

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series 600-Z3

Bronze Silent Steam Check Valves

Sizes: 3/4" and 1 1/2"

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 steel 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 bar) WOG non-shock and 150psi (10 bar) WSP. Valve shall be a Watts Series 600-Z3.

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

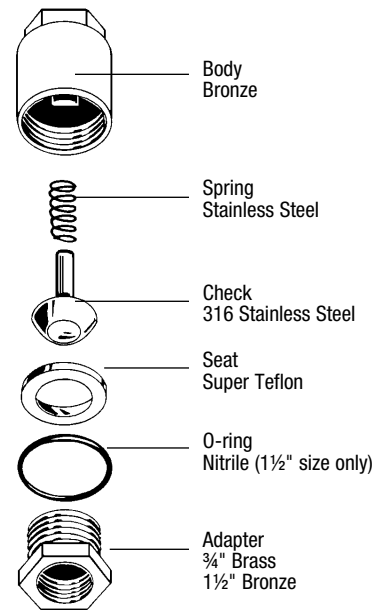
Application Notes

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



600-Z3

Materials



WARNING

Do not use for reciprocating air compressor service.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

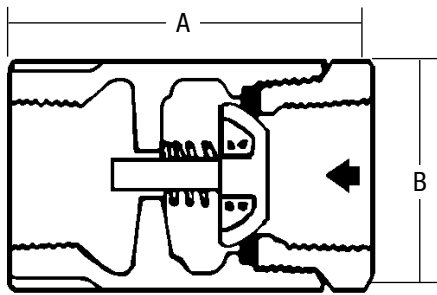
NOTICE

Inquire with governing authorities for local installation requirements

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



SIZE	DIMENSIONS				WEIGHT	
	A		B		lbs.	kgs.
in.	in.	mm	in.	mm		
3/4	2 1/2	64	1 1/2	38	.8	.4
1 1/2	4	102	2 3/4	70	3.0	1.4

Pressure – Temperature

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

TEMPERATURE		STEAM PRESSURE	
°F	°C	psi	bar
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

Pressure Drop vs. Flow

