

Job	Representative	
Unit tag	Order number	Date
Engineer	Submitted by	Date
Contractor	Approved by	Date



Check-Trol™

Isolation Flow Control Flange

The Check-Trol flange is a combination of isolation valve, flow control valve, and companion flange for circulators. The ball valve allows the circulator to be removed from the system without draining the system. The internal spring check prevents gravity circulation. Free floating companion flange makes pump installation a snap. The Check-Trol flange is packaged with an isolation flange of the same size to create a pair. Capscrews and nuts are included.

Construction materials

Valve body: Lead-Free† Brass

Flange: Chrome Plated Steel

Ball: Chrome Plated Lead-Free† Brass

Packing: PTFE

Seat ring: PTFE

Stem: Lead-Free† Brass

Spring check: Nitrile, Acetal,
Stainless Steel

Operating data

Maximum working pressure:
150 psig (10 bar)

Temperature range: 200°F (93°C)

† CSA certified to NSF/ANSI 372 that product contains less than 0.25% lead content by weight on wetted surface.

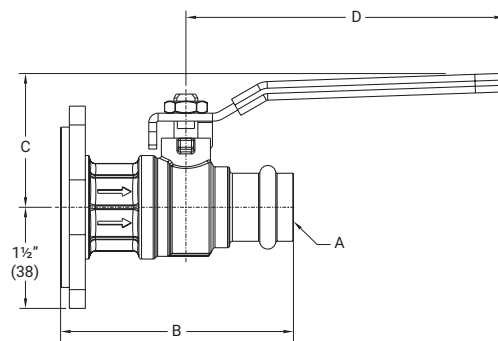
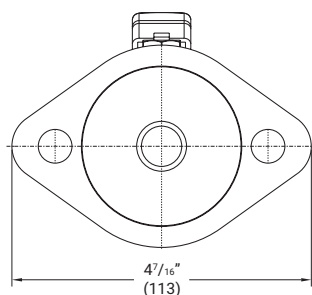
Schedule

Part number	Size (in.)	Model	Use with following Bell & Gossett Circulators	Tagging	Quantity
101231LF	¾" NPTI X FL	CTF-3/4	ecocirc 20-18 and ecocirc 20-18+ ecocirc XL 20-35, 36-45, 55-45 NRF/NBF/SSF Wet Rotor* Series PL-30, PL-36, PL-55 Series 100, PR, and LR		
101232LF	1" NPTI X FL	CTF-1			
101233LF	1¼" NPTI X FL	CTF-1-1/4			
101245LF	1½" NPTI X FL	CTF-1-1/2			
101236LF	¾" SWT X FL	CTFS-3/4			
101237LF	1" SWT X FL	CTFS-1			
101238LF	1¼" SWT X FL	CTFS-1-1/4			
101247LF	1½" SWT X FL	CTFS-1-1/2			
101251LF	¾" PC X FL	CTFP-3/4			
101252LF	1" PC X FL	CTFP-1			
101253LF	1¼" PC X FL	CTFP-1-1/4			
101254LF	1½" PC X FL	CTFP-1-1/2			

NPTI - National Pipe Thread Internal SWT - Sweat Fitting PC - Press Connect FL - Flange Connection * Not with NRF/NBF-45

Check-Trol™ Isolation Flow Control Flange

NOTE: this is the default model if no additional PT ports or bypass is required



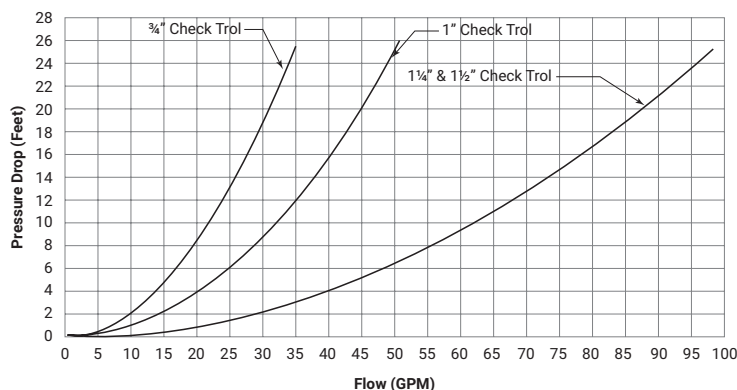
Part no.	Dimensions - inches (mm)				Approx. shipping weight - lbs (kg)
	A	B	C	D	
101231LF	3/4" NPTI	3 7/64" (79.0)	2" (50.5)	4 23/32" (120.0)	3.4 (1.5)
101232LF	1" NPTI	3 15/16" (100.0)	2 5/32" (54.7)	4 23/32" (120.0)	4.4 (2.0)
101233LF	1 1/4" NPTI	4 25/32" (121.4)	3" (75.9)	6 7/32" (158.0)	6.3 (2.8)
101245LF	1 1/2" NPTI	4 27/32" (122.9)	3" (75.9)	6 7/32" (158.0)	6.6 (3.0)
101236LF	3/4" SWT	3 21/64" (84.5)	2" (50.5)	4 23/32" (120.0)	3.4 (1.5)
101237LF	1" SWT	4 1/64" (102.0)	2 5/32" (54.7)	4 23/32" (120.0)	4.2 (1.9)
101238LF	1 1/4" SWT	4 55/64" (123.4)	3" (75.9)	6 7/32" (158.0)	5.9 (2.7)
101247LF	1 1/2" SWT	5 1/64" (127.4)	3" (75.9)	6 7/32" (158.0)	6.5 (3.0)
101251LF	3/4" PC	3 7/16" (87.7)	2" (50.5)	4 23/32" (120)	1.47 (0.67)
101252LF	1" PC	4 3/16" (106.2)	2 5/32" (54.7)	4 23/32" (120)	1.92 (0.87)
101253LF	1 1/4" PC	4 63/64" (126.5)	3" (75.9)	6 15/64" (158.4)	3.14 (1.42)
101254LF	1 1/2" PC	5 13/32" (137.5)	3" (75.9)	6 15/64" (158.4)	3.24 (1.47)

NPTI - National Pipe Thread Internal SWT - Sweat Fitting PC - Press Connect FL - Flange Connection

Dimensions and weights are approximate and subject to change. Contact factory for certified dimensions. Check-Trol Flange is sold with an Isolation Flange as a pair.

Typical specifications

Furnish and install on plans _____ inches NPT/Sweat x Flange Check-Trol Flange on the pump discharge. The Check-Trol Flange will prevent gravity circulation and flow in the wrong direction. When closed, it will provide positive shut-off. The mating flange shall be free floating allowing it to rotate eliminating the need to align the bolt holes of the flanges when installing to the piping system. The Check-Trol Flange shall be constructed with a brass body, chrome plated brass ball, chrome plated steel flange and handle, and PTFE packing and seat ring and a non-ferrous check. The Check-Trol Flange shall be manufactured by Xylem – Bell & Gossett or equal.



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