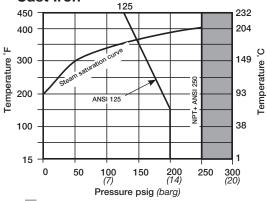
spirax /sarco

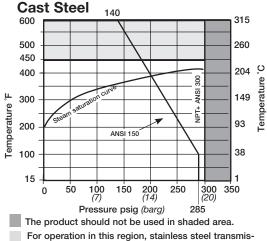
Pressure Regulator with Air Loaded Pilot 1/2" to 4" 25PA

The Pressure Pilot is loaded by an external com- pressed air supply rather than by a spring. The down- stream pressure can be set remotely by adjusting the loading air pres- sure.	Model	Model 25PA				
	Sizes Connections	1/2" to 2" NPT	2-1/2", 3", 4" ANSI 125 flgd.	1/2" to 2" NPT	2", 2-1/2", 3", 4" ANSI 300 flgd.	
	Construction	Cast Iron		Cast Steel Body		
	Options		ANSI 250 flgd.		ANSI 150 flgd (excludes 2")	





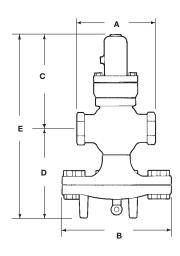
The product should not be used in shaded area.



sion tubing need be fitted.

Note: Maximum temperature for Stainless Steel tubing is 600°F

25PA 1/2" to 2"



Air Pilots

PA direct air load maximum 120 psig air

Downstream Pressure Ranges

For proper selection, see TI-3-030-US

3 to 100 psig (approximate ratio 1:1), see table PA

Capacities

For selection and sizing data, see TI-3-030-US

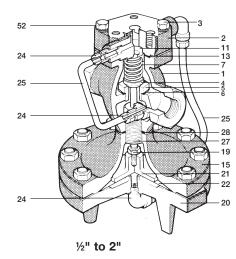
Ansi 125 Ansi 250 Ansi 300										Weight	
Size	Α	A1	A1	В	С	C1	D	Е	E1	Cast Iron	Cast Stee
1/2", 3/4"	5.5	-	-	7.6	10.1	8.0	6.2	16.3	14.2	32	35
1"	6.0	-	-	8.6	10.1	8.0	6.75	16.9	14.8	39	43
1-1/4", 1-1/2"	7.25	-	-	8.6	10.1	8.0	7.1	17.7	15.6	44	48
2"	8.5	-	9.0	10.6	11.3	9.2	8.2	19.5	17.4	69	75
2-1/2"	-	10.9	11.5	13.6	11.9	9.9	13.9	25.8	23.8	157	171
3"	-	11.75	12.5	13.6	11.9	9.8	14.4	26.3	24.3	188	205
4"	_	13.9	14.5	15.6	13.2	11.1	16.1	29.3	27.3	284	309

* All pilots are interchangeable. Drawings are for dimensional purposes only.

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interests of development and improvement of the product, we reserve the right to change the specification.

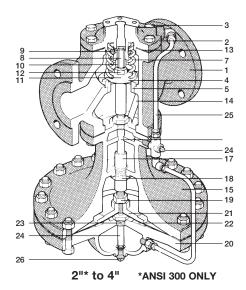
TI-3-019-US 04.12

Pressure Reducing Valve with Air Loaded Pilot 1/2" to 4" 25PA



Construction Materials

No.	Part	Material				
1	Valve Body	Cast Iron ASTM A 126 CL I				
		Cast Steel	ASTM A216 Gr WCB			
2	Cover	Cast Iron	ASTM A 126 CL B			
		Cast Steel	ASTM A216 Gr WCB			
3	Cover Bolts	Steel	ASTM A449			
4	Main Valve Head	Stainless Steel				
5	Main Valve Seat	Stainless Steel				
6	Main Valve Seat Gasket	Copper				
7	Valve Return Spring	Stainless Steel				
8	Valve Stem	Stainless Steel				
9	Strainer Screen	Stainless Steel				
10	Valve Stem Sleeve	Stainless Steel				
11	Spring Guide	Cast Iron 1/2"-2"				
		CRS 2"* - 4"				
12	Nut	Steel				
13	Cover Gasket	Graphite				
14	Pressure Equalizer Pipe	Stainless Steel				
15	Upper Diaphragm Case	Cast Iron	ASTM A 126 CL B			
		Cast Steel	ASTM A216 Gr WCB			
16	Stem Bushing (2-1/2" - 4" Cast Steel only)	Stainless Steel				
17	Diaphragm Plate Stem	Stainless Steel				
18	Diaphragm Stem Guide	Stainless Steel				
19	Nut	Brass 1/2" - 2"				
		Steel 2"* - 4"				
20	Lower Diaphragm Case	Cast Iron	ASTM A 126 CL B			
		Cast Steel	ASTM A216 Gr WCB			
21	Diaphragm Plate	Brass 1/2" - 2"	-			
		C.I. 2"* - 4"				
22	Main Diaphragm (2 ply)	Stainless Steel				
23	Bushing	CRS				
24	Tube & Orifice	Stainless Steel				
25	Tubing Assembly	Copper				
		Brass				
26	Plug (Cast Iron)	Brass				
	(Cast Steel)	Steel				
27	Connector Stud	Stainless Steel				
28	Body Gasket	1/2" - 2" Copper Clad				
	5	2"* - 4" Graphite				



Installation

The valve should be installed in a horizontal line with suitable bypass and isolating valves. A steam trap should be installed upstream to prevent condensate from reaching the valve. The trap and regulator should both be protected with a strainer. The pressure sensing line should be located either in the downstream piping, or in the steam space. Complete installation instructions are given in IM-3-000-US.

Air Loading Pilot PA Requires Air Loading as indicated in the following table

Desired Outlet Steam Pressure P2 psig	5	10	25	50	75	100
Inlet Pressure P1 psig	10 psig to 100 psig					
Approximate Air Set Pressure psig	11 to 13.5	16 to 16.8	31 to 33.5	56 to 58	80 to 81	102 to 103

Maintenance

Complete installation and maintenance instructions are given in IM-3-000-US, a copy of which is supplied with each valve. Available spare parts are shown on TI-1-1120-US and TI-3-0271-US.

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