



Style "MAS" Valve Assembly

FEATURES

- Sizes 3/4" - 2"
- Cast Steel Body
- 316 Stainless Steel Trim
- Single-seated for dead end service
- Fully balanced
- Stainless steel valve stem
- "Lifetime" Teflon* chevron stem maintenance-free packing
- Quick-disconnect stem construction
- Direct acting
- Choice of end connections

GENERAL DESCRIPTION

The Robertshaw Type "MAS" valve is similar to the "MA" series but has a cast steel body for higher pressure and temperature service. It is available with screwed ends in sizes 3/4" through 1-1/2", with Class 150 raised face flanges in sizes 1-1/2" & 2", and with Class 300 raised face flanges in sizes 1" through 2".

SPECIFICATION

Type:Single-seated, fully balanced

Sizes:3/4" through 2"

Action:Direct-acting only
 (closes with downward stem movement)

Fully modulating in action.

Connections:Female threaded ends, 3/4" through 1-1/2"

Class 300 ANSI flanges, 1" through 2"

Class 150 ANSI flanges, 1-1/2" & 2"

Materials:

Valve TrimSeats and poppets 316 stainless steel

Valve Stem 316 stainless steel (highly finished)

Quick-detach type

Stem Packing Teflon* chevrons (spring-loaded)

Valve Body Cast steel

Other Parts Stainless steel

Capacity: See Cv ratings in Dimensions table

Maximum Valve Design Ratings:

Maximum Pressure/Temperature:

Class 150:285 psi @ 100° F

230 psi @ 300° F

Class 300:740 psi @ 100° F

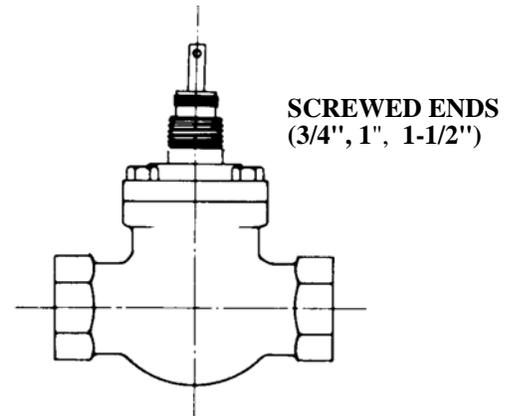
610 psi @ 450° F

Maximum Pressure Drop:

3/4", 1", 1-1/2" size: 250 psi

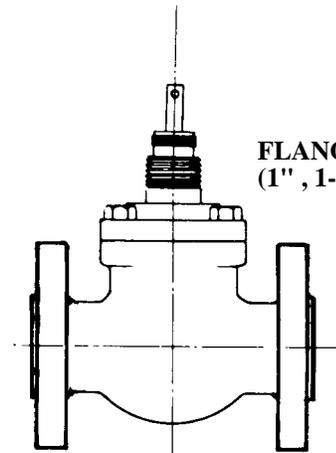
2" size: 150 psi

* Teflon is a registered trademark of DuPont Company



SCREWED ENDS
 (3/4", 1", 1-1/2")

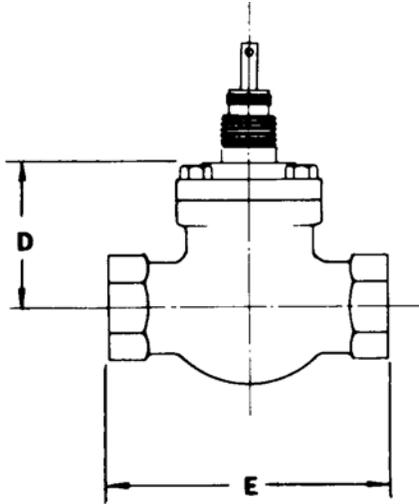
Direct-acting only



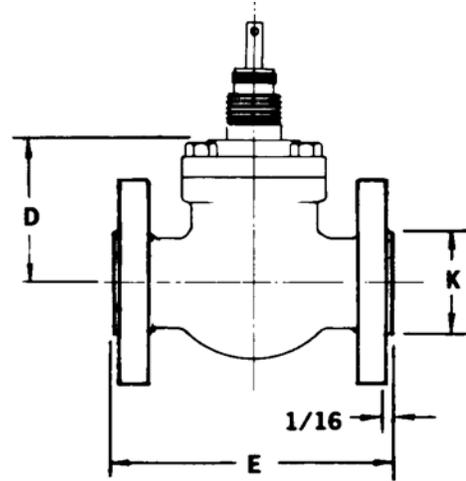
FLANGED ENDS
 (1", 1-1/2" & 2")

DIMENSIONS

Valve Size	C _v	Class	Ends	D	E	Flange Dia.	Flange Thickness	Bolt Circle	Number Bolts	Bolt Hole Din.	K	Stroke
3/4	10.5	300	Screwed	3-7/16	5-3/4							1/4
1	12	300	Screwed	3-7/16	5-3/4							5/16
1	12	300	Flanged	3-7/16	5-7/8	4-7/8	5/8	3-1/2	4	3/4	2"	5/16
1-1/2	30	150	Flanged	5-31/32	8-3/4	5"	9/16	3-7/8	4	5/8	2-7/8	7/16
1-1/2	30	300	Screwed	5-31/32	8-13/16							7/16
1-1/2	30	300	Flanged	5-31/32	9-1/4	6-1/8	13/16	4-1/2	4	7/8	2-7/8	7/16
2	49	150	Flanged	7-9/16	10"	6"	9/16	4-3/4	4	3/4	3-5/8	9/16
2	49	300	Flanged	7-9/16	10-1/2	6-1/2	13/16	5"	8	3/4	3-5/8	9/16



3/4", 1", 1 1/2" SIZES
(Screwed Ends)



1", 1 1/2", 2" SIZES
(Flanged Ends)

NOTE: Maximum factory test allowable leakage is 0.01% of rated capacity at 50, 75 and 100 psi.



U.S.A. and CANADA

Robertshaw Industrial Products Division
 1602 Mustang Drive
 Maryville, Tennessee 37801
 Phone: (865) 981-3100 Fax: (865) 981-3168
<http://www.robertshawindustrial.com>

Exports

Invensys Appliance Controls
 1701 Byrd Avenue
 P.O. Box 26544
 Richmond, Virginia 23261-6544
 Phone: (804) 756-6500 Fax: (804) 756-6561



Q-3364 (8/04)

Printed in U.S.A.