



# VGBA-2017 PRODUCT SPECIFICATIONS

## Suction Outlet Fitting Assembly (SOFA)

VGBA-2017 Flow Ratings, Sump Dimensions, Sump Flow Path Zone, and Head Loss Curves



Certified to  
NSF/ANSI/CAN 50  
ANSI/APSP/ICC 16 - 2017

**DIRECTIONS:** Please follow the SOFA specific flow rates, sump specifications, and flow path zone information below. The installation must conform to these minimum/maximum requirements including the SOFA dimension defined in Figure 1. The flow path zone is defined by dimensions A through E. The installed sump may be manufactured or field-built and it may be larger/deeper than Figure 1. Please write the Cover Model Number, orientation, and SOFA Model Flow Rating on the *VGBA DRAIN COVER IDENTIFICATION INFORMATION* label that comes with each AquaStar Pool Products, Inc. drain cover.

Cover Model Number:  
9MFxxx

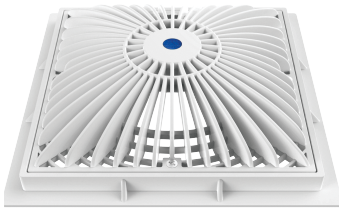
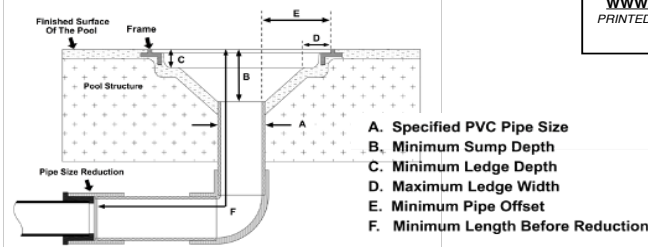
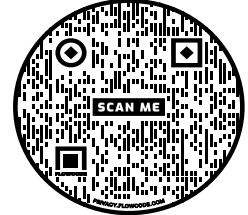


FIGURE 1 – SOFA MODEL & FLOW PATH



FOR MOST CURRENT INFORMATION  
SCAN THE QR CODE OR VISIT  
[WWW.AQUASTARPOOLPRODUCTS.COM/FLOWCODE](http://WWW.AQUASTARPOOLPRODUCTS.COM/FLOWCODE)  
PRINTED DOCUMENTS MAY NOT HAVE THE MOST CURRENT FLOW RATINGS OR INSTALLATION OPTIONS.



SOFA Model No.	Pipe Size (Nominal)	Pipe Depth (Minimum)	Orientation (Wall / Floor)	Flow Rating (GPM)	Head Loss Curve
9MF-9f_A-2b_B3_C1.6_D0.5_E2.8_F16	2" (b)	3"	Floor (f)	170	A
9MF-9f_A-2.5b_B3_C1.6_D0.5_E2.6_F16	2.5" (b)	3"	Floor (f)	186	B
9MF-9f_A-3b_B3_C1.6_D0.5_E2.5_F16	3" (b)	3"	Floor (f)	275	C
9MF-9f_A-4s_B5.6_C1.6_D0.5_E1.7_F16	[Sump P/N 9-3SB] 4" (s)	5.6"	Floor (f)	258	D
9MF-9f_A-4b_B9.8_C1.6_D0.5_E1.8_F16	4" (b)	9.8"	Floor (f)	275	E
9MF-9w_A-1.5b_B3_C1.6_D0.5_E0.6_F16	1.5" (b)	3"	Wall (w)	126	F
9MF-9w_A-2b_B3_C1.6_D0.5_E2.8_F16	2" (b)	3"	Wall (w)	170	G
9MF-9w_A-2.5b_B3_C1.6_D0.5_E2.6_F16	2.5" (b)	3"	Wall (w)	186	H
9MF-9w_A-3b_B3_C1.6_D0.5_E2.5_F16	3" (b)	3"	Wall (w)	200	I
9MF-9w_A-4b_B9.8_C1.6_D0.5_E1.8_F16	4" (b)	9.8"	Wall (w)	275	J

Note 1: "SOFA Model No" nomenclature; bottom pipe = (b), side pipe = (s). See Fig 1 for capital letters A through E

Note 2: Head loss inHg is measured 16 to 24 inches from the finish surface of the pool. Reference Fig 1 dimension F.

