

For Steam or Liquid Applications

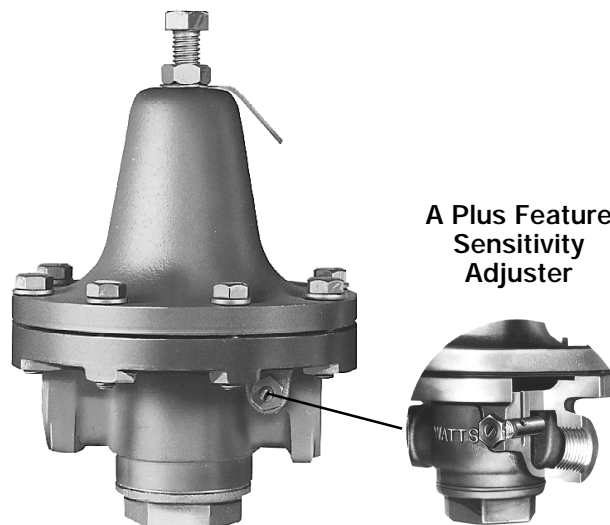
Job Name _____	Contractor _____
Job Location _____	Approval _____
Engineer _____	Contractor's P.O. No. _____
Approval _____	Representative _____

Watts 152SS Series PROCESS REGULATORS

Sizes 1/2", 3/4" and 1" (15, 20 and 25mm)

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.



MODELS

No. 152-SS - Stainless Steel body

No. 152-SST - tight seating model for dead end service.

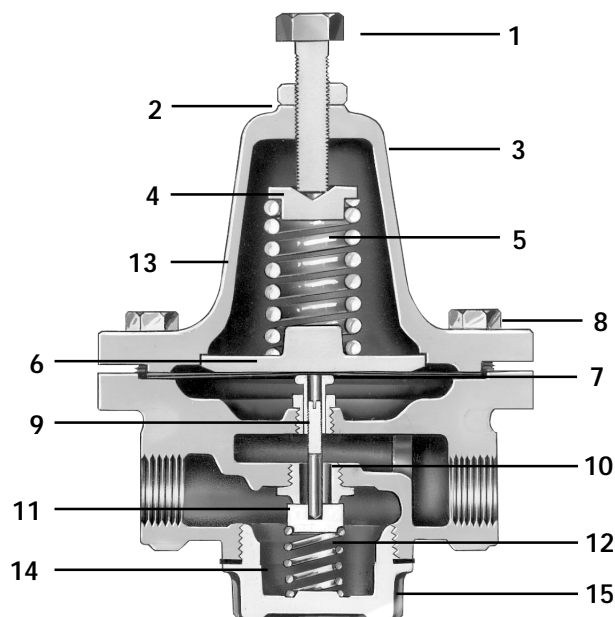
FEATURES

- ✦ Versatile design in bronze, iron or stainless steel
- ✦ In-Line Serviceability
- ✦ "Sensitivity Adjuster"

MATERIALS

1	Adjusting Screw (HHSTB)	316SS
2	Adjusting Screw Nut	316SS
3	Spring Cage	CF8M
4	Spring Button	316SS
5	Adjusting Spring	316SS
6	Diaphragm Plate	316SS
7	Diaphragm	316SS
8	Flange Screw (HHSCS) (SS)	316SS
9	Diaphragm Button & Stem Assy.	304SS
10	Seat	304SS
• 11	Disc (152-SS)	316SS
12	Bottom Spring	304SS
13	Body	CF8M
14	Strainer	304SS
15	Bottom Plug	CF8M
• 11	Disc (152-SST)	Teflon

BASIC DESIGN FEATURES



** When utilizing a teflon valve disc in the 152AT and 252AT, the maximum operating temperatures are 300°F at 300 psi (-149°C at 21.09 bar) and 400°F at 200 psi (-204°C at 14.06 bar).

NOTE: Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

A LEADER IN VALVE TECHNOLOGY

 — Since 1874 — Watts Industries, Inc. —
Water Products Division • Safety & Control Valves

QUICK REFERENCE CAPACITY CHART FOR AVERAGE CONDITIONS																				
			From psi bar		From psi bar		From psi bar		From psi bar		From psi bar		From psi bar		From 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	250	17.58
			UP TO		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	125	8.79
	in.	mm	*MAXIMUM CAPACITIES IN LBS. OF STEAM PER HOUR																	
152-SS-SST	1/2"	15	80	111	143	175	205	237	270	299	332									
152-SS-SST	3/4"	20	285	394	506	620	726	841	945	1050	1178									
152-SS-SST	1"	25	402	557	715	875	1025	1186	1349	1497	1663									
* 1 LB. STEAM EQUALS 970 BTU PER HOUR																				

CAPACITY

PRESSURE - TEMPERATURE

No. 152-SS - for maximum supply pressure up to 300 psi @ 420°F (21.09 bar @ 216°C).

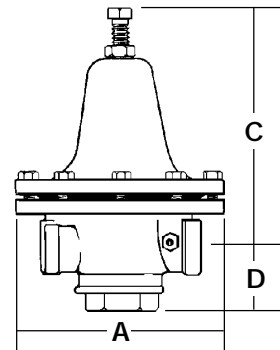
No. 152-SST - operating temperatures are 300°F at 300 psi and 400°F at 200 psi (149°C @ 21.09 bar and 204°C @ 14.06 bar)

ADJUSTING SPRING RANGE CHART

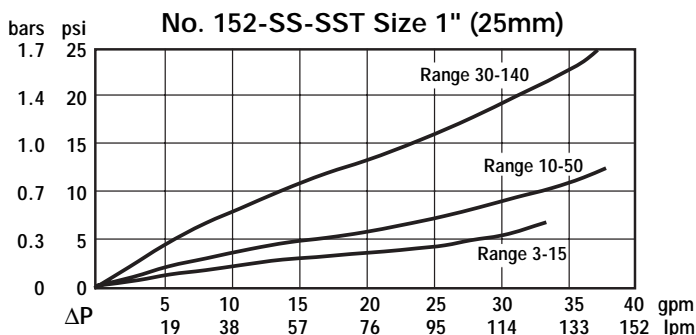
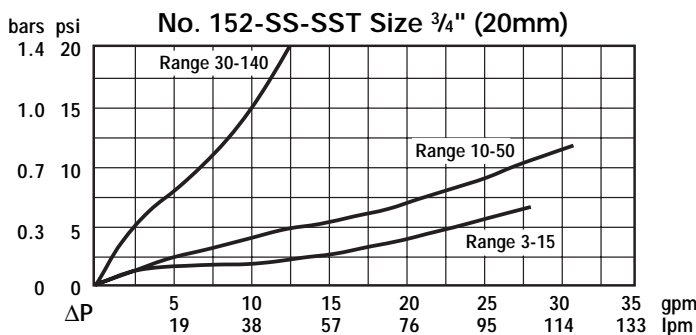
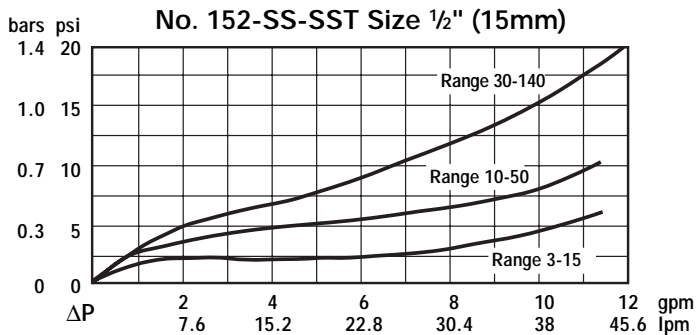
152-SS Series

Size	*Adjustable Ranges psi	bars	Spring and Model No. SS
1/2" - 3/4" - 1"	3 - 15	.21 - 1.05	590
(15-20-25mm)	10 - 50	.70 - 3.52	591
30 - 140	2.11 - 9.84	592	

DIMENSIONS & WEIGHT



No.	Size	A in. mm	C in. mm	D in. mm	Weight lbs. kgs.
152-SS	1/2", 3/4", 1"	6 152	7 178	1 3/4 44	11 4.99
152-SST	(15,20,25mm)	6 152	7 178	1 3/4 44	11 4.99



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