

Series 152SS

Process Regulators

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

This design offers highly sensitive response to reduced pressure changes and maintains fullest possible volume without appreciable reduced pressure drop. They are used successfully on applications such as oil lines, testing fixtures, autoclaves, steam tables, steam irons, single radiators, vulcanizers, sterilizers, and process lines.

An exclusive, feature which has been added at no extra cost is a "sensitivity adjuster" which eliminates any vibrating condition which may arise from critical flow requirements.

Features

- Versatile design in stainless steel
- In-Line Serviceability
- "Sensitivity Adjuster"

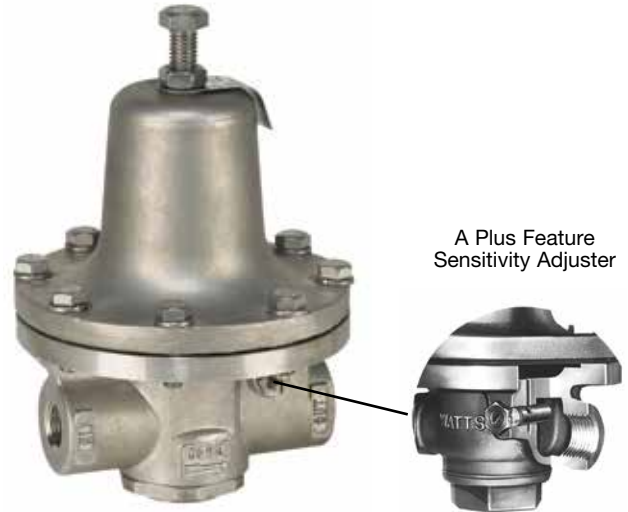
Models

No. 152SS Stainless Steel body

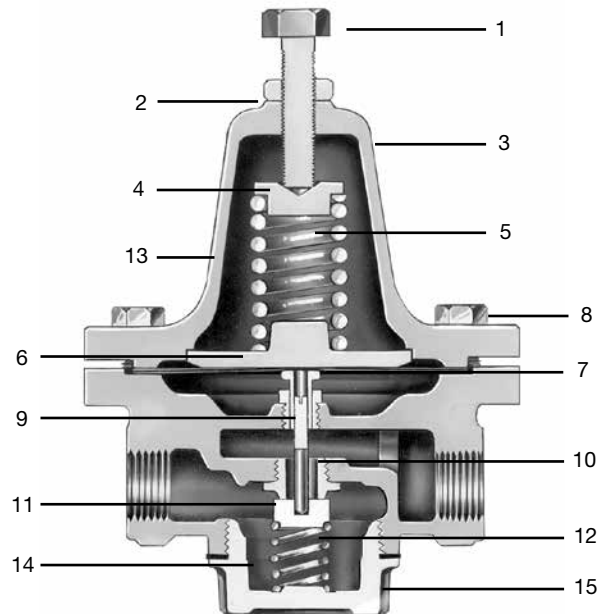
No. 152SST Tight seating model for dead end service.

Materials

- | | |
|--|--------|
| 1. Adjusting Screw (HHSTB) | 316SS |
| 2. Adjusting Screw Nut | 316SS |
| 3. Spring Cage | CF8M |
| 4. Spring Button | 316SS |
| 5. Adjusting Spring by Range (psi) | |
| 3-15 | 302SS |
| 10-50 | 316SS |
| 30-140 | 316SS |
| 6. Diaphragm Plate | 316SS |
| 7. Diaphragm | 316SS |
| 8. Flange Screw (HHSCS) (SS) | 316SS |
| 9. Diaphragm Button & Stem Assembly | 304SS |
| 10. Seat | 304SS |
| • 11. Disc (152SS) | 316SS |
| 12. Bottom Spring | 304SS |
| 13. Body | CF8M |
| 14. Strainer | 304SS |
| 15. Bottom Plug | CF8M |
| • 11. Disc (152SST) Tight Seating Option | Teflon |



Basic Design Features



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.

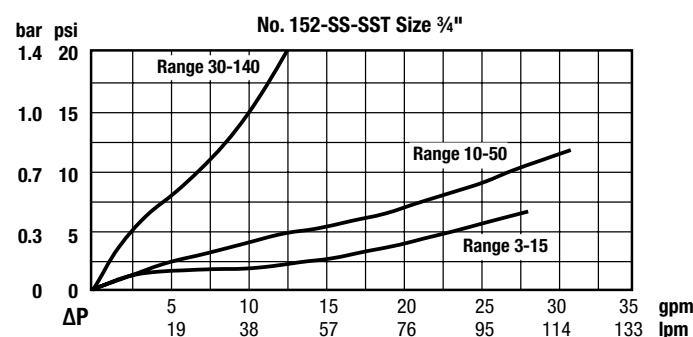
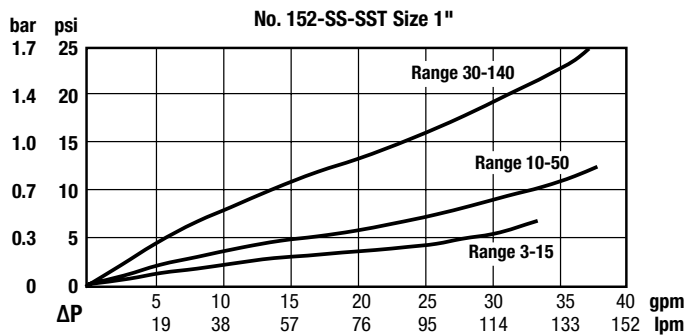
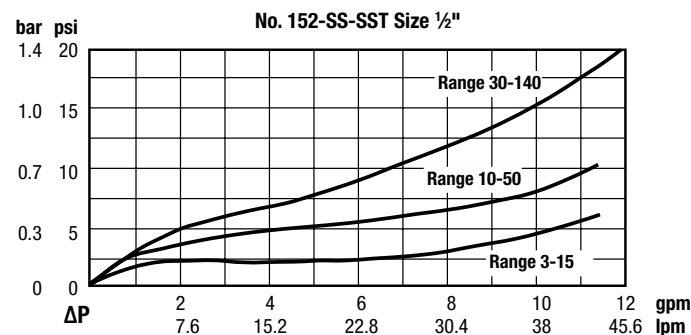
NOTICE

Inquire with governing authorities for local installation requirements

QUICK REFERENCE CAPACITY CHART FOR AVERAGE CONDITION																
	From		From		From		From		From		From		From		From	
	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar
Initial Pressure	50	3.52	75	5.27	100	7.03	125	8.79	150	10.55	175	12.30	200	14.06	225	15.82
	UP TO		UP TO		UP TO		UP TO		UP TO		UP TO		UP TO		UP TO	
Reduced Pressure	20	1.41	35	2.46	50	3.52	60	4.22	70	4.92	80	5.62	90	6.33	100	7.03
	in.	* MAXIMUM CAPACITIES IN LBS. OF STEAM PER HOUR														
152-SS-SST	½	80	111	143	175	205	237	270	299	332						
152-SS-SST	¾	285	394	506	620	726	841	945	1050	1178						
152-SS-SST	1	402	557	715	875	1025	1186	1349	1497	1663						

* 1 Lb. Steam Equals 970 BTU Per Hour

Capacity



Adjusting Spring Range Chart

152-SS Series			
SIZE	*ADJUSTABLE RANGES		SPRING AND MODEL NO.
in.	psi	bar	SS
1/2 - 3/4 - 1	3 - 15	.21 - 1.05	128
	10 - 50	.70 - 3.52	591
	30 - 140	2.11 - 9.84	592

Pressure – Temperature

152-SS: For maximum supply pressure up to 300psi @ 420°F (21.1 bar @ 216°C).

152-SST: Operating temperatures are 300°F at 300psi and 400°F at 200psi (149°C @ 21.1 bar and 204°C @ 14.1 bar).

Dimensions – Weights

MODEL	SIZE	DIMENSIONS						WEIGHT	
	in.	A		C		D		lbs.	kgs.
152-SS	1/2, 3/4, 1	in.	mm	in.	mm	in.	mm		
152-SST		6	152	7	178	1 3/4	44	11	4.99

