

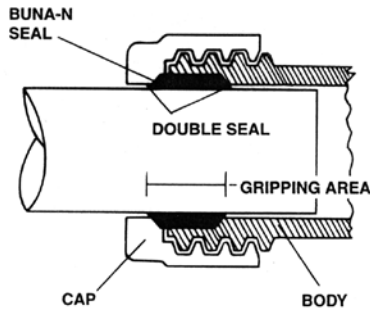
# FLO CONTROL® / NDS® FITTINGS, VALVES & DRAINAGE



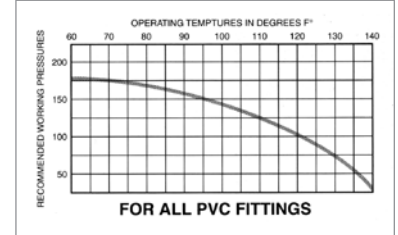
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**STANDARD COMPRESSION**

**PVC Compression Fitting Features:**

- Iron pipe size
- For use with cold water only.
- Buna-N gasket seals
- Rated at 150 PSI static pressure @ 72°F



NEW Part Number	OLD Part Number	IPS Size	Body Length	Ctn Qty	List Price
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**CPC Series IPS**
**NSF/ANSI 61+372**
**UPC**
**PVC IPS Compression Couplings, comp x comp**

CPC0500	110-05	1/2"	4"	28	\$ <b>11.55</b>
CPC0750	110-07	3/4"	4-1/4"	24	<b>15.12</b>
CPC1000	110-10	1"	4-1/2"	15	<b>19.65</b>
CPC1250	110-12	1-1/4"	5"	10	<b>30.17</b>
CPC1500	110-15	1-1/2"	5-1/2"	16	<b>31.15</b>
CPC2000	110-20	2"	6"	12	<b>40.52</b>
CPC2500	110-25	2-1/2"	8"	3	<b>76.19</b>
CPC3000	110-30	3"	9"	3	<b>99.74</b>
CPC4000	110-40	4"	10"	3	<b>164.04</b>
CPC6000	110-60	6"	10"	1	<b>381.04</b>


**CPT-T Series IPS**
**NSF/ANSI 61+372**
**PVC IPS Threaded Tee, comp x comp x fipt**

CPT0500T	120-05	1/2"	4"	24	13.22
CPT0750T	120-07	3/4"	4-1/4"	20	<b>21.67</b>
CPT1000T	120-10	1"	4-1/2"	15	<b>28.66</b>
CPT1250T	120-12	1-1/4"	5"	15	<b>38.22</b>
CPT1500T	120-15	1-1/2"	5-1/2"	12	<b>43.87</b>
CPT2000T	120-20	2"	6"	10	<b>62.51</b>


**CPT-S Series IPS**
**NSF/ANSI 61+372**
**UPC**
**PVC IPS Slip Tees, comp x comp x slip**

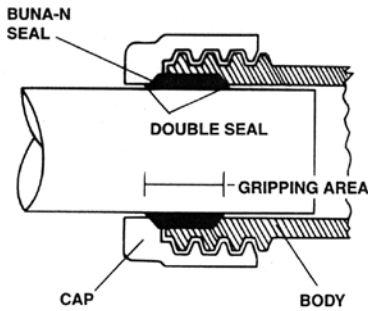
CPT0750S	121-07	3/4"	4-1/4"	20	<b>22.86</b>
CPT1000S	121-10	1"	4-1/2"	15	<b>30.20</b>
CPT1250S	121-12	1-1/4"	5"	15	<b>38.22</b>
CPT1500S	121-15	1-1/2"	5-1/2"	12	<b>43.87</b>
CPT2000S	121-20	2"	6"	10	<b>62.51</b>


**CPA Series IPS**
**NSF/ANSI 61+372**
**UPC**
**PVC IPS Male Adapter, comp x mipt**

CPA0750	130-07	3/4"	2 7/8"	20	\$ <b>12.23</b>
CPA1000	130-10	1"	3 1/8"	30	<b>14.26</b>
CPA1250	130-12	1-1/4"	3 5/16"	20	<b>17.69</b>
CPA1500	130-15	1-1/2"	3 1/2"	16	<b>21.03</b>
CPA2000	130-20	2"	3 3/4"	12	<b>27.83</b>

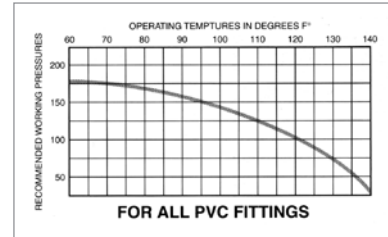


## STANDARD COMPRESSION



## PVC Compression Fitting Features:

- Iron pipe size
- For use with cold water only.
- Buna-N gasket seals
- Rated at 150 PSI static pressure @ 72°F



CCC Series CTS

NSF/ANSI 61+372

NEW Part Number	Previous Part Number	CTS Size	Body Length	Ctn Qty	List Price
<b>PVC CTS Compression Coupling, comp x comp</b>					
CCC0500	210-05	1/2"	4"	25	\$ 22.48
CCC0750	210-07	3/4"	4"	28	26.65
CCC1000	210-10	1"	4-1/4"	24	28.04



CCT Series CTS

NSF/ANSI 61+372

<b>PVC CTS Threaded Tee, comp x comp x fipt</b>					
CCT0750	220-07	3/4"	4"	24	27.61
CCT2000	220-20	2"	6"	10	42.76

## TECHNICAL DATA FOR ALL FLO CONTROL FITTINGS & VALVES

**1. PVC MATERIAL SPECIFICATION:** PVC Type I, Grade I, Cell class 12454-B meeting requirements of ASTM D-1784-75 is used in the manufacturing of all fittings recommended for use of potable cold water (see temperature vs. pressure chart). Not recommended for use on systems exceeding 100 psi @ 120°F.

**2. CPVC MATERIAL SPECIFICATION:** CPVC Type IV, Grade I, cell Class 23447-B meeting requirements of ASTM D-1784-75 is used in the manufacturing of all fittings recommended for use on potable hot water systems in accordance with ASTM D-2846-73. Not recommended for use on systems that will exceed 100 psi @ 180°F.

**3. BUNA-N SEALS:** The gasket seal material is made of high quality Buna-N elastomeric compound which meets the requirements of ASTM D-2000. It is generally resistant to many hydrocarbons, fats, oils, greases, hydraulic fluids and chemicals. It is generally attacked by Ozone, Ketones, Esters, Aldehydes, chlorinated and nitro hydrocarbons. Reference chemical resistance under NBR (Nitrile) elastomers for specific listings.

**4. EPDM O-RINGS:** The o-ring material is made of high quality EPDM (Ethylene Propylene Copolymer) which meets the requirements of ASTM D-2000. EPDM has exceptionally good weather aging and ozone resistance, excellent water and chemical resistance and excellent aging resistance for most applications. EPDM is a polymer where oil and solvent resistance is poor. However, it is fairly good in ketones and alcohols. Reference chemical

resistance under EPDM, EPT or EPR Elastomers for specific listings.

**5. DOUBLE SEAL** of standard compression fittings. A compressive action is created as the cap is tightened squeezing the Buna-N seals into the tapered recessed areas of the cap and body. This process creates a highly concentrated pressure at the two "double seal" points, thus providing positive protection against leakage.

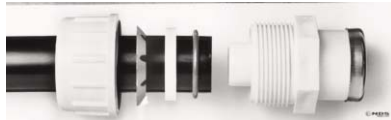
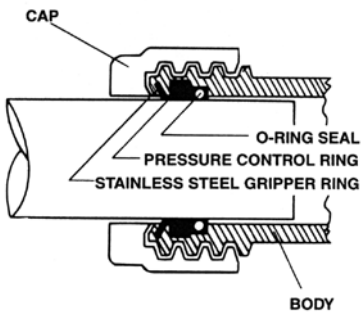
**6. COMPRESSION CONNECTIONS:** Compression cap should be drawn up hand tight to insure proper alignment and seating of gasket, then tighten 3/4 to 1 turn with a Flo Spanner Wrench of strap wrench. Average torque should be approximately 25 foot pounds on 1/2" through 2" IPS and 35 foot pounds on 2 1/2" and larger. Compression fittings are not recommended for use on compressed air lines or natural gas lines.

**7. THREAD CONNECTIONS:** Use PTFE thread seal tape on all IPS thread connections. IPS thread connections should be made hand tight plus 1/2 to 3/4 turn with a wrench.

**8. THRUST BLOCKING:** When installing the standard compression seal fittings the pipe line must be restrained from lateral movement by thorough soil compaction on straight runs and thrust blocking at change of direction or reduction in size. Not recommended for use on pipe lines suspended on hangers.

**9. FLO LOCK COMPRESSION ADAPTERS:** Recommended for use on PVC pipe with wall thickness of SDR-26, Class 160 or greater and copper tubing. Not recommended for use on galvanized pipe unless surface is sanded smooth. The gripper ring is made of stainless steel.

**10. ALL SPRINGS** made of Series 300 stainless steel.

**FLO-LOCK COMPRESSION**

**PVC/CPVC Flo-Lock Fitting Features:**

- Iron pipe and copper tube size
- For cold (PVC) or hot (CPVC) water use.
- Built in stiffener to insure grip.
- EPDM o-ring seal
- PVC ring for controlling o-ring pressure.
- Stainless steel gripping ring prevents pull-out.
- Rated at 160 psi static pressure @ 72°F.


**135 Series IPS**

 NSF/ANSI  
61+372

UPC


**136 Series IPS**

 NSF/ANSI  
61+372

**235 Series CTS**

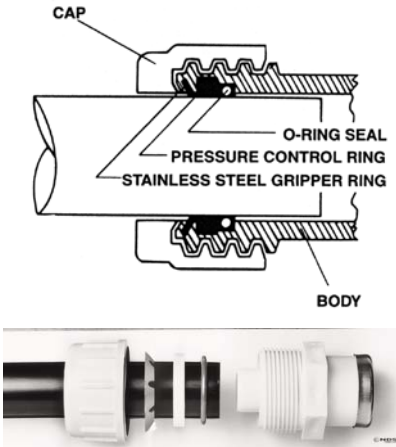
 NSF/ANSI  
61+372

 UPC  
\* No UPC

Part Number	IPS Size	IPS Connection	Ctn Qty	List Price
<b>PVC IPS Male Adapter with Flo-Lock, flo lock x mipt</b>				
135-05	1/2"	1/2" mipt	25	\$ <b>21.47</b>
135-07	3/4"	3/4" mipt	20	<b>26.98</b>
135-10	1"	1" mipt	30	<b>32.14</b>
135-12	1-1/4"	1-1/4" mipt	20	<b>43.25</b>
135-15	1-1/2"	1-1/2" mipt	16	<b>52.20</b>
135-20	2"	2" mipt	12	<b>67.70</b>

<b>PVC IPS Female Adapter with Flo-Lock, flo lock x fipt</b>				
136-05	1/2"	1/2" fipt	25	<b>26.48</b>
136-07	3/4"	3/4" fipt	20	<b>32.47</b>
136-10	1"	1" fipt	14	<b>37.79</b>

Part Number	CTS Size	IPS Connection	Ctn Qty	List Price
<b>PVC CTS Male Adapter with Flo-Lock, flo lock x mipt</b>				
235-05	1/2"	1/2" mipt	50	\$ <b>25.89</b>
235-10	1"	1" mipt	18	<b>28.07</b>
235-20 *	2"	2" mipt	12	<b>58.55</b>


**FLO-LOCK COMPRESSION**

**PVC Flo-Lock Series 700 Features:**

- For water service line installations.
- Use on polyethylene pipe - tube size SDR-9, ASTM 2737.
- Reliable connections for polyethylene or copper tube.
- PVC type I material - 160 psi at 72°F.
- Dry pull test exceeds 400 psi.
- Quick burst test exceeds 600 psi.
- Stainless steel band to reinforce female thread.
- Not for use with compressed air or natural gas lines.



Series 700 Fittings for:  
Polyethylene tubing SDR-9 CTS - OD -  
ASTM-2666 & ASTM-2737 dimensions.

Tubing Size	Nominal OD	Nominal ID	Pressure Rating - PSI
3/4"	0.875	0.675	160
1"	1.125	0.865	160
1 1/4"	1.375	1.059	160
1 1/2"	1.625	1.253	160
2"	2.125	1.629	160

**IAPMO LISTED:** Listed by the International Association of Plumbing and Mechanical Officials Research Committee as meeting the requirements set forth by the Uniform Plumbing Code for potable water systems. \* Female threaded fittings are no longer IAPMO approved.



**NSF LISTED SE-14: ALL**  
Compression fittings are listed by the National Sanitation Foundation as acceptable for use with potable water.

Part Number	Tube Size	Description	Length	Ctn Qty	List Price
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**710 Series**

 NSF/ANSI 61+372  
UPC

**PVC Couplings, ts x ts**

710-07	3/4"	3/4" x 3/4"	4"	35	\$ <b>51.15</b>
710-10	1"	1" x 1"	4"	24	<b>60.48</b>
710-17	1"	SDR9 x 3/4" SDR11	4"	36	<b>74.42</b>
710-12	1 1/4"	1 1/4" x 1 1/4"	4 1/2"	15	<b>95.13</b>
710-15 ☺	1 1/2"	1 1/2" X 1 1/2"	5"	15	<b>108.30</b>
710-20 ☺	2"	2" x 2"	5"	12	<b>145.32</b>


**730 Series**

 NSF/ANSI 61+372  
UPC

**PVC Male Adapters, mipt x ts**

730-07	3/4"	3/4" x 3/4"	2 5/8"	25	<b>32.14</b>
730-10	1"	1" x 1"	2 7/8"	18	<b>39.37</b>
730-15	1 1/2"	1 1/2" x 1 1/2"	3 1/2"	18	<b>71.99</b>
730-20 ☺	2"	2" x 2"	3 1/2"	12	<b>116.10</b>
730-71	3/4" x 1"	3/4" x 1"	2 7/8"	18	<b>39.63</b>


**731 Series**

NSF/ANSI 61+372

**PVC Female Adapters, fipt x ts**

731-07	3/4"	3/4" x 3/4"	2 5/8"	25	<b>35.81</b>
731-10	1"	1" x 1"	2 7/8"	15	<b>53.72</b>
731-12	1 1/4"	1 1/4" x 1 1/4"	2 7/8"	12	<b>70.45</b>
731-15	1 1/2"	1 1/2" x 1 1/2"	3 1/2"	18	<b>82.41</b>
731-20 ☺	2"	2" x 2"	4"	12	<b>121.76</b>
731-71	3/4" x 1"	3/4" x 1"	2 7/8"	15	<b>51.62</b>


**733 Series**

 NSF/ANSI 61+372  
UPC

**PVC Spigot Adapters, ips spigot x ts, (For use with Sch 40 PVC tees, ells)**

733-07	3/4"	3/4" x 3/4"	2 7/8"	18	<b>30.76</b>
733-10	1"	1" x 1"	2 7/8"	18	<b>32.14</b>
733-12	1 1/4"	1 1/4" x 1 1/4"	2 7/8"	12	<b>59.23</b>
733-15	1 1/2"	1 1/2" x 1 1/2"	3 1/2"	18	<b>68.54</b>
733-20 ☺	2"	2" x 2"	3 1/2"	12	<b>109.75</b>
733-71	3/4" x 1"	3/4" x 1"	3 1/2"	18	<b>30.76</b>

☺ Insert stiffener supplied must be used with this fitting



118 Series



NSF/ANSI  
14

## Pro-Span™ Expandable Repair Coupling

### Features:

- Double EPDM o-ring seal gives more protection from possible leakage due to deflection of piston in the extended position.
- EPDM o-ring seal also protects against contamination on the cylinder wall.
- Solvent cement trap located in cap to capture excess solvent cement.
- Made from PVC type I grade I material meeting ASTM D-1784
- 118 Series does not have union end.

### NEW

Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>PVC Flo-Span Expansion Couplings - NO UNION S x SPG</b>				
118-05	1/2"	7 1/2"	28	\$ <b>13.48</b>
118-07	3/4"	7 3/4"	24	<b>14.91</b>
118-10	1"	9 1/2"	15	<b>17.28</b>
118-12	1-1/4"	10 3/4"	10	<b>32.52</b>
118-15	1-1/2"	12 3/4"	16	<b>35.66</b>
118-20	2"	13 1/2"	12	<b>54.51</b>
118-25	2-1/2"	18 3/4"	3	<b>84.70</b>
118-30	3"	21"	3	<b>105.80</b>
118-40	4"	22 3/4"	3	<b>185.00</b>
QF-6000	6" S x S	26 1/4"	1	<b>688.34</b>



SW Series

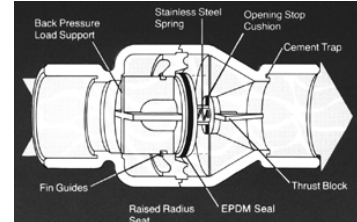
Part Number	For Use with Coupling Sizes	Ctn Qty	List Price
<b>Adjustable Strap Wrench</b>			
SW400	1/2" through 4"	60	\$ 27.74
SW600	1/2" through 6"	60	41.89





## PVC Spring Check Valve Features:

- To stop backflow and syphoning.
- All water applications.
- Maintenance free operation.
- Tapered valve body design & enlarged valve chamber reduces chatter & turbulence.
- Raised radius valve seat, EPDM Seal for positive seal.
- Stainless steel spring load of 1/2 lb. or 2 lb.
- Solvent weld or male and female thread connections.
- 200 P.S.I. static pressure rating @ 72° F.
- Excess solvent cement trap - Designed to help prevent excess cement or softened material from entering into the body and sealing area during installation.
- NSF/ANSI 61+372.



1001, 1011, 1012  
Series

NSF/ANSI  
61+372

Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>PVC Spring Check Valves (fip x fip)</b>				<b>Spring Tension 1/2 lb</b>
1001-05	1/2"	4-1/8"	20	\$ <b>38.28</b>
1001-07	3/4"	4-1/8"	20	<b>39.75</b>
1001-10	1"	5-1/4"	20	<b>56.91</b>
1001-12	1-1/4"	6-3/16"	15	<b>76.79</b>
1001-15	1-1/2"	6-3/16"	15	<b>81.86</b>
1001-20	2"	7"	10	<b>117.84</b>



1011C Series

NSF/ANSI  
61+372

Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>PVC Spring Check Valves (slip x slip)</b>				<b>Spring Tension 1/2 lb</b>
1011-05	1/2"	4-1/8"	20	<b>38.41</b>
1011-07	3/4"	4-1/8"	20	<b>42.10</b>
1011-10	1"	5-1/4"	20	<b>58.12</b>
1011-12	1-1/4"	6-3/16"	15	<b>76.79</b>
1011-15	1-1/2"	6-3/16"	15	<b>81.86</b>
1011-20	2"	7"	10	<b>117.76</b>
1011-30	3"		8	<b>212.04</b>
<b>Clear</b>				
1011C-20	2"	7"	10	<b>137.44</b>

NSF/ANSI  
61+372

Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>PVC Spring Check Valve, (slip x slip)</b>				<b>Spring Tension 2 lbs.</b>
1012-10	1"		20	<b>59.28</b>
1012-12	1-1/4"		15	<b>79.30</b>
1012-15	1-1/2"		15	<b>84.51</b>
1012-20	2"		10	<b>121.63</b>



1800 Series (hex and round)

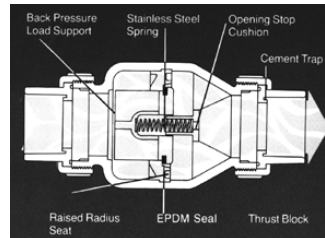
Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>Foot Valve Screen (polyethylene, 100 mesh)</b>				
1800-10	1" round style	2-4/5"	1	<b>8.16</b>
1800-12	1-1/4" hex style	3"	1	<b>11.88</b>
1800-15	1-1/2" round style	3-2/5"	1	<b>14.11</b>
1800-20	2" round style	3-4/5"	1	<b>15.44</b>



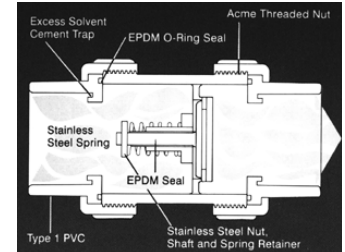


## PVC True Union Spring Check Valve Features:

- Designed for easy body removal.
- Tail pieces remain in place.
- 1/2 lb. psi spring tension. 2 lb. spring tension available by special order.
- EPDM seal and o-rings.
- 200 P.S.I. static pressure rating @ 72° F.
- Stainless steel spring.
- Excess solvent cement trap.
- NSF/ANSI 61+372.



1700 Series



1790 Series



1700 Series

NSF/ANSI  
61+372

Part Number	Description	Body Length	Ctn Qty	List Price
<b>True Union Spring Check Valves – WHITE</b>				<b>1/2# Spring Tension</b>
1700-15	1 1/2" spring check	8.345"	12	\$ <b>96.77</b>
1700-20	2" spring check	9.735"	12	<b>135.75</b>



1700C Series

NSF/ANSI  
61+372

<b>True Union Spring Check Valves – CLEAR</b>				<b>1/2# Spring Tension</b>
1700C-15	1 1/2" spring check	8.345"	12	<b>117.99</b>
1700C-20	2" spring check	9.735"	12	<b>161.53</b>



1790 Series

NSF/ANSI  
61+372

<b>Compact True Union Spring Check Valves - WHITE</b>				<b>1/2# Spring Tension</b>
1790-15	1 1/2" compact valve	6.54"	15	<b>95.54</b>
1790-20	2" compact valve	7.35"	10	<b>120.62</b>



1790C Series

NSF/ANSI  
61+372

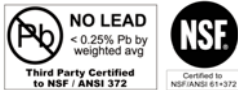
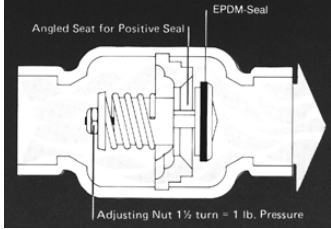
<b>Compact True Union Spring Check Valves - CLEAR</b>				<b>1/2# Spring Tension</b>
1790C-15	1 1/2" compact valve	6.54"	15	<b>104.02</b>
1790C-20	2" compact valve	7.35"	10	<b>141.63</b>

# Check Valves - Flo Control



## PVC Adjustable Spring Check Valve Features:

- Use to restrain pressure in elevated pipelines.
- Ideal for preventing syphoning.
- Male or female threaded connection.
- 200 psi static pressure rating @ 72°F.
- Adjustable from 5 lb to 15 lb spring tension to retain a column of water 12 to 36 foot head.
- EPDM seal.
- NSF/ANSI 61+372.



1205 Series

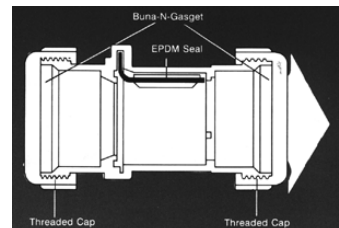
NSF/ANSI 61+372

Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>PVC Adjustable Spring Check Valves (fipft x fipft)</b>				<b>Spring Tension 5 lb*</b>
1205-05	1/2"	4-1/8"	20	\$ <b>44.15</b>
1205-07	3/4"	4-1/8"	20	<b>46.88</b>
1205-10	1"	5-1/4"	20	<b>61.25</b>
1205-15	1-1/2"	6-3/16"	15	<b>83.52</b>

\* 1 1/2 turn = 1 lb. force

## PVC SUMP CHECK Valve Features:

- Positive seal with long lasting EPDM weighted flapper and Buna-N gaskets.
- Easy installation and removal with compression seal connections. No hose clamps, cementing or threading necessary
- Allows 1 3/4" vertical movement of discharge pipe for easy removal of pump.
- Unitized body construction using spin welded process with permanent interlock of Buna-N flapper.
- Valve fits either 1 1/4" or 1 1/2" IPS size. Gaskets for both provided with each valve.
- Sump pumps with larger volume output use 1500 or 1520 series swing check. (see next page)
- Rated at 125 psi @ 72°F.

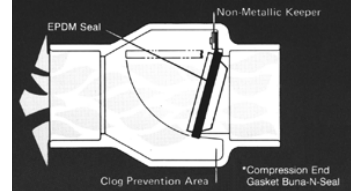


SUMP CHECK

Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>PVC Sump Check Valve</b>				
BUNA-N gaskets are included for both the 1 1/4" and 1 1/2" applications				
SUMP CHECK	1-1/4"-1-1/2"	5 1/4"	12	\$ <b>57.12</b>

## PVC Swing Check Valve Features:

- No metallic parts, corrosion resistant..
- Full flow design.
- Angle seat and weighted flapper designed for low pressure seal.
- PVC weighted and shielded flapper will retain backpressure up to 125 psi.
- Iron pipe sized 1/2" - 4".
- Compression style for IPS sized plastic or metal pipe 1 1/4" - 3"
- Ideal for close working areas, easy pipe alignment.
- Compression ends can be used as union connections.
- Designed for both horizontal and vertical use.
- Pressure rated 125 psi @ 72°F.
- NSF/ANSI 61+372.



1500 Series

NSF/ANSI  
61+372

Part Number	IPS Size	Body Length	Ctn Qty	List Price
<b>PVC Swing Check Valve - WHITE comp x comp</b>				
1500-12	1-1/4"	7-1/2"	12	\$ <b>84.96</b>
1500-15	1-1/2"	7-1/2"	12	<b>89.73</b>
1500-20	2"	9-3/4"	12	<b>126.22</b>
1500-30	3"	14"	2	<b>342.02</b>

### PVC Swing Check Valve - CLEAR comp x comp

1500C-15	1-1/2"	7-1/2"	5	<b>110.70</b>
1500C-20	2"	9-3/4"	8	<b>164.08</b>

1520 Series



NSF/ANSI  
61+372

### PVC Swing Check Valve - WHITE slip x slip

1520-05	1/2"	4-1/2"	25	<b>54.79</b>
1520-07	3/4"	4-1/2"	25	<b>55.79</b>
1520-10	1"	5-1/8"	25	<b>57.79</b>
1520-12	1-1/4"	5-1/4"	12	<b>61.46</b>
1520-15	1-1/2"	5-3/4"	12	<b>63.40</b>
1520-20	2"	6"	12	<b>96.89</b>
1520-30	3"	9"	4	<b>174.37</b>
1520-40	4"	9-1/2"	4	<b>244.09</b>

1520C Series

NSF/ANSI  
61+372

### PVC Swing Check Valve - CLEAR slip x slip

1520C-10	1"	5-1/8"	1	<b>79.55</b>
1520C-12	1-1/4"	5 1/4"	1	<b>84.62</b>
1520C-15	1-1/2"	5 3/4"	12	<b>90.90</b>
1520C-20	2"	6"	12	<b>131.06</b>

1720 Series



NSF/ANSI  
61+372

### True Union Swing Check Valves - WHITE slip x slip

1720-15	1 1/2"		12	<b>69.40</b>
1720-20	2"		12	<b>101.39</b>

1720C Series

NSF/ANSI  
61+372

### True Union Swing Check Valves - CLEAR BODY, WHITE NUTS/TAILS slip x slip

1720C-10	1"		20	<b>78.71</b>
1720C-15	1 1/2"		12	<b>99.93</b>
1720C-20	2"		12	<b>136.19</b>
1720C-30	3"		20	<b>270.10</b>

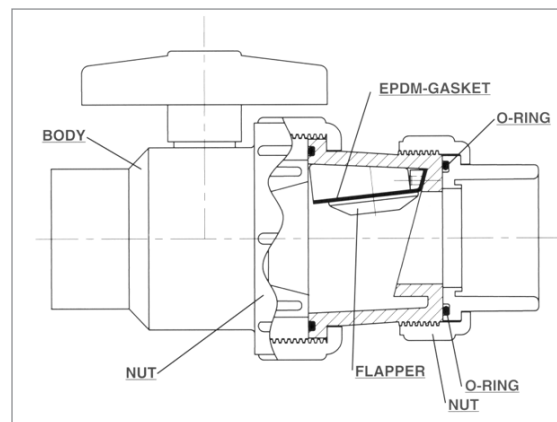


2200 Series



## 2200 Series Checkmate Features:

- One piece ball/check valve combination.
- Save time, labor and hassle to applications requiring in-line ball valves and check valves.
- True union or compression design allows for removal of check valve for cleaning or repairs.
- May be installed in vertical or horizontal position.
- Made of PVC type 1 grade 1 material meeting ASTM-D1784.
- Rated at 125 PSI static pressure @ 72°F



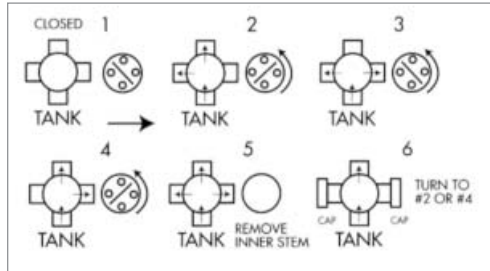
Part Number	Description	Ctn Qty	List Price
2200-15	1 1/2" Union x Slip	12	\$ <b>109.26</b>
2200-20	2" Union x Slip	12	<b>174.38</b>
2200-15TU	1 1/2" Union x Union	12	<b>144.80</b>
2200-20TU	2" Union x Union	12	<b>195.68</b>
2200-15UC	1 1/2" Compression x Compression	12	<b>139.32</b>
2200-20UC	2" Compression x Compression	12	<b>176.71</b>



575 Series

### Diverter Valve Features:

- For septic tank leach fields.
- Made of tough molded plastic that will not shatter, bend, rust or corrode.
- Light in weight, easier to handle and less expensive to ship.
- Stem flow may be controlled to individual or up to 3 fields in any combination. With a 3-way stem, flow may be diverted to any two outlets. To allow flow through all outlets, the valve stem may be removed from the assembly.
- ABS is IAPMO listed.



Part Number	Description	Ctn Qty	List Price
575	4" ABS Diverter Valve, Black	4	\$ <b>455.37</b>
575P	4" PVC Diverter Valve, White	4	<b>450.48</b>



1600 Series

### Schedule 40 White Unions Features:

- Slip x slip
- Made in USA.



Part Number	IPS Size	Ctn Qty	List Price
<b>SCHEDULE 40 UNIONS SLIP X SLIP</b>			
1600-15	1 1/2" Socket both ends, 2" spigot one end	24	\$ <b>39.25</b>
1600-20	2" Socket both ends, 2 1/2" spigot one end	20	<b>54.27</b>



1350 Series

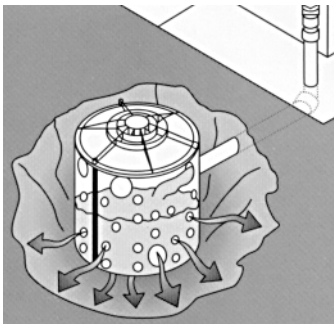
### PVC Single Union Ball Valve Features:

- PVC Type 1 construction for compatibility in joining rigid PVC and flex vinyl pipes.
- **Buna "N" O-Ring seal; HDPE seats.**
- 1-1/4 deep sockets on both ends for extra cementing surface area.
- Tee handle for quarter turn on/off with stops.
- Working pressure: 150 PSI at 72°F.
- Threaded or socket.



Part Number	Threaded/Socket	Size	Ctn Qty	List Price
1350-15	Socket	1-1/2"	12	\$ 65.51





## Flo-Well Storm Water Leaching System

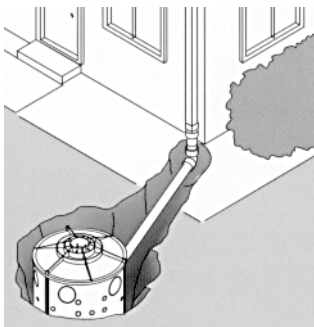
- Discharge water into the subsoil rapidly and easily.
- No need for piping systems to transport stormwater to a far-off point, large heavy equipment, considerable excavation of current landscape areas or large labor costs that those systems incur.

### Materials:

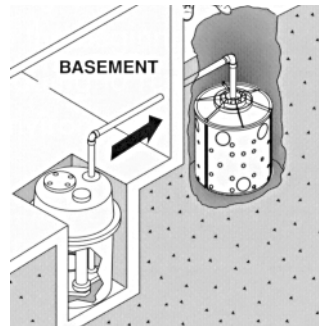
- Structural foam polyolefin with UV inhibitors.

### Applications:

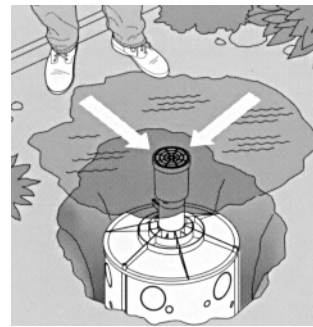
Flo-Well systems should be placed at least 10 feet from a structure or foundation.



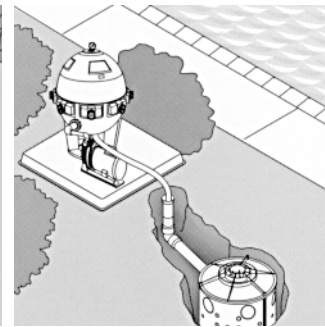
For gutters & downspouts



For sump pumps

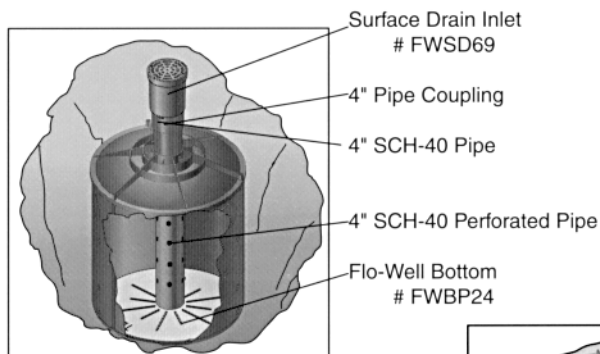


For low grade areas

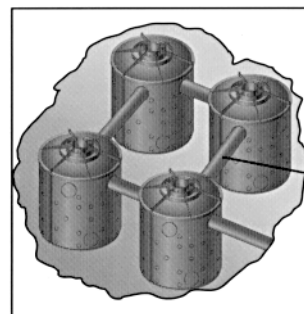


For pool backwash tanks

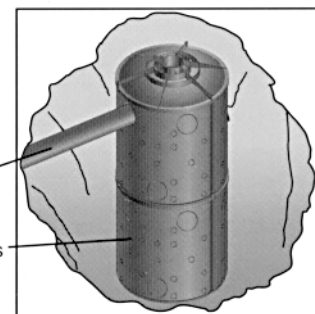
### Options



For additional support

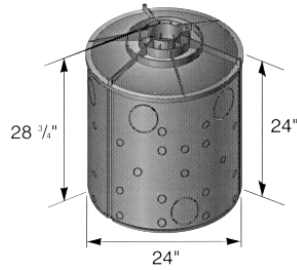


Can be connected



Can be stacked

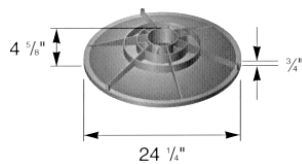
4" SCH-40 Pipe  
Flo-Well Side Panels #FWSPS3



### Flo-Well Storm water leaching system

- Includes 3 side panels, 1 top component
- 18 - 1 1/2" knockout leaching ports and 3 - 4 1/2" knockout inlet/outlet ports per panel.
- 49 gal capacity
- Fits 4" Sch 40 pipe and 4" DWV pipe

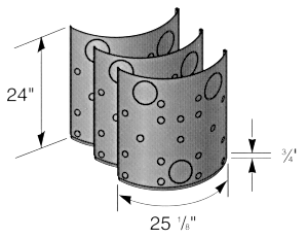
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
FWAS24	24 x 28 3/4" round system	Black	25.15	1	\$ <b>381.50</b>



### Flo-Well Cover

- Fits FWAS24 and FWSPS3

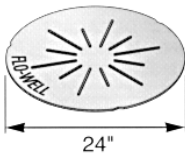
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
FWAS24C	24" dia cover	Black	8.0	2	<b>213.59</b>



### Flo-Well Side Panels/ Extension Only

- Includes 3 side panels, 24" high, with 3/4" lip for stacking.
- Fits FWAS24
- 18 - 1 1/2" knockout leaching ports and 3 - 4 1/2" knockout inlet/outlet ports per panel.

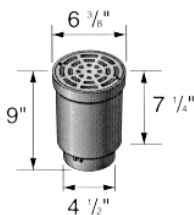
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
FWSPS3	side panels	Black	5.0	1	<b>481.02</b>



### Flo-Well Bottom

- Six 1 1/2" leaching ports
- Fits FWAS24

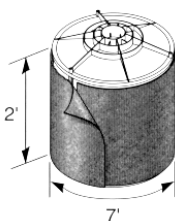
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
FWBP24	24" dia bottom	Black	3.5	5	<b>153.58</b>



### Flo-Well Surface Drain Inlet with Grate

- 6" grate with 4" inlet.
- Fits FWAS24 and FWFAS24C, PVC Sch 40 fittings

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
FWSD69	4" Sch 40 Inlet	Black	1.85	8	158.47



### Porus Filter Fabric Wrap for FloWell

- 7' long x 2' wide to surround drywell system
- Non woven fabric
- Weight 1 oz. Mullen burst 175 psi, 200 gpm flow through.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
FWFF67	7' x 2' Porus Filter Fabric Wrap	Black	0.35	20	<b>42.16</b>

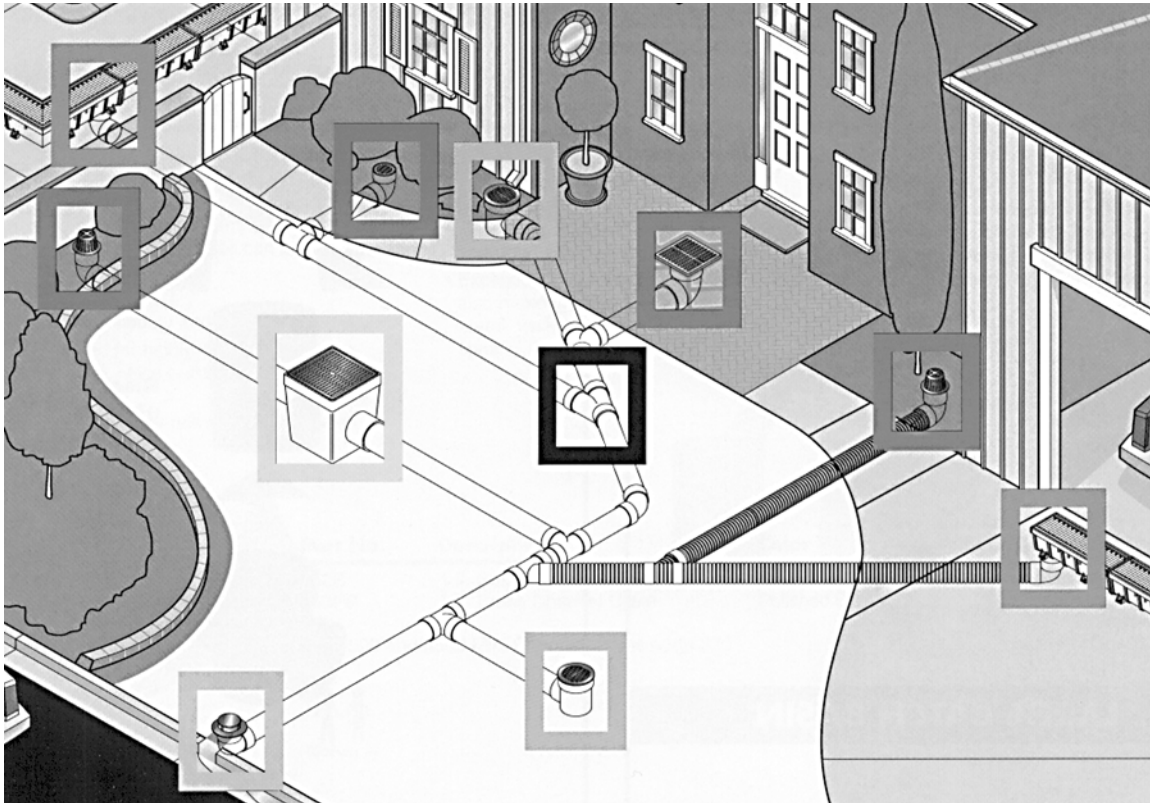


## Catch Basin & Grate Features:

- Eliminates standing water and flooding on paved areas and lawns.
- Easy to install, sized to fit your project with catch basins from 6" to 24" and grates from 2" to 24".
- Prohibits structural damage to building foundations.
- Choose from a wide variety of products to fit every need.

## Materials and Standards:

- Ultraviolet-resistant one piece injection-molded structural foam polyolefin for maximum strength.
- Installed properly, some plastic grates are suitable for light vehicular traffic. Standards vary per product. See individual product section for details.



### Sewer & Drain Fittings

for piping systems and downspouts.



### Channel Drains

for driveways, pools, spas, patios, sidewalks and wash-down areas.



### Large Catch Basins

for large lawn or landscape areas, residential driveways and garages.



### Small Catch Basins

for lawn and landscape areas.



### Small Grates

for small lawn and landscape areas, patios and atriums.

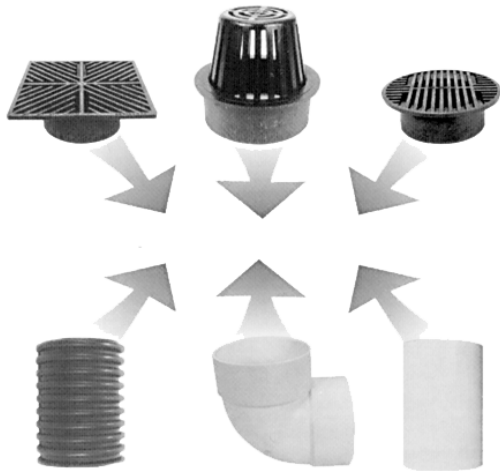


### Pop-up Emitters

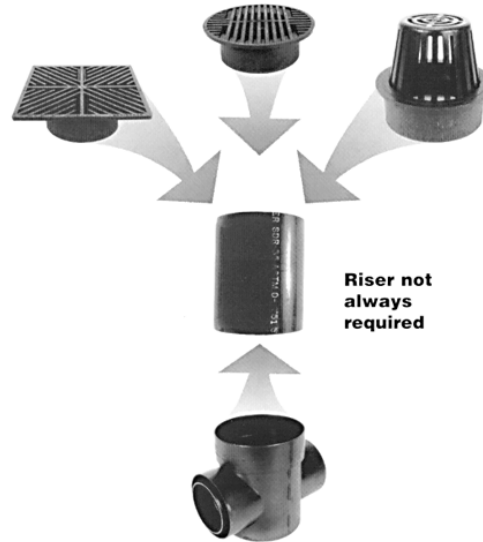
for discharging water on the surface.

Flexible by Design

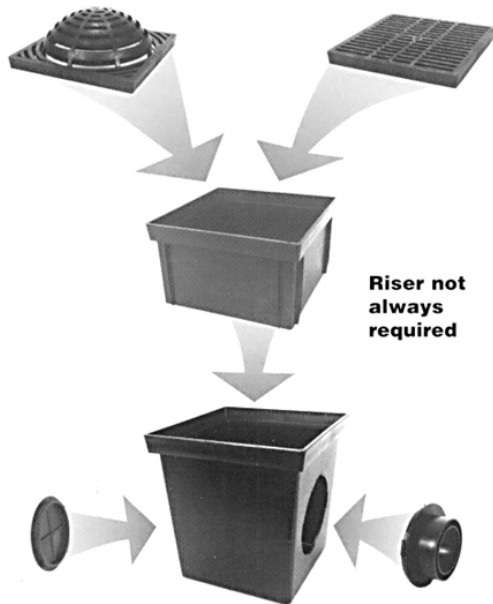
## SMALL GRATES



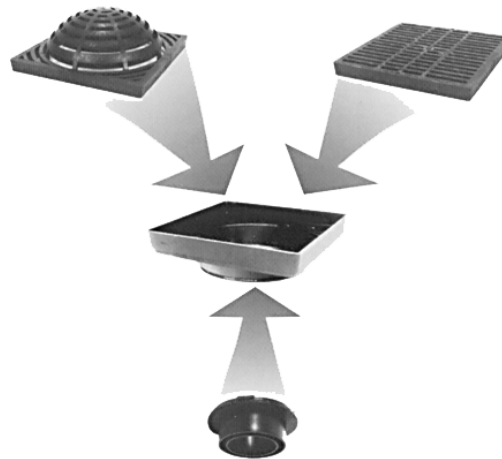
## SPEE-D BASIN



## LARGE CATCH BASIN



## ADAPTER



### Load Recommendations:



#### Class A

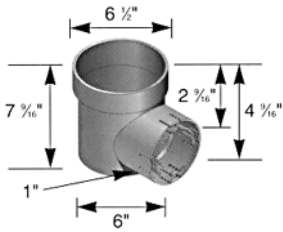
- Loads of 1-60 psi.
- Recommended for pedestrians, bicycles and wheel chair traffic.



#### Class B

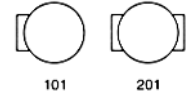
- Loads of 61-175 psi.
- Recommended for medium-duty pneumatic tire traffic, autos and light trucks at speeds less than 20 mph.

# Spee-D Basins / Round Grates

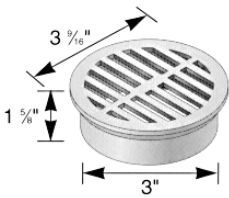


### 6" Spee-D Basin with 3" and 4" Locking Outlet

- Locking outlet snaps on to most 3" and 4" corrugated pipe.
- Outlets fit 3" or 4" sewer & drain pipe, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
101	1 - 3" and 4" locking outlet	Black	1.60	10	\$ <b>47.21</b>
201	2 - 3" and 4" locking outlets	Black	1.90	10	<b>47.21</b>

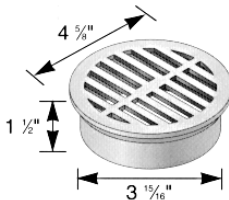


### 3" Round Grate

- 3" round structural foam polyolefin grate with UV inhibitor.
- Open surface area 2.6 sq. in.. 3.41 gpm
- 3/16" grate opening.
- Fits 3" sewer and drain pipe and fittings, corrugated pipe and triple wall pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
14	3" round grate	Black	0.15	40	\$ <b>9.65</b>
16	3" round grate	Green	0.15	40	<b>9.65</b>

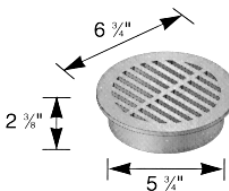


### 4" Round Grate

- 4" round structural foam polyolefin grate with UV inhibitor.
- Open surface area 3.85 sq. in.. 5.04 gpm
- 1/4" grate opening.
- Fits 4" sewer and drain pipe and fittings, corrugated pipe and triple wall pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
11	4" round grate	Black	0.20	25	\$ <b>10.16</b>
13	4" round grate	Green	0.20	25	<b>10.16</b>



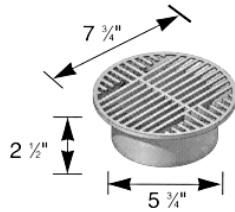
### 6" Round Grate

- 6" round structural foam polyolefin grate with UV inhibitor.
- Open surface area 9.10 sq. in.. 11.92 gpm
- 1/4" grate opening.
- Fits Spee-D basin, 6" sewer and drain pipe and fittings, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
40	6" round grate	Black	0.80	10	\$ <b>28.31</b>
50	6" round grate	Green	0.80	10	<b>27.70</b>
60	6" round grate	Gray	0.80	10	<b>28.25</b>

AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.

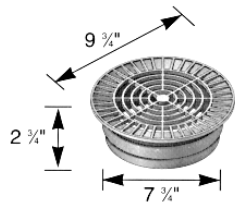


## 8" Round Grate

- 8" round structural foam polyolefin grate with UV inhibitor.
- Open surface area 11.50 sq. in.. 15.07 gpm
- 5/16" grate opening.
- Fits Spee-D basin, 6" sewer and drain pipe and fittings, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
10	8" round grate	Black	0.80	10	\$ <b>34.82</b>
20	8" round grate	Green	0.80	10	<b>35.52</b>
30	8" round grate	Gray	0.80	10	<b>37.07</b>

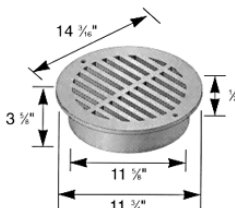


## 10" Round Grate

- 10" round structural foam polyolefin grate with UV inhibitor.
- Open surface area 17.46 sq. in.. 22.87 gpm
- 5/16" grate opening.
- Fits 8" sewer and drain pipe and fittings, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1040	10" round grate	Black	1.50	10	\$ <b>28.87</b>
1050	10" round grate	Green	1.50	10	<b>59.43</b>

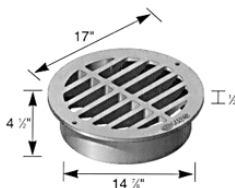


## 12" Round Grate

- 12" round structural foam polyolefin grate with UV inhibitor.
- Open surface area 46.00 sq. in.. 60.26 gpm
- 9/16" grate opening.
- Fits 12" sewer and drain pipe, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1240	12" round grate	Black	3.35	6	\$ <b>184.00</b>
1250	12" round grate	Green	3.35	6	<b>184.00</b>



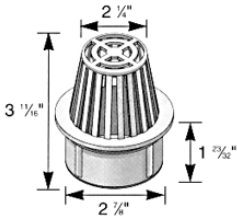
## 15" Round Grate

- 15" round structural foam polyolefin grate with UV inhibitor.
- Open surface area 85.60 sq. in.. 112.14 gpm
- 1 1/4" grate opening.
- Fits 15" sewer and drain pipe and fittings, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1511	15" round grate	Black	6.15	1	\$ <b>354.88</b>
1512	15" round grate	Green	6.15	1	<b>354.88</b>

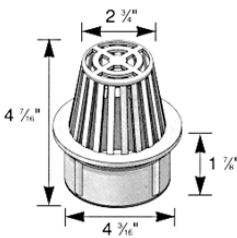
AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.



### 3" Atrium Grate

- 3" Flat top structural foam polyolefin atrium grate with UV inhibitor.
- Open surface area 9.5 sq. in.. 12.45 gpm
- 1/4" grate opening.
- Fits 3" sewer and drain pipe and fittings, corrugated pipe and triple wall pipe.

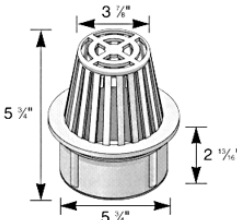
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
70	3" atrium grate	Green	0.25	20	<b>21.10</b>
72 ☺	3" atrium grate	Gray	0.25	20	<b>22.37</b>
74	3" atrium grate	Black	0.25	20	<b>22.37</b>



### 4" Atrium Grate

- 4" Flat top structural foam polyolefin atrium grate with UV inhibitor.
- Open surface area 14.5 sq. in.. 19.0 gpm
- 1/4" grate opening.
- Fits 4" sewer and drain pipe and fittings, corrugated pipe and triple wall pipe.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
75	4" atrium grate	Green	0.30	20	\$ <b>31.82</b>
76 ☺	4" atrium grate	Gray	0.30	20	<b>33.72</b>
78	4" atrium grate	Black	0.30	20	<b>31.82</b>



### 6" Atrium Grate

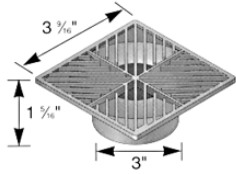
- 6" Flat top structural foam polyolefin atrium grate with UV inhibitor.
- Open surface area 25.5 sq. in.. 33.41 gpm
- 1/4" grate opening.
- Fits Spee-D basin, 6" sewer and drain pipe and fittings, corrugated pipe.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
80	6" atrium grate	Green	0.70	10	\$ 41.38
90	6" atrium grate	Black	0.70	10	<b>45.19</b>

☺ Non-stock item, available on a special order basis.

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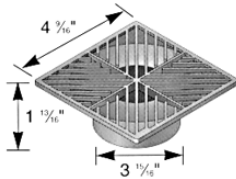


## 4" Square Grate

- 4" square structural foam polyolefin grate with diagonally converging pattern with UV inhibitor.
- Open surface area 3.45 sq. in.. 4.52 gpm
- 3/16" grate opening.
- Fits 3" sewer & drain pipe and fittings, corrugated pipe and triple wall pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
01	4" square grate	Green	0.11	40	\$ <b>13.34</b>
02	4" square grate	Black	0.11	40	<b>13.34</b>

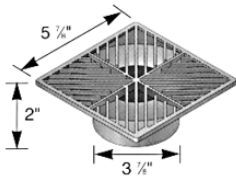


## 5" Square Grate

- 5" square structural foam polyolefin grate with diagonally converging pattern with UV inhibitor.
- Open surface area 4.25 sq. in.. 5.57 gpm
- 3/16" grate opening.
- Fits 4" sewer & drain pipe and fittings, corrugated pipe and triple wall pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
07	5" square grate	Green	0.20	25	\$ <b>14.69</b>
08	5" square grate	Black	0.20	25	<b>13.85</b>

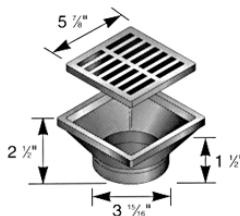


## 6" Square Grate

- 6" square structural foam polyolefin grate with diagonally converging pattern with UV inhibitor.
- Open surface area 10.40 sq. in.. 13.62 gpm
- 1/4" grate opening.
- Fits 3" or 4" sewer & drain pipe, corrugated pipe and triple wall pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
04	6" square grate	Black	0.40	10	\$ <b>20.74</b>
05	6" square grate	Green	0.40	10	19.00



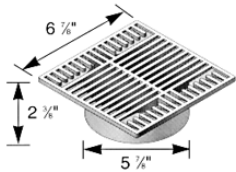
## 6" x 6" x 4" Square Grate and Adapter

- 6" x 6" low profile adapter and structural foam polyolefin removable grate with UV inhibitor & stainless steel screws.
- Open surface area 13.61 sq. in.. 17.83 gpm
- 1/4" grate opening.
- Fits 3" or 4" sewer & drain pipe and fittings, corrugated pipe and triple wall pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
640	6" x 6" x 4" square grate & adapter	Black	0.88	8	\$ <b>65.19</b>
641	6" x 6" x 4" square grate & adapter	Green	0.88	8	<b>70.46</b>

AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.

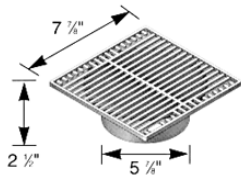


## 7" Square Grate

- 7" square structural foam polyolefin grate with UV inhibitor.
- Open surface area 13.60 sq. in.. 17.83 gpm
- 1/4" grate opening.
- Fits Spee-D basin, 6" sewer & drain pipe and fittings, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
771	7" square grate	Black	0.70	10	\$ <b>33.76</b>
772	7" square grate	Green	0.70	10	<b>35.90</b>
773	7" square grate	Gray	0.70	10	<b>33.76</b>

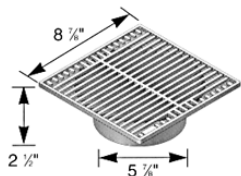


## 8" Square Grate

- 8" square structural foam polyolefin grate with UV inhibitor.
- Open surface area 17.16 sq. in.. 22.48 gpm
- 1/4" grate opening.
- Fits Spee-D basin, 6" sewer & drain pipe and fittings, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
881	8" square grate	Black	0.80	10	\$ <b>35.29</b>
882	8" square grate	Green	0.80	10	<b>35.29</b>



## 9" Square Grate

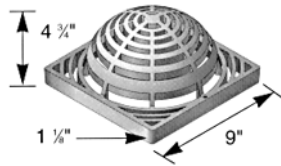
- 9" square structural foam polyolefin grate with UV inhibitor.
- Open surface area 28.40 sq. in.. 37.20 gpm
- 5/16" grate opening.
- Fits Spee-D basin, 6" sewer & drain pipe and fittings, corrugated pipe.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
950	9" square grate	Green	1.90	10	\$ <b>50.55</b>

AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.

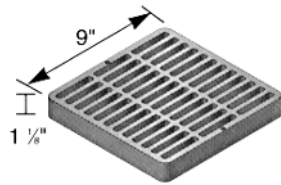




### 9" Catch Basin Atrium Grate

- 9" structural foam polyolefin dome atrium grate with UV inhibitor.
- Open surface area 30.28 sq in.. 39.67 gpm.
- 3/8" grate opening.
- Use with 9" x 9" catch basin series.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
981	9" x 9" atrium grate	Black	0.87	6	\$ <b>110.23</b>
991	9" x 9" atrium grate	Green	0.87	6	<b>110.23</b>

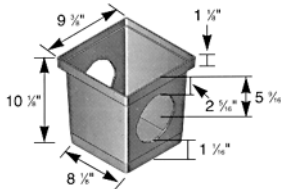


### 9" Catch Basin Square Grate

- 9" square structural foam polyolefin grate with UV inhibitor.
- Open surface area 39.50 sq in.. 51.75 gpm.
- 7/16" grate opening.
- Use with 9" x 9" catch basin series.



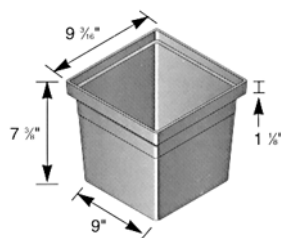
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
980	9" x 9" square grate	Black	1.50	8	\$ <b>76.37</b>
990	9" x 9" square grate	Green	1.50	8	<b>80.97</b>
999	9" x 9" square grate	Gray	1.50	8	<b>89.87</b>



### 9" x 9" Tapered Catch Basin

- Requires universal outlet (1206, 1242, 1243, 1245, 1266 or 1889) for each opening.
- 900BLKIT includes 2 opening basin and black grate in a kit.

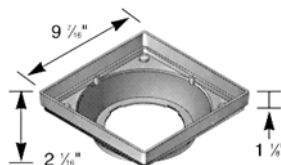
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
900	9" x 9" catch basin 2-opening	Black	3.00	4	\$ <b>62.60</b>
900BLKIT	9" x 9" catch basin with black grate	Black	4.25	4	<b>188.13</b>



### 6" Riser for 9" x 9" Catch Basin

- Bottomless
- Use with 9" x 9" catch basin series

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
916	9" x 9" catch basin riser	Black	1.75	4	\$ <b>70.41</b>



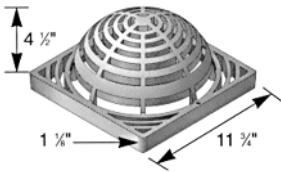
### 9" x 9" Low Profile Adapter

- Bayonet bottom outlet.
- Requires universal outlet (1243, 1245, 1266, 1889).
- Fits corrugated, sewer and drain pipe.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
930	9" x 9" low profile adapter	Black	0.75	8	\$ <b>65.08</b>

AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.

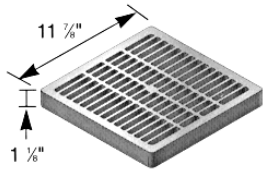
# 12" Catch Basin Series



### 12" x 12" Atrium Grate

- 12" structural foam polyolefin dome atrium grate with UV inhibitor.
- Open surface area 60.00 sq. in.. 78.60 gpm.
- 3/8" grate opening.
- Use with 12" x 12" catch basin series.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1280	12" x 12" atrium grate	Green	2.00	8	\$ <b>158.38</b>
1290	12" x 12" atrium grate	Black	2.00	8	<b>158.38</b>

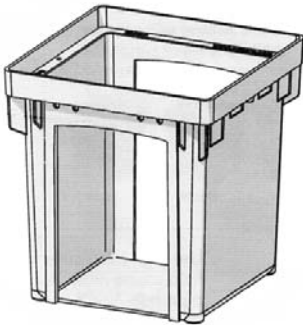


### 12" x 12" Square Grate

- 12" square structural foam polyolefin grate with UV inhibitor or heavy duty cast iron.
- Open surface area 50.76 sq. in. 66.50 gpm.
- Cast Iron open surface area 59.5 sq. in.. 77.95 gpm.
- 3/8" grate opening.
- Use with 12" x 12" catch basin series.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1210	12" x 12" square grate	Gray	2.00	8	\$ <b>126.47</b>
1211	12" x 12" square grate	Black	2.00	8	<b>114.41</b>
1212	12" x 12" square grate	Green	2.00	8	<b>113.31</b>
1213	12" x 12" Cast Iron square grate	Black	7.00	1	<b>395.92</b>

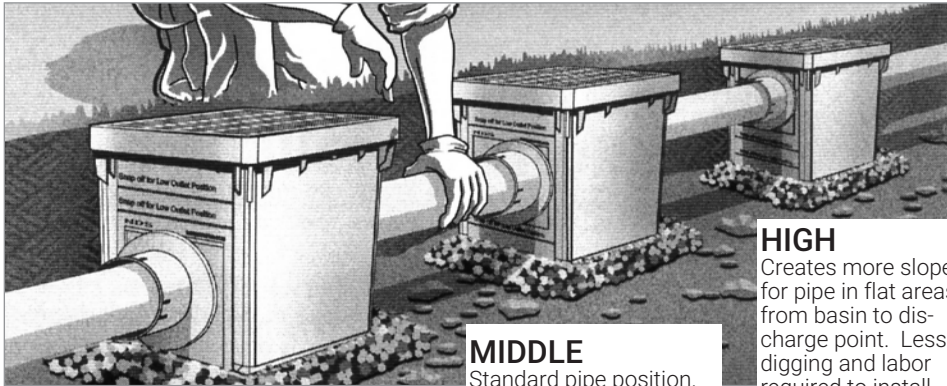


1200NGB



### Next Generation Catch Basin

- Adjustable height inlet and outlets; just snap off slide tabs.
- Kit includes catch basin with 2 open slides.
- Faster and easier to install.

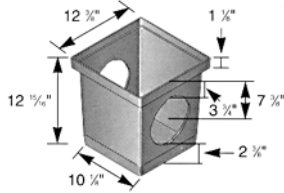


**LOW**  
Reduces standing water in the bottom of the basin, especially in clay soils where water won't drain out of the bottom.

**MIDDLE**  
Standard pipe position. Pipe inlet/outlet connects to the middle of the basin.

**HIGH**  
Creates more slope for pipe in flat areas from basin to discharge point. Less digging and labor required to install pipe.

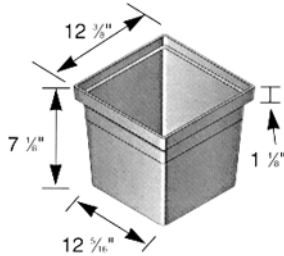
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1200NGBKIT	12" catch basin kit w/ 2 slides	Black	4.65	4	\$ <b>144.83</b>



## 12" x 12" Tapered Catch Basin

- Requires universal outlet (1206, 1242, 1243, 1245, 1266, or 1889) for each opening.
- Use bottom cutout for additional outlet.
- 1200BLKIT includes 2 opening basin and black grate in a kit.

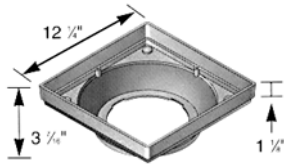
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1200	12" x 12" catch basin 2-opening	Black	4.25	4	\$ <b>106.98</b>
1203	12" x 12" catch basin 3-opening	Black	3.75	4	\$ <b>158.85</b>
1204	12" x 12" catch basin 4-opening	Black	3.75	4	\$ <b>167.42</b>
1200BLKIT	12" x 12" catch basin with black grate	Black	8.00	4	238.91



## 6" Riser for 12" x 12" Catch Basin

- Bottomless
- Use with 12" x 12" catch basin series

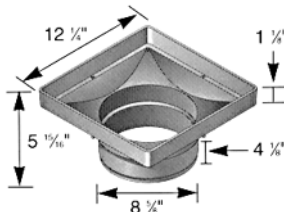
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1216	12" x 12" catch basin riser	Black	2.75	8	\$ <b>72.22</b>



## 12" x 12" Low Profile Adapter

- Bayonet bottom outlet
- Requires universal outlet for connection to 3", 4" or 6" sewer/drain or corrugated pipe.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1230	12" x 12" low profile adapter	Black	1.25	5	\$ <b>86.97</b>

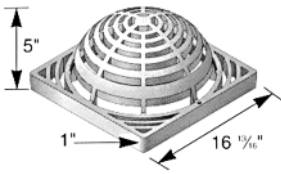


## 12" x 12" Square Low Profile Adapter

- Fits 8" sewer and drain pipe
- Use with #1222 spigot adapter to adapt to 8" corrugated pipe.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1221	12" x 12" low profile adapter	Black	1.92	12	\$ <b>118.20</b>
1222	12" x 12" low profile spigot adapter	Black	1.92	12	\$ <b>118.20</b>

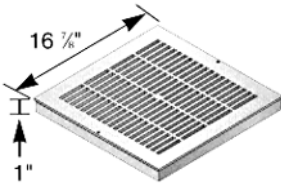
AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.



## 18" x 18" Atrium Grate

- 18" structural foam polyolefin dome atrium grate with UV inhibitor.
- Open surface area 64.51 sq. in.. 84.51 gpm.
- 1/2" grate opening.
- Use with 18" x 18" catch basin series.

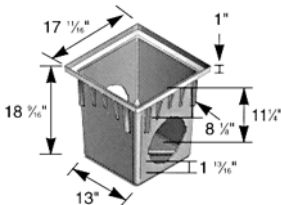
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1881	18" x 18" atrium grate	Black	3.50	4	\$ <b>320.22</b>
1891	18" x 18" atrium grate	Green	3.50	4	<b>320.22</b>



## 18" x 18" Square Grate

- 18" square structural foam polyolefin grate with UV inhibitor.
- Open surface area 104.00 sq. in.. 136.24 gpm.
- 7/16" grate opening.
- Use with 18" x 18" catch basin series.

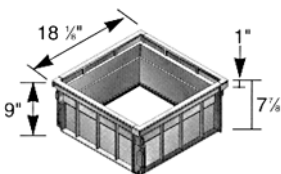
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1810	18" x 18" square grate	Gray	5.50	4	\$ <b>446.77</b>
1811	18" x 18" square grate	Black	5.50	4	402.49
1812	18" x 18" square grate	Green	5.50	4	<b>414.56</b>



## 18" x 18" One Piece Tapered Catch Basin

- Requires universal outlet for each opening.
- Includes 2 or 4 #1890 reducing rings.

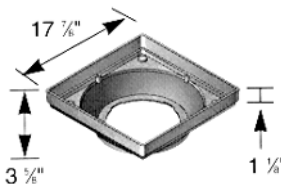
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1882	18" 1 piece catch basin 2-openings	Black	10.00	4	\$ <b>606.74</b>
1884	18" 1 piece catch basin 4-openings	Black	9.50	4	<b>656.01</b>



## 8" Riser for 18" x 18" Catch Basin

- Use with 18" one piece or expandable catch basins.
- 7 7/8" nesting height.
- Assembly required. Includes 4 riser sides.
- **NOTE: Use roof tar or silicone to seal joints.**

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1816	8" catch basin riser	Black	6.00	1	\$ <b>306.00</b>

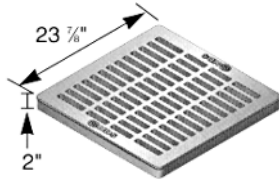


## 18" x 18" Low Profile Adapter

- Bayonet bottom outlet.
- Includes #1890 reducer ring.
- Requires universal outlet (1243, 1245, 1266, or 1888).
- Fits corrugated pipe and sewer and drain pipe.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1830	18" x 18" low profile adapter	Black	4.75	4	\$ <b>267.92</b>

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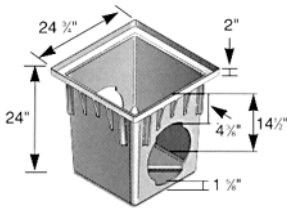


### 24" x 24" Square Grate

- 24" square structural foam polyolefin grate with UV inhibitor.
- Open surface area 231.69 sq. in.. 303.51 gpm.
- 7/8" grate opening.
- Use with 24" x 24" catch basin series.



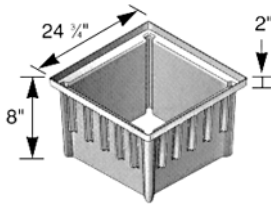
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2411	24" x 24" square grate	Black	9.00	4	\$ <b>1082.76</b>
2412	24" x 24" square grate	Green	9.00	4	<b>1082.76</b>



### 24" x 24" One Piece Tapered Catch Basin

- Requires 2 or 4 #2410 universal outlets.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2400	24" 1 piece catch basin 2-opening	Black	18.00	4	\$ 1078.99
2404	24" 1 piece catch basin 4-opening	Black	15.00	4	<b>1318.26</b>



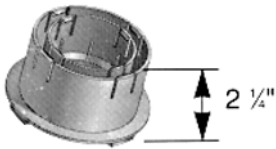
### 8" Extension for 24" x 24" Catch Basin

- Bottomless
- Use with 24" x 24" catch basin series

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2418	24"x 24" catch basin extension	Black	14.00	10	\$ <b>735.42</b>

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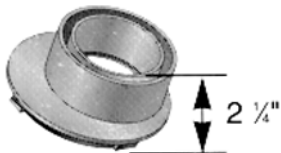




### 3" and 4" Universal Locking Outlet

- **New locking outlet snaps on to most 3" and 4" corrugated pipe.**
- Fits 3" & 4" corrugated pipe and sewer & drain pipe and triple wall pipe, 4" sch 40 pipe.
- Use with 9", 12", 18" and 24" (with #2410) catch basin series and adapters.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1243	3" & 4" universal locking outlet	Black	0.70	20	\$ <b>16.35</b>



### 3" and 4" Offset Universal Outlet

- Fits 3" & 4" corrugated pipe and sewer & drain pipe, 4" sch 40 pipe and triple wall pipe.
- Allows for adjustable inlet height.
- Use with 9", 12", 18" and 24" (with #2410) catch basin series.

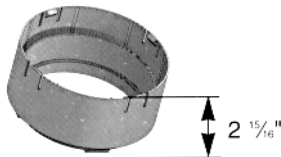
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1245	3" & 4" offset universal outlet	Black	0.55	20	\$ <b>19.02</b>



### 3" and 4" Universal Adapter w/ 4" spigot

- Fits 3" & 4" corrugated pipe, sewer & drain pipe, triple wall pipe and 4" sch 40 pipe.
- Use with 3" and 4" sewer and drain fittings.

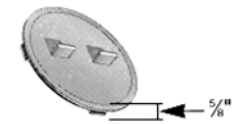
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1241	3" & 4" adapter <b>NEW tab style</b>	Black	0.70	20	\$ <b>18.51</b>
1241AG	3" & 4" adapter <b>OLD style</b>	Black	0.70	20	\$ <b>18.51</b>



### 6" Universal Locking Outlet

- **New locking outlet snaps on to most 3" and 4" corrugated pipe.**
- Fits 6" corrugated pipe and sewer & drain pipe.
- Use with 9", 12", 18" and 24" (with #2410) catch basin series and adapters.

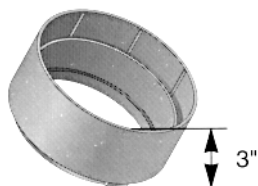
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1266	6" universal locking outlet	Black	0.75	20	\$ <b>21.97</b>



### 6" Universal Plug Adapter

- Use with 9", 12", 18" and 24" (with #2410) catch basin series.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1206	6" universal plug adapter	Black	0.35	20	\$ <b>13.10</b>

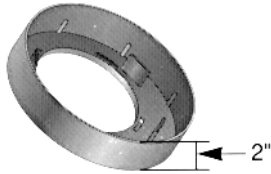


### 8" Universal Outlet

- Fits 8" corrugated pipe and sewer & drain pipe.
- Use with 18" and 24" (with #2410) catch basin series.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1888	8" universal outlet	Black	1.25	8	\$ <b>45.67</b>

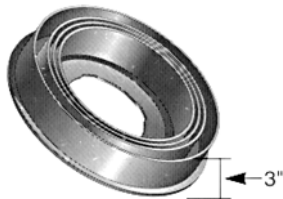
AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.



### 8" Offset Universal Adapter

- Fits 8" corrugated pipe and sewer & drain pipe.
- Use with 12" catch basin series.
- Use with #1890 reducer ring for 18" catch basin series.
- Reducer ring required on #1821 basin side, 18" catch basin series to adapt to universal outlets (#1206, 1243, 1245, 1266 or 1889.)

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
1890	Universal outlet reducer ring	Black	0.50	8	<b>25.54</b>



### 10" and 12" Universal Adapter

- Includes universal outlet reducer ring (#1890).
- Fits 10" and 12" corrugated pipe and sewer & drain pipe.
- Fits 3", 4", 6" and 8" corrugated, sewer & drain pipe, 4" Sch. 40 pipe by using corresponding adapter.
- Use with 24" catch basins.

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2410	10" and 12" universal adapter	Black	5.50	2	<b>\$ 120.14</b>

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# Swivel Fitting, Drainage Emitter



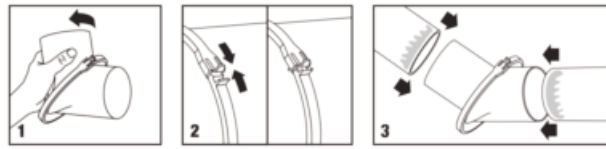
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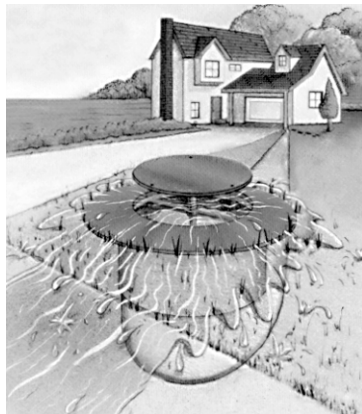
## Swivel Fit® Variable Angle Fitting

- Multiple fittings in one. Can be set and locked in place to any angle from 0° to 90°.
- Convenient for misaligned pipes and routing around corners and obstacles.
- Patent pending design.
- Installs in 3 easy steps.
- Fits 4" drain pipe SDR-35, Triple wall and ASTM-D2729.
- Not for sewer use.

### Installation in 3 easy steps.



Part Number	Description	Ctn Qty	List Price
4PVAF	Swivel Fit Fitting	12	\$ 170.34



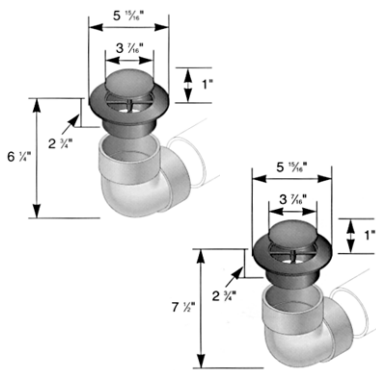
## The Pop-Up Drainage Emitter is an easy, safe & efficient solution.

It allows water to be diverted and released to water-safe areas away from structures, erosion-prone landscapes and poor drainage areas.

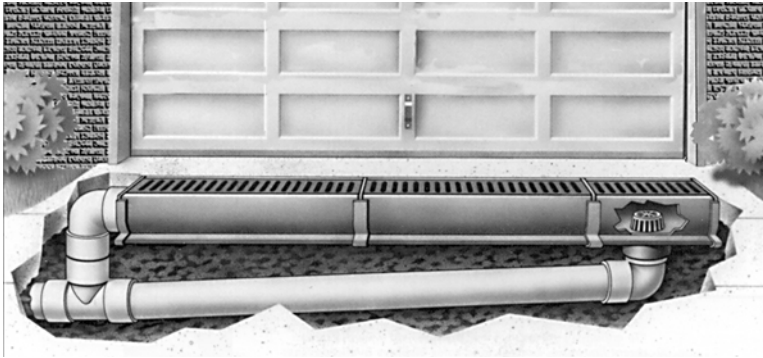
- It allows water captured by grates, catch basins, channel drains, downspouts and roof gutter systems to flow through the drainage pipe and away from structural foundations to safe or useful areas. For example, water can be routed from a low area next to a foundation to a water safe area such as a curbside drainage system.
- It is opened by the hydrostatic pressure of water flowing through the drain pipe. As flow diminishes the emitter closes again. The special patented design allows the emitter to open with a negligible amount of pressure. Since the emitter is closed during dry weather, debris and rodents cannot enter the drain pipes.
- It does not rise high enough to interfere with mowers.
- It blends into the surrounding landscapes.

### 3" and 4" Emitter

- 3" and 4" PVC pop-up drainage emitter.
- Center drive pop-up with UV inhibitor.
- PVC 90° elbow with 1/4" drain hole.



Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
321	3" emitter with elbow	Green	0.60	25	\$ 59.36
421	4" emitter with elbow	Green	0.85	20	67.97



## Durable

Designed for maximum durability and drainage, NDS channel drains are a proven alternative to traditional concrete drains. UV inhibitors in the grates, channels and component parts prevent fading and cracking from the sun. All plastic grate and channel components are chemically resistant, rust proof and maintenance free.

## Simple

NDS channel is light-weight and easy to install. Grates are removable for easy clean-out and replacement. Channel grates may be held in place with NDS screws or hold down clips. A complete line of accessories is available for each channel.

NDS channel systems operate on the same principle as a roof gutter. All NDS channel easily connects to sewer and drain pipe and fittings or Sch 40 pipe and fittings.

## Versatile

To blend with surrounding surfaces, channel grates are available in six colors. The channel system also offers a choice of outlets. Water can be evacuated from the bottom of the channel or from the end or sides of the channel.

## Efficient

Channel drain eliminates the need for grading a deck surface to a low area. Instead, the deck is gradually sloped in one direction or plane, and the channel drain acts as a perimeter drain at the edge of the slope.

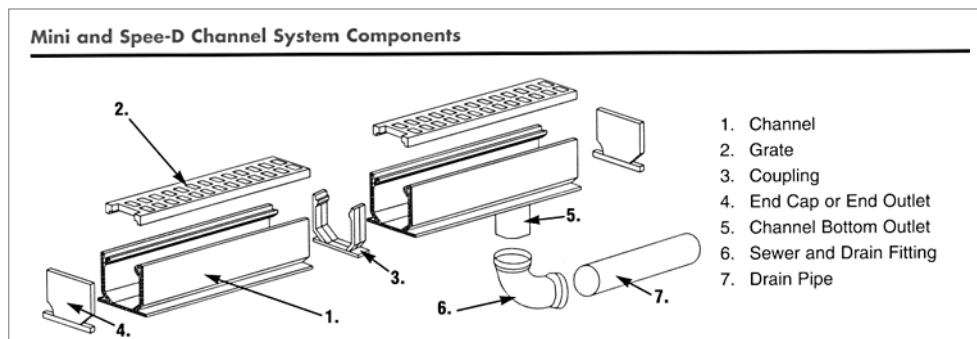
Most hardscapes experience more runoff than landscapes due to the lack of water absorption. Channel drain systems provide more overall surface area than conventional area grates.

## Non-Sloped Channel System Advantages

NDS offers non-sloped channel system advantages; less expensive, simplifies inventory, eliminates need to stock various sloping channel sections. Multiple outlets provide safety through redundancy, should any individual outlet become clogged. Proper flow is assured by use of sloped drain pipe.

## Recommended Applications

- Driveways
- Parking Lots
- Warehouses
- Swimming pools & spas
- Washdown areas
- Tennis Courts
- Sidewalks
- Patios
- Sports Facilities
- Nurseries & greenhouses



## Installation:

### 1. Standard Installation

Excavate a trench to accommodate the channel and bedding concrete. Erect a string line at each end of the drain run as a guide for laying the channels to the required level. Begin channel installation at the evacuation or discharge end of the run where the outlet or outlets are located.

Install channel end-to-end PVC cementing sections together. Design bottom or end outlets into the channel run in the appropriate location and glue to the drain pipe or fittings. PVC cement end caps where appropriate.

Using either NDS stakes, 1/2" or 5/8" rebar or wood stakes, anchor channel to the trench bed every 24" on each side of channel. Backfill with either concrete, sand or soil depending on the application. Pour slab to grade and finish concrete.

Figure 1A illustrates a light vehicular installation in which a concrete base may not be required. Compacted soil and a 1" sand base may be used in place of concrete.

Figure 1B illustrates a concrete base underneath the channel recommended for heavy load applications or freeze/thaw zones where heaving may be a problem.

### 2. Suspended Installation

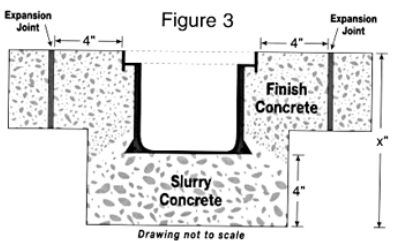
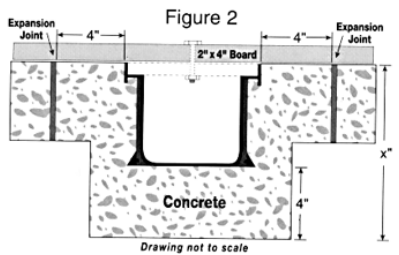
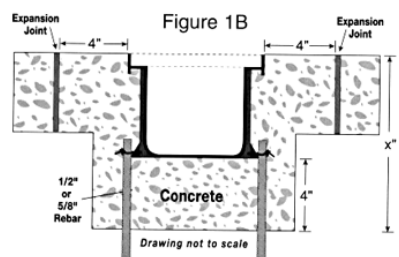
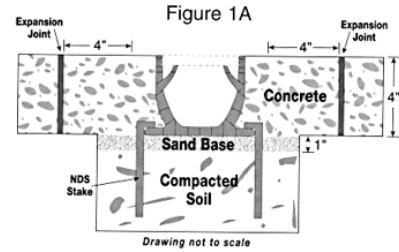
Suspended installation is ideal for retrofit installations with an existing concrete slab or new construction where forms can be used to suspend the channels. Prepare the trench excavation. Using 2" x 4" boards, span the width of the trench and bolt the channel grates to the boards. Pour and compact concrete under and around the channels. Finish to the proper grade. Figure 2.

### 3. Slurry Installation

This installation may be used in lieu of the standard installation. Prepare the trench excavation and pull a stringline to the proper elevation. Pour a slurry of concrete in the trench to a depth that will insure at least 4" of concrete underneath the channels. Lay the channels in the bedding slurry. Check the channel alignment and grade again. After the slurry sets, concrete can be poured around the channel and finished to the proper grade. Figure 3.

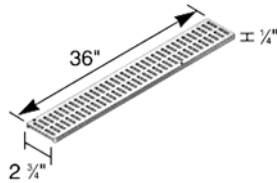
## Notes:

1. Grate must be installed prior to pouring concrete or backfill.
2. **Grate should be recessed 1/8" below finish grade in non traffic applications. Grate should be recessed 1/4" in traffic applications.**
3. In asphalt or hot mastic applications, the channels must be encased in concrete for strength and to prevent distortion of the channel.
4. Grates should be taped prior to pouring concrete to prevent debris from entering channel during installation.
5. Refer to load classification chart for proper application.
6. Expansion joints must be provided parallel, but not immediately adjacent to each side of the drain run and crack control joints utilized at right angles to the channel for installation in concrete.
7. PVC primer and medium body fast set PVC solvent cement must be used to cement all components.
8. Grate must be installed on channel at all times except for cleaning.



## Mini Channel™ Drain Features:

- Patented
- Low-cost alternative to Spee-D Channel.
- Excellent for light duty applications including residential pools, patios, spas and tennis courts.

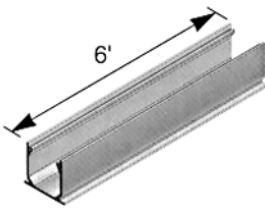


### 3' Channel Grate

- Structural foam polyolefin channel grate with UV inhibitors.
- Open surface area 11.3 sq. in.. 14.8 gpm per foot.
- 1/4" x 5/16" grate opening.
- Requires 4 screws per grate.

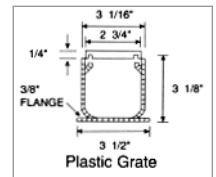


Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
541	3' channel grate	Gray	0.688	48 ft	\$ <b>53.50</b>
542	3' channel grate	Green	0.688	48 ft	<b>53.50</b>
543	3' channel grate	Black	0.688	48 ft	<b>53.50</b>
544	3' channel grate	Sand	0.688	48 ft	<b>53.50</b>
551	3' channel grate	Brick Red	0.688	48 ft	<b>53.50</b>



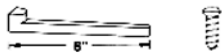
### 6' Mini Channel Drain

- 6' PVC Mini channel drain with inverse flying buttress design, bottom flange, patented honeycomb reinforced walls and UV inhibitor.
- **Grates should be recessed 1/8" below finish grade in non traffic applications. Grate should be recessed 1/4" in traffic applications.**



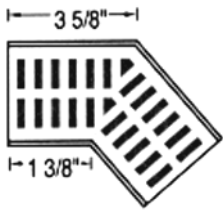
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
500-6	6' Mini Channel Drain	Gray	4.00	48 ft	\$ <b>162.15</b>

## Mini Channel™ Drain Accessories:



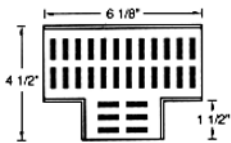
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
529	Stainless Steel Screws type FH-#4 x 3/8"	Steel	0.10	64	\$ <b>1.08</b>
230	6" channel installation stake	Gray	0.40	24	<b>4.12</b>
532	2" Sch 40 hub to 3" S&D spigot adapter	White	0.20	20	99.57
533	2" Sch 40 hub to 4" S&D spigot adapter	White	0.35	20	<b>93.45</b>
546	Spigot end outlet for 2" Sch. 40 pipe	Gray	0.30	10	<b>30.51</b>
547	3" Channel end cap	Gray	0.15	20	<b>22.90</b>
548	3" Channel Coupling	Gray	0.20	20	<b>23.90</b>
550	3' channel w/ 2" Sch 40 spg bottom outlet	Gray	2.17	6	<b>109.11</b>

AGI has access to the complete line of NDS drainage products. Contact customer sales for more information and pricing.



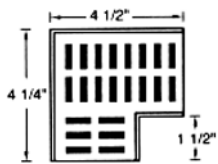
## Fabricated 45° Elbow with Grate

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
5300	Fabricated 45° elbow w/ grate	Gray	0.40	1	\$ <b>102.88</b>
5303 ☺	Fabricated 45° elbow w/ grate	Sand	0.40	1	<b>102.88</b>



## Fabricated Tee with Grate

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
5371 ☺	Fabricated tee w/ grate	Green	0.50	1	97.03
5372 ☺	Fabricated tee w/ grate	Black	0.50	1	97.03
5374 ☺	Fabricated tee w/ grate	Brick Red	0.50	1	97.03



## Fabricated 90° Elbow with Grate

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
5380	Fabricated 90° elbow w/ grate	Gray	0.40	1	\$ <b>94.91</b>
5383 ☺	Fabricated 90° elbow w/ grate	Sand	0.40	1	<b>106.36</b>

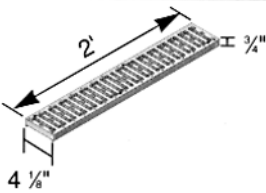
☺ Non-stock item, available on a special order basis.

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## Spee-D Channel™ Drain Features:

- Patented.
- Ideal for commercial as well as residential applications.
- Effective in everything from patios to light vehicular traffic areas.

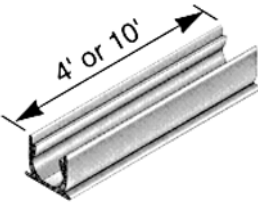


### 2' Channel Grate

- 2' Structural foam polyolefin secured channel grate with UV inhibitors.
- Open surface area 19.3 sq. in..
- 3/8" x 3 1/4" grate opening.
- Requires 4 screws per grate.

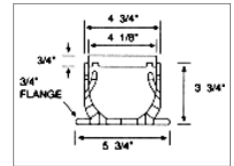


Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
241	2' channel grate	Gray	1.42	24 ft	\$ <b>66.77</b>
242	2' channel grate	Green	1.42	24 ft	<b>72.18</b>
243	2' channel grate	Black	1.42	24 ft	<b>72.18</b>
244	2' channel grate	Sand	1.42	24 ft	<b>64.87</b>



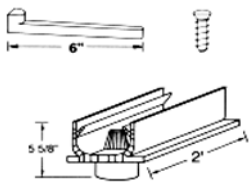
### 4' Channel Drain

- 4' PVC Spee-D channel drain with inverse flying buttress design, bottom flange, patented honeycomb reinforced walls & UV inhibitor.
- **Grate should be recessed 1/8" below finish grade in non traffic applications. Grate should be recessed 1/4" in traffic applications.**
- 10' Length ships via truck only.



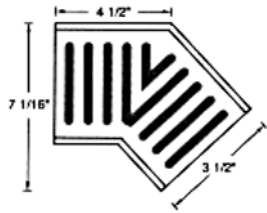
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
400	4' Channel Drain	Gray	4.83	24 ft	\$ <b>91.30</b>
400-10	10' Channel Drain *	Gray	1.10	60 ft	<b>244.73</b>

## Spee-D Channel™ Drain Accessories:



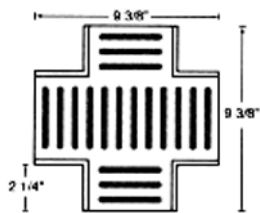
Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
229	Stainless Steel Screws	Steel	0.06	48	\$ <b>1.47</b>
230	6" channel installation stake	Gray	0.40	24	<b>4.12</b>
234	2' fabricated 3" & 4" spigot bottom outlet w/ strainer. Fits 3" or 4" S&D ftg. Grate not included	Gray	2.67	1	<b>118.41</b>
245	Channel strainer coupling	Gray	0.35	20	<b>31.46</b>
246	2" Sch. 40 spigot end outlet	Gray	0.40	10	<b>29.61</b>
247	Channel end cap	Gray	0.40	10	<b>20.29</b>
248	Channel Coupling	Gray	0.40	20	<b>20.52</b>
249	3" & 4" offset end outlet Connects to 3" S&D pipe, 4" S&D fittings	Gray	0.50	10	<b>24.00</b>

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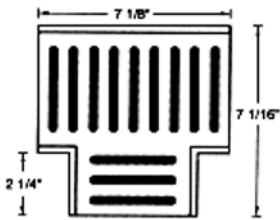
### Fabricated 45° Elbow with Grate

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2301	Fabricated 45° elbow w/ grate	Gray	2.0	1	\$ <b>198.05</b>



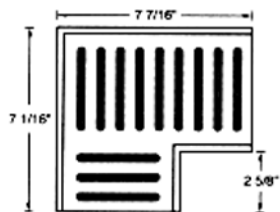
### Fabricated Cross with Grate

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2361	Fabricated cross w/ grate	Gray	3.0	1	\$ <b>282.71</b>



### Fabricated Tee with Grate

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2371	Fabricated tee w/ grate	Gray	3.0	1	\$ <b>209.48</b>



### Fabricated 90° Elbow with Grate

Part Number	Description	Color	Weight lbs.	Ctn Qty	List Price
2381	Fabricated 90° elbow w/ grate	Gray	3.0	1	\$ <b>146.26</b>

© Non-stock item, available on a special order basis.

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