

Sales Manual Section 160 PRODUCT SPECIFICATION "MAS" (For Temperature Regulator Service)

# Style "MAS" Valve Assembly

### **FEATURES**

- Sizes 3/4" 2"
- · Cast Steel Body
- 316 Stainless Steel Trim ٠
- Single-seated . . . Piston balanced . . . Direct acting ٠
- Piston located above steam flow line for self-cleaning during operation
- Fully modulating . . . provides greater control sensitivity
- "Lifetime" Teflon chevron stem maintenance-free • packing with stainless steel valve stem
- ٠
- Quick-disconnect stem construction Non-sticking poppet . . . no chatter . . . no rattle ٠
- Tight-closing ٠
- Choice of end connections ٠

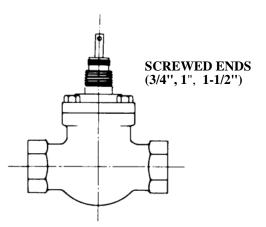
### **GENERAL DESCRIPTION**

The Robertshaw Type "MAS" valve is similar to the "MA" series but has a cast steel body for higher pressure and temperature service.

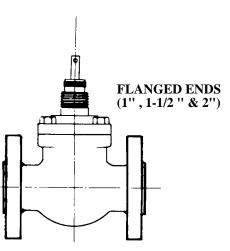
### **SPECIFICATION**

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Туре:	Single-seated, fully balanced							
Sizes:								
Action:	Direct-acting only							
	(closes with downward stem movement)							
	Fully modulating in action.							
<b>Connections:</b> F	emale threaded ends, 3/4" through 1-1/2"							
Class 300 ANSI flanges, 1" through 2"								
	Class 150 ANSI flanges, 1-1/2" & 2"							
	Class 150 ANSI flanges, $1-1/2$ & 2							
Materials:								
	Seats and poppets 316 stainless steel							
Valve Stem	316 stainless steel (highly finished)							
	Quick-detach type							
Stem Packing								
Valve Body								
Other Parts								
Conscity:	See C <sub>v</sub> ratings in Dimensions table							
Maximum Valve D								
	ure/Temperature:							
Class 150:								
	230 psi @ 300° F							
Class 300:								
	610 psi @ 450° F							
<b>Maximum Press</b>								
	2"size:							
3/7,1,1-1/2 2//sizes								
2 SILE:								

\* Teflon is a registered tradename of DuPont Company



**Direct-acting only** 



**Invensys**<sub>®</sub>

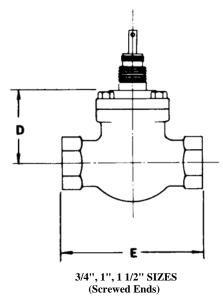
Type "MAS" used with self-actuated temperature regulator series.
Maximum Recommended Pressure Drops, PSI*

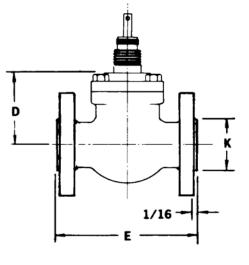
Valve	SATR SERIES								
Size, In.	RT-1001	RT-1003	RT-1004	RT-1006	RT-1007	RT-1008	RT-1009	RT-1011	
3/4	250	250	250	250	250	250	250	250	
1	250	250	250	250	250	250	250	250	
1-1/2	250	250	250	-	250	250	250	250	
2	150	150	150	-	I50	150	150	150	

\* Supply pressure to valve less any back pressure to the valve.

#### DIMENSIONS

Valve Sizee	Cv	Class	Ends	D	Е	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





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

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