

For Heavy Duty Steam Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series 600-Z3

Bronze Silent Steam Check Valves

Sizes: 3/4" and 1 1/2" (20 and 40mm)

Series 600-Z3 Bronze Silent Steam Check Valves efficiently perform in high cycle steam applications. They feature a heavier internal construction for longer life and a Super Teflon® seat for higher temperatures.

Features:

- Heavier internal construction for longer life in saturated steam
- Conical 316 stainless steel disc for full fluid flow
- Super Teflon® seat for higher temperature rating
- Heavy duty stainless guide rod to enhance disc guidance
- Stainless steel spring
- Install in horizontal or vertical position
- Low pressure drop equivalent to a swing check
- Silent operation
- For use on cyclical steam applications

Specifications

A bronze silent check valve shall be installed as indicated on the plans. The valve shall have a 316 stainless steel disc, Super Teflon® seat and silent operation. Pressure rating no less than 400psi (27.6 bars) WOG non-shock and 150psi (10 bars) WSP. Valve shall be a Watts Regulator Company Series 600-Z3.

Application Notes

These valves are not suggested for installation in sewage ejector piping.

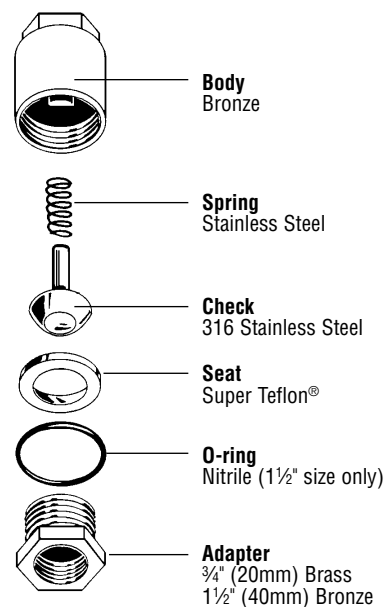
WARNING: Do not use for reciprocating air compressor service.

Teflon® is a registered trademark of E.I. Dupont de Nemours & Company, Incorporated.



600-Z3

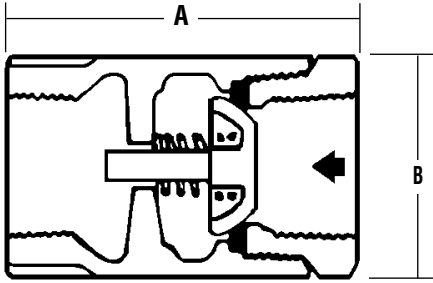
Materials



WATTS®
REGULATOR

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

Dimensions-Weights



Pressure – Temperature

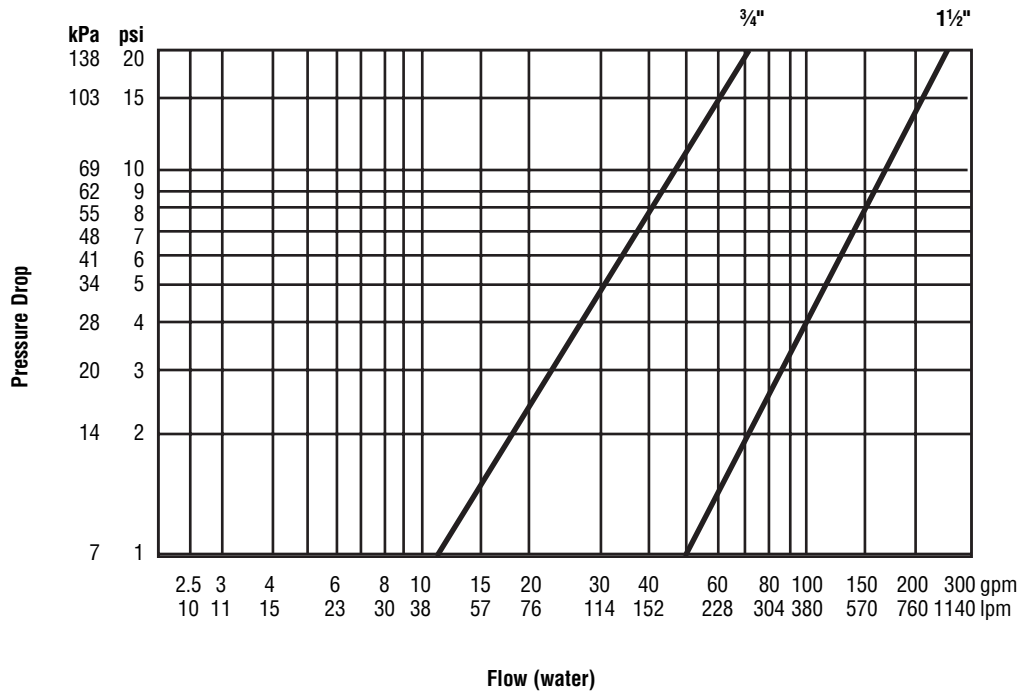
Maximum Working Pressure:

400psi (27.6 bars) WOG non-shock @ -20°F to 100°F
(-29°C to 38°C); 150psi (10 bars) WSP @ 366°F (186°C)

TEMPERATURE		STEAM PRESSURE	
°F	°C	psi	bars
353	178	125	8.6
338	170	100	6.9
324	162	80	5.5
307	153	60	4.1
287	142	40	2.8
267	131	25	1.7
250	121	15	1.0

SIZE (DN)		DIMENSIONS				WEIGHT	
		A		B			
in.	mm	in.	mm	in.	mm	lbs.	kgs.
¾	20	2½	64	1½	38	.8	.4
1½	40	4	102	2¾	70	3.0	1.4

Pressure Drop vs. Flow



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.wattsreg.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca