



Mecklenburg County Environmental Health

# VGB Approved Covers

Main Drain Covers and Equalizer Line Covers

\*\* This is not a substitution for listed manufacturer specifications and is subject to change. \*\*

## Drain Cover Life

*Afras* – 6 years

*Aquastar* – 5 year

*Bee Safe* – 7 years

*Color Match* – 5 years

*Custom Molded* – 7 years

*DrainSafe* – 5 years

*Hayward* – 7 years

*Lawson* – 10 years

*Neptune Benson* – 15 years

*Paddock Stainless Steel* – Lifetime –

Inspect annually at 10 years and every year thereafter for damage. Change screws every 7 years. Replace/repair as needed.




*Paramount* – 5 years

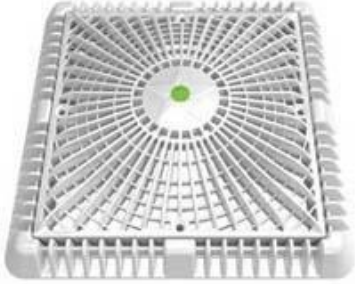


*Pentair* – 7 years




*Waterway* – 7 years


VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AFRAS</b></p> <p>7 3/4" Anti-Vortex <b>Ring</b> and <b>Cover</b> – ABF64</p>	10064xxxx	Floor: 86 Wall: 68	<p><u>Distance from Pipe to Cover</u></p> <p>At least 1.5x pipe diameter</p>
	<p><b>AFRAS</b></p> <p>7 3/4" Anti-Vortex <b>Cover Only</b>– ABF64</p>	11064xxxx	Floor: 86 Wall: 68	<p><u>Distance from Pipe to Cover</u></p> <p>At least 1.5x pipe diameter</p>
	<p><b>AFRAS</b></p> <p>High Capacity Cover – <b>Cover Only</b></p> <p>Retrofit for most AFRAS covers – ABF64A</p> <p>11.125" in diameter</p>	10064Axxx	Floor: 188 Wall: 160	<p><u>Distance from Pipe to Cover</u></p> <p>At least 1.5x pipe diameter</p>
	<p><b>AFRAS</b></p> <p>High Capacity Cover <b>with Ring</b>- Retrofit for 10064Axxx</p> <p>11.125" in diameter</p>	10064ARxxx	Floor: 188 Wall: 160	<p><u>Distance from Pipe to Cover</u></p> <p>At least 1.5x pipe diameter</p>

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AFRAS</b></p> <p>High Capacity Cover <b>with Plate</b></p> <p>11.125" in diameter</p>	<p>10064ADxxx</p>	<p>Floor: 188 Wall: 160</p>	<p>Sumpless</p>
	<p><b>AFRAS</b></p> <p>12"x12" Ring Plate <b>only</b></p>	<p>10064ACxxx</p>	<p>Floor: 188 Wall: 160</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
	<p><b>AFRAS</b></p> <p>12"x12" Ring Plate with <b>additional</b> Plate</p>	<p>10064ACF</p>	<p>Floor: 188 Wall: 160</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>





VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>9" Square MoFlow Suction Outlet Cover and Mud Frame and/or bushing</p>	<p>9MFxxx</p>	<p>Floor: 258 Wall: 274</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>9" Square MoFlow Suction Outlet Cover with Bushing Kit</p>	<p>R9MFxxx</p>	<p>Floor: 258 Wall: 274</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>9" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame</p>	<p>WAV9WRxxx</p>	<p>Floor: 224 Wall: 224</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>





VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Aquastar</b>  9" Square Star Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame	P9xxx	Floor: 270 Wall: 270	<u>Sump Depth</u> 3" minimum to pipe
	<b>AquaStar</b>  12" Square MoFlow Suction Outlet Cover and Mud Frame and/or bushing	12MFxxx	Floor: 274 Wall: 278	<u>Sump Depth</u> 3" minimum to pipe
	<b>AquaStar</b>  12" Square MoFlow Suction Outlet Cover and Mud Frame and/or bushing	R12MFxxx	Floor: 274 Wall: 278	<u>Sump Depth</u> 3" minimum to pipe




VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>AquaStar</b>  12" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame	Wav12WRxxx	Floor: 361 Wall: 361	<u>Sump Depth</u> 3" minimum to pipe
	<b>AquaStar</b>  12" Square Star Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame	P12xxx	Floor: 360 Wall: 360	<u>Sump Depth</u> 3" minimum to pipe
	<b>AquaStar</b>  14" Square Anti-Entrapment Suction Outlet Cover for 9" Square Retrofits or New Construction	914xxx	Floor: 560 Wall: 300	<u>Sump Depth</u> 3" minimum to pipe
	<b>AquaStar</b>  16" Square Anti-Entrapment Suction Outlet Cover for 12" Square Retrofits or New Construction	1216xxx	Floor: 460 Wall: 445	<u>Sump Depth</u> 3" minimum to pipe

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>18" Square Frame with Four 9" Square Wave Anti-Entrapment Suction Outlet Covers and Vented Riser Rings</p>	<p>WAV18WRxxx</p>	<p>Floor/Wall: 628</p>	<p><u>Sump Depth</u> 6" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>18" Square Mud Frame with Four 9" Square MoFlow Suction Outlet Covers</p>	<p>18MFxxx</p>	<p>Floor: 293 (only)</p>	<p><u>Sump Depth</u> 6" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>18" Square Mud Frame with Four 9" Square MoFlow Suction Outlet Covers</p>	<p>P18xxx</p>	<p>Floor: 740 Wall: 740</p>	<p><u>Sump Depth</u> 6" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>18" Square Mud Frame with Four 9" Square SUN/8HPH Suction Outlet Covers</p>	<p>SUN18HPHxxx</p>	<p>Floor: 1000 Wall: 644</p>	<p><u>Sump Depth</u> 6" minimum to pipe</p>







VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>24" Square Frame with Four 12" Square Wave Anti-Entrapment Suction Outlet Covers</p>	<p>WAV24xxx</p>	<p>Floor/Wall: 1444</p>	<p><u>Sump Depth</u> 12" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>24" Square Frame with Four 12" Square Flat Grate Anti-Entrapment Suction Outlet Covers</p>	<p>24xxx</p>	<p>Floor: 1531 Wall: 1531</p>	<p><u>Sump Depth</u> 12" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>10" Round Anti-Entrapment Suction Outlet Cover, Solid Riser Ring and Mud Frame</p>	<p>10AVRxxx</p>	<p>Floor: 166 Wall: 96</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>8" Round MoFlow Suction Outlet Cover and Mud Frame</p>	<p>8MFxxx</p>	<p>Floor: 166 Wall: 113</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>


VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>8" Round Retrofit MoFlow Suction Outlet Cover – Fits most 8" sumps that 8MFxxx does not fit</p>	<p>R8MFxxx</p>	<p>Floor: 146 Wall: 130</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>10" Round MoFlow Suction Outlet Cover and Mud Frame</p>	<p>10MFxxx</p>	<p>Floor: 158 Wall: 162</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>8" Round Star Sumpless Suction Outlet Cover, Solid Riser Ring and Mud Frame</p>	<p>A8Rxxx</p>	<p>Floor: 140 Wall: 84</p>	<p>Sumpless</p>
	<p><b>AquaStar</b></p> <p>10" Round Star Sumpless Suction Outlet Cover, Universal Adapter Kit and Mud Frame</p>	<p>A10RCFRxxx</p>	<p>Floor: 170 Wall: 170</p>	<p>Sumpless</p>

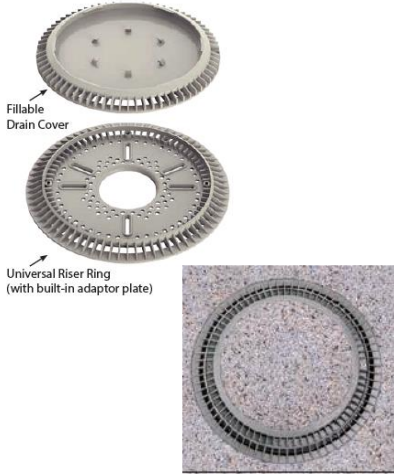
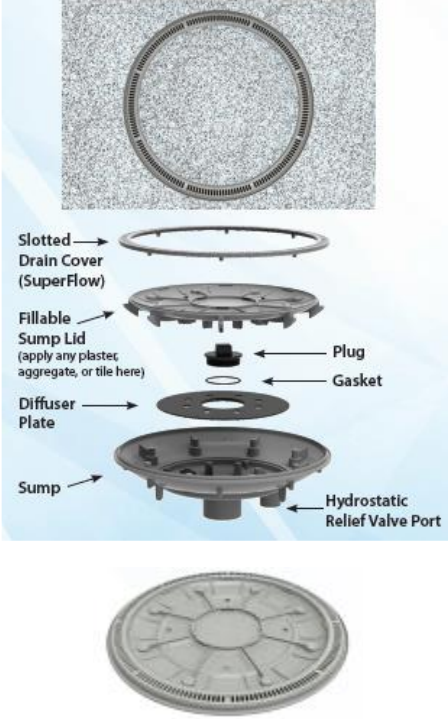
VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>8" Round Low-Profile Anti-Entrapment Suction Outlet Cover, Vented Riser Ring and Mud Frame</p>	<p>LP8AVWRxxx</p>	<p>Floor: 100 Wall: 70</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>Aquastar</b></p> <p>10" Round Debris Catcher Anti-Entrapment Suction Outlet Cover and Mud Frame</p>	<p>10LTxxx</p>	<p>Floor Only: 60</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>Aquastar</b></p> <p>20" Full Circle Suction Outlet Cover and One-Port Manufactured Sump</p>	<p>FCxxx</p>	<p>Floor Only: 196.4</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>32" Channel Drain Anti-Entrapment Suction Outlet Cover and Three-Port Manufactured Sump - Unblockable Drain Multiple Pipe Connection</p> <p>For <i>Fiberglass</i> For <i>Standard Concrete</i> For <i>Vinyl</i></p>	<p>32CDAVFGxxx 32CDAVxxx 32CDAVVxxx</p>	<p>Floor: 236 Wall: 136</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>32" Channel Drain <i>Flat Grate</i> Anti-Entrapment Suction Outlet Cover and Three-Port Manufactured Sump – Unblockable Drain Multiple Pipe Connection</p> <p>For <i>Fiberglass</i> For <i>Standard Concrete</i> For <i>Vinyl</i></p>	<p>32CDFLFGxxx 32CDFLxxx 32CDFLVxxx</p>	<p>Floor: 316 Wall: 208</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>
	<p><b>AquaStar</b></p> <p>32" Channel Drain <i>Debris Catcher</i> Suction Outlet with ABS Three-Port Manufactured Sump – Unblockable Drain Multiple Pipe Connection</p> <p>For <i>Fiberglass</i> For <i>Vinyl</i></p>	<p>32CDLTFGxxx 32CDLTVxxx</p>	<p>Floor/Wall: 236 GPM</p>	<p><u>Sump Depth</u> 3" minimum to pipe</p>

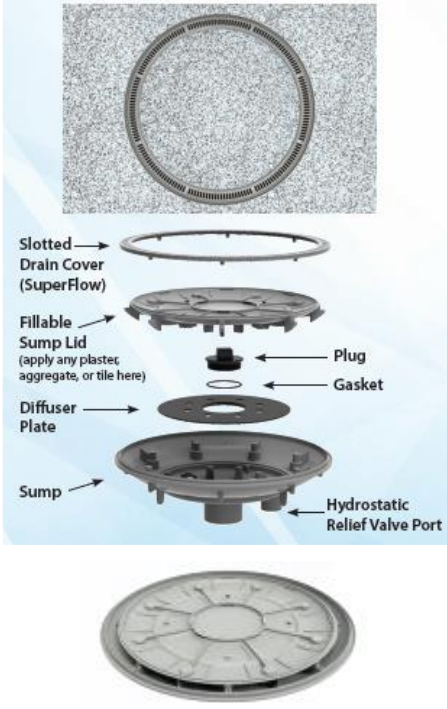
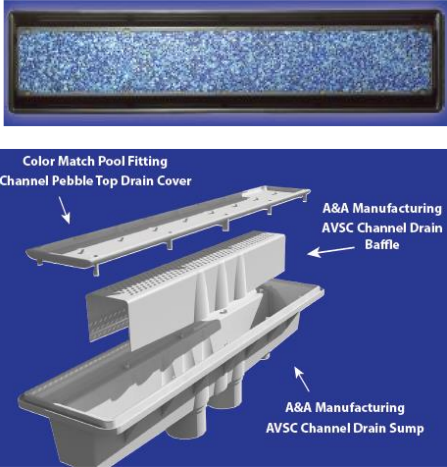
VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>32" Channel Drain <i>Debris Catcher</i> Suction Outlet with ABS Three-Port Manufactured Sump – Unblockable Drain Multiple Pipe Connection</p> <p><i>For Standard Concrete</i></p>	32CDLTxxx	Floor/Wall: 236 GPM	<u>Sump Depth</u> 3" minimum to pipe
	<p><b>AquaStar</b></p> <p>32" Channel Drain <i>Pinhole</i> Anti-Entrapment Suction Outlet Cover and Three-Port PVC Manufactured Sump– Unblockable Drain Multiple Pipe Connection</p> <p><i>For Standard Concrete</i></p>	32CDPHxxx	Floor: 268 Wall: 172	<u>Sump Depth</u> 3" minimum to pipe
	<p><b>AquaStar</b></p> <p>32" Channel Drain <i>Pinhole</i> Anti-Entrapment Suction Outlet Cover, ABS Three-Port Manufactured Sump – Unblockable Drain Multiple Pipe Connection</p> <p><i>For Fiberglass</i></p>	32CDPHFGxxx	Floor: 268 Wall: 172	<u>Sump Depth</u> 3" minimum to pipe



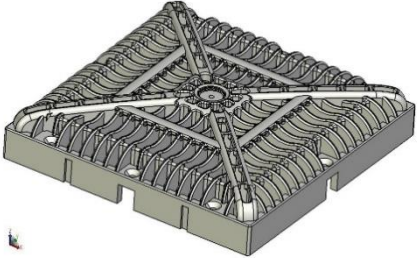
VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>AquaStar</b></p> <p>32" Channel Drain <i>Pinhole</i> Anti-Entrapment Suction Outlet Cover, ABS Three-Port Manufactured Sump – Unblockable Drain Multiple Pipe Connection</p> <p>For <i>Vinyl</i></p>	32CDPHVxxx	Floor: 268 Wall: 172	<u>Sump Depth</u> 3" minimum to pipe
	<p><b>AquaStar</b></p> <p>4" Round Hockey Puck Sumpless Suction Outlet Cover</p>	4HPxxx	Wall: 56 (only)	Sumpless
	<p><b>AquaStar</b></p> <p>6" Round Hockey Puck Sumpless Suction Outlet Cover, HydroAir/ITT Replacement</p>	6HPxxx	<u>2" Pipe</u> Floor: 224 Wall: 224  <u>1.5" Pipe</u> Floor: 177 Wall: 122	Sumpless
	<p><b>AquaStar</b></p> <p>8" Round Hockey Puck Sumpless Suction Outlet Cover and Mud Frame</p>	8HPxxx	Floor: 224 Wall: 224	Sumpless


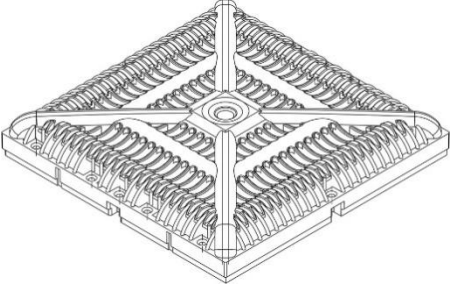
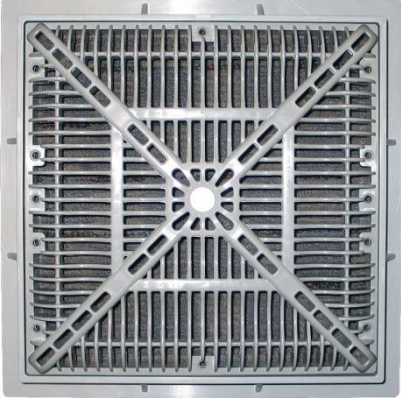
VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Color Match Fittings</b></p> <p>8" Drain Cover with Mounting Ring and Riser Ring</p>	8-AV-XXXX	<p><u>2" Pipe</u> Floor: 112 Wall: 76</p> <p><u>3" Pipe</u> Floor: 148 Wall: 100</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
 <p>White</p>	<p><b>Color Match Fittings</b></p> <p>8" Pebble Top Drain Cover with Mounting Ring and Riser Ring</p>	8-PTD-XXXX	<p><u>2" Pipe</u> Floor: 112 Wall: 76</p> <p><u>3" Pipe</u> Floor: 144 Wall: 100</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
	<p><b>Color Match Fittings</b></p> <p>10" Drain Cover with Mounting Ring and Riser Ring</p>	10-AV-XXXX	<p><u>2" Pipe</u> Floor: 152 Wall: 152</p> <p><u>3" Pipe</u> Floor: 184 Wall: 144</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
 <p>White</p>	<p><b>Color Match Fittings</b></p> <p>10" Pebble Top Drain Cover with Mounting Ring and Riser Ring</p>	10-PTD-XXXX	<p><u>2" Pipe</u> Floor: 156 Wall: 148</p> <p><u>3" Pipe</u> Floor: 180 Wall: 144</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>

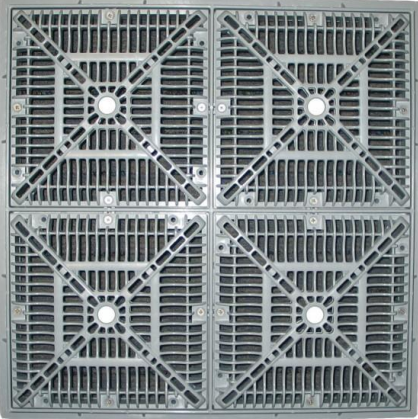


VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
 <p>Fillable Drain Cover</p> <p>Universal Riser Ring (with built-in adaptor plate)</p>	<p><b>Color Match Fittings</b></p> <p>10" Retrofit Pebble Top with Universal Adaptor Plate</p>	<p>10RPTD-XXX</p>	<p><u>2" Pipe</u> Floor: 156 Wall: 108</p> <p><u>3" Pipe</u> Floor: 180 Wall: 112</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
 <p>Slotted Drain Cover (SuperFlow)</p> <p>Fillable Sump Lid (apply any plaster, aggregate, or tile here)</p> <p>Diffuser Plate</p> <p>Sump</p> <p>Plug</p> <p>Gasket</p> <p>Hydrostatic Relief Valve Port</p>	<p><b>Color Match Fittings</b></p> <p>360 Pebble Top Drain – 20" Unblockable Superflow</p>	<p>SuperFlow 360</p>	<p><u>2.5" Pipe</u> Floor: 300</p> <p><u>3"/4" Pipe</u> Floor: 360</p>	<p>Mfg. Sump</p>



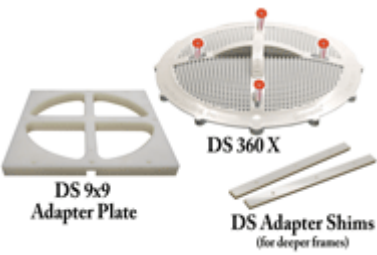



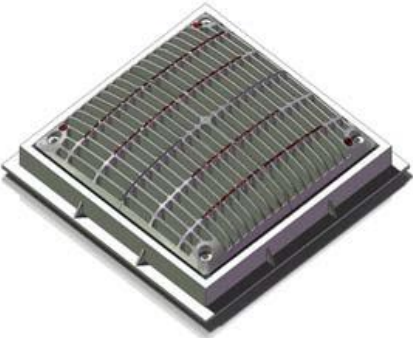
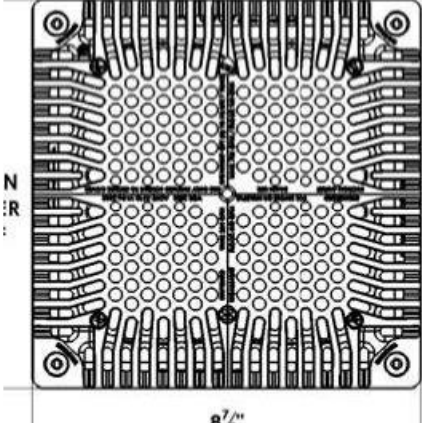
VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Color Match Fittings</b></p> <p>360 Pebble Top Drain – 20" Unblockable Openflow</p>	<p>OpenFlow 360</p>	<p><u>2.5" Pipe</u> Floor: 220</p> <p><u>3"/4" Pipe</u> Floor: 240</p>	<p>Color Match Mfg. Sump</p>
	<p><b>Color Match Fittings</b></p> <p>Channel Pebble Top Drain Cover</p>	<p>AAM-PTD-XX</p>	<p><u>3" Single</u> 200</p> <p><u>3" Dual</u> 208</p>	<p>A &amp; A Manufacturing Sump and Baffle – See mfg. spec sheet</p>


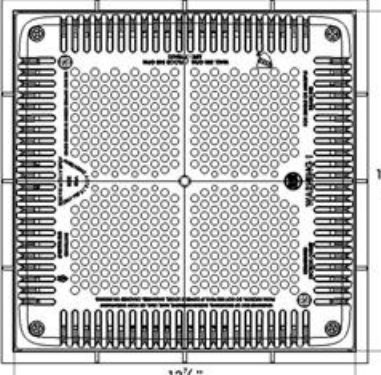

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Color Match Fittings</b>  8-Inch Retrofit	Retro8-xxx	Floor: 156 Wall: 88	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter  <u>Pipe Size</u> 2" to 2.5"
	<b>Color Match Fittings</b>  10-Inch Retrofit	Retro10-xxx	<u>2" Pipe</u> Floor: 188 Wall: 144  <u>2.5" Pipe</u> Floor: 204 Wall: 124  <u>3" Pipe</u> Floor: 228 Wall: 200	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter  <u>Pipe Size</u> 2" to 3"
	<b>Custom Molded Products</b>  Square Drain - 9" x 9"	25508-09x	Floor: 120 Wall: 120	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter  <u>Pipe Size</u> 3" minimum

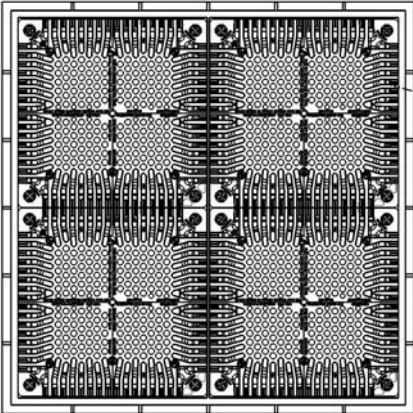
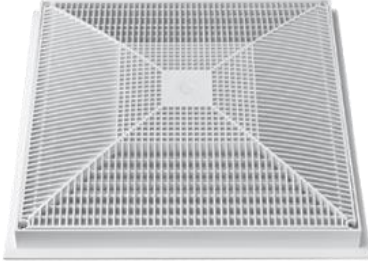

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Custom Molded Products</b></p> <p>Square Drain and <b>Frame</b> - 9"x 9"</p>	25508-09x	Floor: 120 Wall: 120	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p> <p><u>Pipe Size</u> 3" minimum</p>
	<p><b>Custom Molded Products</b></p> <p>Square Drain - 12"x 12"</p>	25508-12x	Floor: 232 Wall: 232	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p> <p><u>Pipe Size</u> 5" minimum</p>
	<p><b>Custom Molded Products</b></p> <p>Square Drain and <b>Frame</b> - 12"x 12"</p>	25508-12x	Floor: 232 Wall: 232	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p> <p><u>Pipe Size</u> 5" minimum</p>

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Custom Molded Products</b>  18" x 18"	25508-18x	Floor: 424 Wall: 424	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter  <u>Pipe Size</u> 5" minimum
	<b>Custom Molded Products</b>  32" Channel Drain - Unblockable	25506-32x	<u>Outer Ports Only – 2.5"</u> Floor: 308 Wall: 212  <u>Outer Ports Only – 2"</u> Floor: 268 Wall: 192  <u>Center Port Only – 2.5"</u> Floor: 200 Wall: 168  <u>Center Port Only – 2"</u> Floor: 184 Wall: 176	<u>Pipe Size</u> 2" minimum
	<b>Custom Molded Products</b>  Galaxy	25513-00x 25513-10x 25514-00x 25515-00x 25516-00x 25519-00x 25513-00x 25537-00x 25539-00x 25539-10x 25548-00x	Floor: 95 Wall: 84	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter  <u>Pipe Size</u> 1.5" minimum


VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Custom Molded Products</b>  NOVA	25513-26x 25513-4xx 25513-5xx 25513-6xx 25515-5xx 25516-26x 25516-4xx 25516-5xx 25517-5xx 25539-5xx 25539-6xx 25548-5xx	<u>1.5" Pipe</u> Floor: 140 Wall: 118  <u>2" Pipe</u> Floor: 150 Wall: 118	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter  <u>Pipe Size</u> 1.5" minimum
	<b>DrainSafe</b>	DS360	Floor: 123 Wall: 123	<u>Sump Diameter</u> 5" to 8" only -or- Cut off pipe at ½" to 2.5" from cover  <u>Pipe Size</u> 2.5" max
	<b>DrainSafe</b>  Cover with Adaptor Plate	DS360x	Floor: 160 (only)	<u>Sump Diameter</u> 9" x 9"  <u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter




VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Hayward</b></p> <p>8-inch round – Can only be used on main drains</p>	<p>WG1048e</p>	<p>Floor: 125 Wall: 72</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
	<p><b>Hayward</b></p> <p>9"x9" Low Flow</p>	<p>WG1031BLV</p>	<p>Floor: 190 Wall: 108</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
	<p><b>Hayward</b></p> <p>9"x9" High Flow</p>	<p>WG1031BHF</p>	<p>Floor: 264 Wall: 224</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Hayward</b></p> <p>12"x12" Low Flow</p>	<p>WG1032BLV</p>	<p>Floor: 392 Wall: 260</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
	<p><b>Hayward</b></p> <p>12"x12" High Flow</p>	<p>WG1032BHF</p>	<p>Floor: 515 Wall: 308</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>
	<p><b>Hayward</b></p> <p>18"x18" Low Flow</p>	<p>WG1033BLV</p>	<p>Floor: 520 Wall: 520</p>	<p><u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter</p>





VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Hayward</b>  18"x18" High Flow	WG1033BHF	Floor: 812 Wall: 732	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Lawson</b> 9"x9"  12"x12"  18"x18"	<b>No Sump</b> MLD-FG-0909  MLD-FG-1212  MLD-FG-1818  <b>With Sump</b> MLD-SG-0909  MLD-SG-1212  MLD-SG-1818	<u>Floor/Wall</u> 261/248  365/340  816/712  261/248  365/340  816/712	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Neptune Benson</b>  30"x30"	Aegis	Floor: 1432 Wall: 1120	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter  Approved to cover sump up 24"x24" in size




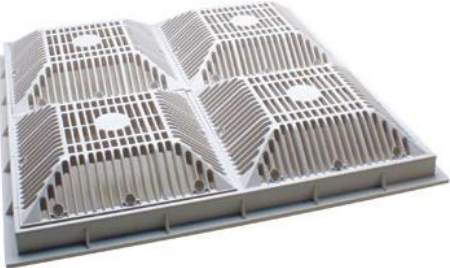



VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Paddock</b>  20"X 20"	2020 PCDC	Floor: 1200 (only)	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Paddock</b>  24"x 24"	2424 PCDC	Floor: 1420 Wall: 1420	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Paddock</b>  24"x 24" Flat Cover	2424 PCFC	Floor: 915 Wall: 915	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Paddock</b>  20"x 40"	2020 PCGO	Floor: 1960 Wall: 1960	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Paramount</b></p> <p>Only allowed on main drains – unless individually approved</p>	SDX Retro	Floor: 200 Wall: 192	Sumpless – Main drain only
	<p><b>Paramount SDX2 Retro</b></p> <p>Retrofits suction fittings up to 10" diameter</p>	SDX2 Retro	<p><u>Single</u>            Floor: 188            Wall: 154</p> <p><u>Dual</u>            Floor: 188            Wall: 154</p> <p><u>Tri</u>            Floor: 282            Wall: 231</p> <p><u>Quad</u>            Floor: 376            Wall: 308</p>	Sumpless  <u>Pipe Size</u> Minimum 1.5" Pipe up to 4" Pipe
	<p><b>Pentair</b></p>	StarGuard 8"	Floor: 144 Wall: 112	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Waterway</b></p> <p>Super Maxi Flow for Skimmer Equalizer</p>	<p>640-801x</p> <p>640-803x</p>	<p>164 gpm</p> <p>106 gpm</p>	<p>Sumpless</p>
	<p><b>Waterway</b></p> <p>SPC-3V without vacuum break</p>	<p>640-358x</p>	<p>180 gpm</p>	<p>Sumpless</p>
	<p><b>Waterway</b></p> <p>6" Equalizer Cover</p>	<p>640-8200</p> <p>640-8220</p> <p>640-8240</p>	<p>191 gpm</p> <p>136 gpm</p> <p>77 gpm</p>	<p>Sumpless</p>
	<p><b>Waterway</b></p> <p>Tru Flo 8" Covers</p>	<p>640-180x</p>	<p>Floor: 153</p> <p>Wall: 96</p>	<p><u>Distance from Pipe to Cover</u></p> <p>At least 1.5x pipe diameter</p>

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Waterway</b>  Tru Flo 10" Covers	640-190x	Floor: 200 Wall: 136	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Waterway</b>  10" Ultra Retro Drains	640-213x	Floor: 224 Wall: 192	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Waterway</b>  10" Ultra-Retro Drains - Vinyl	640-214x	Floor: 224 Wall: 192	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Waterway</b>  8" Anti-Vortex Drains	640-231x	Floor: 100 Wall: 64	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<b>Waterway</b>  9" x 9"	640-479x	Floor: 289 Wall: 208	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Waterway</b>  12" x 12"	640-472x	Floor: 356 Wall: 280	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Waterway</b>  24"x24"	640-476x	Floor: 2035 (only)	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter
	<b>Waterway</b>  18" x 18"	640-477x	Floor: 788 (only)	<u>Distance from Pipe to Cover</u> At least 1.5x pipe diameter

VGB Approved Drain Cover	Manufacturer/Description	Model #	Max Flow in GPM	Sump Info
	<p><b>Waterway</b></p> <p>32" Ultra Strip Drain</p>	<p>640-132x</p>	<p><u>Outer Ports</u>  Floor: 352  Wall: 304</p> <p><u>Center Port</u>  Floor: 288  Wall: 232</p>	<p>Sump  Included</p>