



# 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:  
R1836xxx

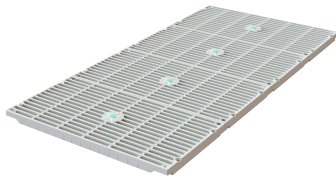
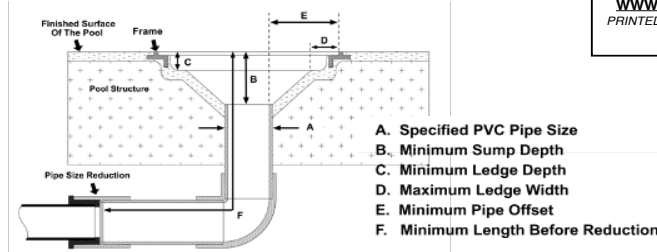
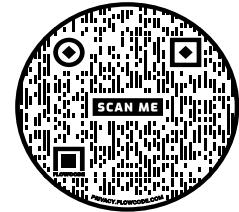


FIGURE 1 – SOFA MODEL & FLOW PATH



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
R1836-18f_A-10b_B6.125_C1_D0.75_E3_F16	10" (b)	6.125"	Floor (f)	1600	A
R1836-18f_A-10s_B4.9375_C0.875_D0.75_E0_F16	10" (s)	5"	Floor (f)	2575	B
R1836-18f_A-12b_B6.125_C1_D0.75_E3_F16	12" (b)	6.125"	Floor (f)	1600	C
R1836-18f_A-12s_B4.9375_C0.875_D0.75_E0_F16	12" (s)	5"	Floor (f)	2575	D
R1836-18f_A-12s_B17.875_C1.25_D1.25_E0_F16	12" (s)	17.875"	Floor (f)	2575	E
R1836-18w_A-10b_B6.125_C1_D0.75_E3_F16	10" (b)	6.125"	Wall (w)	1432	F
R1836-18w_A-10s_B4.9375_C0.875_D0.75_E0_F16	10" (s)	5"	Wall (w)	2240	G
R1836-18w_A-12b_B6.125_C1_D0.75_E3_F16	12" (b)	6.125"	Wall (w)	1432	H
R1836-18w_A-12s_B4.9375_C0.875_D0.75_E0_F16	12" (s)	5"	Wall (w)	2240	I
R1836-18w_A-12s_B17.875_C1.25_D1.25_E0_F16	12" (s)	17.875"	Wall (w)	2320	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.

