



VGB 2008 Suction Outlet Retro-Fit Cross-Reference Chart



**REPLACE YOUR SUCTION OUTLET COVERS WITH APPROVED, USPC CERTIFIED, SAFETY SUCTION OUTLET COVERS
ALL AQUASTAR POOL PRODUCTS ANTI-ENTRAPMENT SUCTION OUTLETS BELOW
MEET OR EXCEED CURRENT NSP 50/ASME/ANSI A112.19.8a-2008 NATIONAL STANDARDS**

VGB SERIES PART #*	PART DESCRIPTION	ASME/ANSI "2007" COMPLIANT GPM & fps	GPM at 1.5 fps	Sq. In. Openings	AquaStar (Pre-VGB "2007" Series)	Hayward	DS360/ New Water Solutions	Pentair #1 Selling Model***/ Sta-Rite	Am. Pool Products/ PAC-FAB/ (Pentair #2 Selling Model)***	Waterway
RFS9xxx**	9"x9" Square Retro-Fit to 8" AE Cover with 2 Different Screw Sets	Floor: 88 GPM at 3.2 fps Wall: 70 GPM at 2.6 fps	41	8.8	YES but sits 1/4" higher	YES	Remove Cover to Determine Frame/ Sump Size	NO	YES	YES
LPRFS9xxx**	9"x9" Square Retro-Fit to 8" Low Profile AE Cover with 2 Different Screw Sets	Floor: 100 GPM at 4.2 fps Wall: 70 GPM at 2.9 fps	36	7.7	YES but sits 1/4" higher	YES	Remove Cover to Determine Frame/ Sump Size	NO	YES	YES
RFS12xxx**	12"x12" Square Retro-Fit to 10" AE Cover with 3 Different Screw Sets	Floor: 206 GPM at 5.8 fps Wall: 96 GPM at 2.8 fps	52	11.2	YES but sits 1/4" higher	YES	N/A	NO	YES	YES
WAV9xxx	9"x9" Square Wave Grate and Frame with 4 Screws	Floor: 224 GPM at 1.6 fps Wall: 224 GPM at 1.6 fps	207	44.2	AquaStar's Original Frame YES	NO	Remove Cover to Determine Frame/ Sump Size	YES	NO	NO
RWAV9xxx**	9"x9" Square Wave Grate with 3 Different Screw Sets	Floor: 224 GPM at 1.6 fps Wall: 224 GPM at 1.6 fps	207	44.2	YES but sits 1/4" higher	YES	Remove Cover to Determine Frame/ Sump Size	NO	YES	YES
WAV12xxx	12"x12" Square Wave Grate and Frame with 4 Screws	Floor: 361 GPM at 1.3 fps Wall: 361 GPM at 1.3 fps	400	85.2	AquaStar's Original Frame YES	NO	N/A	YES	NO	NO
RWAV12xxx**	12"x12" Square Retro-Fit Wave Grate with 3 Different Screw Sets	Floor: 361 GPM at 1.3 fps Wall: 361 GPM at 1.3 fps	400	85.2	YES but sits 1/4" higher	YES	N/A	NO	YES	YES
LP8MHxxx	8" Low Profile AE Skimmer Equalizer Conversion Kit with Screws	Floor: 100 at 4.2 fps Wall: 70 at 2.9 fps	36	7.7	YES #4RNDRBxxx	N/A	N/A	YES #8011	N/A	N/A

*See AquaStar Color Chart for Part Ending #s / Color Codes: 100=Clear, 101=White, 102=Black, 103=Light Gray, 104=Blue, 105=Dark Gray, 106=Bone, 107=Taupe, 108=Tan

**Frames sold separately; Part #s: RFSFR9xxx, RFSFR12xxx

***Pentair (and all their related brands) have sold 3-5 different sized frames, etc. for every part # it manufactured

BE A POOL AND SPA PROFESSIONAL! ALWAYS FOLLOW AND UNDERSTAND AQUASTAR'S "INSTALLATION INSTRUCTIONS" THOROUGHLY. COMPLIANCE TO THE NEW "2008" VGB STANDARD DOES NOT STOP WITH THE INSTALLATION OF THE COMPLIANT COVER ONLY. THE EXISTING FRAME MUST BE IN GOOD CONDITION, OR IT SHOULD ALSO BE REPLACED; THE SUMP NEEDS TO BE AT LEAST THREE (3) INCHES IN DEPTH; AND THE NEW SCREWS MUST SECURELY FASTEN TO THE FRAME. READ THE INSTRUCTIONS! DOWNLOAD FEDERALLY REQUIRED C.P.S.C. "VGB 2008 CERTIFICATE OF COMPLIANCE" ON WEBSITE UNDER "NEWS & INFORMATION" SECTION.

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VGB SERIES PART #*	PART DESCRIPTION	ASME/ANSI "2008" COMPLIANT GPM & fps	Sq. In. Openings	Afras/ ABF/ Splash	Am. Pool Products/ PacFab	Color Match	Custom Molded	Hayward	New Water Solutions/ Triodyne	Advanced (APP)	Pentair	Sta-Rite/ Swimquip & Polaris/ Caretaker	Waterway
8AVxxx	8" AE Cover with Frame and 2 Different Screw Sets	Floor: 88 at 3.2 fps Wall: 70 at 2.6 fps F/W: 41 at 1.5 fps	8.8		NLA American #86105100 (Brass Insert & Self-Tap)**	All 8" Rings Including FL, AV, PTD	25539-00 Series (All Colors)		All Models ****		86105000 & 86107000 Series		640-2310 and Others
8CCxxx	8" AE Cover with Clear/Color Choice Fillable Insert, Frame and 2 Different Screw Sets	Floor: 108 at 3.4 fps Wall: 76 at 2.4 fps F/W: 48 at 1.5 fps	10.1		NLA American #86105100 (Brass Insert & Self-Tap)**	All 8" Rings Including FL, AV, PTD	25539-00 Series (All Colors)		All Models ****		86105000 & 86107000 Series		640-2310 and Others
LP8AVxxx	8" Low-Profile AE Cover with Frame and 2 Different Screw Sets	Floor: 100 at 4.2 fps Wall: 70 at 2.9 fps F/W: 36 at 1.5 fps	7.7		NLA American #86105100 (Brass Insert & Self-Tap)**	All 8" Rings Including FL, AV, PTD	25539-00 Series (All Colors)		All Models ****		86105000 & 86107000 Series		640-2310 and Others
RLP8AVxxx	8" Retro-Fit Low-Profile AE Cover, 2 Plastic Bushings and 3 Different Screw Sets	Floor: 100 at 4.2 fps Wall: 70 at 2.9 fps F/W: 36 at 1.5 fps	7.7	All Afras/ Alloy Brass (ABF 64 etc.)/ NLA Splash			25535-000 & 25537-000 Series	NLA & SP1030 & SPX1048 Series	All Models ****	APP*** NLA		07017-0741/ Polaris/ Caretaker	
10AVxxx	10" AE Cover with Frame and 1 Screw Set	Floor: 206 at 5.8 fps Wall: 96 at 2.8 fps F/W: 53 at 1.5 fps	11.2			All 10" Rings Including FL, AV, PTD							10" 640-3110\$
32CDFLACFRxxx	32" Channel Drain, Flat Grate Debris Catcher, with Frame and 1 Screw Set	Floor: 316 at 2.0 fps Wall: 208 at 1.3 fps F/W: 236 at 1.5 fps	50.1	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$
32CDAVFRxxx	32" Channel Drain, AV Style, with Frame and 1 Screw Set	Floor: 236 at 3.4 fps Wall: 136 at 1.9 fps F/W: 106 at 1.5 fps	22.6	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$
32CDFLFRxxx	32" Channel Drain, Flat Grate, with Frame and 1 Screw Set	Floor: 316 at 3.9 fps Wall: 208 at 2.6 fps F/W: 122 at 1.5 fps	25.9	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$

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 ** "American Products" is printed on bottom of existing cover along the rim
 *** "A.P.P." is printed on top and center of existing cover
 **** New Water Solutions: Remove cover to determine frame/sump size; Triodyne: Fits on either side of ring with use of 1/8" drill
 \$Waterway 10" drain covers: Special order #316 stainless steel screws for existing threaded inserts
 \$\$Replace ALL existing SINGLE non-compliant 8" or 9" cover/grates etc. with field fabricated sumps by using AquaStar's 32" Channel Drain with mud frame.

NOTES:

- For best fit, Aquastar's existing guide "tits" under lid near screw holes should be "knocked off" when replacing other brand
- There may be some differential in other brand's part #s due to color suffixes etc
- NLA = No longer available
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18"x18" Four (4) LPRFS9xxx	Four (4) LPRFS9xxx to retrofit to existing 18"x18" Frame with 2 Different Screw Sets (Does not come with frame)	Floor: 400 GPM at 4.2 fps	164	30.8	YES but sits 1/4" higher	YES	N/A	YES but sits 1/4" higher	YES in window-grid style frames	N/A
18"x18" Four (4) RWAV9xxx	Four (4) RWAV9xxx to retrofit to existing 18"x18" Frame with 2 Different Screw Sets (Does not come with frame)	Floor: 775 GPM at 1.4 fps	828	176.8	YES but sits 1/4" higher	YES	N/A	YES but sits 1/4" higher	YES in window-grid style frames	N/A
WAV18xxx	Four (4) WAV9xxx to retrofit to existing 18"x18" Frame with 16 Screws (Comes with frame)	Floor: 775 GPM at 1.4 fps	828	176.8	AquaStar's Original Frame YES	NO	N/A	YES	YES in window-grid style frames	N/A
24"x24" Four (4) RFS12xxx	Four (4) RFS12xxx to retrofit to existing 24"x24" Frame w/ 3 Different Screw Sets (does not come with frame)	Floor: 824 GPM at 5.8 fps	208	44.8	YES but sits 1/4" higher	YES	N/A	NO	YES in window-grid style frames	N/A
24"x24" Four (4) RWAV12xxx	Four (4) RWAV12xxx to retrofit to existing 24"x24" Frame w/ 3 Different Screw Sets (does not come with frame)	Floor: 1444 GPM at 1.3 fps	1600	340.8	YES but sits 1/4" higher	YES	N/A	NO	YES in window-grid style frames	N/A
24xxx	Four (4) 12"x12" Flat Grates to retrofit to existing 24"x24" Frame with 16 Screws (Comes with SS frame)	Floor: 1496 GPM at 1.4 fps	1645	352	AquaStar's Original Frame YES	NO	N/A	YES	NO	N/A
WAV24xxx	Four (4) WAV12xxx to retrofit to existing 24"x24" Frame with 16 Screws (Comes with SS frame)	Floor: 1444 GPM at 1.3 fps	1600	340.8	AquaStar's Original Frame YES	NO	N/A	YES	NO	N/A
16xxx (Available in 2/09)	16"x16" Square with Retrofit Sub-Frames to fit ALL existing, old & new, 12"x12" Square Frames & Sumps with Screws	Floor: 493 GPM at 1.5 fps (pending IAPMO final)	493	105	FITS ALL EXISTING, OLD & NEW, 12"x12" Frames and Sumps					

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