Seal:

- Preventative maintenance for residential and commercial geothermal systems.
- A blended concentrated material designed to coat all surfaces it comes into contact with and reduce the formation of rust and corrosion.
- Field tested and proven effective in sealing system leaks (holes up to 1/8" in diameter.)
- Do not use if strainer is installed in system.
- Can plug or seal off strainers and gauges. Use with care.

Part Number	Description	Ctn Qty	List Price
GLLS8	GEOLOOP Leak Seal 8 oz. bottle	20	\$ 25.53

### GEOLOOP Leak Seal Directions:

- Shake well before using.
- Use one 8 oz. bottle per 5 ton (up to 1200 gallons) system for minor leaks. A second bottle can be added for larger leaks.
- Premix with no less than 8-16 oz. of water.
- With circulating pump(s) running in continuous mode or using flushcart, pour or insert mixture into loop and circulate for several hours at low pressure. After introduced to the system, build pressure to 60 psi or higher (not to exceed 160 psi). Circulate for 24 hours. Return system to normal operating pressure thereafter. Check system in one week for pressure drop. Treatment can be repeated if needed.



**RBGSE**

### Cast Bronze Ground Source Elbow Features:

- Elbow with 1/4" tapping used to check pressures and temperatures at the geothermal unit.

☺ Limited Quantities Available



Part Number	Size	Ctn/Case Qty	List Price
<b>Cast Bronze Ground Source Elbows (INS x MIP w/ 1/4" tap)</b>			
RBGSE1X3/4 ☺	1" x 3/4"	10/100	\$ 17.32
RBGSE1	1" x 1"	10/80	<b>30.55</b>
RBGSE11/4	1 1/4" x 1 1/4"	5/50	37.99



**HFBV6-1**

**ISO 9001**

### Forged Brass FULL Port Ball Valve with Hose Barbs Features:

- Heavy pattern, full port, forged brass construction.
- PTFE seats, chrome plated brass ball.
- PTFE stem packing with adjustable gland follower.
- Blow-out proof stem design.
- **600 psi W.O.G.** non-shock; **150 psi S.W.P.**
- Insert hose barb ends for use with polyethylene pipe connections.
- Imported. Manufactured for American Granby in an ISO 9001 facility.



MATERIAL SPECIFICATIONS	
Handle nut	Zinc Coated Steel
Handle	Zinc Coated Steel
Gland Follower	Forged Brass
Stem Packing	PTFE
Ball	Chrome Plated Brass
Seats	PTFE
Body	Forged Brass
End Adapter	Forged Brass

Part Number	Size	Ctn/Case Qty	List Price
HFBV6-50I	1/2"	50/100	\$ 13.52
HFBV6-75I	3/4"	30/60	30.10
HFBV6-100I	1"	20/40	<b>52.27</b>
HFBV6-125I	1-1/4"	12/24	<b>68.76</b>

**Couplings for connecting pipe in submersible pump applications.  
Ideal for all other threaded applications.**



DPC Series



SSDPC Series

### DPC Series Features:

- Available in Schedule 80 or 120
- Machined from custom extruded PVC stock which eliminates weak points that occur in molded couplings.
- Reamed and drifted for easy starting of threads.
- Tapered pipe threads for positive watertight connections.
- Made in U.S.A.



### SSDPC Series Features:

- Heavy duty, extra heavy wall cast 304 STAINLESS STEEL construction.
- Up to 60% heavier wall than other SS drop pipe couplings available.
- Reamed and drifted for easy starting of threads.
- Tapered pipe threads for positive watertight connections.
- Wrench flats for easy installation.
- **Third party certified to NSF/ANSI 372.**



Part Number	Pipe Size	Overall Length	Ctn Qty	List Price
<b>PVC Schedule 80 - Standard Wall</b>				
80DPC100	1"	2 3/4"	25	\$ 4.69
80DPC125	1 1/4"	2 3/4"	25	6.68
<b>PVC Schedule 120 - Extra Heavy Wall</b>				
DPC100	1"	2-3/4"	100	7.43
DPC125	1-1/4"	2-3/4"	100	8.89
DPC150	1-1/2"	3-3/8"	100	10.01
DPC200	2"	3-3/8"	100	11.69
<b>Cast Stainless Steel 304 - Heavy Duty - Extra Heavy Wall</b>				
SSDPC100	1"	2 1/2"	10 / 60	<b>32.64</b>
SSDPC125	1 1/4"	2 1/2"	8 / 48	<b>39.76</b>
SSDPC150	1 1/2"	2 1/2"	10 / 60	<b>43.47</b>
SSDPC200	2"	2 1/2"	6 / 36	<b>53.52</b>

# Couplings - Turned, Tool



### Turned Coupling Features:

- Used for suspending flush well points or strainers from drive shoes or tubular cylinders.
- Galvanized with standard pipe thread.
- Furnished with right hand pipe threads.
- Thin wall 434J.
- **Third party certified to NSF/ANSI 372.**



Part Number	Rt. Hand Thread Pipe Size	Well Size	Strainer Size	Coupling O.D.	Coupling Length	Ctn Qty	List Price
434J11/4X11/4	1 1/4 x 1 1/4"	2	1"	1 13/16"	2 1/4"	48	\$ <b>10.53</b>
434-11/4X11/4	1 1/4 X 1 1/4"	2	1 1/4	1 15/16"	2 1/4	48	<b>11.58</b>



### Tool Coupling Features:

- Heavy, extra-long black steel coupling recessed for use with well tools and drill rods.
- **Third party certified to NSF/ANSI 372.**



Part Number	Pipe Size	Thread	OD	Length	Ctn Qty	List Price
8049C	1"	1" Tapered	1 5/8"	3 1/2"	24	\$ <b>44.21</b>
8049D	1 1/4"	1 1/4" Straight	2 1/8"	3 3/4"	40	<b>57.70</b>

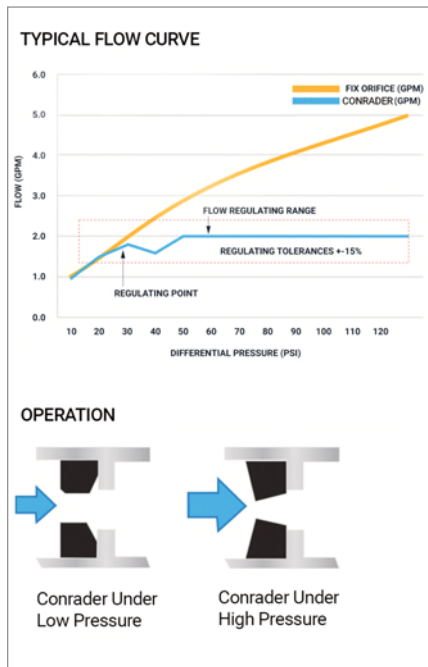
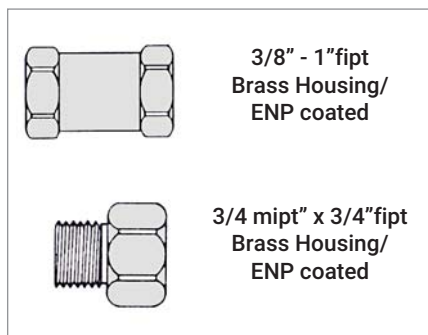


### Conrader Flow Control Valve Features:

- Prevents over-pumping of low yield wells.
- Installs in the discharge line between check valve and pressure tank.
- Do not use to suspend pipe.
- Self cleaning, designed to deliver constant volume of water over wide pressure drop range.
- Flow rated maintained within +/- 15% up to a pressure drop of 125 psi.
- Maximum system pressure 125 psi.
- ENP coated.
- Made in USA



**NEW**



Part Number	Inlet/Outlet	Flow (GPM)	List Price
7712-.06	FLOW CONTROL 3/8FX3/8F	.06 GPM	\$ 31.96
7712-.13	FLOW CONTROL 3/8FX3/8F	.13 GPM	31.96
7712-.19	FLOW CONTROL 3/8FX3/8F	.19 GPM	31.96
7712-.25	FLOW CONTROL 3/8FX3/8F	.25 GPM	31.96
7712-.35	FLOW CONTROL 3/8FX3/8F	.35 GPM	31.96
7712-.50	FLOW CONTROL 3/8FX3/8F	.50 GPM	31.96
7712-.75	FLOW CONTROL 3/8FX3/8F	.75 GPM	31.96
7712-1.0	FLOW CONTROL 3/8FX3/8F	1.0 GPM	31.96
7712-1.5	FLOW CONTROL 3/8FX3/8F	1.5 GPM	31.96
7718-1.0	FLOW CONTROL 1/2FX1/2F	1.0 GPM	31.96
7718-1.5	FLOW CONTROL 1/2FX1/2F	1.5 GPM	31.96
7718-2.0	FLOW CONTROL 1/2FX1/2F	2.0 GPM	31.96
7718-2.5	FLOW CONTROL 1/2FX1/2F	2.5 GPM	31.96
7718-3.0	FLOW CONTROL 1/2FX1/2F	3.0 GPM	31.96
7718-3.5	FLOW CONTROL 1/2FX1/2F	3.5 GPM	31.96
7718-4.0	FLOW CONTROL 1/2FX1/2F	4.0 GPM	31.96
7718-5.0	FLOW CONTROL 1/2FX1/2F	5.0 GPM	31.96
7718-6.0	FLOW CONTROL 1/2FX1/2F	6.0 GPM	31.96
7728-1.0	FLOW CONTROL 3/4FX3/4F	1.0 GPM	55.54
7728-1.5	FLOW CONTROL 3/4FX3/4F	1.5 GPM	55.54
7728-2.0	FLOW CONTROL 3/4FX3/4F	2.0 GPM	55.54
7728-2.5	FLOW CONTROL 3/4FX3/4F	2.5 GPM	55.54
7728-3.0	FLOW CONTROL 3/4FX3/4F	3.0 GPM	55.54
7728-3.5	FLOW CONTROL 3/4FX3/4F	3.5 GPM	55.54
7728-4.0	FLOW CONTROL 3/4FX3/4F	4.0 GPM	55.54
7728-4.5	FLOW CONTROL 3/4FX3/4F	4.5 GPM	55.54
7728-5.0	FLOW CONTROL 3/4FX3/4F	5.0 GPM	55.54
7728-5.5	FLOW CONTROL 3/4FX3/4F	5.5 GPM	55.54
7728-6.0	FLOW CONTROL 3/4FX3/4F	6.0 GPM	55.54
7728-7.0	FLOW CONTROL 3/4FX3/4F	7.0 GPM	55.54
7728-8.0	FLOW CONTROL 3/4FX3/4F	8.0 GPM	55.54
7728-9.0	FLOW CONTROL 3/4FX3/4F	9.0 GPM	55.54
7728-10.0	FLOW CONTROL 3/4FX3/4F	10.0 GPM	55.54
7728-11.5	FLOW CONTROL 3/4FX3/4F	11.5 GPM	55.54

# Flow Control Valves - Conrader

**NEW**



Part Number	Inlet/Outlet	Flow (GPM)	List Price
7053-1.0	FLOW CONTROL 3/4MX3/4F	1.0 GPM	71.25
7053-1.5	FLOW CONTROL 3/4MX3/4F	1.5 GPM	71.25
7053-2.0	FLOW CONTROL 3/4MX3/4F	2.0 GPM	71.25
7053-2.5	FLOW CONTROL 3/4MX3/4F	2.5 GPM	71.25
7053-3.0	FLOW CONTROL 3/4MX3/4F	3.0 GPM	71.25
7053-3.5	FLOW CONTROL 3/4MX3/4F	3.5 GPM	71.25
7053-4.0	FLOW CONTROL 3/4MX3/4F	4.0 GPM	71.25
7053-4.5	FLOW CONTROL 3/4MX3/4F	4.5 GPM	71.25
7053-5.0	FLOW CONTROL 3/4MX3/4F	5.0 GPM	71.25
7053-6.0	FLOW CONTROL 3/4MX3/4F	6.0 GPM	71.25
7053-7.0	FLOW CONTROL 3/4MX3/4F	7.0 GPM	71.25
7053-8.0	FLOW CONTROL 3/4MX3/4F	8.0 GPM	71.25
7053-9.0	FLOW CONTROL 3/4MX3/4F	9.0 GPM	71.25
7053-10.0	FLOW CONTROL 3/4MX3/4F	10.0 GPM	71.25
7053-11.5	FLOW CONTROL 3/4MX3/4F	11.5 GPM	71.25
7738-1.0	FLOW CONTROL 1FX1F	1.0 GPM	83.04
7738-1.5	FLOW CONTROL 1FX1F	1.5 GPM	83.04
7738-2.0	FLOW CONTROL 1FX1F	2.0 GPM	83.04
7738-2.5	FLOW CONTROL 1FX1F	2.5 GPM	83.04
7738-3.0	FLOW CONTROL 1FX1F	3.0 GPM	83.04
7738-3.5	FLOW CONTROL 1FX1F	3.5 GPM	83.04
7738-4.0	FLOW CONTROL 1FX1F	4.0 GPM	83.04
7738-4.5	FLOW CONTROL 1FX1F	4.5 GPM	83.04
7738-5.0	FLOW CONTROL 1FX1F	5.0 GPM	83.04
7738-5.5	FLOW CONTROL 1FX1F	5.5 GPM	83.04
7738-6.0	FLOW CONTROL 1FX1F	6.0 GPM	83.04
7738-7.0	FLOW CONTROL 1FX1F	7.0 GPM	83.04
7738-8.0	FLOW CONTROL 1FX1F	8.0 GPM	83.04
7738-9.0	FLOW CONTROL 1FX1F	9.0 GPM	83.04
7739-10.0	FLOW CONTROL 1FX1F	10.0 GPM	83.04
7739-12.0	FLOW CONTROL 1FX1F	12.0 GPM	83.04
7739-13.5	FLOW CONTROL 1FX1F	13.5 GPM	83.04
7739-15.0	FLOW CONTROL 1FX1F	15.0 GPM	83.04
7739-20.0	FLOW CONTROL 1FX1F	20.0 GPM	83.04
7739-25.0	FLOW CONTROL 1FX1F	25.0 GPM	83.04
7739-30.0	FLOW CONTROL 1FX1F	30.0 GPM	83.04

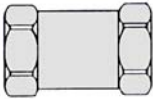




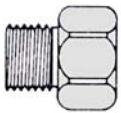
## Dole Flow Control Valve Features:

- Prevents over-pumping of low yield wells.
- Installs in the discharge line between check valve and pressure tank.
- Do not use to suspend pipe.
- Self cleaning, designed to deliver constant volume of water over wide pressure drop range.
- Flow rated maintained within +/- 15% up to a pressure drop of 125 psi.
- Maximum system pressure 125 psi.
- Lead Free.

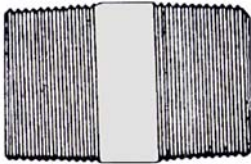




**GA, GB, GC, GX Series \***  
3/8" - 1" fipt  
Brass Housing/  
Nickle Plated

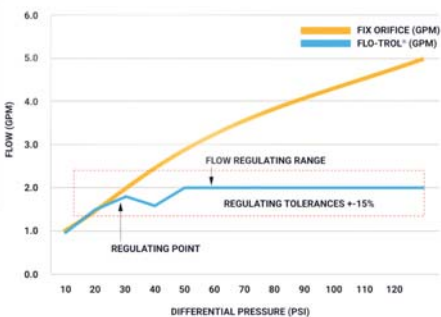


**GY Series**  
3/4 mipt" x 3/4" fipt  
Brass Housing

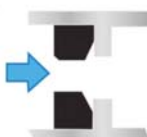


**GP, GT, GF, GH, GK Series**  
1 1/4" - 3" mipt  
Steel Housing/  
Zinc Plated

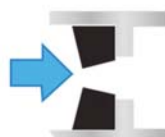
**TYPICAL FLOW CURVE**



**OPERATION**



Dole Under  
Low Pressure



Dole Under  
High Pressure

NEW Part Number	OLD	Flow (GPM)	Inlet/Outlet	List Price
<b>Brass Housing/Nickel Plated</b>				
* GA.06		0.06	3/8" fipt	\$ 42.40
GA.13	DV.13	0.13	3/8" fipt	<b>48.34</b>
GA.19	DV.19	0.19	3/8" fipt	<b>43.48</b>
GA.25	DV2.5	0.25	3/8" fipt	44.01
GA.35		0.35	3/8" fipt	<b>72.88</b>
GA.50	DV5	0.50	3/8" fipt	42.40
GA.75	DV75	0.75	3/8" fipt	<b>44.01</b>
GA1.0	DV10	1.0	3/8" fipt	<b>54.16</b>
<b>Steel Housing/Zinc Plated</b>				
* GB1.0	DV10-1/2	1.0	1/2" fipt	<b>73.52</b>
GB1.5	DV15	1.5	1/2" fipt	<b>82.24</b>
GB2.0	DV20	2.0	1/2" fipt	<b>82.24</b>
GB2.5	DV25	2.5	1/2" fipt	<b>82.24</b>
GB3.0	DV30	3.0	1/2" fipt	<b>58.25</b>
GB3.5	DV35	3.5	1/2" fipt	<b>58.25</b>
GB4.0	DV40	4.0	1/2" fipt	<b>75.85</b>
GB5.0	DV50-1/2	5.0	1/2" fipt	<b>58.25</b>
GB6.0	DV60-1/2	6.0	1/2" fipt	<b>82.24</b>
* GC1	DV1.0	1.0	3/4" fipt	<b>96.39</b>
GC1.5		1.5	3/4" fipt	<b>94.09</b>
GC2.0	DV2.0	2.0	3/4" fipt	<b>97.08</b>
GC2.5	DV2.5-3/4	2.5	3/4" fipt	<b>106.08</b>
GC3.0	DV30-3/4	3.0	3/4" fipt	<b>97.08</b>
GC3.5	DV3.5-3/4	3.5	3/4" fipt	<b>101.43</b>
GC4.0	DV40-3/4	4.0	3/4" fipt	<b>106.08</b>
GC5.0	DV50	5.0	3/4" fipt	<b>95.66</b>
GC6.0	DV60	6.0	3/4" fipt	<b>98.45</b>
GC7.0	DV70	7.0	3/4" fipt	<b>107.27</b>
GC8.0	DV80	8.0	3/4" fipt	<b>114.34</b>
GC9.0	DV90	9.0	3/4" fipt	<b>124.06</b>
GC10	DV100	10.0	3/4" fipt	<b>103.40</b>
GC11.5	DV115	11.5	3/4" fipt	<b>90.50</b>
* GX1.0	DV10-1	1.0	1" fipt	<b>149.72</b>
GX1.5	DV15-1	1.5	1" fipt	<b>134.43</b>
GX2.0	DV20-1	2.0	1" fipt	<b>150.12</b>
GX2.5	DV25-1	2.5	1" fipt	<b>150.12</b>
GX3.0	DV30-1	3.0	1" fipt	<b>133.00</b>
GX3.5	DV35-1	3.5	1" fipt	<b>150.12</b>
GX4.0	DV40-1	4.0	1" fipt	<b>140.57</b>
GX5.0	DV50-1	5.0	1" fipt	<b>133.00</b>
GX6.0	DV60-1	6.0	1" fipt	<b>130.89</b>
GX7.0	DV70-1	7.0	1" fipt	<b>161.60</b>



# Flow Control Valves - Dole

NEW Part Number	OLD	Flow (GPM)	Inlet/Outlet	List Price
GX8.0	DV80-1	8.0	1" fpt	\$ <b>143.81</b>
GX9.0	DV90-1	9.0	1" fpt	<b>153.49</b>
GX10	DV100-1	10.0	1" fpt	<b>148.68</b>
GX12	DV120	12.0	1" fpt	<b>162.14</b>
GX13.5	DV135-1	13.5	1" fpt	<b>162.14</b>
GX15	DV150	15.0	1" fpt	<b>162.46</b>
GX20	DV200	20.0	1" fpt	<b>148.68</b>
GX25	DV250	25.0	1" fpt	<b>185.63</b>
GX30	DV300	30.0	1" fpt	<b>162.14</b>

**\* Brass Housing**

GY1.0	DV1-3/4MXF	1.0	3/4"mipt x fipt	<b>122.46</b>
GY1.5	DV1.5-3/4MXF	1.5	3/4"mipt x fipt	<b>103.98</b>
GY2.0	DV2-3/4MXF	2.0	3/4"mipt x fipt	<b>121.17</b>
GY2.5	DV2.5-3/4MXF	2.5	3/4"mipt x fipt	<b>121.17</b>
GY3.0	DV3-3/4MXF	3.0	3/4"mipt x fipt	<b>121.40</b>
GY3.5	DV3.5-3/4MXF	3.5	3/4"mipt x fipt	<b>121.17</b>
GY4.0	DV4-3/4MXF	4.0	3/4"mipt x fipt	<b>121.17</b>
GY5.0	DV5-3/4MXF	5.0	3/4"mipt x fipt	<b>111.08</b>
GY6.0	DV6-3/4MXF	6.0	3/4"mipt x fipt	<b>122.69</b>
GY7.0	DV7-3/4MXF	7.0	3/4"mipt x fipt	<b>121.51</b>
GY8.0	DV8-3/4MXF	8.0	3/4"mipt x fipt	<b>143.52</b>
GY9.0	DV9-3/4MXF	9.0	3/4"mipt x fipt	<b>156.40</b>
GY10	DV10-3/4MXF	10.0	3/4"mipt x fipt	<b>122.71</b>
GY11.5		11.5	3/4"mipt x fipt	<b>103.98</b>

**\* Steel Housing/Zinc Plated**

GP1.0	DV1.0-11/4	1.0	1 1/4" mipt	<b>362.05</b>
GP2.0		2.0	1 1/4" mipt	<b>362.05</b>
GP2.5		2.5	1 1/4" mipt	<b>362.05</b>
GP3.0		3.0	1 1/4" mipt	<b>362.05</b>
GP3.5		3.5	1 1/4" mipt	254.13
GP4.0		4.0	1 1/4" mipt	<b>362.05</b>
GP5.0		5.0	1 1/4" mipt	<b>362.05</b>
GP6.0		6.0	1 1/4" mipt	<b>362.05</b>
GP7.0	DV75-11/4	7.0	1 1/4" mipt	<b>363.45</b>
GP8.0		8.0	1 1/4" mipt	<b>390.70</b>
GP9.0		9.0	1 1/4" mipt	<b>382.31</b>
GP10	DV10-11/4	10.0	1 1/4" mipt	254.13
GP12	DV12-11/4	12.0	1 1/4" mipt	254.13
GP15	DV15-11/4	15.0	1 1/4" mipt	254.13
GP20	DV20-11/4	20.0	1 1/4" mipt	254.13
GP25	DV25-11/4	25.0	1 1/4" mipt	254.13
GP30	DV30-11/4	30.0	1 1/4" mipt	254.13

* GT1.0		1.0	1 1/2" mipt	<b>450.28</b>
GT1.5		1.5	1 1/2" mipt	<b>487.24</b>
GT2.0	DV2-11/2	2.0	1 1/2" mipt	<b>450.28</b>
GT2.5		2.5	1 1/2" mipt	<b>450.28</b>
GT3.0		3.0	1 1/2" mipt	<b>503.08</b>
GT3.5		3.5	1 1/2" mipt	<b>450.28</b>
GT4.0		4.0	1 1/2" mipt	<b>503.08</b>
GT5.0	DV5-11/2	5.0	1 1/2" mipt	<b>503.08</b>

NEW Part Number	OLD	Flow (GPM)	Inlet/Outlet	List Price
<b>Steel Housing/Zinc Plated</b>				
GT7.0	DV7-11/2	7.0	1 1/2" mipt	<b>503.08</b>
GT9.0	DV9-11/2	9.0	1 1/2" mipt	<b>527.97</b>
GT10	DV10-11/2	10.0	1 1/2" mipt	<b>450.28</b>
GT12		12.0	1 1/2" mipt	<b>450.28</b>
GT13.5		13.5	1 1/2" mipt	<b>450.28</b>
GT15	DV15-11/2	15.0	1 1/2" mipt	<b>450.28</b>
GT20	DV20-11/2	20.0	1 1/2" mipt	<b>450.28</b>
GT25	DV25-11/2	25.0	1 1/2" mipt	<b>491.49</b>
GT30	DV30-11/2	30.0	1 1/2" mipt	<b>450.28</b>

GF10	DV10-2	10.0	2" mipt	<b>416.10</b>
GF12	DV12-2	12.0	2" mipt	<b>416.10</b>
* GF15		15.0	2" mipt	<b>416.10</b>
GF20	DV20-2	20.0	2" mipt	<b>416.10</b>
GF25		25.0	2" mipt	<b>416.83</b>
GF30	DV30-2	30.0	2" mipt	<b>416.83</b>

GH30		30.0	2-1/2" mipt	<b>874.37</b>
GH35	DV350	35.0	2-1/2" mipt	<b>874.37</b>
* GH40	DV400	40.0	2-1/2" mipt	<b>874.37</b>
GH45	DV450	45.0	2-1/2" mipt	<b>874.37</b>
GH50	DV500	50.0	2-1/2" mipt	<b>874.37</b>
GH55	DV550	55.0	2 1/2" mipt	<b>874.37</b>
GH60	DV600	60.0	2-1/2" mipt	<b>874.37</b>
GH65	DV650	65.0	2-1/2" mipt	<b>912.83</b>
GH70	DV700	70.0	2-1/2" mipt	<b>874.37</b>
GH75	DV750	75.0	2-1/2" mipt	<b>989.76</b>
GH80	DV800	80.0	2-1/2" mipt	<b>874.37</b>
GH85		85.0	2-1/2" mipt	<b>912.83</b>
GH90	DV900	90.0	2 1/2" mipt	<b>874.37</b>

GK30		30.0	3" mipt	<b>1325.77</b>
GK35	DV3500	35.0	3" mipt	<b>1156.16</b>
GK40	DV4000	40.0	3" mipt	<b>986.06</b>
GK45	DV4500	45.0	3" mipt	<b>986.06</b>
GK50		50.0	3" mipt	<b>986.06</b>
GK55	DV5500	55.0	3" mipt	<b>986.06</b>
GK60		60.0	3" mipt	<b>986.06</b>
GK65	DV6500	65.0	3" mipt	<b>986.06</b>
GK70		70.0	3" mipt	<b>986.06</b>
GK75		75.0	3" mipt	<b>986.06</b>
GK80		80.0	3" mipt	<b>986.06</b>
GK85	DV8500	85.0	3" mipt	<b>1017.42</b>
GK90		90.0	3" mipt	<b>986.06</b>
GK95		95.0	3" mipt	<b>986.06</b>
GK100	DV1000	100.0	3" mipt	<b>1111.49</b>
GK105		105.0	3" mipt	<b>986.10</b>
GK110		110.0	3" mipt	<b>1048.77</b>
GK115		115.0	3" mipt	<b>1018.63</b>
GK120	DV1200	120.0	3" mipt	<b>982.93</b>



HS and HSC Series



EC Series

### Heat Shrink Splicing Kit Features:

- Excellent dielectric strength and can be shrunk over a large diameter connector and still effectively seals watertight down to a small diameter cable.
- Available in two, three and four wire kits. Designed to fit the new, smaller O.D. pump leads.
- No grease tape or epoxy is needed.
- Highly resistant to moisture, fungus and weathering.
- Supplied w/ EC1410 wire connectors for #14-#10 gauge wire. (EC6/8 for LHS Series.)
- Private labeling available for minimum orders of 200 kits.
- Bulk tubing available.
- **Third party certified to NSF/ANSI 372.**



### Wire Connector Features:

- Provides quick, safe and sure electrical connection.
- Seamless.
- 13/16" in length.



Part Number	Tubes Fits Wire Size	# Tubes	# Butt Connectors (included in kit)	Ctn Qty	List Price
<b>Black Heavy Wall Heat Shrink Kits</b>					
HS2	#14, #12, #10	2	2	50	\$ 3.97
HS3	#14, #12, #10	3	3	50	5.70
HS3-4	#14, #12, #10	3	4	50	5.98
HS4	#14, #12, #10	4	4	50	6.49
LHS3	#8, #6, #4, #2	3	3 (#8) 3 (#6)	20	14.86
LHS4	#8, #6, #4, #2	4	4 (#8) 4 (#6)	20	19.61
CHST	#14, #12, #10	BULK	0	500	1.32
<b>Black Standard Wall Heat Shrink Kits</b>					
HSSW2	#14, #12, #10	2	2	50	2.99
HSSW2-3	#14, #12, #10	2	3	50	3.27
HSSW3	#14, #12, #10	3	3	50	4.32
HSSW4	#14, #12, #10	4	4	50	5.61
CHSSWT	#14, #12, #10	BULK	0	500	0.97
<b>Clear Heavy Wall Heat Shrink Kits</b>					
HSHWC2	#14, #12, #10	2	2	50	3.88
HSHWC2-3	#14, #12, #10	2	3	50	4.78
HSHWC3	#14, #12, #10	3	3	50	5.52
HSHWC3-4	#14, #12, #10	3	4	50	5.74
HSHWC4	#14, #12, #10	4	4	50	7.07
LHSHWC3	#8, #6, #4, #2	3	3 (#8) 3 (#6)	20	14.86
LHSHWC4	#8, #6, #4, #2	4	4 (#8) 4 (#6)	20	21.06
CHSHWCT	#14, #12, #10	BULK	0	500	1.19
<b>Clear Standard Wall Heat Shrink Kits</b>					
HSCL2	#14, #12, #10	2	2	50	3.35
HSCL3	#14, #12, #10	3	3	50	4.96
HSCL3-4	#14, #12, #10	3	4	50	5.33
HSCL4	#14, #12, #10	4	4	50	6.62
CHSCLT	#14, #12, #10	BULK	0	500	1.04
<b>Wire Connectors</b>					
EC1410	For #14-10 gauge wire			100	51.00/100
EC8	For #8 gauge wire			250	0.84 each
EC6	For #6 gauge wire			250	1.38 each
EC4	For #4 gauge wire			100	2.18 each
EC2	For #2 gauge wire			100	<b>2.92</b> each



SK Series

### Compression Splicing Kit Features:

- Molded from high impact resistant polycarbonate.
- No water absorption characteristics.
- Excellent dielectric properties.
- Available in two, three and four wire kits.
- Supplied with EC1410 wire connectors for #14-#10 gauge wire.
- **Third party certified to NSF/ANSI 372.**



LA302R

### LA300 Series Lightning Arrestor Features:

- LA302 Rated 125-250V, single phase, 3 wire Light Duty service.
- Maximum Current: 60,000 amps on LA302.
- Maximum Energy per pole: 2000 joules on LA302.
- Unlimited number of surges.
- N-4 Weatherproof enclosure.
- Use with 1/2" or 3/4" locknut for knock-out installation.
- ETL Listed



HPL

### Pump Light Features:

- Can be used with two or three wire motors in either 115 volt or 230 volt applications.
- It is easy to install at the pressure switch, where it is used to indicate that the pump is running or at the control box, where it is used to indicate that current is available to the submersible pump.

Part Number	Description	# Tubes	# Connectors	Ctn Qty	List Price
<b>Compression Splice Kits</b>					
SK2	#14, #12, #10	2	2	50	\$ 10.12
SK3	#14, #12, #10	3	3	50	13.67
SK4	#14, #12, #10	4	4	50	16.75
<b>Lightning Arrestors</b>					
LA302R	125/250 V, Single phase, 3 wire, 2 1/4" x 2 1/4"			18	115.19
<b>Pump Light</b>					
HPL75	Pump Light			12	<b>22.99</b>



PTC163-6ST

PTC163-6RA

### HARVARD CONTRACTOR'S Power Cord Features:



- Three prong straight (115V) or right angle (115V, 220V) molded plugs.
- 16 gauge, 3 conductor, 13 amp, 125 Volt rating.
- 14 gauge, 3 conductor, 15 amp, 250 Volt rating.
- Six foot cord length.
- Free end is split, stripped 3/8".
- UL and CSA listed in US and Canada.



PTC143-6RA220



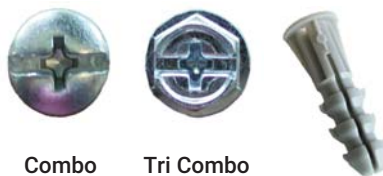
Part Number	Description	Wire Gauge	Volt Rating	Ctn Qty	List Price
PTC163-6ST	Straight plug cord	16	125 V	50	\$ <b>22.30</b>
PTC163-6RA	Right angle plug cord	16	125 V	50	<b>22.30</b>
PTC143-6RA220	Right angle plug cord	14	250 V	50	<b>36.30</b>



### HARVARD CONTRACTOR'S Anchor Kit Features:



- Anchor kits complete with 100 plastic anchors, 100 screws and 1/4" masonry drill bit in a plastic case.
- Plastic gray ribbed anchors with lip design for electronic timer, pump start relay installations. Use with concrete block, brick and wallboard.
- Anchors have internal ribs for better centering of screws, locking lugs against pull and twist. Exterior design prevents fall out in overhead holes.
- Kit available with combination slotted/phillips head or tri-combination, slotted/phillips/hex head #10 x 1" screws.
- Kits complete with 1/4" x 4" masonry drill bit.
- Clear, unbreakable plastic case with molded-in hanging tab.



Combo  
Head

Tri Combo  
Head

Part Number	Description	Ctn Qty	List Price
AK10CSPR	Ribbed Combo Head	36	\$ <b>23.61</b>
AK10TCR	Ribbed Tri Combo Head	36	<b>23.68</b>





WCS1022

## HARVARD CONTRACTOR'S Wire Cutter/Strippers

### Features:

- Combination wire cutter and stripper.
- Strips wire sizes 22-10 AWG.
- Heavy duty scissor opening spring.
- Cushioned plastic grips.
- Easy locking thumb lock.



Part Number	Description	Ctn Qty	List Price
WCS1022	Wire Cutter/Stripper	100	\$ <b>23.19</b>



**3 Year  
Warranty**



### Imported Pressure Switch Features:

- Designed for the control of electrically driven water pumps.
- Suitable for all types of pumps: jet, submersible, reciprocating, etc.
- Diaphragm actuated.
- 1/4" FPT connection.
- Standard, manual and low pressure cut-off available.
- Terminal and ground screws are combination slotted, phillips heads.
- Captive cover thumb screw.
- Black plastic NEMA 1 general purpose enclosure.
- UL, CSA listed US and Canada, CE certified.
- **Individually boxed.** Bulk packaging available on standard switch only.
- 3 year warranty.
- **Third party certified to NSF/ANSI 372.**



Part Number	Description	Cut-In/Cut-off	Package	Case Qty	List Price
PS2040	Standard Switch	20/40	Individual Ctn	50	\$ <b>24.86</b>
PS3050	Standard Switch	30/50	Individual Ctn	50	<b>24.86</b>
PS4060	Standard Switch	40/60	Individual Ctn	50	<b>24.86</b>
CPS2040	Standard Switch	20/40	Bulk Packed	50	<b>24.03</b>
CPS3050	Standard Switch	30/50	Bulk Packed	50	<b>24.03</b>
CPS4060	Standard Switch	40/60	Bulk Packed	50	<b>24.03</b>
PS3050M1	Manual Cut-off	30/50	Individual Ctn	50	<b>28.57</b>
PS4060M1	Manual Cut-off	40/60	Individual Ctn	50	<b>28.57</b>
PS2040M4	Low Pressure Cut-off	20/40	Individual Ctn	50	<b>26.50</b>
PS3050M4	Low Pressure Cut-off	30/50	Individual Ctn	50	<b>26.50</b>
PS4060M4	Low Pressure Cut-off	40/60	Individual Ctn	50	<b>26.50</b>





# Pressure Switches - PUMPTROL™



ISO 9001

## Pumptrol™ 9013 Series Pressure Switch Features:

- Designed for the control of electrically driven water pumps.
- Diaphragm actuated.
- Differential increases with range.
- Contacts open on increased pressure.
- General purpose enclosure NEMA Type 1
- **Individually boxed.** Bulk packaging upon request.
- Manufactured for AGI in an ISO 9001 facility.
- **Third party certified to NSF/ANSI 372.**

**PUMPTROL™** BY



Certified to NSF/ANSI 61



Drop Ship

Part Number	Description/Special Features	Ctn Qty	List Price	Price (200 pc)
9013FSG2 20/40	Standard Pump Switch	50	\$ <b>64.87</b>	
9013FSG2 30/50	Standard Pump Switch	50	<b>64.87</b>	
9013FSG2 40/60	Standard Pump Switch	50	<b>64.87</b>	
9013FSG2M4 20/40	Low Pressure Cutoff	40	<b>86.00</b>	
9013FSG2M4 30/50	Low Pressure Cutoff	40	<b>86.00</b>	
9013FSG2M4 40/60	Low Pressure Cutoff	40	<b>86.00</b>	
9013FSG2M1 20/40	Manual Cutoff Lever	1	<b>77.12</b>	
9013FSG2M1 30/50	Manual Cutoff Lever	1	<b>77.12</b>	
9013FSG2M1 40/60	Manual Cutoff Lever	1	<b>77.12</b>	
9013FSG2P 20/40	with Pulsation Plug	1	<b>66.86</b>	Contact
9013FSG2P 30/50	with Pulsation Plug	1	<b>66.86</b>	your
9013FSG2P 40/60	with Pulsation Plug	1	<b>66.86</b>	Salesperson
				or
9013FSG9 20/40	1/4 mpt Connection	1	<b>64.87</b>	Cust. Service
9013FSG9 30/50	1/4 mpt Connection	1	<b>64.87</b>	For
9013FSG9 40/60	1/4 mpt Connection	1	<b>64.87</b>	Pricing
9013FYG2 30/50	Medium Duty Pump Switch	1	<b>95.65</b>	
9013FYG2 40/60	Medium Duty Pump Switch	1	<b>95.65</b>	
9013FYG2 60/80	Medium Duty Pump Switch	1	<b>95.65</b>	
9013FYG2 50/70	Medium Duty Pump Switch	1	<b>95.65</b>	
9013GHG2 60/80	Heavy Duty Pump Switch	1	<b>227.31</b>	
9013GHG2 80/100	Heavy Duty Pump Switch	1	<b>227.31</b>	
9013GHG2 120/150	Heavy Duty Pump Switch	1	<b>227.31</b>	
9013GHG2 145/175	Heavy Duty Pump Switch	1	<b>227.31</b>	
9013GSG2 20/40	Heavy Duty Pump Switch	1	<b>227.31</b>	
9013GSG2 30/50	Heavy Duty Pump Switch	1	<b>227.31</b>	
9013GSG2 40/60	Heavy Duty Pump Switch	1	<b>227.31</b>	
9013GSG2 60/80	Heavy Duty Pump Switch	1	<b>227.31</b>	
Pulsation Plug	Pulsation Plug (Packaged in bags of 50)	1	<b>3.84</b> each	

### SEE CATALOG PAGE 5.8 for FLOAT SWITCHES.

- Other 9013 class Pumptrol switches available on a special order basis.
- Special order minimums and/or surcharges may apply. Allow 3 weeks for delivery.
- Drop ship pricing available, contact your salesperson or Customer Service.
- Net 30 day terms apply on all drop ship orders.



# Pressure Switches - PUMPTROL™



## SPECIFICATIONS

General Purpose Enclosure NEMA Type 1		Application		Pipe Connection
Product No.	Special Feature			
9013FSG9	1/4" MPT Conection	Domestic Water Pumps	Domestic Water Pumps	1/4"– 18 NPT
9013FYG2	High H.P. 80 PSI range			
9013FSG2	Standard Pump Switch			
9013FSG2P	Pulsation Plug			
9013FSG2M1	Manual Cutout Lever			
9013FSG2M4	Low Pressure Cutoff			
		Air Compressors Lg. Water Pumps	Water or Air	1/4"– 18 NPT Internal Thread
9013GSG2	Heavy Duty Pump Switch			
9013GHG2	Heavy Duty Pump Switch			

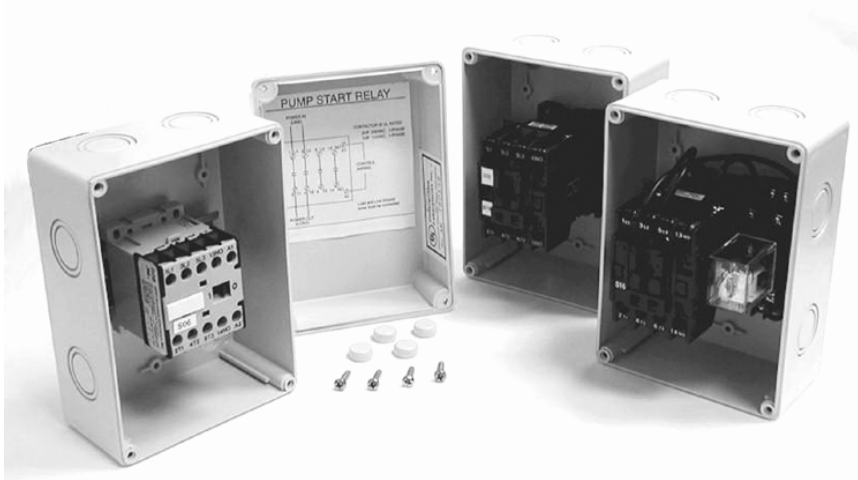
### Horsepower Chart General Purpose Enclosure

Product No.	Poles	Cut-out PSI	Diff PSIG	Single Phase		Polyphase AC			Direct Current		
				110V	220V	220V	440V	550V	32V	115V	230V
9013FSG9	2	20-65	15-30	1	1 1/2	2			1/4		
9013FYG2	2	25-80	20-30	1 1/2	2	3			1/4	1/2	1/2
9013FSG2	2	20-65	15-30	1 1/2	2	2			1/4		
9013FSG2P	2	20-65	15-30	1 1/2	2	2			1/4		
9013FSG2M1	2	20-65	15-30	1 1/2	2	2			1/4		
9013FSG2M4	2	20-65	15-30	1 1/2	2	2			1/4		
9013GSG2	2	20-80	12-36	2	3	5	5	5	1/2	1	1
9013GHG2	2	65-200	25-60	2	3	5	5	5	1/2	1	1

### Pressure Code Table

#### Code      Setting PSI (Close-Open)

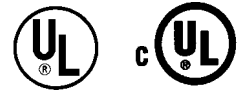
J15	5-21
J16	8-20
J18	20-50
J20	20-40
J21	30-50
J23	40-20
J24	40-60
J25	60-80
J26	70-90
J28	70-100
J29	75-100
J31	90-120
J33	50-70
J34	55-85
J51	100-80
J57	120-150
J63	145-175



## Pump Start Relay / Magnetic Contactor Features:

- Contactors are UL and UL Canada rated.
- Wide coil operating range, +10% to -30% of rated 60 hz coil voltage.  
 Contactors will start on low voltage as follows:
 

Single phase:	24 VAC coil will pull in at 17 volts.
	120 VAC coil will pull in at 84 volts.
	230 VAC coil will pull in at 161 volts.
- Finger safe design.
- One normally open auxilliary contact for powering a pilot light or alarm.
- Pressure screw terminals accept 18 through 10 AWG wire.
- Interposing relay units accept 24 through 10 AWG wire.
- Mechanical life up to 10 million operations.
- Long electrical life.
- PSR567 Series with interposing relay designed for low voltage and low controller output.

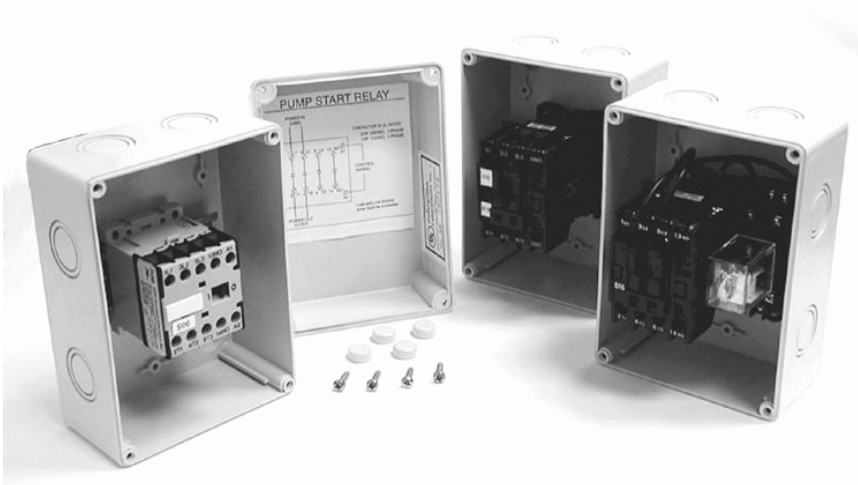


## Industrial Non-metallic Enclosure Features:

- Gray enclosures are UL, CSA listed.
- Rated NEMA 4X for indoor or outdoor use.
- To maintain 4X enclosure rating use required 4X connectors.
- Watertight, dust tight, oil tight and rain tight.
- High impact, durable insulated Noryl thermoplastic.
- Neoprene gasketed cover.
- Resistant to shock, corrosion, chemicals and atmospheric agents.
- 8 conduit knockouts (1/2", 3/4" NPT combination.)
- Service temperature -40° to 260°F.
- Stainless steel cover screws (max tightening torque: 7 in-lbs.)
- Sealing plugs provided to waterproof mounting screws.
- 5.9" H x 4.3" W x 3.9" D



# Pump Start Relays / Magnetic Contactors



Part Number	INPUT- PUMP START RELAY CONTACTOR			Coil Voltage	PUMP MOTOR HP (MAX)				LIST PRICE**
	Volts VAC	Req'd Coil Power Close	Hold		Single Phase* 120 v	230 v	Three Phase 200/230v	460 v	
<b>Direct Control Style Contactor</b>									
PSR123-230	230	26 VA	4.2 VA	230	1 HP	2 HP	3 HP	5 HP	<b>224.71</b>
<b>Direct Control Style Contactor</b>									
PSR575-24	24	70 VA	12 VA	24	2 HP	5 HP	7.5 HP	15 HP	<b>206.00</b>
PSR575-230	230	70 VA	12 VA	230	2 HP	5 HP	7.5 HP	15 HP	<b>228.43</b>

Notes:

1. Direct Control Style: The **input volts** must match the controller output voltage.  
The **contactor coil voltage** must match the controller voltage.
2. Interposing Relay Style: The **input volts** must match the controller output voltage.  
The **contactor coil voltage** must match the controller voltage.
3. VA=Volt Amps. To determine the operating amperage needed by the coil, divide the VA by the controller output voltage.

\* Single Phase systems require **motor overload protection** within the motor.

\*\* Three phase systems: May require **motor overload protection** within the motor. For proper **overload protection** consult the NEC (National Electrical Code) and local building codes before installation.




**Liquid Level Control**
**Liquid Level Control Features:**

- Provides automatic low level cutoff protection for submersible pumps & deep well turbines.
- Liquid level submersible pump control system consists of a standard enclosed type induction relay which operates from two insulated electrodes suspended at desired levels.
- Permits efficient operation at full capacity and eliminates danger of pumping air or sand.
- Wiring diagrams and complete installation instruction are included with each control.

**1500G SERIES INDUCTION RELAY:**

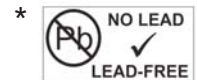
- Two way control system for pump up or pump down.
- Rated at 1 hp single phase, 115 or 230 volts A.C.
- For use in controlling hydropneumatic tanks and motorized valve installations.

**1500C and 1500D SERIES INDUCTIONRELAY:**

- Rated at 1 h.p. single phase, 110 or 220 volts and furnished in a NEMA 1 metal enclosure.
- For control of a larger motor, it can also be supplied in a common enclosure with an auxiliary relay without overload protection or with a magnetic starter that has overload protection.
- 1500C Series for sewage & sump pump, low level cutoff for submersible pump application.
- 1500D Series for supply pumps on elevated tanks & towers, high level cutoff for pumps & valves.


**Electrode**
**6013 SERIES ELECTRODES:**

- Made of brass or 303 stainless steel.
- 2" long.
- Assembled in molded plastic insulating shield 9/16" in diameter.
- Use in submersible pump installations by suspending to desired length w/ suspension wire.



NEW Part Number	OLD Part Number	Description	Volts	Ctn Qty	List Price
1500G-L1-S7-N1X	DH110-220	Pump-up/Pump-down	110/220 volts	1	<b>\$1197.04</b>
1500G-L1-S8-N1X	DH110-360	Pump-up/Pump-down	110/360 volts	1	<b>1197.04</b>
1500G-L2-S7-N1X	DH220-220	Pump-up/Pump-down	220/220 volts	1	<b>1197.04</b>
1500G-L2-S8-N1X	DH220-360	Pump-up/Pump-down	220/360 volts	1	<b>1197.04</b>
1500G-L3-S8-N1X	DH440-360	Pump-up/Pump-down	440/360 volts	1	<b>1197.04</b>
1500C-L1-S4-N1X	LH110-110	Pump-down	110/120 volts	1	<b>1084.50</b>
1500C-L1-S7-N1X	LH110-220	Pump-down	110/220 volts	1	<b>1084.50</b>
1500C-L1-S8-N1X	LH110-360	Pump-down	110/360 volts	1	<b>1084.50</b>
1500C-L2-S7-N1X	LH220-220	Pump-down	220/220 volts	1	<b>1084.50</b>
1500C-L2-S8-N1X	LH230-360	Pump-down	230/360 volts	1	<b>1084.50</b>
1500D-L1-S7-N1X	RH110-220	Pump-up	110/220 volts	1	<b>1084.50</b>
1500D-L1-S8-N1X	RH110-360	Pump-up	110/360 volts	1	<b>1084.50</b>
1500D-L2-S7-N1X	RH220-220	Pump-up	220/220 volts	1	<b>1084.50</b>

**Electrodes**

6013-W6	E1S	Stainless Steel *	1	<b>152.91</b>
6013-W5	E1SB	Brass	1	<b>129.05</b>

## Induction Relay Coil Selection Data

### Primary Coil:

The primary coil voltage should be chosen to match the line voltage of the control system. The 1500 Series Induction Relay can be supplied with any of the following line voltages.

Line Voltage	Frequency (Hertz)	Max Amps (Secondary Shorted)
110-120	50-60	.075
208-240	50-60	.038
440-480	50-60	.019

### Secondary Coil:

Since B/W level control systems use liquid as an electrical conductor to complete the relay's secondary circuit - and since the resistance of liquid varies, it is necessary that each induction relay be equipped with a secondary coil that will operate over the resistance of the liquid it controls. The table below lists the operating characteristics of various coils available. All values are based on line voltage of 115, 230, 460 volts at 60 hertz.

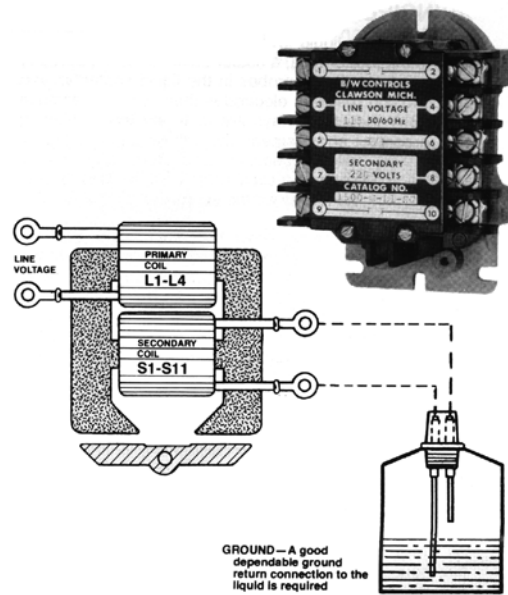
### Typical Liquids:

The following recommendations are satisfactory for general use, but because the conductivity of liquids varies greatly with concentration, purity, temperature and other factors, some applications may require a different selection. A number of the products listed are produced as solids such as crystals or powders, and the relay selection is based on the normally used commercial solutions of these materials.

Liquid Description	Secondary Coil	Liquid Description	Secondary Coil	Liquid Description	Secondary Coil
Acetic Acid - up to 75%	90 volt	Carbolic Acid - up to 90%	220 volt	Nitric acid	40 or 90 volt
- 75 - 90%	220 volt	Catsup	90 volt	Orange juice	90 volt
Acids - General	40 or 90 volt	Caustic Soda (Sodium Hydroxide)	40 volt	Paper stock	220 volt
Alkalies - General	40 or 90 volt	Cement slurry	220 volt	Penicillin	220 volt
Alum Solutions	220 volt	Chromic acid	40 volt	Phosphoric acid	40 volt
Aluminum Sulphate	90 volt	Citric acid	40 or 90 volt	Plating solutions	40 or 90 volt
Aluminum Hydroxide	90 volt	Coffee	90 volt	Salts - chemical	40 or 90 volt
Amino Acids	90 volt	Condensate - ordinary water	480 volt	Sodium Carbonate (soda ash)	90 volt
Ammonium Chloride	40 volt	Corn syrup	480 volt	Sodium Chloride (table salt)	40 volt
Ammonium Hydroxide (Ammonia)	220 volt	Corn - cream style	90 volt	Sodium Hydroxide (caustic soda)	40 volt
Ammonium Sulphate	220 volt	Ferrous Sulphate	220 volt	Sodium Hypochlorate	40 volt
Baby foods	90 volt	Formic acid - up to 75%	90 volt	Sodium Silicate (water glass)	90 volt
Barium Chloride	40 volt	- 75 to 90%	220 volt	Soups	40 volt
Barium Nitrate	40 volt	Hydrofluoric acid - up to 20%	220 volt	Starch solutions	220 volt
Beer	90 volt	- above 20%	40 volt	Sugar - low concentrations	220 volt
Black liquor	40 volt	Hydrofluorsilicic acid	90 volt	- high concentrations	360 volt
Blood	220 volt	Jams & jellies	360 volt	Vinegar	90 volt
Borax - up to 10%	220 volt	Juices - fruit & vegetable	40 or 90 volt	Water - Sea	40 volt
- Greater than 10%	90 volt	Lithium Chloride	40 volt	- Ordinary potable	220 volt
Bread dough	90 volt	Magnesium Hydroxide	90 volt	- ordinary soft	360 volt
Buttermilk	24 or 40 volt	Mayonnaise	220 volt	- Ordinary condensate	480 volt
Cadmium Chloride	40 volt	Milk	40 volt	Zinc Chloride	40 volt
Cake batter	220 volt	Molasses	220 volt		
Calcium Chloride	40 volt	Muriatic acid	40 volt		
Calcium Hydroxide	220 volt	Mustard	40 volt		

NOTE: Maximum distance limitations for typical induction relay secondary circuits are: 220 secondary - 900 feet, 360 secondary - 350 ft, 480 secondary - 250 ft.

## B/W Controls





Pressure Gauge

ISO 9001

### Pressure Gauge Features:

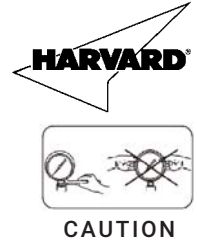
- Rugged precision made phosphor-bronze Bourdon tube movements assuring maximum accuracy (+/- 3-2-3%) under adverse field conditions.
- **TO BE USED WITH AIR OR WATER ONLY.**
- Manufactured for AGI in an ISO 9001 facility.

### POLYPROPYLENE CASE:

- Bourdon tube movement is totally enclosed in corrosion resistant polypropylene housing, acrylic lens.
- Resists rust, electrolytic action and chemical solvents.
- Brass sockets standard.

### STEEL CASE:

- Deep drawn one piece steel housing encases a quality movement.
- Genuine mar-resistant glass lens and brass socket connections are standard.



## WARNING

This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



This product is designed and intended for use in NON-POTABLE water applications only.

**AMERICAN GRANBY INC.**

Part Number	Case	Range	Type	Dial Size	MIP Conn.	Ctn Qty	List Price
<b>2" DIAL SIZE, PLASTIC CASE, DRY</b>							
IPPG302-4L	Plastic	0-30#	Pressure	2"	1/4 Lower	100	\$ <b>8.69</b>
IPPG302-4B	Plastic	0-30#	Pressure	2"	1/4 Back	100	<b>8.69</b>
IPPG602-4L	Plastic	0-60#	Pressure	2"	1/4 Lower	100	<b>8.69</b>
IPPG602-4B	Plastic	0-60#	Pressure	2"	1/4 Back	100	<b>8.69</b>
IPPG1002-4L	Plastic	0-100#	Pressure	2"	1/4 Lower	100	<b>8.69</b>
IPVG302-4L	Plastic	0-30 Hg"	Vacuum	2"	1/4 Lower	100	<b>9.67</b>
<b>2" DIAL SIZE, STEEL CASE, DRY</b>							
IPG302-4L	Steel	0-30#	Pressure	2"	1/4 Lower	100	<b>8.95</b>
IPG302-4B	Steel	0-30#	Pressure	2"	1/4 Back	100	<b>8.95</b>
IPG302-8L	Steel	0-30#	Pressure	2"	1/8 Lower	100	<b>8.95</b>
IPG302-8B	Steel	0-30#	Pressure	2"	1/8 Back	100	<b>8.95</b>
IPG602-4L	Steel	0-60#	Pressure	2"	1/4 Lower	100	<b>8.95</b>
IPG602-4B	Steel	0-60#	Pressure	2"	1/4 Back	100	<b>8.95</b>
IPG602-8L	Steel	0-60#	Pressure	2"	1/8 Lower	100	<b>8.95</b>
IPG1002-4L	Steel	0-100#	Pressure	2"	1/4 Lower	100	<b>8.95</b>
IPG1002-8B	Steel	0-100#	Pressure	2"	1/8 Back	100	<b>8.95</b>



## WARNING

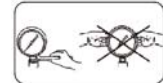
This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.  
For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**CAUTION**  
DO NOT USE WITH  
POTABLE WATER

This product is designed and intended for use in NON-POTABLE water applications only.

**AMERICAN GRANBY INC.**



**CAUTION**

↓ Reduced price - Limited quantities available.

Part Number	Case	Range	Type	Dial Size	MIP Conn.	Ctn Qty	List Price
<b>2" DIAL SIZE, STEEL CASE, DRY</b>							
IPVG302-4B	Steel	0-30 Hg"	Vacuum	2"	1/4 Back	100	<b>9.67</b>
IPVG302-8L	Steel	0-30 Hg"	Vacuum	2"	1/8 Lower	100	<b>9.67</b>
IPCG3602-4L	Steel	30Hg"/60#	Vacuum/PPressure	2"	1/4 Lower	200	<b>9.67</b>
<b>2 1/2" DIAL SIZE, DRY</b>							
IPG3025-4L	Steel	0-30#	Pressure	2 1/2"	1/4 Lower	100	<b>11.40</b>
IPG6025-4L	Steel	0-60#	Pressure	2 1/2"	1/4 Lower	100	<b>11.40</b>
IPG10025-4L	Steel	0-100#	Pressure	2 1/2"	1/4 Lower	50	<b>11.40</b>
IPG16025-4L	Steel	0-160#	Pressure	2 1/2"	1/4 Lower	100	<b>11.40</b>
IPVG3025-4L	Plastic	0-30 Hg"	Vacuum	2 1/2"	1/4 Lower	50	<b>11.40</b>
<b>4 1/2" DIAL SIZE, STEEL CASE, DRY</b>							
IPG3045-4L	Steel	0-30#	Pressure	4 1/2"	1/4 Lower	50	<b>24.11</b>
IPG6045-4L	Steel	0-60#	Pressure	4 1/2"	1/4 Lower	50	<b>24.11</b>
IPG10045-4L	Steel	0-100#	Pressure	4 1/2"	1/4 Lower	50	<b>24.11</b>
IPVG3045-4L	Steel	30 Hg"	Vacuum	4 1/2"	1/4 Lower	50	<b>24.11</b>
IPCG36045-4L	Steel	30 Hg"/60#	Vacuum/Pressure	4 1/2"	1/4 Lower	50	<b>24.11</b>
IPCG31045-4L	Steel	30 Hg"/160#	Vacuum/Pressure	4 1/2"	1/4 Lower	50	<b>24.11</b>

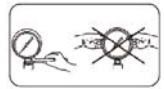


IPPG or IPG Series

ISO 9001

**Pressure Gauge Features:**

- Rugged precision made phosphor-bronze Bourdon tube movements assuring maximum accuracy (+/- 3-2-3%) under adverse field conditions.
- **TO BE USED WITH AIR OR WATER ONLY.**
- Manufactured for AGI in an ISO 9001 facility.
- Bourdon tube movement is totally enclosed in corrosion resistant housing.
- Resists rust, electrolytic action and chemical solvents.
- **Third party certified to NSF/ANSI 61&372.** No Lead brass sockets.
- Deep drawn one piece steel or molded plastic housings encase a quality movement.
- Genuine mar-resistant glass or acrylic lens.

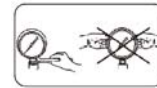


CAUTION

Part Number	Case	Range	Type	Dial Size	MIP Conn.	Ctn Qty	List Price
<b>2" DIAL SIZE, PLASTIC CASE, DRY</b>							
IPPG302-4LNL	Plastic	0-30#	Pressure	2"	1/4 Lower	100	\$ <b>10.54</b>
IPPG302-4BNL	Plastic	0-30#	Pressure	2"	1/4 Back	100	<b>10.54</b>
IPPG602-4LNL	Plastic	0-60#	Pressure	2"	1/4 Lower	100	<b>10.54</b>
IPPG602-4BNL	Plastic	0-60#	Pressure	2"	1/4 Back	100	<b>10.54</b>
IPPG1002-4LNL	Plastic	0-100#	Pressure	2"	1/4 Lower	100	<b>10.54</b>
EIPPG1002-4LPNL	Plastic	0-100#	Pressure	2" No dial logo	1/4 Lower	100	<b>9.96</b>
IPPG1002-4BNL	Plastic	0-100#	Pressure	2"	1/4 Back	100	<b>10.54</b>
IPVG302-4LNL	Plastic	0-30 Hg"	Vacuum	2"	1/4 Lower	100	<b>11.29</b>
<b>2" DIAL SIZE, STEEL CASE, DRY</b>							
IPG152-4LNL	Steel	0-15#	Pressure	2"	1/4 Lower	100	<b>9.89</b>
IPG302-4LNL	Steel	0-30#	Pressure	2"	1/4 Lower	100	<b>10.76</b>
IPG302-4BNL	Steel	0-30#	Pressure	2"	1/4 Back	100	<b>10.76</b>
IPG302-8LNL	Steel	0-30#	Pressure	2"	1/8 Lower	100	<b>10.76</b>
IPG302-8BNL	Steel	0-30#	Pressure	2"	1/8 Back	100	<b>10.76</b>
IPG602-4LNL	Steel	0-60#	Pressure	2"	1/4 Lower	100	<b>10.76</b>
IPG602-4BNL	Steel	0-60#	Pressure	2"	1/4 Back	100	<b>10.76</b>
IPG602-8LNL	Steel	0-60#	Pressure	2"	1/8 Lower	100	<b>10.76</b>
IPG1002-4LNL	Steel	0-100#	Pressure	2"	1/4 Lower	100	<b>9.82</b>
EIPG1002-4LPNL	Steel	0-100#	Pressure	2" No dial logo	1/4 Lower	100	<b>9.85</b>
IPG1002-4BNL	Steel	0-100#	Pressure	2"	1/4 Back	100	<b>10.76</b>
IPG1002-8LNL	Steel	0-100#	Pressure	2"	1/8 Lower	100	<b>10.76</b>
IPG1002-8BNL	Steel	0-100#	Pressure	2"	1/8 Back	100	<b>10.76</b>
IPG1602-4LNL	Steel	0-160#	Pressure	2"	1/4 Lower	100	<b>10.76</b>



# Pressure Gauges - NO LEAD Dry



**CAUTION**

Part Number	Case	Range	Type	Dial Size	MIP Conn.	Ctn Qty	List Price
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**2" DIAL SIZE, STEEL CASE, DRY**

IPG2002-4LNL	Steel	0-200#	Pressure	2"	1/4 Lower	100	\$ <b>9.82</b>
IPG2002-4BNL	Steel	0-200#	Pressure	2"	1/4 Back	100	<b>10.76</b>
IPG2002-8LNL	Steel	0-200#	Pressure	2"	1/8 Lower	100	<b>10.76</b>
IPG3002-4LNL	Steel	0-300#	Pressure	2"	1/4 Lower	100	<b>10.76</b>
IPVG302-4BNL	Steel	0-30 Hg"	Vacuum	2"	1/4 Back	100	<b>11.29</b>
IPVG302-8LNL	Steel	0-30 Hg"	Vacuum	2"	1/8 Lower	100	<b>11.29</b>
IPCG3102-4LNL	Steel	30 Hg"/160#	Vacuum/Pressure	2"	1/4 Lower	100	<b>11.29</b>
IPCG3602-4LNL	Steel	30Hg"/60#	Vacuum/PPressure	2"	1/4 Lower	200	<b>11.29</b>

**2" DIAL SIZE, STAINLESS STEEL CASE, 316SS INTERNALS and MOUNT, DRY**

EIPG1002-4LSS316	Stainless Steel	0-100#	Pressure	2"	1/4 Lower	100	<b>24.48</b>
EIPG1002-4BSS316	Stainless Steel	0-100#	Pressure	2"	1/4 Back	100	<b>29.26</b>
EIPG2002-4LSS316	Stainless Steel	0-200#	Pressure	2"	1/4 Lower	100	<b>24.48</b>
EIPG2002-4BSS316	Stainless Steel	0-200#	Pressure	2"	1/4 Back	100	<b>29.26</b>

**2 1/2" DIAL SIZE, DRY**

IPG1525-4LNL	Plastic	0-15#	Pressure	2 1/2"	1/4 Lower	100	<b>13.79</b>
IPG3025-4LNL	Steel	0-30#	Pressure	2 1/2"	1/4 Lower	100	<b>13.79</b>
IPG6025-4LNL	Steel	0-60#	Pressure	2 1/2"	1/4 Lower	100	<b>13.79</b>
IPG10025-4LNL	Steel	0-100#	Pressure	2 1/2"	1/4 Lower	50	<b>13.79</b>
IPG16025-4LNL	Steel	0-160#	Pressure	2 1/2"	1/4 Lower	100	<b>13.79</b>
IPG20025-4LNL	Steel	0-200#	Pressure	2 1/2"	1/4 Lower	100	<b>13.79</b>
IPG30025-4LNL	Steel	0-300#	Pressure	2 1/2"	1/4 Lower	50	<b>13.79</b>
IPG40025-4LNL	Steel	0-400#	Pressure	2 1/2"	1/4 Lower	50	<b>13.79</b>
IPVG3025-4LNL	Plastic	0-30 Hg"	Vacuum	2 1/2"	1/4 Lower	50	<b>13.79</b>
IPCG31025-4LNL	Steel	30 Hg"/160#	Vacuum/Pressure	2 1/2"	1/4 Lower	50	<b>13.79</b>

**3 1/2" DIAL SIZE, STEEL CASE, DRY**

IPG3035-4LNL	Steel	0-30#	Pressure	3 1/2"	1/4 Lower	50	<b>20.13</b>
IPG10035-4LNL	Steel	0-100#	Pressure	3 1/2"	1/4 Lower	50	<b>20.13</b>
IPG20035-4LNL	Steel	0-200#	Pressure	3 1/2"	1/4 Lower	50	<b>20.13</b>
IPG30035-4LNL	Steel	0-300#	Pressure	3 1/2"	1/4 Lower	50	<b>20.16</b>

**4 1/2" DIAL SIZE, STEEL CASE, DRY**

IPG3045-4LNL	Steel	0-30#	Pressure	4 1/2"	1/4 Lower	50	<b>26.16</b>
IPG6045-4LNL	Steel	0-60#	Pressure	4 1/2"	1/4 Lower	50	<b>26.16</b>
IPG10045-4LNL	Steel	0-100#	Pressure	4 1/2"	1/4 Lower	50	<b>26.16</b>
IPG20045-4LNL	Steel	0-200#	Pressure	4 1/2"	1/4 Lower	50	<b>26.16</b>
IPG30045-4LNL	Steel	0-300#	Pressure	4 1/2"	1/4 Lower	50	<b>26.16</b>
IPVG3045-4LNL	Steel	30 Hg"	Vacuum	4 1/2"	1/4 Lower	50	<b>26.16</b>
IPCG36045-4LNL	Steel	30 Hg"/60#	Vacuum/Pressure	4 1/2"	1/4 Lower	50	<b>26.16</b>
IPCG31045-4LNL	Steel	30 Hg"/160#	Vacuum/Pressure	4 1/2"	1/4 Lower	50	<b>26.16</b>



# Pressure Gauges - Liquid Filled



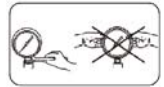
EILPG Series



ILPG Series

## Liquid Filled Pressure Gauge Features:

- Stainless steel or black steel case
- Glycerine Filled, Phosphor bronze bourdon tube
- Accuracy +/- 3-2-3%
- 2" or 2 1/2" Dial face with clear acrylic lens
- Crimped stainless steel ring
- For use in high vibration, corrosion situations
- **TO BE USED WITH AIR OR WATER ONLY.**



**CAUTION**



## WARNING

This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**CAUTION**  
DO NOT USE WITH  
POTABLE WATER

This product is designed and intended for use in NON-POTABLE water applications only.

**AMERICAN GRANBY INC.**

Part Number	Case	Range	Type	Dial Size	MIP Conn.	Ctn Qty	List Price
<b>2" DIAL SIZE, LIQUID FILLED</b>							
EILPG302-4L	Steel	0-30#	Pressure	2"	1/4" Lower	100	\$ <b>11.28</b>
EILPG602-4L	Steel	0-60#	Pressure	2"	1/4" Lower	100	<b>11.28</b>
EILPG602-4B	Steel	0-60#	Pressure	2"	1/4" Back	100	<b>12.38</b>
EILPG1002-4L	Steel	0-100#	Pressure	2"	1/4" Lower	100	<b>11.28</b>
EILPG1002-4B	Steel	0-100#	Pressure	2"	1/4" Back	100	<b>12.38</b>
EILPG1602-4L	Steel	0-160#	Pressure	2"	1/4" Lower	100	<b>11.28</b>
EILVG302-4L	Steel	0-30 Hg"	Vacuum	2"	1/4" Lower	100	<b>13.57</b>
EILPG302-4LSS	Stainless Steel	0-30#	Pressure	2"	1/4" Lower	100	<b>17.92</b>
EILPG602-4LSS	Stainless Steel	0-60#	Pressure	2"	1/4" Lower	100	<b>17.92</b>
EILPG602-4BSS	Stainless Steel	0-60#	Pressure	2"	1/4" Back	100	<b>18.66</b>
EILPG1002-4LSS	Stainless Steel	0-100#	Pressure	2"	1/4" Lower	100	<b>17.92</b>
EILVG302-4LSS	Stainless Steel	0-30 Hg"	Vacuum	2"	1/4" Lower	100	<b>19.40</b>
<b>2 1/2" DIAL SIZE, LIQUID FILLED</b>							
ILPG3025-4L	Stainless Steel	0-30#	Pressure	2 1/2"	1/4 Lower	50	<b>19.15</b>
ILPG6025-4L	Stainless Steel	0-60#	Pressure	2 1/2"	1/4 Lower	50	<b>19.15</b>
ILPG10025-4L	Stainless Steel	0-100#	Pressure	2 1/2"	1/4 Lower	50	<b>19.15</b>
ILPG16025-4L	Stainless Steel	0-160#	Pressure	2 1/2"	1/4 Lower	50	<b>19.15</b>
ILPG20025-4L	Stainless Steel	0-200#	Pressure	2 1/2"	1/4 Lower	50	<b>19.15</b>
ILVG3025-4L	Stainless Steel	0-30 Hg"	Vacuum	2 1/2"	1/4 Lower	50	<b>21.84</b>
ILCG36025-4L	Stainless Steel	30 Hg"/60#	Vacuum/Press	2 1/2"	1/4 Lower	50	<b>22.63</b>

# Pressure Gauges - NO LEAD Liquid Filled



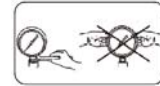
EILPG Series



ILPG Series

## Liquid Filled Pressure Gauge Features:

- Stainless steel or black steel case.
- Glycerine filled, phosphor bronze bourdon tube.
- Accuracy +/- 3-2-3%.
- 2" or 2 1/2" Dial face with clear acrylic lens.
- Crimped stainless steel ring.
- For use in high vibration, corrosion situations.
- **Third party certified to NSF/ANSI 61&372.**
- No lead brass or stainless steel sockets.
- **TO BE USED WITH AIR OR WATER ONLY.**



**CAUTION**

Part Number	Case	Range	Type	Dial Size	MIP Conn.	Ctn Qty	List Price
<b>2" DIAL SIZE, LIQUID FILLED</b>							
EILPG302-4LNL	Steel	0-30#	Pressure	2"	1/4" Lower	100	\$ <b>13.51</b>
EILPG602-4LNL	Steel	0-60#	Pressure	2"	1/4" Lower	100	<b>13.51</b>
EILPG602-4BNL	Steel	0-60#	Pressure	2"	1/4" Back	100	<b>15.03</b>
EILPG1002-4LNL	Steel	0-100#	Pressure	2"	1/4" Lower	100	<b>13.79</b>
EILPG1002-4BNL	Steel	0-100#	Pressure	2"	1/4" Back	100	<b>14.26</b>
EILPG1002-8BNL	Steel	0-100#	Pressure	2"	1/8" Back	100	<b>14.61</b>
EILPG1602-4LNL	Steel	0-160#	Pressure	2"	1/4" Lower	100	<b>13.51</b>
EILPG2002-4LNL	Steel	0-200#	Pressure	2"	1/4" Lower	100	<b>14.18</b>
EILVG302-4LNL	Steel	0-30 Hg"	Vacuum	2"	1/4" Lower	100	<b>16.04</b>
EILVG302-4BNL	Steel	0-30 Hg"	Vacuum	2"	1/4" Back	100	<b>17.26</b>
EILPG302-4LSSNL	Stainless Steel	0-30#	Pressure	2"	1/4" Lower	100	<b>20.37</b>
EILPG602-4LSSNL	Stainless Steel	0-60#	Pressure	2"	1/4" Lower	100	<b>20.37</b>
EILPG602-4BSSNL	Stainless Steel	0-60#	Pressure	2"	1/4" Back	100	<b>21.59</b>
EILPG1002-4LSSNL	Stainless Steel	0-100#	Pressure	2"	1/4" Lower	100	<b>20.37</b>
EILPG1002-4LSS316*	Stainless Steel 316	0-100#	Pressure	2"	1/4" Lower	100	<b>41.01</b>
EILPG1002-4BSSNL	Stainless Steel	0-100#	Pressure	2"	1/4" Back	100	<b>21.59</b>
EILPG1002-4BSS316*	Stainless Steel 316	0-100#	Pressure	2"	1/4" Back	100	<b>46.05</b>
EILPG1602-4LSSNL	Stainless Steel	0-160#	Pressure	2"	1/4" Lower	100	<b>20.37</b>
EILPG2002-4LSSNL	Stainless Steel	0-200#	Pressure	2"	1/4" Lower	100	<b>20.37</b>
EILVG302-4LSSNL	Stainless Steel	0-30 Hg"	Vacuum	2"	1/4" Lower	100	<b>22.43</b>
EILVG302-4BSSNL	Stainless Steel	0-30 Hg"	Vacuum	2"	1/4" Back	100	<b>23.66</b>

\* 316 Stainless steel internals and mount.

## 2 1/2" DIAL SIZE, LIQUID FILLED

ILPG3025-4LNL	Stainless Steel	0-30#	Pressure	2 1/2"	1/4 Lower	50	<b>16.84</b>
ILPG6025-4LNL	Stainless Steel	0-60#	Pressure	2 1/2"	1/4 Lower	50	<b>16.84</b>
ILPG10025-4LNL	Stainless Steel	0-100#	Pressure	2 1/2"	1/4 Lower	50	<b>16.84</b>
ILPG16025-4LNL	Stainless Steel	0-160#	Pressure	2 1/2"	1/4 Lower	50	<b>16.84</b>
ILPG20025-4LNL	Stainless Steel	0-200#	Pressure	2 1/2"	1/4 Lower	50	<b>16.84</b>
ILPG30025-4LNL	Stainless Steel	0-300#	Pressure	2 1/2"	1/4 Lower	50	<b>16.84</b>
ILPG40025-4LNL	Stainless Steel	0-400#	Pressure	2 1/2"	1/4 Lower	50	<b>16.84</b>
ILVG3025-4LNL	Stainless Steel	0-30 Hg"	Vacuum	2 1/2"	1/4 Lower	50	<b>24.35</b>
ILVG3025-4BNL	Stainless Steel	0-30 Hg"	Vacuum	2 1/2"	1/4 Back	50	<b>25.56</b>
ILCG36025-4LNL	Stainless Steel	30 Hg"/60#	Vacuum/Press	2 1/2"	1/4 Lower	50	<b>25.24</b>



IPG45-WLSS



### IPG45-WL Water Level Gauge Features:

- 4 1/2" face #304 stainless steel case and clear acrylic lens.
- #304 stainless steel bezel with side screws.
- Brass pointer with black finish.
- NL brass movement.
- Range 0-390' H2O. Accuracy: +/- 3-2-3%
- Bourdon tube-phosphor bronze, soft soldered.
- Connection: 1/4" NPT, lower mount, NL brass.
- **Third party certified to NSF/ANSI 61&372.**

Part Number	Size	Description	MIP Conn.	Ctn Qty	List Price
<b>NO LEAD BRASS</b>					
IPG45-WLSSNL	4 1/2"	0 - 390' Water Level	1/4" lower	20	\$ <b>46.24</b>



PTG1002

### Pressure Test Gauge Features:

- 0-100 psi, 2" plastic lens.
- Brass test fitting with pressure release button.
- Heavy rubber boot to protect gauge from damage.

Part Number	Size	Pressure Setting/Description	Ctn Qty	List Price
PTG1002	2" case	0-100# Pressure test gauge	50	\$ <b>19.50</b>



PGBS



### Pressure Gauge Brass Snubber Features:

- Use with any pressure gauge subjected to rapidly fluctuating pressures or sudden shock pressure.
- Brass housing with high strength sintered, porous type snubbing element.

Part Number	Size/Description	Ctn Qty	List Price
PGBS1/4	1/4" mpt x 1/4" fpt Brass Snubber	50/500	\$ 10.21



WTG

### Water Test Gauge Features:

- Quick, easy method to test a wide range of pressure systems for leakage.
- 2 1/2" dial face, steel case pressure gauge w/ plastic lens.
- With standard 3/4" FGHT swivel garden hose connection with rubber washer.
- Attach to hose bibbs, boiler drains and lawn faucets for pressure testing.
- "MP" series MAX pointer arm measures maximum water surge or pressure drop.
- Individually cartoned.



WTG MP



Part Number	Size	Pressure Setting/Description	PSI dial increments	Ctn Qty	List Price
WTG100	2 1/2"	0-100# water test gauge, fght	1	50	\$ <b>13.64</b>
WTG200	2 1/2"	0-200# water test gauge, fght	2	50	<b>13.64</b>
WTG300	2 1/2"	0-300# water test gauge, fght	3	100	<b>13.64</b>
WTG100MP	2 1/2"	0-100# gauge with MAX pointer	1	50	<b>14.58</b>
WTG200MP	2 1/2"	0-200# gauge with MAX pointer	2	50	<b>14.58</b>
WTG300MP	2 1/2"	0-300# gauge with MAX pointer	3	50	<b>14.58</b>



## WARNING

This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



This product is designed and intended for use in NON-POTABLE water applications only.

**AMERICAN GRANBY INC.**

# Air/Gas Test Gauges


**GTG**

**GTM3/4**

## Gas Test Gauge Features:

- Quick, easy means of pressurizing & monitoring gas systems for leakage.
- Completely assembled - brass hex manifold, air valve with plastic cap and 2" dial face, steel case pressure gauge with plastic lens.
- Manifold also available separately: 3/4" fpt connection with 1/4" fpt gauge tap and 1/8" fpt air valve tap.
- Individually cartoned and available in 15, 30, 60 and 100 psi.



## WARNING

This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.  
For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Part Number	Description	Gauge Increments	Ctn Qty	List Price
GTG15	Gas test gauge, 3/4" fpt, 0-15#	1/10 lb.	50	\$ <b>24.11</b>
GTG30	Gas test gauge, 3/4" fpt, 0-30#	1/2 lb.	50	<b>24.11</b>
GTG60	Gas test gauge, 3/4" fpt, 0-60#	1/10 lb.	50	<b>24.11</b>
GTG100	Gas test gauge, 3/4" fpt, 0-100#	1 lb.	50	<b>24.11</b>
GTM3/4	Brass Gas test manifold only		100	<b>12.57</b>

## Pressure Air Test Gauge Features:

- Quick, easy means of pressurizing and monitoring plumbing systems for leakage
- Attach to hose bibb.
- Includes brass hex manifold, air valve, 2" 200# gauge, garden hose thread fitting.


**PATG200**

Part Number	Description	Ctn Qty	List Price
PATG200	Pressure Air Test Gauge	30	\$ <b>34.26</b>

# Pitless Adapters - NO LEAD Bronze



PT300NL



PT800NL



PT800TNL



PT825NL



PT100NL



PT125NL



PT3000NL



PT900NL



PT700NL & PT725NL

## Pitless Adapter Features:

- Cast from **81% COPPER** content alloy **NO LEAD** bronze to insure long life and durability in the most aggressive well conditions.
- **Extended casing nipple** makes installation easy.
- Rubber inner and outer casing gaskets for certified & approved water tight seal from ground water contamination.
- Built-in lowering eyelet for easier installation.
- All PT Series pitless adapters are individually boxed.
- All PT Series pitless adapters are 100% pressure tested.
- **All PT Series pitless adapters are certified and approved watertight to ASSE Standard #1093-2019 and WSC PAS-97 (2019) standards.**
- **NO LEAD** cast bronze pitless adapters are **third party certified to NSF/ANSI 372.**



ASSE Standard #1093-2019 (R2023)  
WSC Standard PAS-97 (2019) (R2023)



Part Number	Slide Stop Style	Drop Pipe Size	Nominal Well Casing	Casing Hole Opening	Max Load Capacity (lbs.)	Ctn Qty	List Price
<b>NO LEAD Cast Bronze</b>							
PT300NL	Top Bar	1"	5" through 12"	1 3/4"	800	10	\$ 144.46
PT800NL	Top Bar	1"	5" through 12"	1 3/4"	900	10	137.97
PT100NL	U cup	1"	5" through 12"	1 3/4"	5,000	10	146.57
PT700NL	U cup	1"	5" through 12"	1 3/4"	5,000	10	<b>270.16</b>
PT825NL	Top Bar	1-1/4"	5" through 12"	2 1/4"	2,000	10	240.25
PT125NL	U cup	1 1/4"	5" through 12"	2 1/4"	5,000	10	262.77
PT725NL	U cup	1-1/4"	5" through 12"	2 1/8"	5,000	10	482.14
PT3000NL	U cup	2"	5 5/8" through 12"	3 1/8"	5,000	4	816.72
PT900NL	U cup	1" & 1 1/4" (2 Hole)	4" through 12"	1 3/4" & 2 1/4"	2,000	6	725.21

## TAPPED NO LEAD Cast Bronze for Underground tanks

PT800TNL	Top Bar	1"	5" through 12"	1 3/4"	900	10	153.05
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# Pitless Adapters - Stainless Steel



PT300SS



PT800SS



PT825SS

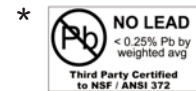


PT3000SS

### HARVARD Pitless Adapter Features:



- Cast from 304 cast stainless steel to insure long life and durability in the most aggressive well conditions.
- **Extended casing nipple** makes installation easy.
- Rubber inner and outer casing gaskets for certified & approved water tight seal from ground water contamination.
- Built-in lowering eyelet for easier installation.
- All PT Series pitless adapters are individually boxed.
- All PT Series pitless adapters are 100% pressure tested.
- **All PT Series pitless adapters are certified and approved watertight to ASSE Standard #1093-2019 and WSC PAS-97 (2019) standards.**
- 304 Stainless Steel pitless adapters are Lead Free.
- **Third party certified to NSF/ANSI 61&372 or \*NSF/ANSI 372**



Part Number	Slide Stop Style	Drop Pipe Size	Nominal Well Casing	Casing Hole Opening	Max Load Capacity (lbs.)	Ctn Qty	List Price
<b>Cast 304 STAINLESS STEEL</b>							
PT300SS	Top Bar	1"	5" through 12"	1 3/4"	6,000	10	\$ 125.35
PT800SS	Top Bar	1"	5" through 12"	1 3/4"	6,000	10	149.86
PT825SS	U cup	1-1/4"	5" through 12"	2 1/4"	6,000	10	232.35
PT3000SS *	U cup	2"	5" through 12"	3 1/8"	6,000	4	<b>991.50</b>



# Pitless Adapters - Clear hole, Snap-on



BA and BA-NL Series

## Features:

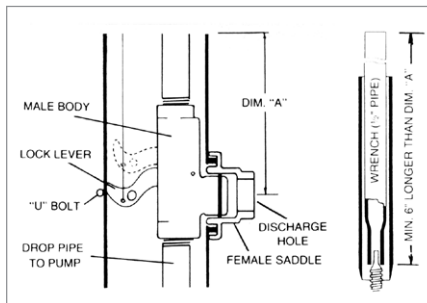
- CLEAR CASING DESIGN - no internal obstructions.
- Self -supporting (750 lbs / 300' of 1" iron pipe).
- 300 series stainless steel spring, pivot pin, pull cable, U-bolt, washers, nuts and extra wide backing strap.
- Built-in safety features should spring or cable fall.
- Available in combination with conduit or watertight caps.
- Quality American made bronze or No Lead Brass (NL).
- Easy to install.
- **All BA Series pitless adapters and BA-SC combination units are certified and approved watertight to ASSE Standard #1093-2019 and WSC PAS-97 (2019) standards.**



ASSE Standard #1093-2019 (R2023)  
WSC Standard PAS-97 (2019) (R2023)



Part Number	Description	Nominal Well Size"	Casing O.D."	Drop Pipe"	Ctn Qty	List Price
BA4-100NL	Pitless Adapter Only - NO LEAD	4	4 1/2	1	1	\$ <b>496.28</b>
BA4-100PSCNL	With PSC4 Plastic Cap - NO LEAD	4	4 1/2	1	1	<b>573.62</b>
BA4-125NL	Pitless Adapter Only - NO LEAD	4	4 1/2	1 1/4	1	<b>542.04</b>
BA4-125CNL	With C4 Alum Conduit Cap - NO LEAD	4	4 1/2	1 1/4	1	<b>620.10</b>
BA4-125PSCNL	With PSC4 Plastic Cap - NO LEAD	4	4 1/2	1 1/4	1	<b>606.52</b>
BA4-125SCNL	With SC4 ABS/Alum Cap - NO LEAD	4	4 1/2	1 1/4	1	<b>633.61</b>
BA45-100NL	Pitless Adapter Only - NO LEAD	4 1/2 SDR17	4.95	1	1	<b>528.13</b>
BA45-125NL	Pitless Adapter Only - NO LEAD	4 1/2 SDR17	4.95	1 1/4	1	<b>575.87</b>
BA5-100NL	Pitless Adapter Only - NO LEAD	5	5 9/16	1	1	<b>535.28</b>
BA5-125NL	Pitless Adapter Only - NO LEAD	5	5 9/16	1 1/4	1	526.40



## Installation Instructions

Note: Apply lubricant to o-ring on male member of body & female portion of saddle.

1. Cut 2 1/4" diameter discharge hole in casing with a 2 1/4" hole saw. Attach saddle and U-bolt.
2. File notch in top of casing above discharge hole for alignment and for easy reinstallation if pump must be pulled later.
3. Assemble pump and drop pipe to body and lower into casing with 1" support pipe longer than dim A. Note: Make sure male member snaps completely into female portion of saddle.
4. Remove 1" support pipe and attach cap.

## Drain & Wire Fitting - Bronze



BWS75-100

### Bronze Drain and Wire Fitting Features:

- Cast from bronze to insure long life and durability in the most aggressive well conditions.
- Fastens to well casing to provide tapping for well drain, electrical conduit, bulkhead fittings & other related uses.
- Rubber gasket seals out ground water contamination.

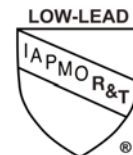
Part Number	Drop Pipe Size	Nominal Well Casing	Casing Hole Opening	Max Load Capacity (lbs.)	Ctn Qty	List Price
BWS75-100	3/4" FPT x 1" MPT	5" through 8"	1 3/8"	-	10/60	\$ <b>40.39</b>



## WTC6 ABS PLASTIC WATERTIGHT WELL CAP

### Features:

- Fits 6" ID, 6 1/4" OD well casing
- 1 1/4" NPT conduit tap for easier large wire installations.
- Hi-impact blue ABS plastic with UV inhibitors for strength and resistance to heat, cold and corrosion.
- Oversize, flexible well casing gasket seal to provide vermin-proof and tamper resistant installation.
- Heavy duty stainless steel nuts, bolts and washers for corrosion resistance and dependable gasket sealing.
- Sturdy vent system uses two downward facing 9/16" diameter, corrosion resistance, NO LEAD brass mesh screen vents to meet state codes and PAS97 certification.
- Well log inside cap records GPM, casing feet, date installed, well depth, water depth, pump HP and pump setting.
- ANSI/NSF372 Low Lead certified and listed.
- Water Systems Council/PAS97 (2019)/ASSE Standard #1093-2019 certified and listed.
- WTC6L locking feature with stainless steel ring set screw with padlock locking pads. (Padlock NOT included).
- Individually cartoned with hardware and installation instructions.



Part Number	Nominal Well Casing	Maximum Casing OD	Conduit Tap	Master Ctn Qty	List Price
WTC6	6" and 6 1/4"	6 5/8"	1 1/4"	10	\$77.61
WTC6L	6" and 6 1/4"	6 5/8"	1 1/4"	10	77.93

Custom personalization of the caps above is available. Add "P" suffix to part number. Self adhering, engraved brushed aluminum tag. Minimum of 24 of one size.

Do NOT overtighten screws, nuts or set screw. Overtightening will cause well cap to crack and will void warranty.



PWTC6

## HARVARD Plastic Watertight Well Cap

### Features:

- PWTC6 Fits 6" and 6 1/4" ID, 6 5/8" OD well casing.
- PSC614 fits SDR27.6 6 1/4" ID PVC well casing with 6.9" OD.
- Gray, glass-filled thermoplastic with UV stabilizers.
- White ABS bottom casing seal for PSC Series.
- Especially formulated for outdoor weatherability.
- Stainless steel bolts, nuts included.
- Factory installed stainless steel vents. 1" conduit tap.
- Made in USA.



PSC Series



Part Number	Material	Nominal Well Casing	Maximum Casing OD	Conduit Tap	Master Ctn Qty	List Price
PWTC6	Thermoplastic	6" and 6 1/4"	6 5/8"	1"	8	\$ <b>76.83</b>
PSC4	Thermoplastic	4"	4 1/2"	1"	12	54.89
PSC5	Thermoplastic	5"	5 9/16"	1"	12	<b>71.20</b>
PSC614	Thermoplastic	6 1/4" SDR27.6 PVC	6.9"	1"	12	71.20

Custom personalization of the caps above is available. Add "P" suffix to part number. Self adhering, engraved brushed aluminum tag. Minimum of 24 of one size.



WC Series

## HARVARD WC SERIES Cast Iron Watertight Well Cap Features:

- WC6 fits 6" and 6-1/4" I.D. 6 5/8" OD well casing.
- WC625 fits SDR27.6 6 1/4" ID PVC well casing, with 6.9" OD.
- 1" or 1 1/4" IPS conduit tap and factory installed screen vents.
- Heavy cast iron body. 20% heavier than any other comparable watertight well caps available.
- Wide rubber gasket provides positive watertight seal.
- Blue powder coat paint finish.
- Individually packaged. Includes all hardware.
- **All WC Series well caps are certified and approved watertight to ASSE Standard #1093-2019 and WSC PAS-97 (2019) standards.**



C56V

## HARVARD C56V Cast Iron Multi-Size Well Cap Features :

- Heavy cast iron construction. 30% heavier than any other comparable cap available.
- Quick installation.
- Fits 5-5/8" and 6" well casing, Maximum 6 5/8" OD.
- 1" conduit opening.
- Blue finish for easy site location.
- Individually packaged. Includes bolts.



Part Number	Material	Nominal Well Casing	Maximum Casing OD	Conduit Tap	Master Ctn Qty	List Price
WC6	Cast Iron	6" and 6 1/4"	6 5/8"	1"	6	\$ <b>157.89</b>
WC6-11/4	Cast Iron	6" and 6 1/4"	6 5/8"	1 1/4"	6	<b>186.58</b>
WC625	Cast Iron	6 1/4" SDR27.6 PVC	6.9"	1"	6	<b>158.82</b>
C56V	Cast Iron	5-5/8" , 6" , 6 1/4"	6 5/8"	1"	6	<b>52.49</b>

Custom personalization of the caps above is available. Add "P" suffix to part number. Self adhering, engraved brushed aluminum tag. Minimum of 24 of one size.

# Well Caps - Cast Aluminum



AWTC Series



AWTC--T Series



SC Series



C Series

## AWTC-Series Watertight Vermin- Proof Cap Features:

- Cast aluminum for strength and weather resistance.
- All stainless bolts and ground screws.
- Molded 3/16" gasket.

## SC-Series Watertight Cap Features:

- For use on plastic casing only.
- Injection molded ABS & grade 319 aluminum, can be solvent welded directly to PVC well casing.
- Stainless steel nuts, bolts & screened vents.
- **All SC Series well caps are certified and approved water tight to ASSE Standard #1093-2019 and WSC PAS-97 (2019) standards.**

## C-Series Standard Conduit Cap Features:

- For use on steel or plastic casing.
- Stainless steel set screws.

Custom personalization of the caps above is available. Add "P" suffix to part number. Self adhering, engraved brushed aluminum tag. Minimum of 25 of one size.



Part Number	Nominal Well Casing Size	Casing O.D.	Conduit Conn.	Vent Size	Weight	Ctn Qty	List Price
<b>Aluminum Watertight Vermin-Proof Well Cap</b>							
AWTC4	4"	4 1/2"	1"	1"	2.2	25	\$ <b>146.28</b>
AWTC45 ☺	4 1/2"	5"	1"	1"	2.7	20	<b>198.74</b>
AWTC5	5"	5 9/16"	1"	1"	2.4	20	<b>176.56</b>
AWTC55 ☺	5 1/2"	6"	1"	1"	3.1	15	<b>218.45</b>
AWTC6	6"	6 5/8"	1 1/4"	1"	2.8	15	<b>185.22</b>
AWTC7 ☺	6 1/2"	7"	1 1/4"	1"	3.1	13	<b>257.51</b>
AWTC8	8"	8 5/8"	1 1/4"	1"	4.3	1	<b>384.48</b>
AWTC10	10"	10 3/4"	2"	1" (2)	9.0	1	<b>981.97</b>
AWTC12	12"	12 3/4"	2"	1" (2)	11.0	1	<b>2029.35</b>

☺ Fits Whitewater pitless units

## Aluminum Watertight Vermin-Proof Well Cap w/ 1-1/4" Top Tap for use w/ pellet chlorinators

AWTC45T ☺	4 1/2"	5"	1"	1"	2.7	20	<b>234.18</b>
AWTC55T ☺	5 1/2"	6"	1"	1"	3.1	15	<b>253.35</b>
AWTC6T	6"	6 5/8"	1 1/4"	1"	2.8	15	<b>185.22</b>

☺ Fits Whitewater pitless units

## Aluminum/ABS Combination Watertight Well Cap

SC4	4"	4 1/2"	1"		1.5	12	93.78
SC45	4 1/2"	4.95"	1"		1.7	15	97.01
SC5	5"	5 9/16"	1"		2.3	10	107.02
SC6	6"	6 5/8"	1"		2.5	8	112.07
SC614	6 1/4"(SDR27.6)	6.9"	1"		2.5	12	129.54

## Standard Ventilated Cap with Conduit Opening

C4	4"	4 1/2"	3/4"		1.6	25	<b>77.25</b>
C5	5"	5 9/16"	3/4"		2.0	15	<b>108.79</b>
C6	6"	6 5/8"	3/4"		2.3	15	<b>117.67</b>
C7	7"	7 5/8"	1"		2.9	15	<b>182.80</b>
C8	8"	8 5/8"	1"		3.4	1	<b>197.82</b>



ASSE Standard #1093-2019 (R2021)  
WSC Standard PAS-97(2019) (R2021)





# ABS Well Seals



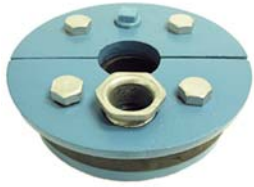
## PSWS and PJWS Series Features:

- Well seals are molded from high impact ABS for extra strength.
- Exclusive design of **extra thick (1-1/4") PVC gland** enables the sanitary sealing of a wide range of casing sizes.
- Zinc plated steel bolts.

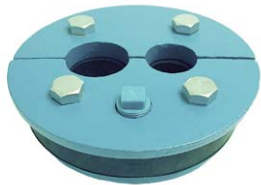


*DISCONTINUED ITEM - LIMITED STOCK AVAILABLE*

Part Number	Fits Well Casing ID	Well Casing ID Size Range	Drop Pipe Size	Conduit Tap IPS	Vent Tap IPS	Weight	Ctn Qty	List Price
<b>Single Hole</b>								
PSWS5xBLANK	5"	4 7/8 - 5 1/4"	blank	3/4"	1/2"	2.0 lbs.	10	<b>56.10</b>
PSWS5x11/2	5"	4 7/8 - 5 1/4"	1 1/2"	3/4"	1/2"	2.0 lbs.	10	<b>56.10</b>
PSWS5x2	5"	4 7/8 - 5 1/4"	2	3/4"	1/2"	2.0 lbs.	10	<b>56.10</b>
PSWS51/2xBLANK	5 1/2"	5 3/8 - 5 7/8"	blank	3/4"	1/2"	2.25 lbs.	10	<b>58.70</b>
PSWS51/2x11/4	5 1/2"	5 3/8 - 5 7/8"	1 1/4"	3/4"	1/2"	2.25 lbs.	10	<b>58.70</b>
PSWS51/2x11/2	5 1/2"	5 3/8 - 5 7/8"	1 1/2"	3/4"	1/2"	2.25 lbs.	10	<b>58.70</b>
PSWS6x1	6"	5 7/8 - 6 1/4"	1"	3/4"	1/2"	3.0 lbs.	10	<b>54.63</b>
PSWS61/4xBLANK	6 1/4"	6 1/4 - 6 1/2"	blank	3/4"	1/2"	3.25 lbs.	10	<b>56.10</b>
PSWS61/4x2	6 1/4"	6 1/4 - 6 1/2"	2"	3/4"	1/2"	3.25 lbs.	10	<b>56.10</b>
PSWS8x1	8"	8 - 8 1/4"	1"	1"	1/2"	5.0 lbs.	3	<b>71.76</b>
<b>Double Hole</b>								
PJWS4x1x11/4	4"	4 - 4 1/4"	1x1 1/4"	n/a	1/2"	1.5 lbs.	10	<b>36.73</b>
PJWS5x1x11/4	5"	4 7/8 - 5 1/4"	1x1 1/4"	n/a	1/2"	2.0 lbs.	10	<b>53.87</b>
PJWS6x1x11/4	6"	5 7/8 - 6 1/4"	1x1 1/4"	n/a	1/2"	3.0 lbs.	10	<b>57.05</b>



SWS Series



JWS Series

### Cast Iron Well Seal for Submersible & Jet Pumps Features:

- Highest quality smooth grey-iron castings accurately machined to narrowest tolerances.
- Finest heavy duty 3/4" molded rubber packing gland assures seal regardless of minor imperfections in well casing.
- Corrosion resistant, zinc plated steel bolts, rugged construction provides for maximum torque.
- Long lasting painted finish.
- Complete with electrical conduit kit and plug for SWS and plastic plugs for JWS series.
- Individually cartoned.
- Imported.



Part Number	Well Casing ID	Drop Pipe	Cable Hole Tapping	Vent Tapping	Ctn Qty	List Price
<b>Single Drop Pipe, SPLIT TOP, for submersible pumps (* Fits outside of well casing)</b>						
SWS2X1 (SOLID top)	2"	1"	-	1/8"	50	\$ <b>48.64</b>
SWS2X11/4 *	2"	1 1/4"	-	1/8"	12	<b>65.49</b>
SWS3X1	3"	1"	3/8"	1/8"	16	<b>71.95</b>
SWS3X11/4	3"	1 1/4"	(2) 5/16" drilled	1/8"	16	<b>71.95</b>
SWS4X1	4"	1"	3/4"	1/2"	12	<b>66.71</b>
SWS4X11/4	4"	1 1/4"	3/4"	1/2"	12	<b>66.71</b>
SWS4X11/4S	4"	1 1/4" center	3/4"	1/4"	12	<b>66.71</b>
SWS4X11/2	4"	1 1/2"	3/4"	1/4"	12	<b>66.71</b>
SWS4X2	4"	2"	1/2"	1/4"	12	<b>66.71</b>
SWS4X2 SOLID	4"	2"	3/4"	1/2"	12	<b>66.71</b>
SWS41/4X1	4 1/4"	1"	3/4"	1/2"	12	<b>68.12</b>
SWS5X1	5"	1"	1"	1/2"	6	<b>102.34</b>
SWS5X11/4	5"	1 1/4"	1"	1/2"	6	<b>102.34</b>
SWS5X2	5"	2"	3/4"	1/2"	6	<b>102.34</b>
SWS55/8X1	5 5/8"	1"	3/4"	1/2"	6	<b>120.75</b>
SWS6X1	6"	1"	1"	1/2"	6	<b>127.94</b>
SWS6X11/4	6"	1 1/4"	1"	1/2"	6	<b>127.94</b>
SWS6X11/2	6"	1 1/2"	1"	1/2"	6	<b>127.94</b>
SWS6X2	6"	2"	1"	1/2"	6	<b>127.94</b>
SWS6X3 SOLID	6"	3"	1"	1/2"	6	<b>127.94</b>
SWS6BLANK	6"	-	-	-	6	<b>142.80</b>
SWS61/4X1	6 1/4"	1"	1"	1/2"	6	<b>140.78</b>
SWS61/4X11/4	6 1/4"	1 1/4"	1"	1/2"	6	<b>140.78</b>
<b>Two Hole Drop Pipe, SPLIT TOP, for jet pumps</b>						
JWS3X1X3/4	3"	1" X 3/4"		1/8"	16	<b>71.95</b>
JWS4x11/4x1	4"	1 1/4" x 1"		1/2"	12	<b>66.71</b>
JWS5X11/4X1	5"	1 1/4" X 1"		1/2"	6	<b>102.34</b>
JWS55/8X11/4X1	5 5/8"	1 1/4" X 1"		1/2"	6	<b>120.75</b>
JWS6x11/4x1	6"	1 1/4" x 1"		1/2"	6	<b>127.94</b>
JWS61/4x11/4x1	6 1/4"	1 1/4" x 1"		1/2"	6	<b>140.78</b>



SCH Series

### Cast Iron Well Seal for Submersible Pump Features:

- Highest quality smooth grey-iron castings accurately machined to narrowest tolerances.
- Finest heavy duty 3/4" molded rubber packing gland assures seal regardless of minor imperfections in well casing.
- Corrosion resistant, zinc plated steel bolts, rugged construction provides for maximum torque.
- Long lasting painted finish.
- Individually cartoned.




Part Number	Simmons Part No.	Well Casing ID	Drop Pipe	Cable Hole Tapping	Vent Tapping	Ctn Qty	List Price
<b>Single Drop Pipe, Split Top, for submersible pump (* Fits outside of well casing)</b>							
2x3/4SCH	106	2"	3/4"	--	--	1	\$ <b>65.67</b>
2x1SCH	107	2"	1"	1/8"	1/8"	1	<b>65.67</b>
2x11/4SCH *	045	2"	1 1/4"	1/8"	1/8"	1	<b>74.53</b>
3x1SCH	108	3"	1"	3/8"	1/8"	6	<b>78.27</b>
3x11/4SCH	109	3"	1 1/4"	5/16" (2) drilled	1/8"	6	<b>78.27</b>
4BLANK (SOLID)		4"	--	--	--	6	<b>77.51</b>
4x1SCH	111	4"	1"	3/4"	1/2"	6	<b>73.50</b>
4x11/4SCH	112	4"	1 1/4"	3/4"	1/2"	6	<b>73.50</b>
4x11/2SCH	113	4"	1 1/2"	3/4"	1/2"	6	<b>75.00</b>
4x2SCH	114	4"	2"	1/2"	1/2"	6	<b>71.15</b>
41/4x1SCH	116	4 1/4"	1"	3/4"	1/2"	6	<b>69.42</b>
41/4x11/4SCH	117	4 1/4"	1 1/4"	3/4"	1/2"	6	<b>76.28</b>
41/2x1SCH	165	4 1/2"	1"	3/4"	1/2"	6	<b>101.33</b>
41/2x11/4SCH	166	4 1/2"	1 1/4"	3/4"	1/2"	6	<b>101.33</b>
5x1SCH	121	5"	1"	1"	1/2"	6	<b>105.34</b>
5x11/4SCH	122	5"	1 1/4"	1"	1/2"	6	<b>111.42</b>
5x11/2SCH	123	5"	1 1/2"	1"	1/2"	6	<b>111.42</b>
5x2SCH	124	5"	2"	3/4"	1/2"	6	<b>111.42</b>
55/8x1SCH	131	5 5/8"	1"	3/4"	1/2"	6	<b>129.14</b>
55/8x11/4SCH	132	5 5/8"	1 1/4"	3/4"	1/2"	6	<b>129.14</b>
55/8x11/2SCH	133	5 5/8"	1 1/2"	3/4"	1/2"	6	<b>129.14</b>
55/8x2SCH	134	5 5/8"	2"	3/4"	1/2"	6	<b>129.14</b>
6BLANK (SOLID)	313B	6"	--	--	--	6	<b>131.21</b>
6x1SCH	136	6"	1"	1"	1/2"	6	<b>128.06</b>
6x11/4SCH	137	6"	1 1/4"	1"	1/2"	6	<b>128.06</b>
6x11/2SCH	138	6"	1 1/2"	1"	1/2"	6	<b>122.17</b>
6x2SCH	139	6"	2"	1"	1/2"	6	<b>122.17</b>



400 Series

**Simmons**



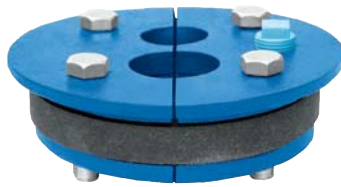
Part Number	Simmons Part No.	Well Casing ID	Drop Pipe	Cable Hole Tapping	Vent Tapping	Ctn Qty	List Price
<b>Single Drop Pipe, Split Top, for submersible pumps, continued</b>							
61/4x1SCH	141	6 1/4"	1"	1"	1/2"	6	\$ <b>128.06</b>
61/4x11/4SCH	142	6 1/4"	1 1/4"	1"	1/2"	6	<b>128.06</b>
61/4x11/2SCH	143	6 1/4"	1 1/2"	1"	1/2"	6	<b>123.58</b>
61/4x2SCH	144	6 1/4"	2"	1"	1/2"	6	<b>123.58</b>
8x1SCH	196	8"	1"	1"	1/2"	1	<b>367.02</b>
8x11/4SCH	197	8"	1 1/4"	1"	1/2"	1	<b>367.02</b>
8x11/2SCH	198	8"	1 1/2"	1"	1/2"	1	<b>367.02</b>
8x2SCH	199	8"	2"	1"	1/2"	1	<b>367.02</b>
8x3SCH	041	8"	3"	1"	1/2"	1	<b>367.02</b>
8x4SCH	042	8"	4"	1"	1/2"	1	<b>367.02</b>

6 5/8", 10" and 12" well seals are available in steel only by special order.

### Single drop pipe, SOLID TOP PLATE, for submersible pump

440B	301	4"	1"	3/4"	1/2"	6	<b>76.20</b>
440C	049	4"	1-1/4"	3/4"	1/2"	6	<b>77.57</b>
450B	323	5"	1"	3/4"	1/2"	6	<b>110.51</b>
460B	313	6"	1"	1"	1/2"	6	<b>125.58</b>
460C	314	6"	1-1/4"	1"	1/2"	6	<b>125.58</b>
460D	315	6"	1-1/2"	1"	1/2"	6	<b>137.02</b>
460E	316	6"	2"	1"	1/2"	6	<b>127.01</b>
6x3SCH	021	6"	3" offset	1"	1/2"	6	<b>127.01</b>
460X	313A	6"	Blank	1"	1/2"	6	<b>136.66</b>
462B	318	6-1/4"	1"	1"	1/2"	6	<b>125.58</b>
462C	319	6-1/4"	1-1/4"	1"	1/2"	6	<b>125.58</b>
462D	320	6-1/4"	1-1/2"	1"	1/2"	6	<b>127.01</b>
462E	321	6-1/4"	2"	1"	1/2"	6	<b>127.01</b>

• Additional drop pipe sizes and well casing ID's of well seals are available by special order. Allow 3 weeks for delivery.



DH Series

### Cast Iron Well Seal for Jet Pump Features:

- Highest quality smooth grey-iron castings accurately machined to narrowest tolerances.
- Finest heavy duty 3/4" molded rubber packing gland assures seal regardless of minor imperfections in well casing.
- Corrosion resistant, zinc plated steel bolts, rugged construction provides for maximum torque.
- Long lasting painted finish.
- Individually cartoned.

**Simmons**



Part Number	Simmons Part No.	Well Casing ID	Drop Pipe	Vent Tapping	Ctn Qty	List Price
<b>Two Hole Drop Pipe, SPLIT TOP, for jet pumps</b>						
4x11/4x1DH	152	4"	1 1/4 x 1"	1/2"	6	\$ <b>73.58</b>
4x11/4x11/4DH	153	4"	1 1/4 x 1 1/4"	1/2"	6	<b>74.54</b>
4 1/4x11/4x1DH	156	4 1/4"	1 1/4 x 1"	1/2"	6	<b>76.28</b>
5X11/4x1DH	161	5"	1 1/4 x 1"	1/2"	6	<b>111.42</b>
55/8x11/4x1DH	171	5 5/8"	1 1/4 x 1"	1/2"	6	<b>129.14</b>
55/8x11/4x11/4DH	172	5 5/8"	1 1/4 x 1 1/4"	1/2"	6	<b>129.14</b>
6x11/4x1DH	177	6"	1 1/4 x 1"	1/2"	6	<b>123.59</b>
6x11/4x11/4DH	178	6"	1 1/4 x 1 1/4"	1/2"	6	<b>125.50</b>
6 1/4x11/4x1DH	183	6 1/4"	1 1/4 x 1"	1/2"	6	<b>127.68</b>
6 1/4x11/4x11/4DH	184	6 1/4"	1 1/4 x 1 1/4"	1/2"	6	<b>120.57</b>

• Additional drop pipe sizes for jet well seals are available by special order. Allow 3 weeks for delivery.



Vent Pipe



Vent Seal

### Vent Pipe Features:

- Fabricated from 1/2" heavy duty zinc plated steel pipe.
- Includes stainless steel bug screen.
- Use for ventilating wells directly to atmosphere.

### Vent Seal Features:

- Fabricated from rugged ABS for sanitary protection.
- 1/2" OD x 4-1/2" long, and is easily installed.



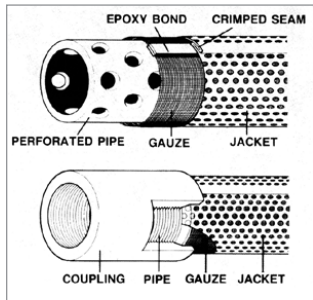
Part Number	Description	Ctn Qty	List Price
<b>Vent Pipe</b>			
VP50	1/2" Zinc Plated Steel	30	<b>\$27.84</b>
<b>Vent Seal</b>			
VS50	1/2" Plastic	50	4.51



**Drive Well Point Features:**

- Heavy duty ductile iron point to drive into all types of soil.
- Stainless steel jacket and gauze.
- Crimped seam eliminates peeling.
- Epoxy bonding at critical points.
- Locked at both ends.
- Lead free seam.
- Pipe coupling provided.
- Threaded, octagonal shoulder prevents turning while driving.
- Forms large enough hole to allow clearance for pipe couplings.
- **Third party certified to NSF/ANSI 372.**


**CLAYTON MARK®**

**Drive Well Point**


Part Number	Gauze	Pipe Length	Pipe Size	Ctn Qty	List Price
<b>Drive Points</b>					
SBD2460	60	24	1-1/4"	3	\$ <b>127.56</b>
SBD3060	60	30	1-1/4"	3	<b>182.88</b>
SBD3660	60	36	1-1/4"	3	<b>221.20</b>
SBD4260	60	42	1-1/4"	3	<b>179.30</b>
SBD4860	60	48	1-1/4"	3	<b>268.18</b>
SBD6060	60	60	1-1/4"	3	<b>272.08</b>
SBD2480	80	24	1-1/4"	3	<b>127.56</b>
SBD3080	80	30	1-1/4"	3	<b>182.88</b>
SBD3680	80	36	1-1/4"	3	<b>221.20</b>
SBD4280	80	42	1-1/4"	3	<b>179.30</b>
SBD4880	80	48	1-1/4"	3	<b>268.18</b>
SBD30100	100	30	1-1/4"	3	<b>182.88</b>
SBD36100	100	36	1-1/4"	3	<b>221.20</b>
SBD48100	100	48	1-1/4"	3	<b>268.18</b>
SCD&F3660	60	36	1-1/2"	3	<b>151.12</b>
SCD&F4860	60	48	1-1/2"	3	<b>211.68</b>
SCD&F6060	60	60	1-1/2"	3	<b>264.83</b>
SCD&F3680	80	36	1-1/2"	3	<b>151.12</b>
SCD&F4880	80	48	1-1/2"	3	<b>211.68</b>
SDD&F3060	60	30	2"	3	<b>211.28</b>
SDD&F3660	60	36	2"	3	<b>232.56</b>
SDD&F4860	60	48	2"	3	<b>292.60</b>
SDD&F6060	60	60	2"	3	<b>361.76</b>
SDD&F3080	80	30	2"	3	<b>211.28</b>
SDD&F3680	80	36	2"	3	<b>242.84</b>
SDD&F4880	80	48	2"	3	<b>292.60</b>
SDD&F6080	80	60	2"	3	<b>361.76</b>


**CLAYTON MARK®**

**Flush Well Point**
**Combination Well Point**
**Flush Well Point Features:**

- Same as drive well points plus:
- Designed to pass through well casing & drive shoe into water bearing sand & gravel.
- Pipe coupling is designed to catch in a closed-pattern drive shoe.
- Beveled edges on point forms a positive grip on jacket, similar to single piece construction.
- Stainless steel jacket & gauze

**Combination Well Point Features:**

- Can be used as a regular well point or as an open end screen.
- Stainless steel jacket & gauze

Part Number	Gauze	Pipe Length	Pipe Size	Ctn Qty	List Price
<b>Flush Well Points</b>					
SBF3660	60	36	1-1/4"	3	\$ <b>183.61</b>
SBF4860	60	48	1-1/4"	3	<b>240.55</b>
SBF4280	80	42	1-1/4"	3	<b>210.60</b>
SBF48100	100	48	1 1/4"	3	<b>240.55</b>
<b>Combination Well Points</b>					
SBC2460	60	24	1-1/4"	3	<b>150.06</b>


**Drive & Flush Well Point Head**

Part Number	Type	Pipe Size	Ctn Qty	List Price
<b>Well Point Heads</b>				
A1120041	Drive	1-1/4"	1	\$ <b>26.82</b>
A1120005	Drive	1-1/2"	1	<b>30.73</b>
A1120006	Drive	2"	1	<b>43.30</b>
A1120007	Flush	1-1/4"	1	<b>21.88</b>

# Drive Well Points



I-Series

### Imperial Series Features:

- Designed to be driven into all types of soil.
- Imperial series are wrapped outside with a stainless steel screen
- Stainless steel jacket over gauze construction is permanently fixed to perforated steel pipe.
- Design allows the passage of all the sand free water the pipe can carry.
- Cast iron drive point head can be removed for easy field extension by coupling together with the second well point for added capacity.



Part No.	Simmons	Pipe Size	Length	Gauze	Ctn Qty	List Price
<b>Imperial with Outer Stainless Steel Gauze</b>						
I90-60	1720-1	1 1/4	24"	60	1	\$ <b>187.41</b>
I94-60	1721-1	1 1/4	30"	60	1	<b>195.41</b>
I98-60	1722-1	1 1/4	36"	60	1	<b>214.60</b>
I100-60	1723-1	1 1/4	42"	60	1	<b>242.64</b>
I102-60	1724-1	1 1/4	48"	60	1	<b>262.37</b>
I168-60	1752-1	2	36"	60	1	<b>332.99</b>
I172-60	1753-1	2	48"	60	1	<b>503.96</b>
I176-60	1754-1	2	60"	60	1	<b>534.30</b>
<b>I-Series</b>						
I90-80	1726-1	1 1/4	24"	80	1	<b>199.56</b>
I94-80	1727-1	1 1/4	30"	80	1	<b>212.32</b>
I98-80	1728-1	1 1/4	36"	80	1	<b>220.67</b>
I102-80	1730-1	1 1/4	48"	80	1	<b>277.23</b>
I144-80	1747-1	1 1/2	36"	80	1	<b>275.91</b>



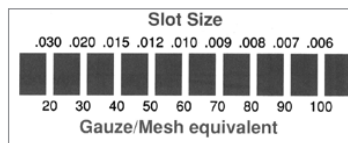
S-Series

### Standard Series Features:

- For use in rocky or sandy soil.
- Standard series are wrapped inside with a stainless steel screen.
- Unique corrosion resistant construction features protect stainless steel gauze held in place between galvanized pipe and a stainless steel liner.
- Self flushing chamfered holes in galvanized pipe eliminate clay or sand build-up, giving maximum water yield with minimum development time.



Part No.	Simmons	Pipe Size	Length	Gauze	Ctn Qty	List Price
<b>Standard Series with Inner Stainless Steel Gauze</b>						
S94-60	1721	1 1/4	30"	60	1	\$ <b>382.00</b>
S98-60	1722	1 1/4	36"	60	1	<b>382.95</b>
S102-60	1724	1 1/4	48"	60	1	<b>503.83</b>
S168-60	1752	2	36"	60	1	<b>618.75</b>
S172-60	1753	2	48"	60	1	<b>592.76</b>
S176-60	1754	2	60"	60	1	<b>703.81</b>
<b>S-Series</b>						
S94-80	1727	1 1/4	30"	80	1	<b>382.70</b>
S98-80	1728	1 1/4	36"	80	1	<b>384.46</b>



# Drive Well Point Supplies

## “Sand Shark”, Backwash Valves Features:

- Used in soft soil to jet open-end screen to desired depth.
- Thickwalled, cast iron construction with saw teeth to rip through roots, debris.
- Solid ABS ball check keeps sand from entering well when jetting operations are complete.
- Not spring loaded.



**80002C**  
Sand Shark  
Valve



**8660B**  
Backwash  
Valve

Part Number	Valve Size	Pressure Pipe Tap	Ctn Qty	List Price
80002C	2" NPT Male	1" NPS Left Hand Female	Bulk	\$ 115.30

Part Number	Pipe Size	Description	Ctn Qty	List Price
8660B	2"	No. 19B S/Steel Ball	12	\$ <b>128.14</b>



**434 Series**

## Turned Coupling Features:

- Used for suspending flush well points or strainers from drive shoes or tubular cylinders.
- Galvanized with standard pipe thread.
- Furnished with right hand pipe threads.
- Thin wall 434J.
- **Third party certified to NSF/ANSI 372.**



Part Number	Rt. Hand Thread Pipe Size	Well Size	Strainer Size	Coupling O.D.	Coupling Length	Ctn Qty	List Price
<b>Turned Couplings</b>							
434J11/4X11/4	1-1/4 x 1-1/4"	2	1"	1 13/16"	2-1/4"	48	\$ 10.53
434-11/4X11/4	1 1/4 X 1 1/4"	2	1 1/4	1 15/16"	2 1/4	48	11.58



**DC**

## Galvanized Drive Coupling Features:

- Heavy pattern with deep recess for shouldering on imperfect threads of well points.
- Assures proper driving of well points and standard pipe.
- Taper tapped, reamed and drifted.
- **Third party certified to NSF/ANSI 372.**



## Drive Cap Features:

- Heavy duty forged steel.
- Standard pipe threads.
- Vented on top.



**C125**

Part Number	Description	Pipe Size	Length (in.)	Ctn Qty	List Price
<b>Galvanized Drive Couplings</b>					
DC125C	1-1/4"	1-1/4"	2.75	40	\$ <b>16.65</b>
DC150	1-1/2"	1-1/2"	2.75	40	<b>24.68</b>
DC200	2"	2"	2.90	30	<b>27.99</b>
DC200L	2" Long Pattern	2"	3.40	30	<b>38.38</b>
<b>Drive Caps</b>					
C125	Heavy Duty Forged Steel	1-1/4"		32	<b>27.89</b>
C200	Heavy Duty Forged Steel	2"		16	<b>45.00</b>



### Drive Shoe Features:

- Alloy grade seamless stock.
- Special process to strengthen the material before heat treating.
- All drive shoes are heat treated.
- All drive tips are flame hardened for superior driving strength.
- All drive shoes are tested for dimensional accuracy and tip hardness.
- Chemically bonded technology to provide superior corrosion resistance.
- Cable and Rotary style.
- Weld-on and threaded.
- **Third party certified NO LEAD to NSF/ANSI 372.**



7000 Series

Part Number	Nominal Casing Size "	ID x Bore "	Description	Ctn Qty	List Price
<b>Threaded Cable Tool Style</b>					
7000A	2	2 x 2	Open Pattern	25	\$ <b>42.38</b>
7000D	2	2 x 2	Closed Pattern, extd threads (P&R)	25	<b>70.36</b>
7000E	3	3 x 3	Open Pattern	12	<b>114.43</b>
7000GL	4	4 1/2 x 4	Open Pattern	8	<b>79.34</b>
7000J	5	5 1/2 x 5	Open Pattern	5	<b>114.62</b>
7000K	6	6 5/8 x 6	Open Pattern (6.125" Bore)	4	<b>176.58</b>
7000N	6	6 5/8 x 6	<b>Short</b> Pattern (6.125" Bore)	4	<b>142.89</b>
7000KLD	6	6 5/8 x 6 1/4	Open Pattern Large ID (6.25" Bore)	4	<b>170.19</b>
7059X	8	8 5/8 x 8	Open Pattern	1	<b>388.13</b>



7055 Series

<b>Weld-On Cable Tool Style</b>					
7055E	3	3 x 3	Open Pattern	12	<b>121.98</b>
7055GL	4	4 1/2 x 4	Open Pattern	8	<b>79.34</b>
7055J	5	5 1/2 x 5 3/16	Open Pattern	5	<b>114.99</b>
7055K	6	6 5/8 x 6	Open Pattern (6.125" Bore)	4	<b>176.58</b>
7055R	6	6 5/8 x 6	<b>Short</b> Pattern (6.125" Bore)	4	<b>142.89</b>
7055KLD	6	6 5/8 x 6 1/4	Open Pattern Large ID (6.25" Bore)	4	<b>176.58</b>
7055M	8	8 5/8 x 8	Open Pattern	1	<b>396.33</b>
7055N	10	10 3/4 x 10	Open Pattern	1	<b>1033.90</b>



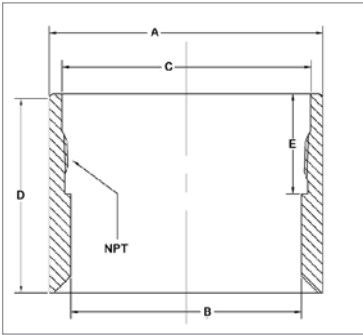
7005 Series

<b>Threaded Rotary Style</b>					
7005A	4	4 1/2 x 4	Open Pattern	8	<b>79.10</b>
7005B	5	5 1/2 x 5 3/16	Open Pattern	4	<b>111.94</b>
7005C	6	6 5/8 x 6	Open Pattern (6.125" Bore)	4	<b>173.44</b>
7005H	6	6 5/8 x 6	<b>Short</b> Pattern (6.125" Bore)	4	<b>138.83</b>
7005CLD	6	6 5/8 x 6 1/4	Open Pattern Large ID (6.25" Bore)	4	<b>173.44</b>
7005CLDS	6	6 5/8 x 6 1/4	<b>Short</b> Pattern Large ID (6.25" Bore)	4	<b>170.19</b>



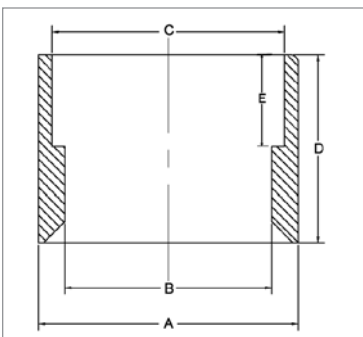
7007 Series

<b>Weld-on Rotary Style</b>					
7007A	4	4 1/2 x 4	Open Pattern	8	<b>86.32</b>
7007C	6	6 5/8 x 6	Open Pattern (6.125" Bore)	4	<b>185.05</b>
7007CLD	6	6 5/8 x 6 1/4	Open Pattern Large ID (6.25" Bore)	4	<b>185.05</b>
7007M	8	8 5/8 x 8	Open Pattern	1	<b>396.33</b>



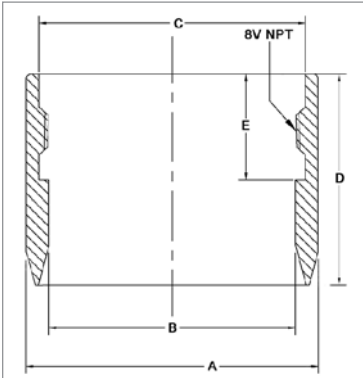
### Threaded Cable Tool Style Nominal

PART NO.	Pipe Size	Thread	A	B	C	D	E	Wellmaster Cross Ref
7000A	2"	1 1/2V	2.875	2.125	2.452	2.875	1.863	M5000200TUFF
7000E	3"	8V	4.00	3.10	3.54	3.50	1.75	M5001500TUFF
7000GL	4"	8V	5.00	4.125	4.578	4.00	2.43	M5001800TUFF
7000J	5"	8V	6.00	5.125	5.59	4.50	2.62	M5005500TUFF
7000K	6"	8V	7.39	6.125	6.719	5.40	2.70	M5009590TUFF
7000N	6"	8V	7.39	6.125	6.719	4.00	2.70	M5009655TUFF
7000KLD	6"	8V	7.39	6.25	6.719	5.40	2.70	M5010450TUFF
7059X	8"	8V	9.625	8.125	8.73	7.50	3.60	M5013800TUFF



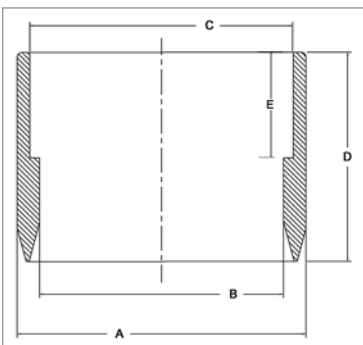
### Weld On Cable Tool Style Nominal

PART NO.	Pipe Size	A	B	C	D	E	Wellmaster Cross Ref
7055E	3"	4.00	3.10	3.54	3.50	1.75	M5001501TUFF
7055GL	4"	5.00	4.125	4.575	4.00	2.00	M5001600TUFF
7055J	5"	6.00	5.125	5.616	4.50	2.25	M5007200TUFF
7055K	6"	7.39	6.125	6.69	5.40	2.70	M5009220TUFF
7055R	6"	7.39	6.125	6.69	4.00	2.00	M5009195TUFF
7055KLD	6"	7.39	6.25	6.69	5.40	2.70	M5010200TUFF
7055M	8"	9.63	8.125	8.70	7.50	3.60	M5013500TUFF
7055N	10"	11.75	10.25	10.875	8.00	4.00	M5015500TUFF



### Threaded Rotary Style Nominal

PART NO.	Pipe Size	Thread	A	B	C	D	E	Wellmaster Cross Ref
7005A	4"	8V	5.00	4.125	4.78	4.00	2.43	M5002500TUFF
7005B	5"	8V	6.00	5.125	5.616	4.50	2.25	M5007900TUFF
7005C	6"	8V	7.39	6.125	6.719	5.40	2.70	M5009990TUFF
7005H	6"	8V	7.39	6.125	6.719	4.00	2.70	M5009960TUFF
7005CLD	6"	8V	7.39	6.25	6.719	5.40	2.70	M5010900TUFF
7005CLDS	6"	8V	7.39	6.25	6.719	4.00	2.70	M5011660TUFF



### Weld-On Rotary Style Nominal

PART NO.	Pipe Size	A	B	C	D	E	Wellmaster Cross Ref
7007A	4"	5.00	4.125	4.575	4.00	2.00	M5002310TUFF
7007C	6"	7.39	6.125	6.69	5.40	2.70	M5009700TUFF
7007CLD	6"	7.39	6.25	6.69	5.40	2.70	M5010700TUFF
7007M	8"	9.625	8.125	8.70	7.50	3.60	M5013550TUFF



**NEW**

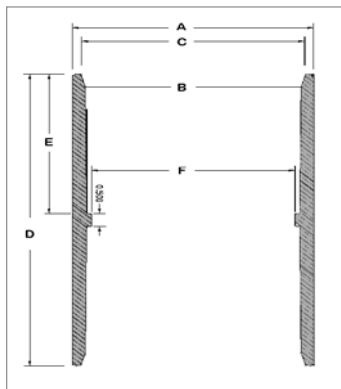

PXPC Series



PXDS Series

## Press Fit Coupling and Press Fit Drive Shoe Features:

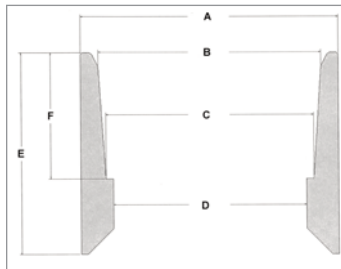
- Use with cable tool rigs.
- Strong friction taper connection.
- No threading or welding required.
- Drop on steel well casing end and start driving.
- Use with plain end casing.
- No weld, no thread drive shoe version improves efficiency.
- Chemically bonded technology to provide superior corrosion resistance.
- Lead free.
- Meets Standard of Compliance: ASTM A53/A53M-22.



## Press Fit Couplings

Part No	Nominal						
	Pipe Size	A	B	C	D	E	F
PXPC4.5	4 1/2"	5.0	4.432	4.514	11.5	5.5	4.145
PXPC5	5"	6.0	5.505	5.585	11.5	5.5	5.221
PXPC6	6 5/8"	7.39	6.571	6.655	11.5	5.5	6.29

Part Number	Nom. Casing Size	Casing OD	Weight	Ctn Qty	List Price
PXPC4.5	4 1/2"	5"	13 lbs	1	\$ <b>190.50</b>
PXPC5	5"	6"	16 lbs	1	\$ <b>230.36</b>
PXPC6	6 5/8"	7.39"	27 lbs	1	\$ <b>381.88</b>



## Press Fit Drive Shoes

Part No.	Nominal						
	Pipe Size	A	B	C	D	E	F
PXDS4.5	4 1/2"	5.0	4.524	4.446	4.125	7.125	5.125
PXDS5	5"	6.0	5.585	5.508	5.125	7.125	5.125
PXDS6	6 5/8"	7.4	6.65	6.573	6.125	7.125	5.125

Part Number	Nom. Casing Size	Casing OD	Weight	Ctn Qty	List Price
PXDS4.5	4 1/2"	5"	9 lbs	1	\$ <b>168.75</b>
PXDS5	5"	6"	10 lbs	1	\$ <b>225.00</b>
PXDS6	6 5/8"	7.4"	19 lbs	1	\$ <b>337.50</b>



## Well Casing Driver Features:

- Reusable driver protects well casing ends when driving casing.
- Slides on with no tools.
- 5.25" OD x 6.625" length

Part Number	Nominal		Weight	Ctn Qty	List Price
	Casing Size	Dimensions			
WCD4	4	5.25" OD x 6.625"	12 lbs	1	\$ <b>171.35</b>

# Pitcher Pump



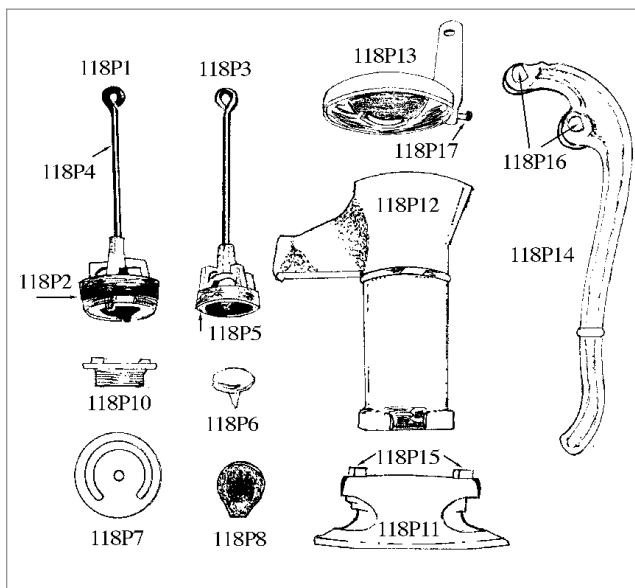
HPP10

## HARVARD® Pitcher Pump Features:

- Recommended for shallow pump applications – depth rating up to 20’.
- Easily installed.
- Made of heavy cast iron.
- Dark green hard enamel rugged powder coated paint finish.
- Open spout.
- 15-3/4” high.
- Tapped for 1-1/4” drop pipe.
- 15 lbs.
- Pumps are individually packaged 4 per master carton.
- Parts are carton qty 1.
- **Third party certified NO LEAD to NSF/ANSI 372.**

Part Number	Description	Master Ctn Qty	List Price
HPP10	Pitcher Pump, Cast Iron, Size #2	4	\$ <b>182.77</b>

## PITCHER PUMP REPLACEMENT PARTS



Part Number	Description	List Price
118P1	Complete Plunger Assembly includes *	<b>56.90</b>
118P2 *	Cup Leather for Plunger only	23.32
118P3	Plunger Rod and Cage (no cup leather)	<b>21.38</b>
118P4 *	Plunger Rod	<b>11.29</b>
118P5 *	Plunger Cage	<b>17.54</b>
118P6 *	Plunger Weight	<b>7.54</b>
118P7	Flat Leather for Base Valve	16.98
118P8	Weight and Screw for Flat Valve	<b>11.54</b>
118P9	Flat Valve Leather and Weight	<b>23.98</b>
118P10 *	Threaded Nut for Plunger Cage	<b>18.90</b>
118P11	Pump Base with Bolts (118P15)	<b>51.13</b>
118P12	Pump Cylinder	<b>58.16</b>
118P13	Pump Top with Set Screw (118P17)	<b>26.22</b>
118P14	Pump Handle with Two Bolts (118P16)	<b>43.99</b>
118P15	3/8 x1-1/4 Bolts for Pump Base (set of 2)	<b>6.45</b>
118P16	3/8 x 2 bolts for Pump Handle	<b>6.70</b>
118P17	Set Screw for Pump Top	<b>5.71</b>


**CLAYTON MARK®**

**449 B**

**Replacement Parts**
**449B ALL BRASS Features:**

- Corrosion resistant, all brass construction.
- Brass tubing offers a smooth working surface and extends the life of the leathers.
- Open top cylinder, threaded valves screw together for one-step removal.
- No need to pull cylinder to replace inner components.
- Reliable **BALL** plunger.
- Contains 707/45 series graphite leathers.
- **Third party certified NO LEAD to NSF/ANSI 372.**

**449B All Brass**

Part Number	Inside Diameter X Stroke (inches)	Barrel Length (inches)	Caps Tapped Pipe Size Top/Bottom (inches)	Size Rod in Plunger (inches)	Smallest Well Cylinder will enter (inches)	Capacity Per Stroke US Gallons	Cup Leather Sizing O.D. (inches)	Hole (inches)	List Price
7037HNL	1-7/8 x 14	24	2 x 1-1/4	5/8	3	.1680	1-7/8	1-5/16	\$ <b>1548.29</b>
7037RNL	1 7/8 X 20	30	2 X 1 1/4	5/8	3	.2400	1 7/8	1 5/16	<b>1269.08</b>

**449B Replacement Parts**

	1-7/8" Part Number	2-1/4" Part Number	2-3/4" Part Number
Plunger assembly w/ leathers	8599ANL	8599CNL	
Check assembly w/ leathers	8533CNL		
Leather for Plunger (707/45) Qty 3	707-221 17/8"x1 5/16"	707-334 21/4x11/2	707-384 23/4x17/8
Leather for Check (702/41) Qty 1	702-216 17/8"x1 5/16"	702-334 21/4x11/2	702-384 23/4x17/8

NOTE: PLEASE SEE PAGE 1.90 FOR REPLACEMENT PART PRICING.


**720**
**720 Series Rod Coupling Features:**

- Hexagonal shaped, galvanized couplings.
- Made from solid bars of cold-rolled steel.
- Use to connect steel pump rods.



Part Number	Size	Size of Hexagon	Overall Length	Ctn Qty	List Price
8075B1	3/8"x3/8"	5/8"	1-3/4"	25	\$ 2.39
8075C1	7/16"x3/8"	5/8"	1-3/4"	25	4.49
8075D1	7/16"x7/16"	5/8"	1-3/4"	25	2.23
8075E1	1/2"x3/8"	11/16"	1-3/4"	25	3.93
8075F1	1/2"x7/16"	11/16"	1-3/4"	25	5.41
8075G1	1/2"x1/2"	11/16"	1-3/4"	25	2.91
8075J1	5/8"x7/16"	13/16"	2-1/8"	BULK	13.68
8075K1	5/8" x 1/2"	13/16"	2 1/8"	BULK	10.73
8075L1	5/8"x5/8"	13/16"	2-1/8"	BULK	5.82

# Cylinders - All NO LEAD Brass



442

## 442 ALL BRASS Features:



**CLAYTON MARK®**

- All brass plunger, plain poppet and two leathers.
- Closed flush cap, recommended for all types of working heads and small diameter, shallow wells.
- Perma-Kleen®, Buna N rubber check poppet facing for smooth, quiet operation and tight seal.
- Clearance of two inches is provided between plunger and check.
- Contains 711/44 Series waterproof leathers.
- "NL" designates NO LEAD.
- **Third party certified NO LEAD to NSF/ANSI 372.**



442 All Brass Part Number	Inside Diameter x Stroke (inches)	Barrel Length (inches)	Caps Tapped Pipe Size Top/Bottom (inches)	Size Rod in Plunger (inches)	Well Cylinder will enter (inches)	Smallest Capacity Per Stroke US Gallons	Cup O.D. (inches)	Leather Sizing Hole (inches)	List Price
7027BNL	1-11/16 x 10	18	1 x 1	7/16	2	.0960	1-11/16	1-3/16	\$ <b>1082.94</b>
7027MNL	1 11/16 X 12	20	1 X 1	7/16	2	.1152	1 11/16	1 3/16	<b>1016.26</b>
7027CNL	1-13/16 x 8	16	1 x 1	7/16	2	.0896	1-13/16	1-3/16	<b>547.90</b>
7027DNL	1-13/16 x 10	18	1 x 1	7/16	2	.1120	1-13/16	1-3/16	<b>882.04</b>
7027D3NL	1-13/16 x 12	20	1 x 1	7/16	2	.1344	1-13/16	1-3/16	<b>943.37</b>
7027ENL	2 x 8	16	1 1/4 x 1 1/4	7/16	2-1/2	.1088	2	1-5/16	<b>713.56</b>
7027FNL	2 x 10	18	1 1/4 x 1 1/4	7/16	2-1/2	.1360	2	1-5/16	<b>1273.16</b>
7027F1NL	2 X 12	20	1 1/4 X 1 1/4	7/16	2 1/2	.1632	2	1 5/16	<b>1230.12</b>
7027JNL	2-1/4 x 10	18	1 1/4 x 1 1/4	7/16	3	.1721	2-1/4	1-3/8	<b>1380.17</b>
7027P2NL	2-1/4 x 12	20	1 1/4 x 1 1/4	7/16	3	.2071	2-1/4	1-3/8	<b>1053.37</b>
7027S3NL	2 1/2 X 8	18	1 1/4 X 1 1/4	7/16	3	.1700	2 1/2	1 5/8	<b>1268.33</b>
7027LNL	2-1/2 x 10	20	1 1/4 x 1 1/4	7/16	3	.2125	2-1/2	1-5/8	<b>1748.11</b>
7027FA3NL	3 x 10	20	1 1/4 x 1 1/4	7/16	3-1/2	.3060	3	2-1/8	<b>2078.04</b>
7027UNL	3 x 10	20	2 x 1 1/4	7/16	3-1/2	.3060	3	2-1/8	<b>2381.78</b>

442 Replacement Parts Description	1-11/16" Part Number	1-13/16" Part Number	2" Part Number	2-1/4" Part Number	2-1/2" Part Number	3" Part Number
Plunger Assembly w/ leather	8522ANL		8522CNL		8522FNL	8522JNL
Leather for Plunger (711/44)	711-151	711-198	711-264	711-333	711-358	711-638
2 each required	1-11/16x1-3/16	1-13/16x1-3/16	2x1-5/16	2-1/4x1-3/8	2-1/2x1-5/8	3x2-1/8

NOTE: PLEASE SEE PAGE 90 FOR REPLACEMENT PART PRICING.

# Cylinders - All NO LEAD Brass Eureka


**CLAYTON MARK®**

**450**

## 450 ALL BRASS NO LEAD EUREKA

### Features:

- Open top cylinder made for tubular wells and applications where the originally installed cylinder can't be removed.
- All brass valves with Perma-Kleen rubber poppet facings for smooth quiet operation and better seating.
- Threaded valves screw together for easy one-step removal.
- Spring dog holds unit in place until rubber packer is expanded by rotating drill rods.
- Packer creates a seal and anchors cylinder in place.
- Clearance of 2" is provided for operation between plunger and checks.
- **Third party certified NO LEAD to NSF/ANSI 372.**

### 450 All Brass Eureka Cylinders

Part Number	Size of Well (inches)	Inside Diameter of Cylinder (inches)	Stroke (inches)	Plunger tapped for pipe (inches)	Cup Leather Hole Size for Check & Plunger (inches)	Capacity per Stroke, US Gallons	List Price
7039XNL	2	1-13/16	14	3/8	1-3/16	.1570	<b>\$1548.29</b>


**Replacement  
Parts**

### 450 Replacement Parts

Description	Part Number
Check assembly	8515APNL
Plunger assembly	8514BNL

NOTE: PLEASE SEE PAGE 90 FOR REPLACEMENT PART PRICING.


**Seating Tool**

### 451 SEATING TOOL Features:

- Attaches to drill rod string to run and seat the 450 cylinder securely in place.

Part Number	Description	Ctn Qty	List Price
8041A	2" seating tool	1	<b>\$ 12.11</b>

Product Number	Description	Page	List Price
8034D	Cylinder Packer Rubber 450/7039	89	\$ <b>6.71</b>
8041A	Seating Tool for 450 Cylinders	89	<b>12.11</b>
8514BNL	Plunger Assembly 450/7039 1 13/16	89	<b>151.16</b>
8515APNL	Check Assembly 450/7039 2" NO LEAD	89	<b>85.48</b>
8522ANL	Plunger Assembly w/ leathers 442 1 11/16" NO LEAD	88	<b>77.50</b>
8522CNL	Plunger Assembly w/ leathers 442 2" NO LEAD	88	<b>157.74</b>
8522FNL	Plunger Assembly w/ leathers 442 2 1/2" NO LEAD	88	<b>183.06</b>
8522JNL	PLUNGER ASSY W/LEATHERS 442 3	88	<b>429.60</b>
8533CNL	CHECK ASMBLY W/LTHRS 449B 17/8	87	<b>221.82</b>
8599ANL	Plunger Assembly w/ leathers 449B 1 7/8" NO LEAD	87	<b>241.76</b>

**Table showing amount of water discharged per stroke by single acting cylinder.  
The diameter of cylinder and length of stroke being known.**

Dia. of pump cylinder in inches	Length of stroke in inches with capacity per stroke in gallons												Area of circle cylinder sq in
	1	2	3	4	5	6	7	8	10	12	18	24	
1 3/8	.0064	.0128	.0192	.0256	.0320	.0384	.0448	.0512	.0640	.0768	.1152	.1536	1.4849
1 1/2	.0076	.0153	.0229	.0306	.0382	.0459	.0535	.0612	.0765	.0918	.1375	.1832	1.7671
1 5/8	.0090	.0180	.0270	.0360	.0450	.0540	.0630	.0720	.0900	.1080	.1620	.2140	2.0739
1 3/4	.0104	.0208	.0312	.0416	.0512	.0625	.0729	.0833	.1041	.1249	.1872	.2497	2.4053
1 13/16	.0112	.0224	.0336	.0448	.0560	.0672	.0784	.0896	.1120	.1344	.2016	.2688	2.5802
1 7/8	.0120	.0240	.0360	.0480	.0600	.0720	.0840	.0960	.1200	.1440	.2160	.2280	2.7612
1 31/32	.0132	.0263	.0395	.0527	.0659	.0790	.0922	.1054	.1317	.1580	.2371	.3161	3.0440
2	.0136	.0272	.0408	.0544	.0680	.0816	.0952	.1088	.1360	.1632	.2448	.3264	3.1416
2 3/16	.0163	.0325	.0488	.0650	.0812	.0976	.1137	.1300	.1625	.1952	.2928	.3904	3.7584
2 1/4	.0172	.0344	.0516	.0688	.0860	.1033	.1205	.1377	.1721	.2071	.3104	.4137	3.9760
2 1/2	.0212	.0425	.0637	.0850	.1062	.1275	.1487	.1700	.2125	.2550	.3825	.5100	4.9070
2 3/4	.0257	.0514	.0771	.1028	.1285	.1543	.1800	.2057	.2571	.3085	.4628	.6171	5.9395
3	.0306	.0612	.0918	.1224	.1530	.1836	.2142	.2448	.3060	.3672	.5508	.7344	7.0686

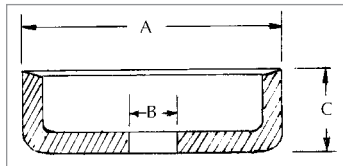
To obtain the capacity of a pump with a diameter of cylinder given in the table, but with a longer stroke than 24 inches (the longest stroke given in the table), add or multiply the capacity to represent the required length of stroke.

For instance: The capacity of a cylinder with a 30 inch stroke would be the same as that (having the same diameter) of an 18 inch stroke cylinder, added to the capacity of a 12 inch stroke cylinder. The same result may be obtained by multiplying the capacity of a cylinder with a 10 inch stroke by 3.

To obtain the amount of water discharged per minute, multiply the capacity per stroke by the number of strokes per minute. To obtain the amount of water discharged per hour, multiply this figure by 60.

Capacities are given in American Gallons. To find English gallons, deduct 1/6; to find liters, multiply by 3.75.




**702/41 Universal Features:**

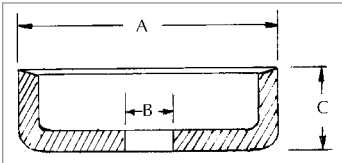
- Untreated economy leathers.
- Flesh side out.
- Used for open type hand pumps (pitcher pumps), jet packers and on any application calling for a stationary seal.
- Made in USA.


**ORDER IN TUBE QUANTITY ONLY**

NEW Part Number	OLD Part Number	Finish	A Cylinder I.D. Leather O.D.	B Hole Size Leather I.D.	C Height	Tube Qty	List Price
<b>702/41 Universal</b>							
702-022	L101000006	702/41	1"	3/8"	7/16"	12	\$ <b>9.61</b>
702-048	L101020006	702/41	1-1/8"	3/8"	1/2"	12	<b>10.52</b>
702-061	L101040006	702/41	1-1/4"	3/8"	1/2"	12	<b>10.52</b>
702-063	L101040008	702/41	1-1/4"	1/2"	1/2"	12	<b>10.52</b>
702-095	L101060010	702/41	1 3/8"	5/8"		12	<b>11.88</b>
702-169	L101120010	702/41	1-3/4"	5/8"	11/16"	12	<b>12.74</b>
702-198	L101130103	702/41	1-13/16"	1-3/16"	3/4"	12	<b>12.74</b>
702-216	L101140105 *	702/41	1-7/8"	1-5/16"	3/4"	12	<b>12.74</b>
702-220	L101140104 **	702/41	1-7/8"	1-1/4"	3/4"	12	<b>12.74</b>
702-263	L102000104	702/41	2"	1-1/4"	3/4"	12	<b>15.07</b>
702-264	L102000105	702/41	2"	1-5/16"	3/4"	12	<b>15.07</b>
702-333	L102040106	702/41	2-1/4"	1-3/8"	3/4"	12	<b>16.48</b>
702-334	L102040108 *	702/41	2 1/4"	1 1/2"	3/4"	12	<b>16.48</b>
702-358	L102080110	702/41	2-1/2"	1-5/8"	13/16"	12	<b>18.39</b>
702-384	L102120114 *	702/41	2-3/4"	1-7/8"	13/16"	12	<b>20.01</b>
702-410	L103000200	702/41	3"	2"	13/16"	12	<b>22.31</b>
702-464	L103080208	702/41	3-1/2"	2-1/2"	1"	12	<b>28.04</b>
702-521	L104000300	702/41	4"	3"	1-1/16"	6	<b>41.12</b>
702-636	L106000408	702/41	6"	4 1/2"		6	<b>135.96</b>

\* Standard Clayton Mark hole size

\*\* Standard Midland hole size



### 704/46 Oil Fill Features:

- Oak tanned leather and oil treated.
- Oil treatment waterproofs and retards swelling of leather inside cylinders.
- Reduces rod breakage or overloading motors.
- Oil treatment preserves leather insuring longer life.
- Flesh side out.
- Used in cylinders and piston pumps.
- Made in USA.

### ORDER IN TUBE QUANTITY ONLY

NEW Part Number	OLD Part Number	Finish	A Cylinder I.D. Leather O.D.	B Hole Size Leather I.D.	C Height	Tube Qty	List Price
<b>704/46 Oil Fill</b>							
704-010	L600140002	704/46	7/8"	1/8"		12	\$ <b>9.59</b>
704-048	L601020006	704/46	1-1/8"	3/8"	1/2"	12	<b>10.52</b>
704-092	L601060006	704/46	1-3/8"	3/8"	5/8"	12	<b>11.88</b>
704-105	L601080000	704/46	1 1/2"	SOLID	5/8"	12	<b>11.88</b>
704-198	L601130103	704/46	1-13/16"	1-3/16"	3/4"	12	<b>12.74</b>
704-220	L601140104 **	704/46	1-7/8"	1-1/4"	3/4"	12	<b>12.74</b>
704-255	L602000010	704/46	2"	5/8"	3/4"	12	<b>15.07</b>
704-264	L602000105	704/46	2"	1-5/16"	3/4"	12	<b>15.07</b>
704-333	L602040106	704/46	2-1/4"	1-3/8"	3/4"	12	<b>16.48</b>
704-354	L602080104	704/46	2-1/2"	1-1/4"		12	<b>18.39</b>
704-358	L602080110	704/46	2-1/2"	1-5/8"	13/16"	12	<b>18.39</b>
704-384	L602120114 *	704/46	2-3/4"	1-7/8"	13/16"	12	<b>20.01</b>
704-409	L603000105	704/46	3"	1-7/8"		12	<b>22.31</b>
704-410	L603000200	704/46	3"	2"	13/16"	12	<b>22.31</b>
704-464	L603080208	704/46	3-1/2"	2-1/2"	1"	12	<b>28.04</b>
704-521	L604000300	704/46	4"	3"	1-11/16"	6	<b>41.12</b>

\* Standard Clayton Mark hole size

\*\* Standard Midland hole size


**706/42 Black Perfection Features:**

- Hard, high-polished black finish leather
- Hair side out.
- Used for deep well cylinders as well as developing & testing new wells.
- Made in USA.


**CLAYTON MARK®**
**ORDER IN TUBE QUANTITY ONLY**


NEW Part Number	OLD Part Number	Finish	Cylinder I.D. Leather O.D.	Hole Size Leather I.D.	C Height	Tube Qty	List Price
<b>706/42 Black Perfection</b>							
706-022	L201000006	706/42	1	3/8"	7/16"	12	\$ 9.61
706-063	L201040008	706/42	1-1/4"	1/2"	1/2"	12	10.52
706-064	L201040010	706/42	1 1/4"	5/8"	1/2"	12	10.52
706-095	L201060010	706/42	1-3/8"	5/8"	5/8"	12	11.88
706-105	L201080000	706/42	1-1/2"	-	5/8"	12	11.88
706-112	L201080010	706/42	1-1/2"	5/8"	5/8"	12	11.88
706-127	L201100006	706/42	1-5/8"	3/8"	5/8"	12	11.88
706-155	L201110102	706/42	1-11/16"	1-1/8"	5/8"	12	12.74
706-166	L201120006	706/42	1 3/4"	3/8"		12	12.74
706-175	L201120102	706/42	1-3/4"	1-1/8"	11/16"	12	12.74
706-198	L201130103	706/42	1-13/16"	1-3/16"	3/4"	12	12.74
706-219	L201140103	706/42	1-7/8"	1-3/16"	3/4"	12	12.74
706-220	L201140104 **	706/42	1-7/8"	1-1/4"	3/4"	12	12.74
706-221	L201140105 *	706/42	1-7/8"	1-5/16"	3/4"	12	12.74
706-255	L202000010	706/42	2"	5/8"	3/4"	12	15.07
706-262	L202000103	706/42	2"	1-3/16"	3/4"	12	15.07
706-263	L202000104	706/42	2"	1-1/4"	3/4"	12	15.07
706-264	L202000105	706/42	2"	1-5/16"	3/4"	12	15.07
706-285	L202010104	706/42	2-1/16"	1-1/4"	3/4"	12	16.48
706-286	L202010105	706/42	2-1/16"	1-5/16"	3/4"	12	16.48
706-308	L202020104	706/42	2-1/8"	1-1/4"	3/4"	12	16.48
706-310	L202020106	706/42	2-1/8"	1-3/8"	3/4"	12	16.48
706-333	L202040106	706/42	2-1/4"	1-3/8"	3/4"	12	16.48
706-334	L202040108 *	706/42	2-1/4"	1-1/2"	3/4"	12	16.48
706-335	L202040110	706/42	2-1/4"	1-5/8"	3/4"	12	16.48
706-345	L202080008	706/42	2-1/2"	1/2"		12	18.39
706-358	L202080110	706/42	2-1/2"	1-5/8"	13/16"	12	18.39
706-359	L202080111	706/42	2-1/2"	1-11/16"	13/16"	12	18.39
706-384	L202120114 *	706/42	2-3/4"	1-7/8"	13/16"	12	20.01
706-409	L203000114	706/42	3"	1-7/8"	13/16"	12	22.31
706-410	L203000200	706/42	3"	2"	13/16"	12	22.31
706-435	L203010114	706/42	3 1/16"	1 7/8"		12	25.94
706-464	L203080208	706/42	3-1/2"	2-1/2"	1"	12	28.04
706-492	L203120210	706/42	3-3/4"	2-5/8"	1"	12	35.30
706-520	L204000212	706/42	4"	2-3/4"	1-1/16"	6	41.19
706-521	L204000300	706/42	4"	3"	1-1/16"	12	41.19

\* Standard Clayton Mark hole size

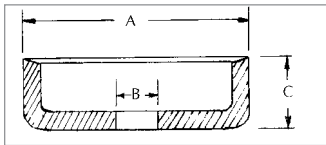
\*\* Standard Midland hole size

# Cup Leathers



## 707/45 Graphite Features:

- Selected from the center of hides.
- Flesh side out.
- Graphite coating prevents fast absorption of water and acts as a lubricant to reduce binding of the plunger in the cylinder.
- Made in USA.

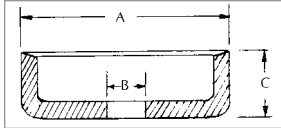

**CLAYTON MARK®**


## ORDER IN TUBE QUANTITY ONLY

NEW Part Number	OLD Part Number	Finish	A Cylinder I.D. Leather O.D.	B Hole Size Leather I.D.	C Height	Tube Qty	List Price
<b>707/45 Graphite</b>							
707-061	L501040006	707/45	1-1/4"	3/8"	1/2"	12	\$ 10.52
707-063	L501040008	707/45	1-1/4"	1/2"	1/2"	12	10.52
707-064	L501040010	707/45	1-1/4"	5/8"	1/2"	12	10.52
707-092	L501060006	707/45	1-3/8"	3/8"	5/8"	12	11.88
707-095	L501060010	707/45	1-3/8"	5/8"	5/8"	12	11.88
707-109	L501080006	707/45	1-1/2"	3/8"	5/8"	12	11.88
707-112	L501080010	707/45	1-1/2"	5/8"	5/8"	12	11.88
707-130	L501100010	707/45	1-5/8"	5/8"		12	11.88
707-149	L501110010	707/45	1-11/16"	5/8"		12	12.74
707-175	L501120102	707/45	1-3/4"	1-1/8"		12	12.74
707-198	L501130103	707/45	1-13/16"	1-3/16"	3/4"	12	12.74
707-215	L501140114	707/45	1-7/8"	7/8"	3/4"	12	12.74
707-220	L501140104 **	707/45	1-7/8"	1-1/4"	3/4"	12	12.74
707-221	L501140105 *	707/45	1-7/8"	1-5/16"	3/4"	12	12.74
707-255	L502000010	707/45	2"	5/8"	3/4"	12	15.07
707-264	L502000105	707/45	2"	1-5/16"	3/4"	12	15.07
707-286	L502010105	707/45	2-1/16"	1-5/16"	3/4"	12	16.48
707-300	L502020010	707/45	2-1/8"	5/8"	3/4"	12	16.48
707-333	L502040106	707/45	2-1/4"	1-3/8"	3/4"	12	16.48
707-334	L502040108 *	707/45	2-1/4"	1-1/2"	3/4"	12	16.48
707-639	L502060108	707/45	2 3/8"	1 1/2"	3/4"	12	18.39
707-357	L502080108	707/45	2-1/2"	1-1/2"	3/4"	12	18.39
707-358	L502080110	707/45	2-1/2"	1-5/8"	13/16"	12	18.39
707-359	L502080111	707/45	2-1/2"	1-11/16"	13/16"	12	18.39
707-384	L502120114 *	707/45	2-3/4"	1-7/8"	13/16"	12	20.01
707-410	L503000200	707/45	3"	2"	13/16"	12	22.31
707-436	L503010200	707/45	3 1/16"	2"		12	25.94
707-464	L503080208	707/45	3-1/2"	2-1/2"	1"	12	28.04
707-492	L503120210	707/45	3-3/4"	2-5/8"	1"	12	35.41
707-520	L504000212	707/45	4"	2-3/4"		6	41.12
707-521	L504000300	707/45	4"	3"	1-1/16"	6	41.12
707-615	L506000010	707/45	6"	5/8"		6	135.96

\* Standard Clayton Mark hole size

\*\* Standard Midland hole size



### 711/44 Waterproof Features:

- Soft, pliable waterproof.
- Hair side out.
- For use on piston pumps, shallow setting brass-cylinder barrels, air pumps and other applications where minimum water absorption and swelling is desired.
- Made in USA.


**CLAYTON MARK®**

### ORDER IN TUBE QUANTITY ONLY



NEW Part Number	OLD Part Number	Finish	Cylinder I.D. Leather O.D.	Hole Size Leather I.D.	Height	Tube Qty	List Price
<b>711/44 Waterproof</b>							
711-021	L401000004	711/44	1"	1/4"	7/16"	12	\$ 9.59
711-022	L401000006	711/44	1"	3/8"	7/16"	12	9.59
711-024	L401000008	711/44	1"	1/2"	7/16"	12	9.59
711-037	L401010010	711/44	1-1/16"	5/8"		12	10.52
711-048	L401020006	711/44	1-1/8"	3/8"	1/2"	12	10.52
711-050	L401020008	711/44	1-1/8"	1/2"	1/2"	12	10.52
711-057	L401040000	711/44	1 1/4"	-	1/2"	12	10.52
711-061	L401040006	711/44	1-1/4"	3/8"	1/2"	12	10.52
711-062	L401040007	711/44	1-1/4"	7/16"	1/2"	12	10.52
711-063	L401040008	711/44	1-1/4"	1/2"	1/2"	12	10.52
711-064	L401040010	711/44	1-1/4"	5/8"		12	10.52
711-076	L401050006	711/44	1-5/16"	3/8"		12	11.88
711-078	L401050008	711/44	1-5/16"	1/2"		12	11.88
711-094	L401060008	711/44	1-3/8"	1/2"	5/8"	12	11.88
711-095	L401060010	711/44	1-3/8"	5/8"	5/8"	12	11.88
711-098	L401060014	711/44	1-3/8"	7/8"	5/8"	12	11.88
711-109	L401080006	711/44	1-1/2"	3/8"	5/8"	12	11.88
711-111	L401080008	711/44	1-1/2"	1/2"	5/8"	12	11.88
711-112	L401080010	711/44	1-1/2"	5/8"	5/8"	12	11.88
711-129	L401100008	711/44	1-5/8"	1/2"	5/8"	12	11.88
711-130	L401100010	711/44	1-5/8"	5/8"	5/8"	12	11.88
711-135	L401100100	711/44	1-5/8"	1"	5/8"	12	11.88
711-149	L401110010	711/44	1-11/16"	5/8"	5/8"	12	12.74
711-151	L401110103	711/44	1 11/16"	1 3/16"		12	12.74
711-154	L401110100	711/44	1-11/16"	1"	5/8"	12	12.74
711-155	L401110102	711/44	1-11/16"	1-1/8"	5/8"	12	12.74
711-169	L401120010	711/44	1-3/4"	5/8"	11/16"	12	12.74
711-174	L401120100	711/44	1 3/4"	1"	11/16"	12	12.74
711-175	L401120102	711/44	1-3/4"	1-1/8"	11/16"	12	12.74
711-192	L401130012	711/44	1-13/16"	3/4"		12	12.74
711-198	L401130103	711/44	1-13/16"	1-3/16"	3/4"	12	12.74
711-211	L401140008	711/44	1-7/8"	1/2"	3/4"	12	12.74
711-212	L401140010	711/44	1-7/8"	5/8"	3/4"	12	12.74
711-217	L401140100	711/44	1-7/8"	1"	3/4"	12	12.74
711-219	L401140103	711/44	1-7/8"	1-3/16"	3/4"	12	12.74
711-220	L401140104 **	711/44	1-7/8"	1-1/4"	3/4"	12	12.74
711-221	L401140105 *	711/44	1-7/8"	1-5/16"	3/4"	12	12.74

\* Standard Clayton Mark hole size

\*\* Standard Midland hole size



# Cup Leathers

711/44 Waterproof - continued.  
ORDER IN TUBE QUANTITY ONLY



NEW Part Number	OLD Part Number	Finish	Cylinder I.D. Leather O.D.	Hole Size Leather I.D.	Height	Tube Qty	List Price
<b>711/44 Waterproof - Continued</b>							
711-240	L401150103	711/44	1-15/16"	1-3/16"	3/4"	12	\$15.07
711-242	L401150105	711/44	1-15/16"	1-5/16"	3/4"	12	15.07
711-248	L402000000	711/44	2"	SOLID	3/4"	12	15.07
711-254	L402000008	711/44	2"	1/2"	3/4"	12	15.07
711-255	L402000010	711/44	2"	5/8"	3/4"	12	15.07
711-259	L402000015	711/44	2"	15/16"	3/4"	12	15.07
711-262	L402000103	711/44	2"	1-3/16"	3/4"	12	15.07
711-263	L402000104	711/44	2"	1-1/4"	3/4"	12	15.07
711-264	L402000105	711/44	2"	1-5/16"	3/4"	12	15.07
711-267	L402000110	711/44	2"	1-5/8"	3/4"	12	15.07
711-277	L402010010	711/44	2-1/16"	5/8"	3/4"	12	16.48
711-284	L402010103	711/44	2-1/16"	1-3/16"	3/4"	12	16.48
711-285	L402010104	711/44	2-1/16"	1-1/4"	3/4"	12	16.48
711-286	L402010105	711/44	2-1/16"	1-5/16"	3/4"	12	16.48
711-300	L402020010	711/44	2-1/8"	5/8"	3/4"	12	16.48
711-308	L402020104	711/44	2-1/8"	1-1/4"	3/4"	12	16.48
711-316	L402040000	711/44	2 1/4"	SOLID	3/4"	12	16.48
711-323	L402040010	711/44	2-1/4"	5/8"	3/4"	12	16.48
711-331	L402040104	711/44	2-1/4"	1-1/4"	3/4"	12	16.48
711-332	L402040105	711/44	2-1/4"	1-5/16"	3/4"	12	16.48
711-333	L402040106	711/44	2-1/4"	1-3/8"	3/4"	12	16.48
711-334	L402040108 *	711/44	2-1/4"	1-1/2"	3/4"	12	16.48
711-335	L402040110	711/44	2-1/4"	1-5/8"	3/4"	12	16.48
711-339	L402080000	711/44	2-1/2"	SOLID	13/16"	12	18.39
711-346	L402080010	711/44	2-1/2"	5/8"	13/16"	12	18.39
711-354	L402080104	711/44	2-1/2"	1-1/4"	13/16"	12	18.39
711-355	L402080105	711/44	2-1/2"	1-5/16"	13/16"	12	18.39
711-356	L402080106	711/44	2-1/2"	1-3/8"	13/16"	12	18.39
711-357	L402080108	711/44	2-1/2"	1-1/2"	13/16"	12	18.39
711-358	L402080110	711/44	2-1/2"	1-5/8"	13/16"	12	18.39
711-359	L402080111	711/44	2-1/2"	1-11/16"	13/16"	12	18.39
711-384	L402120114 *	711/44	2-3/4"	1-7/8"	13/16"	12	20.01
711-637	L402140114	711/44	2-7/8"	1-7/8"	13/16"	12	20.01
711-406	L403000108	711/44	3"	1-1/2"	13/16"	12	22.31
711-409	L403000114	711/44	3"	1-7/8"	13/16"	12	22.31
711-410	L403000200	711/44	3"	2"	13/16"	12	22.31
711-638	L403000202	711/44	3"	2 1/8"	13/16"	12	22.31
711-435	L403010114	711/44	3-1/16"	1-7/8"	13/16"	12	25.94
711-436	L403010200	711/44	3-1/16"	2"	13/16"	12	25.94
711-464	L403080208	711/44	3-1/2"	2-1/2"	1"	12	28.04
711-492	L403120210	711/44	3-3/4"	2-5/8"	1"	12	35.41
711-495	L404000000	711/44	4"	SOLID	1-1/16"	6	41.12
711-518	L404000208	711/44	4"	2-1/2"	1-1/16"	6	41.12
711-520	L404000212	711/44	4"	2-3/4"	1-1/16"	6	41.12
711-521	L404000300	711/44	4"	3"	1-1/16"	12	41.12

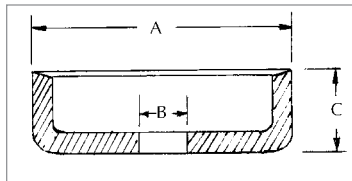
\* Standard Clayton Mark hole size

\*\* Standard Midland hole size




**NEO/86 NEOFAB CUP Features:**

- Enhanced endurance with lower replacement rates.
- Neoprene material with fabric insert in base.
- Outlasts all other leathers.
- Made in USA.


**ORDER IN TUBE QUANTITY ONLY**

NEW Part Number	OLD Part Number	Finish	A Cylinder I.D. Leather O.D.	B Hole Size Leather I.D.	C Height	Tube Qty	List Price
<b>NEO/86 NEOFAB CUP</b>							
NEO-220	L901140104 **	NEO/86	1-7/8"	1-1/4"	3/4"	3	\$ <b>61.36</b>
NEO-255	L902000010	NEO/86	2"	5/8"	3/4"	3	<b>61.69</b>
NEO-264	L902000105	NEO/86	2"	1-5/16"	3/4"	3	<b>61.69</b>
NEO-334	L902040108 *	NEO/86	2-1/4"	1-1/2"	3/4"	3	<b>62.21</b>
NEO-358	L902080110	NEO/86	2-1/2"	1-5/8"	13/16"	3	<b>62.75</b>
NEO-384	L902120114 *	NEO/86	2-3/4"	1-7/8"	13/16"	3	<b>63.54</b>
NEO-410	L903000200	NEO/86	3"	2"	13/16"	3	<b>66.55</b>
NEO-464	L903080208	NEO/86	3-1/2"	2-1/2"	1"	3	<b>73.57</b>

\* Standard Clayton Mark hole size

\*\* Standard Midland hole size



V5 Series

## Valve Leathers for use with pitcher pumps and cylinders

### 700/55 Universal Features:

- Lower valve leather.
- Uniform, heavy stock with russet finish.
- Made in USA.



Part Number	Cylinder I.D.	Leather O.D.	Standard I.D.	Ctn Qty	List Price
<b>700/55 Universal</b>					
V502080200	2"	2 1/2"	2"	6	\$ <b>10.09</b>
V502120204	2 1/4"	2 3/4"	2 1/4"	6	<b>11.54</b>
V503000206	2 1/2"	3"	2 3/8"	6	<b>12.74</b>
V503080214	3"	3 1/2"	2 7/8"	6	<b>15.57</b>
V503120302	3 1/4"	3 3/4"	3 1/8"	6	<b>15.57</b>
V504000304	3 1/2"	4"	3 1/4"	6	<b>18.16</b>
V504080312	4"	4 1/2"	3 3/4"	6	<b>19.00</b>
V505000404	4 1/4"	5"	4 1/4"	6	<b>19.00</b>
V505040408	4 1/2"	5 1/4"	4 1/2"	6	<b>20.35</b>
V506120512	6"	6 3/4"	5 3/4"	6	<b>50.58</b>

### Pitcher Pump Leather Selection Chart

Pump Size	Part Number	Cylinder I.D.	Leather O.D.
No. 1	V503000206	2-1/2"	3
No. 2	V503080214	3"	3-1/2"
No. 3	V504000304	3-1/2"	4"
No. 4	V504080312	4"	4-1/2"



708/57 Universal  
Packing Ring

### 708/57 Universal Packing Ring Features:

- General purpose leather washer or flat ring gasket.
- Universal finish for all applications.
- Soft, pliable leather for long life.
- Made in USA.



Part Number	Finish	Outside Diameter	Hole Size	Thickness	List Price
<b>708/57 Universal Packing Ring</b>					
R702000106	708/57	2"	1-3/8"	1/8"	\$ <b>3.63</b>
R702080114	708/57	2-1/2"	1-7/8"	1/8"	<b>5.34</b>
R702120202	708/57	2-3/4"	2-1/8"	1/8"	<b>6.27</b>
R703000206	708/57	3"	2-3/8"	1/8"	<b>7.38</b>
R703080214	708/57	3-1/2"	2-7/8"	5/32"	<b>9.62</b>

## Add extra years to the life of any drill rig with the products used for years.



Use Jet-Lube specialty lubricants, thread compounds and sealants on drill rods, pipe, collars, stabs, subs, wire and cable for lower down-time and longer rig life.

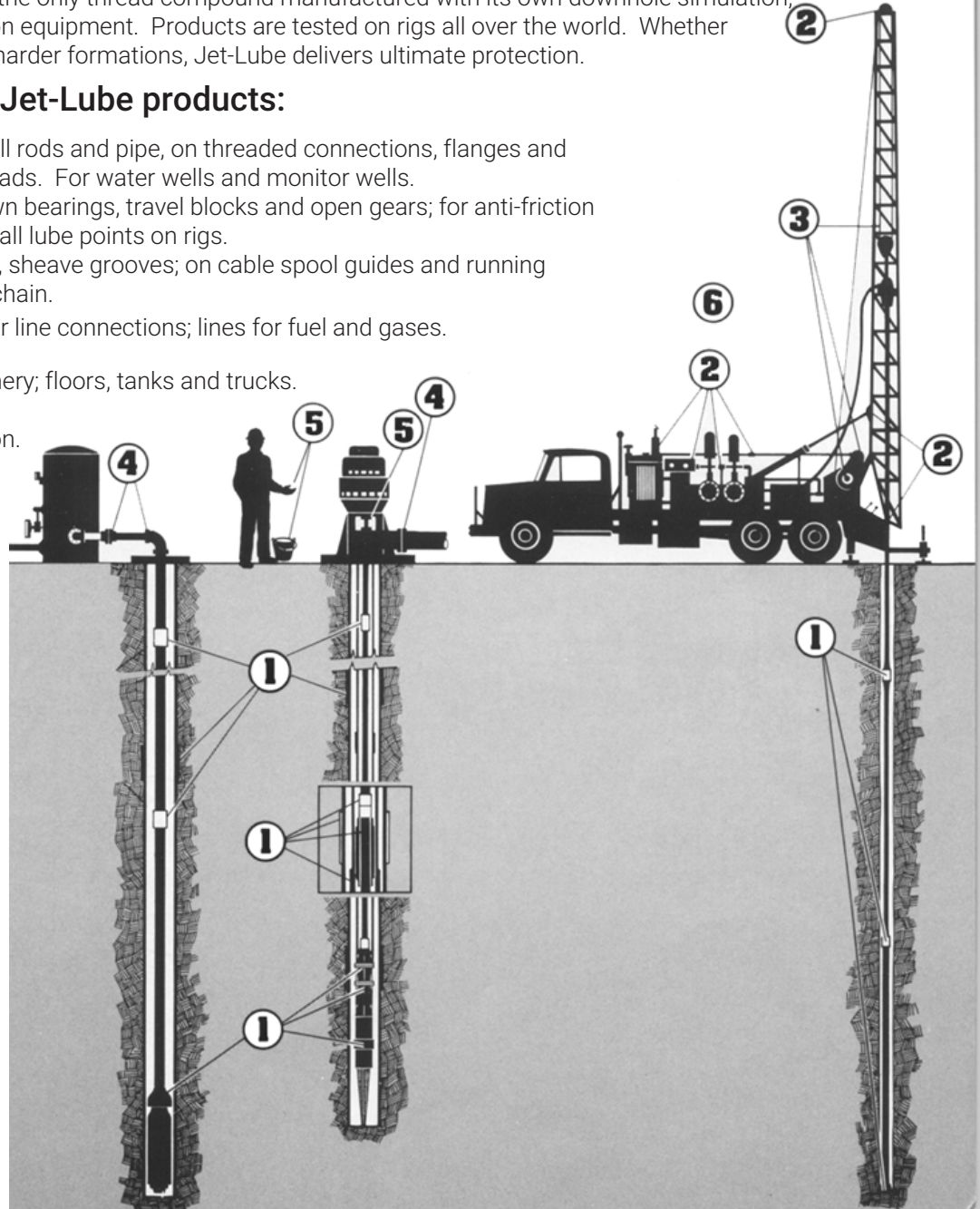
ISO 9001

Water well drillers use Jet-Lube products on pumps, compressors and potable water connections. You name it, there's a Jet-Lube product for it. There's even environmental safe cleaners and degreasers.

Jet-Lube products are tested tough every day. Every product is the result of more than 50 years of testing and research. Jet-Lube is the only thread compound manufactured with its own downhole simulation, testing and certification equipment. Products are tested on rigs all over the world. Whether drilling in soft rock or harder formations, Jet-Lube delivers ultimate protection.

### Where to apply Jet-Lube products:

- ① On tool joints, drill rods and pipe, on threaded connections, flanges and exposed threads. For water wells and monitor wells.
- ② For swivels, crown bearings, travel blocks and open gears; for anti-friction bearings; for all lube points on rigs.
- ③ On cables, ropes, sheave grooves; on cable spool guides and running gears; roller chain.
- ④ For potable water line connections; lines for fuel and gases.
- ⑤ For truck machinery; floors, tanks and trucks.
- ⑥ Jobsite protection.





JL101 Series  
formerly JL100 Series

1

### Kopr-Kote® Heavy Duty Drill Pipe Compound (Lead Free)

A high performance, lead free, copper based thread compound for heavy duty drilling. Protects against seizure, galling and downhole makeup.

ARCTIC grade also available. Temp. rating -65°F to 300°F.



ISO 9001

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL10123	1 gal pail	11 lbs.	1	1	<b>\$446.00</b>
JL10112	2 gal pail	21 lbs.	1	1	826.00
JL10115	5 gal pail	52 lbs.	2	1	1633.03
JL10512	ARCTIC GRADE 2 gal pail	21 lbs.	1	1	754.67
JL10515	ARCTIC GRADE 5 gal pail	52 lbs.	2	1	<b>1802.19</b>



JL110 Series  
formerly JL109 Series

1

### Jet-Lube 21® Intermediate Grade Drill Pipe Compound (Lead Free)

The lead free professional choice for intermediate drilling applications in softer formations. Environmentally safe.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL11023	1 gal pail	10 lbs.	1	1	<b>\$337.19</b>
JL11012	2 gal pail	20 lbs.	1	1	549.40
JL11015	5 gal pail	49 lbs.	2	1	<b>1392.87</b>



JL145 Series



1

### Eco-Safe™ Nonmetallic Thread Compound

Premium quality, nonmetallic thread compound containing carbon based fibers and additives and other extreme pressure and anti-wear additives.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL14523	1 gal pail	12 lbs.	1	1	\$421.93
JL14512	2 gal pail	22 lbs.	1	1	785.63



JL668 Series



1

### Bullseye™ Water Well and Environmental Compound

High purity thread compound designed for sensitive water well and other environmental drilling applications requiring a petroleum hydrocarbon-free product.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL66823	1 gal pail	12 lbs.	1	1	\$ 791.87



JL03 Series

1

### Jet-Lube Dope Brushes

Thread compound dope brushes, taper or bevel style. 1 1/8" x 16". Can be used in 1, 2 or 5 gallon pails.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL03000	1 1/8" x 16" Taper	9 lbs.	1	12	\$ 93.50
JL03500	1 1/8" x 16" Bevel	9 lbs.	1	12	88.86



**JL118 Series**  
formerly JL119 Series

1

### JLS® Economy Grade Drill Pipe Compound (Lead Free)

Economical choice for use only where drilling conditions are least demanding. For use in light to medium drilling in sandy formations. Environmentally safe.

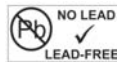


ISO 9001

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL11823	1 gal pail	10 lbs.	1	1	\$289.46
JL11813	2 gal pail	20 lbs.	1	1	608.79
JL11815	5 gal pail	50 lbs.	2	1	1188.54



JL185 Series



1

### Well-Guard® Monitor Well Drill Thread Compound

A thread compound which provides state-of-the-art protection against galling, seizure and thread damage while being in full compliance with all EPA guidelines. Petroleum hydrocarbon-free and brushable to -10°F. Test results available.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL18523	1 gal pail	11 lbs.	1	1	\$1243.42



JL37341

2

### 769 Lubricant® and Penetrant

Heavy duty penetrating lubricant for all environments. When drilling in marshland or near coastlines, protects operating parts against salt corrosion. Frees rusted and frozen parts, displaces moisture, cleans and prevents rust. Non-flammable.

MIL-C-23411A. Federal spec V V-P-216B. USDA-H2

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL37341	12 oz. aerosol	12 lbs.	1	12	\$ 55.08



JL28541

3

### WLD™ Wire Rope, Cable and Roller Chain Dressing and Lubricant

Extend the life of wirelines, ropes, cables, grooves. Specially formulated with molybdenum disulfide and graphite to reduce friction and wear on cable strands. Tacky and adhesive for lasting protection. Penetrates wire strands to lubricate the core, then keeps on working to prevent moisture from corroding the cable. Black

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL28541	12 oz. aerosol	12 lbs.	1	12	\$ 61.07



JL71741

4

### Pitless Adapter Lube™ Assembly Lubricant

Preservative designed to aid in installation of pitless adapters. USDA H-1 authorized. Corrosion preventative contains anti-bacterial/anti-fungal additive.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL71741	12 oz. aerosol	13 lbs.	1	12	\$ 63.23





4

JL355 Series

## V-2® Multi Purpose PTFE Thread Sealant

A soft setting, non-petroleum based thread sealant for use where immediate pressurization is desired. Non-staining, low odor, off white color. Use on all types of metals, reinforced fiberglass and PVC. MIL-TT-S-1732. USDA H-2 Authorized. IAPMO Approved.



ISO 9001

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL35502	1/2 pint brush top can	11 lbs.	1	12	\$ <b>89.86</b>
JL35504	1 pint brush top can	19 lbs.	1	12	114.26



4

JL240 Series

## TFW™ Anti-Sieze Thread Sealant with PTFE

Low friction and non-toxic, TFW is used to prevent thread leaks of almost all fluids, gases or steam, even at temperatures up to 500 F. Can be used on metal, PVC, ABS and CPVC fittings and piping. IAPMO approved.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL24002	1/2 pint brush top can	9 lbs.	1	12	\$ <b>71.24</b>
JL24004	1 pint brush top can	17 lbs.	1	12	98.26



4

JL23023

## TF-15® Thread Sealant with PTFE for fiberglass pipe

High pressure thread sealant containing PTFE and EP additives that allow for easy breakout without seizing, stripping or galling. Highly recommended for use as a sealant on fiberglass tubing and casing threads. Passes California COR Title 22

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL23023	1 gal pail	11 lbs.	1	1	\$ <b>479.09</b>



5

JL72542

## Clean-Up Plus™ Organic Solvent Cleaner

Environmentally safe cleaner and degreaser. Blend of organic solvents, safe non-flammable CO2 propellant. Citrus scent. Residue free product is safe on all metals. 29KV dielectric strength. No Tri 1-1-1. USDA authorized.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL72542	15 oz. aerosol	16 lbs.	1	12	\$ 56.35



5

JL61542

## Clean-Up™ Industrial Cleaner and Safety Solvent

Heavy duty low foaming cleaner/degreaser. Fast working, non-flammable residue free product formulated with an ozone friendly chlorinated solvent. 29 KV dielectric strength. No Tri 1-1-1.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL61542	18 oz. aerosol	15 lbs.	1	12	\$ <b>64.21</b>



5

JL16041

1.102

8/9/24

## Moly Mist™ Dry Film Lubricant

Use to break in equipment and assemble moving parts. Micro-fine molybdenum disulfide suspended in a quick-drying carrier. Bonds to any surface in seconds to provide low coefficient of friction, extended lubrication and improved operation.

Part Number	Net Contents & Container Type	Shipping Weight/Case	Case Equivalents	Case Qty	List Price
JL16041	12 oz. aerosol	13	1	12	\$ 71.55