

# 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 NSF 50/ASME/ANSI A112.19.8a-2008 national standards.

VGB SERIES PART #*	PART DESCRIPTION	ASME/ANSI 2008 COMPLIANT GPM AND FPS	GPM AT 1.5 FPS	SQ. IN. OPENINGS	AQUASTAR (PRE-VGB 2008 SERIES)	HAYWARD	DS360/ NEW WATER SOLUTIONS	PENTAIR #1 SELLING MODEL***/ STA-RITE	AM. POOL PRODUCTS/ PAC-FAB/ (PENTAIR #2 SELLING MODEL)***	WATERWAY
RFS9xxx**	9" x 9" square retro-fit to 8" AE cover with two screw sets	Floor: 88 GPM at 3.2 fps Wall: 70 GPM at 2.6 fps	41	8.8	YES, all 9", but sits ¼" higher	YES, all 9"	Remove cover to determine frame/sump size	NO	YES, all 9"	YES, all 9"
RSUN9xxx**	9" x 9" square retro-fit to 8" AE cover with two screw sets	Floor: 212 GPM at 3.5 fps Wall: 128 GPM at 2.1 fps	92.6	19.7	YES, all 9", but sits ¼" higher	YES, all 9"	Remove cover to determine frame/sump size	NO	YES, all 9"	YES, all 9"
RFS12xxx**	12" x 12" square retro-fit to 10" AE cover with three screw sets	Floor: 206 GPM at 5.8 fps Wall: 96 GPM at 2.8 fps	53	11.2	YES, all 12", but sits ¼" higher	YES, all 12"	N/A	NO	YES, all 12"	YES, all 12"
RSUN12xxx**	12" x 12" square retro-fit to 10" AE cover with three screw sets	Floor: 280 GPM at 2.5 fps Wall: 280 GPM at 2.5 fps	166	35.3	YES, all 12", but sits ¼" higher	YES, all 12"	N/A	NO	YES, all 12"	YES, all 12"
WAV9xxx	9" x 9" square wave grate and frame with four screws	Floor: 224 GPM at 1.6 fps Wall: 224 GPM at 1.6 fps	207	44.2	AquaStar's original frame 9" YES	NO	Remove cover to determine frame/sump size	YES, all 9"	NO	NO
RWAV9xxx**	9" x 9" square wave grate with three screw sets	Floor: 224 GPM at 1.6 fps Wall: 224 GPM at 1.6 fps	207	44.2	YES, all 9", but sits ¼" higher	YES, all 9"	Remove cover to determine frame/sump size	NO	YES, all 9"	YES, all 9"
WAV12xxx	12" x 12" square wave grate and frame with four screws	Floor: 361 GPM at 1.3 fps Wall: 361 GPM at 1.3 fps	N/A	85.2	AquaStar's original 12" frame YES	NO	N/A	YES, all 12"	NO	NO
RWAV12xxx**	12" x 12" square retro-fit wave grate with three screw sets	Floor: 361 GPM at 1.3 fps Wall: 361 GPM at 1.3 fps	N/A	85.2	YES, all 12", but sits ¼" higher	YES, all 12"	N/A	NO	YES, all 12"	YES, all 12"
SUN9xxx	9" x 9" square retro-fit to 8" AE cover with two screw sets	Floor: 212 GPM at 3.5 fps Wall: 128 GPM at 2.1 fps	92.6	19.7	YES, all 9"	NO	Remove cover to determine frame/sump size	YES, all 9"	NO	NO
SUN12xxx	12" x 12" square retro-fit to 10" AE cover with three screw sets	Floor: 280 GPM at 2.5 fps Wall: 280 GPM at 2.5 fps	166	35.3	YES, all 12"	NO	N/A	YES, all 12"	NO	NO
LP8MHxxx	8" low profile AE skimmer equalizer conversion kit with screws	Floor: 96 at 4.2 fps Wall: 70 at 2.9 fps	36	7.7	YES #4RNDxxx	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 #: RFSFR9xxx, RFSFR12xxx. \*\*\*Pentair (and all related brands) have sold three to five different size frames, etc. for every part # 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 installation of the compliant cover. The existing frame must be in good condition or it should also be replaced; the sump needs to be at least three 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" at [aquastarpoolproducts.com](http://aquastarpoolproducts.com) under News & Information section.

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VGB SERIES PART #*	PART DESCRIPTION	ASME/ANSI 2008 COMPLIANT GPM AND FPS	SQUARE INCH OPENINGS	AFRAS/ABF/SPLASH	AM POOL PRODUCTS	COLOR MATCH	CUSTOM MOLDED	HAYWARD	NEW WATER SOLUTIONS/TRIODYNE	ADVANCED (APP)	PENTAIR	STA-RITE/SWIMQUIP & POLARIS/CARETAKER	WATERWAY
A8xxx	Super High Flow 8" Anti-Entrapment Suction Outlet Cover & Mud Frame	Floor: 145 at 2.9 Wall: 84 at 1.7 F/W: 75 at 1.5	16.0	NO	NLA American #86105100 (brass insert and self-tap)**	All 8" rings including FL, AV, PTD	25539-00 series (all colors)	NO	All 8" models ****	NO	86105000 & 86107000 series	NO	640-2310 and others
8AVxxx	8" AE cover with frame and two screw sets	Floor: 88 at 3.2 Wall: 70 at 2.6 F/W: 41 at 1.5	8.8	NO	NLA American #86105100 (brass insert and self-tap)**	All 8" rings including FL, AV, PTD	25539-00 series (all colors)	NO	All 8" models ****	NO	86105000 & 86107000 series	NO	640-2310 and others
8HPxxx	6" HP cover with 8" base plate	Floor: 224 at 6.3 Wall: 224 at 6.3 F/W: 74.3 at 1.5	15.8	NO	NLA American #86105100 (brass insert and self-tap)**	All 8" rings including FL, AV, PTD	25539-00 series (all colors)	NO	All 8" models ****	NO	86105000 & 86107000 series	NO	640-2310 and others
RLP8AVxxx	8" retro-fit low-profile AE cover with two plastic bushings and three screw sets	Floor: 96 at 4.2 Wall: 70 at 2.9 F/W: 36 at 1.5	7.7	All Afras/ alloy brass (ABF 64 etc.)/ NLA splash	NO	NO	25535-000 and 25537-000 series	NLA & SP1030 & SPX1048 series	All 8" models ****	APP*** NLA	NO	07017-0741/ Polaris/ Caretaker	NO
R8HPxxx	6" HP cover with 8" retrofit base plate	Floor: 224 at 6.3 Wall: 224 at 6.3 F/W: 74.3 at 1.5	15.8	All Afras/ alloy brass (ABF 64 etc.)/ NLA splash	NO	NO	25535-000 and 25537-000 series	NLA & SP1030 & SPX1048 series	All 8" models ****	APP*** NLA	NO	07017-0741/ Polaris/ Caretaker	NO
10AVxxx	10" AE cover with frame and one screw set	Floor: 206 at 5.8 Wall: 96 at 2.8 F/W: 53 at 1.5	11.2	NO	NO	All 10" rings including FL, AV, PTD	NO	NO	NO	NO	NO	NO	10" 640-3110\$
32CDLFRxxx	32" channel drain, flat grate debris catcher, with frame and one screw set	Floor: 196 at 1.3 Wall: 192 at 1.2	50.1	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$
32CDAVFRxxx	32" channel drain, AV style, with frame and one screw set	Floor: 236 at 3.4 Wall: 136 at 1.9 F/W: 106 at 1.5	22.6	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$
32CDFLFRxxx	32" channel drain, flat grate, with frame and one screw set	Floor: 316 at 3.9 Wall: 208 at 2.6 F/W: 122 at 1.5	25.9	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$

\*See AquaStar Color Chart for Part Ending #s / Color Codes: 100=Clear, 101=White, 102=Black, 103=Lt. Gray, 104=Blue, 105=Dk. Gray, 106=Bone, 107=Taupe, 108=Tan. \*\*\*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, must create 3" deep x 32" sump.

NOTES: 1) For best fit, AquaStar's existing guide "tits" under lid near screw holes should be "knocked off" when replacing other brand. 2) There may be some differential in other brands' part #s due to color suffixes, etc. 3) NLA = No longer available. 4) 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. The existing frame must be in good condition or it should also be replaced; the sump needs to be at least three 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" at [aquastarpoolproducts.com](http://aquastarpoolproducts.com) under News & Information section.

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18" x 18" Four RWAV9xxx	Four RWAV9xxx to retrofit to existing 18" x 18" frame includes screws (does not come with frame)	Floor: 628 GPM at 1.1 fps	N/A	176.8	YES but sits ¼" higher	YES, 18" grid frame	N/A	YES but sits ¼" higher	YES in window-grid style frames	N/A
WAV18xxx Four WAV9xxx	Four WAV9xxx to retrofit to existing 18" x 18" frame includes screws (comes with frame)	Floor: 628 GPM at 1.1 fps	N/A	176.8	AquaStar's original frame YES	NO	N/A	YES, 18" grid frame	YES in window-grid style frames	N/A
18" x 18" Four RSUN9xxx	Four RSUN9xxx to retrofit to existing 18" x 18" frame includes screws (does not come with frame)	Floor/wall: 405 GPM at 1.6 fps	370.4	78.8	YES but sits ¼" higher	YES, 18" grid frame	N/A	YES but sits ¼" higher	YES in window-grid style frames	N/A
24" x 24" Four RFS12xxx	Four RFS12xxx to retrofit to existing 24" x 24" frame includes screws (does not come with frame)	Floor: 824 GPM at 5.8 fps	211	44.8	YES but sits ¼" higher	YES 24" grid frame	N/A	NO	YES in window-grid style frames	N/A
24" x 24" Four RWAV12xxx	Four RWAV12xxx to retrofit to existing 24" x 24" frame includes screws (does not come with frame)	Floor/wall: 1444 GPM at 1.3 fps	N/A	340.8	YES but sits ¼" higher	YES 24" grid frame	N/A	NO	YES in window-grid style frames	N/A
24" x 24" Four SUN12xxx	Four SUN12xxx to retrofit to existing 24" x 24" frame includes screws (comes with ss frame)	Floor/wall: 1120 GPM at 2.5 fps	664	141.2	AquaStar's original frame YES	NO	N/A	YES 24" grid frame	NO	N/A
24xxx	Four 12" x 12" flat grates to retrofit to existing 24" x 24" frame includes screws (comes with ss frame)	Floor/wall: 1531 GPM at 1.4 fps	N/A	352	AquaStar's original frame YES	NO	N/A	YES 24" grid frame	NO	N/A
WAV24xxx	Four WAV12xxx to retrofit to existing 24" x 24" frame includes screws (comes with ss frame)	Floor: 1444 GPM at 1.3 fps	N/A	340.8	AquaStar's original frame YES	NO	N/A	YES 24" grid frame	NO	N/A
SUN18xxx Four SUN9xxx	Four SUN9xxx to retrofit to existing 18" x 18" frame includes screws (comes with frame)	Floor/wall: 405 GPM at 1.6 fps	370.4	78.8	AquaStar's original frame YES	NO	N/A	YES, 18" grid frame	YES in window-grid style frames	N/A
1216xxx and R1216xxx	16" x 16" square with retrofit sub-frames to fit all existing, old and new 12" x 12" square frames and sumps includes screws.	Floor: 460 GPM at 1.46 fps Wall: 445 GPM at 1.4 fps	N/A	101	<b>FITS ALL EXISTING, NEW AND OLD 12" x 12" FRAMES AND SUMPS.</b> Also fits over all existing 8" and 10" frames/sumps by directly anchoring to pool finish using part # BIK4 brass anchor/SS screw kit.					
914xxx and R914xxx	14" x 14" square with retrofit sub-frames to fit all existing, old and new 9" x 9" square frames and sumps includes screws.	Floor: 560 GPM at 2.1 fps	394	84	<b>FITS ALL EXISTING NEW AND OLD 9" x 9" FRAMES AND SUMPS.</b> Also fits over all existing 8" and 10" frames/sumps by directly anchoring to pool finish using part # BIK4 brass anchor/SS screw kit.					

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