



No. 3395RB: Stainless Steel with Viton Rubber Poppet
No. 3400RB: Stainless Steel with Precision-Machined Poppet

DESCRIPTION/FEATURES

The Strataflo modular stainless steel check valve uses a patent-pending design that is quickly and easily customizable to nearly any application. End caps of all types, including standard NPT, hydraulic and barbed, can be integrated using our universal body design and innovative poppet system. Strataflo's unique design can eliminate unnecessary fittings, thus saving material costs and installation time. The valves feature a sensitive spring that closes the poppet automatically, regardless of its position. The valves are designed to withstand a maximum working pressure of 3,000 psi, with a maximum temperature of 350°F. Cracking pressure is 1-2 lbs., with alternate spring tensions available.

Fluid Power: Connections available with standard JIC 37° Flare, in both male and female, hose sizes -8, -10, and -12. Also available with SAE Straight Thread O-Ring Boss connections, in both male and female, hose sizes -8, -10, and -12.

Standard Pipe and Hose Connections: Applications of any type can utilize the standard NPT and Hose Barbed Ends offered in the modular series. NPT threads are available in 1/4" – 3/4", male and female. Barbed ends in 1/4" and 3/8".

How to order: Determine the type of seal and desired end connections. If two separate end connections are needed, designate the inlet end first.

Example 1: Viton seal with 1/2" NPT ends = 3395RB-050.

Example 2: Stainless steel seal with 3/4" NPT inlet and a male JIC-12 outlet = 3400RB-075-J12M.

Custom Overall Length*: To determine overall length for custom end combinations, add the length of each end connection (A) to the valve body length of 1.83".

Assembly Instructions: End connections should only use factory-supplied Viton o-ring. Install end connections to body using 55 ft/lbs of torque.

Seal	Connection	Ends		Overall Length		Flow Rates	
		Length (A)	(C)*	Fluid Cv	Air (GPM @ 1 psi loss)		
(SCFM @ 100 psi)	Hose 1/4" (H25)	1.20"	4.23"	0.5	27		
	Hose 3/8" (H38)	1.20"	4.23"				
	NPT 1/4" (025)	0.40"	2.63"				
	Viton (3395RB) Metal (3400RB)	NPTM 1/4" (025M)	1.00"	3.83"	1.1	30	
		NPT 3/8" (038)	0.40"	2.63"			
		NPTM 3/8" (038M)	1.00"	3.83"			
			NPT 1/2" (050)	0.40"	2.63"	3.9	32
			NPTM 1/2" (050M)	1.00"	3.83"		
			JIC - 8 (J8)	0.85"	3.53"		
				JIC - 8 Male (J8M)	1.18"	4.19"	4.3
JIC - 10 (J10)				0.85"	3.53"		
JIC - 10 Male (J10M)				1.18"	4.19"		
				SAE -10 (S10)	0.75"	3.33"	9.0
	SAE -10 Male (S10M)			0.85"	3.53"		
	NPT 3/4" (075)			0.74"	3.31"		
				NPTM 3/4" (075M)	1.00"	3.83"	9.0
		JIC -12 (J12)		0.87"	3.57"		
		JIC -12 Male (J12M)		1.20"	4.23"		
		SAE -12 (S12)		0.87"	3.57"		
		SAE -12 Male (S12M)	0.80"	3.43"			