



# Style "MASS" Valve Assembly Stainless Steel

- **FEATURES**
- Sizes 1-1/2 and 2"
- Stainless Steel Body
- 316 SS Trim
- Single-seated...Piston Balanced...Direct-Acting
- Piston located above steam flow line for self-cleaning during operation
- Fully modulating provides greater sensitivity
- "Lifetime" Teflon\* chevron stem maintenance free packing
- Quick-disconnect stem
- Non-sticking poppet - no chatter no rattle
- Tight closing
- Choice of end connections

**GENERAL DESCRIPTION**

The Robertshaw Type "MASS" valve is similar to the "MA" (bronze body) except it has a stainless steel body for applications that have corrosive atmosphere or process.

**SPECIFICATIONS**

**Type:** ..... Single-seated, fully balanced  
**Sizes:** ..... 1-1/2 and 2"  
**Action:** ..... Direct-acting only  
 (closes on downward stem movement)

..... Fully modulating in action.  
**Connections:** ..... Female threaded ends: 1-1/2"  
 Class 150 & 300 ANSI flanges: 1-1/2 and 2"

**Materials:**  
*Body* ..... Cast Stainless Steel  
*Stem* ..... Highly finished 316 SS  
*Trim* ..... Seats & poppets 316 SS  
*Packing* ..... Teflon\* chevrons (spring loaded)  
*Other parts* ..... Stainless Steel

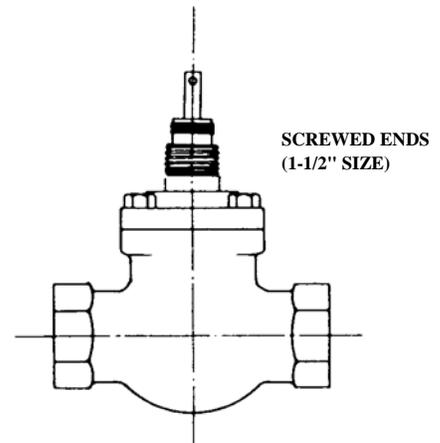
**Capacity** ..... See Cv ratings in Dimensions table

**Maximum Valve Design Ratings:**

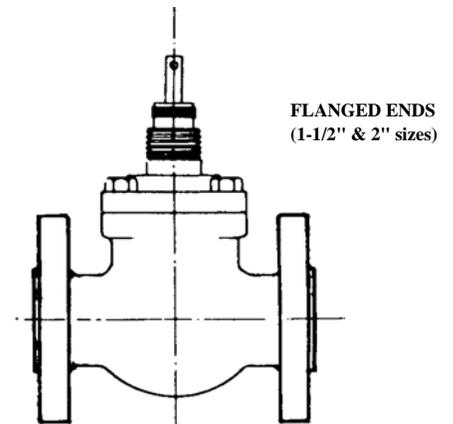
*Maximum Pressure/Temperature:*

- Class 150:* ..... 275 psi @ 100° F  
 185 psi @ 450° F
- Class 300:* ..... 720 psi @ 100° F  
 490 psi @ 450° F

\*Teflon is a registered trade name of DuPont Company



*Direct-acting only*



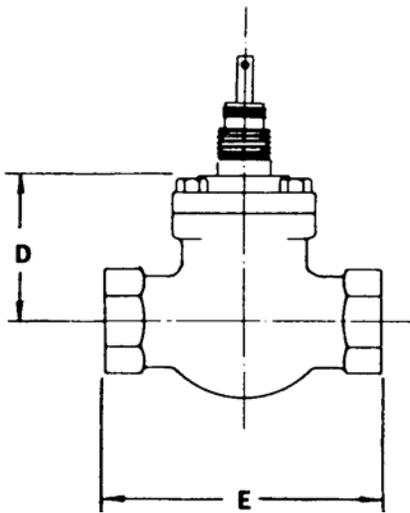
Type "MASS" used with self-actuated temperature regulator series.

**Maximum Recommended Pressure Drops, PSI**

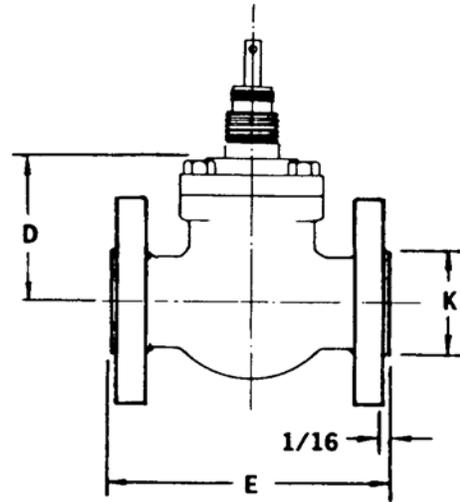
Valve Size In. (Port)	SATR SERIES					
	RT-1001	RT-1003	RT-1004	RT-1007	RT-1009	RT-1011
1-1/2"	250	250	250	250	250	250
2"	150	150	150	150	150	150

**DIMENSIONS**

Valve Size	Cv	Class	Ends	D	E	Flange Dia.	Flange Thk	Bolt Circle	No. of Bolts	Bolt Hole Dia.	K	Stroke
1-1/2"	30	300	Screwed	5-31/32	8-13/16							7/16
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	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



1-1/2" SIZES  
(SCREWED ENDS)



1-1/2" AND 2" SIZES  
(FLANGED ENDS)

**NOTE:** Maximum factory test allowable leakage is 0.01 % of rated capacity at 50, 75 and 100 psi (ANSI Class IV).



**U.S.A. and CANADA**

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