

Check-Trol™

Isolation Flow Control Flange



Three features in one valve.

Check-Trol is the solution for circulator installations. Installing a Check-Trol on the discharge of the circulator gives you the features of a Flow Control Valve, Isolation Valve and Companion Flange. Another advantage of the Check-Trol is the minimal pressure drop, especially when compared to the losses that can be experienced when a check valve is installed internal to the circulator.

The Check-Trol flanges are packaged with an isolation flange of the same size to create a pair. Capscrews and nuts are included.

Flow Control Valve

Prevents gravity circulation and flow in the wrong direction.

Isolation Valve

Allows for servicing or replacement of the circulator without draining the system.

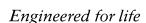
Companion Flange

Free-floating companion flanges allow easy alignment for optimal handle positioning.

Can be used with most circulators, including NRF/NBF/SSF wet rotors, Series PLs, 100, HV, PR and LR, and other manufacturers' pumps.

Available sizes: 3/4", 1", 1-1/4", 1-1/2" NPT and Sweat.

Patent Pending



Check-Trol™ Isolation Flow Control Flange

Description

The Check-Trol flange is a combination isolation valve, flow control valve, and companion flange for circulators. The full port 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.

Operating Data

Materials of Construction

Valve Body	Brass
Flange	Chrome Plated Steel
Ball	Chrome Plated Brass
Packing	Teflon®*
Seat Ring	Teflon
Stem	Brass
Spring Check	Nitrile, Acetal, Stainless Steel

^{*} Teflon is a registered trademark of E.I. du Pont de Nemours and Company.

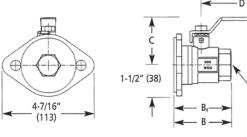
Dimensions and Weights

			Use with	Dimensions – Inches (MM)					Approx. Shpg. Wt.
Model No.	Size Inches	Model	Following Circulators	Α	В	B 1**	С	D	Lbs. (Kg)
101231 101232 101233 101245	3/4" NPT x Flange 1" NPT x Flange 1-1/4" NPT x Flange 1-1/2" NPT x Flange	CTF - 3/4 CTF - 1 CTF - 1 - 1/4 CTF - 1 - 1/2	NRF/NBF/SSF Wet Rotors Series PL-30, PL-36, PL-55 Series 100, PR, and LR NRF/NBF/SSF, etc.	3/4" NPT 1" NPT 1-1/4" NPT 1-1/2" NPT	3" (76) 3-13/16" (97) 4-3/4" (120) 4-13/16" (122)	2-3/8" (60) 2-3/4" (70) 2-3/16" (81) 3-1/4" (83)	2-1/8" (54) 2-5/16" (59) 2-5/8" (67) 2-5/8" (67)	4" (102) 4" (102) 5" (127) 5" (127)	3.6 (1.6) 4.3 (2.0) 6.0 (2.7) 6.5 (2.9)
101234 101235 101246	1" NPT - HV x Flange 1-1/4" NPT-HV x Flange 1-1/2" NPT-HV x Flange	CTF-1 HV CTF-1-1/4 HV CTF-1-1/2 HV	PL-45, PL-50, and Series HV NRF/NBF/SSF, etc.	1" NPT 1-1/4" NPT 1-1/2" NPT	2-3/4" (70) 4-3/4" (120) 4-13/16" (122)	2-3/4" (70) 3-3/16" (81) 3-1/4" (83)	2-5/16" (59) 2-5/8" (67) 2-5/8" (67)	4" (102) 5" (127) 5" (127)	4.3 (2.0) 6.0 (2.7) 6.5 (2.9)
101236 101237 101238 101247	3/4" SWT x Flange 1" SWT x Flange 1-1/4" SWT x Flange 1-1/2" SWT x Flange	CTFS - 3/4 CTFS - 1 CTFS - 1 - 1/4 CTFS - 1 - 1/2	NRF/NBF/SSF Wet Rotors Series PL-30, PL-36, PL-55 Series 100, PR, and LR PL-45, PL-50, and Series HV	3/4" SWT 1" SWT 1-1/4" SWT 1-1/2" SWT	3-5/16" (84) 4-1/4" (107) 5-3/8" (136) 5-1/2" (140)	2-19/32" (66) 3-11/64" (81) 3-13/16" (97) 3-15/16" (100)	2-1/8" (54) 2-5/16" (59) 2-5/8" (67) 2-5/8" (67)	4" (102) 4" (102) 5" (127) 5" (127)	3.6 (1.6) 4.3 (2.0) 6.1 (2.8) 6.5 (2.9)
101239 101240 101248	1" SWT-HV x Flange 1-1/4" SWT-HV x Flange 1-1/2" SWT-HV x Flange		PL-45, PL-50, and Series HV PL-45, PL-50, and Series HV	1" SWT 1-1/4" SWT 1-1/2" SWT	4-1/4" (107) 5-3/8" (136) 5-1/2" (140)	3-11/64" (81) 3-13/16" (97) 3-15/16" (100)	2-5/16" (59) 2-5/8" (67) 2-5/8" (67)	4" (102) 5" (127) 5" (127)	4.3 (2.0) 6.1 (2.8) 6.5 (2.9)

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 _______" 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 and flange, zinc plated handle, and Teflon packing and seat ring and a non-ferrous check. The Check-Trol flange shall be ITT Industries – Bell & Gossett or equal.



Patent Pending



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Engineered for life

^{**} B1 Dimension is overall length of isolation flange. The part numbers and shipping weights are for one Check-Trol flange and one isolation flange, capscrews and nuts.