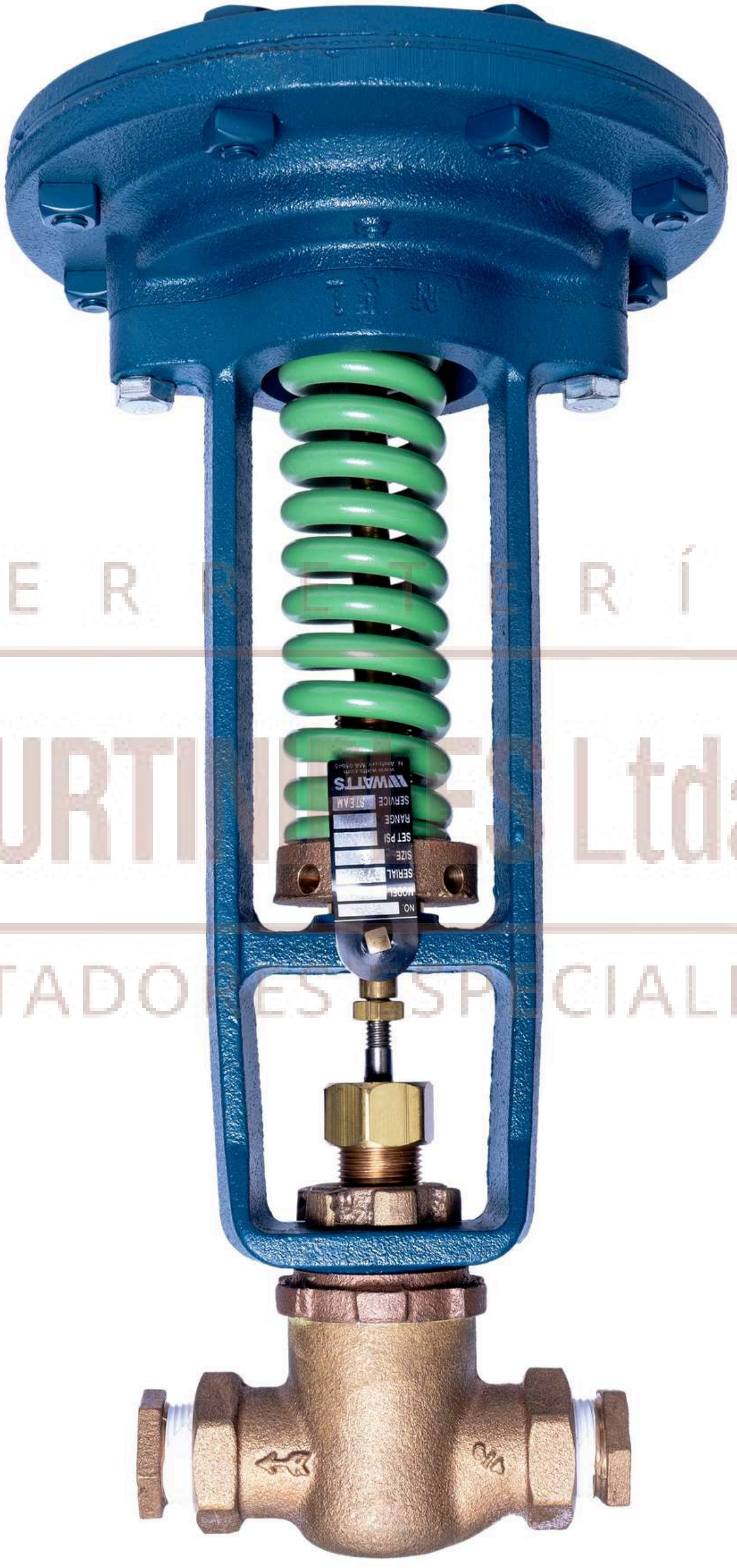


For Institutional, Industrial, and Commercial Applications

Job Name ----------
Job Location ----------
Engineer ----------
Approval ----------

Contractor ----------
Approval ----------
Contractor's P.O. No. ----------
Representative ----------

Series 127SS
Process Steam Pressure Regulators

Sizes: ½" – 4" (15 – 100mm)

Series 127 Process Steam Pressure Regulators are single seated, direct acting, diaphragm type regulators ideal for institutional, industrial, and commercial applications. They are engineered and recommended for mainline and high capacity process service heating applications. Watts engi- neers gave particular attention to the convenience of mainte- nance and the need to quickly restore regulator service when maintenance is required. The springs and diaphragm cham- ber assemblies of Series 127 are easily changed and the valve is simple to adjust.

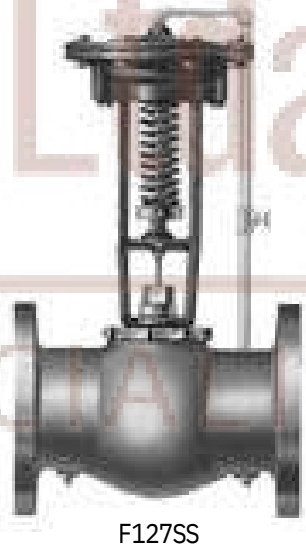
127SS

Features

- Bronze body, threaded connection (127SS)
- Iron body, Flanged connection (F127SS)
- Single seated, direct acting
- Standardly furnished with stainless steel valve disc

Models

127SS –	Bronze body, threaded connections, and stainless steel disc ½" – 3" (15 – 80mm)
F127SS –	Iron body, flanged connections, and stainless steel disc 3" and 4" (80 – 100mm)



F127SS

Pressures

Maximum Working Pressure: 127SS initial pressures up to 250psi (17.2 bar)

Maximum Working Pressure: F127S initial pressures up to 125psi (8.6 bar)

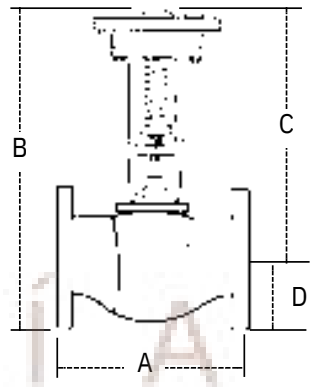
Materials

Body 127SS: Bronze
Body F127SS: Iron
Diaphragm: Stainless Steel
Seat/Trim: Stainless Steel and Nickel Alloy
Disc 127SS/F127SS: Stainless steel

Dimensions

MODEL	SIZE (DN)		DIMENSIONS (APPROX.)							
			A		B		C		D	
	in.	mm	in	mm	in	mm	in	mm	in	mm
127	½	15	4	102	16	406	15	381	1	25
127	¾	20	4	102	16	406	15	381	1	25
127	1	25	4 1/4	108	16 1/8	410	15	381	1 1/8	29
127	1 1/4	32	4½	114	16 3/8	416	15 1/8	384	1 1/4	32
127	1 1/2	40	5¼	133	16 3/4	425	15 1/4	387	1 1/2	38
127	2	50	6	152	17 1/8	435	15 3/8	391	1 3/4	44
127	2 1/2	65	7¼	184	17 7/8	454	15 3/4	400	2 1/8	54
127	3	80	8	203	18 1/2	470	16 1/8	410	2 3/8	60
F127*	3	80	8	203	20 1/2	521	16 3/4	425	3 3/4	95
F127*	4	100	12 1/8	308	21 1/4	540	16 3/4	425	4 1/2	114

*Iron body,flanged connections



Capacities

QuickReference Capacity Chart

MAXIMUM CAPACITIES In Pounds or Kilograms (lbs. or kgs.) per Hour of Steam

	INITIAL PRESSURE		FROM 50PSI (3.4 BAR)		FROM 100PSI (6.9 BAR)		FROM 150PSI (10.3 BAR)		FROM 200PSI (13.8 BAR)		FROM 250PSI (17.2 BAR)	
	REDUCED PRESSURE		UP TO 20PSI (1.4 BAR)		UP TO 50PSI (3.4 BAR)		UP TO 70PSI (4.8 BAR)		UP TO 90PSI (6.2 BAR)		UP TO 125PSI (8.6 BAR)	
MODEL	SIZE (DN)											
	in.	mm	lbs./hr.	kgs./hr.	lbs./hr.	kgs./hr.	lbs./hr.	kgs./hr.	lbs./hr.	kgs./hr.	lbs./hr.	kgs./hr.
127	½	15	218	99	387	175	555	252	731	332	900	408
127	¾	20	492	223	875	397	1255	569	1653	750	2037	924
127	1	25	878	398	1560	708	2237	1015	2943	1131	3631	1647
127	1 1/4	32	1370	621	2436	1105	3493	1584	4599	2086	5668	2570
127	1 1/2	40	1973	895	3508	1591	5030	2282	6623	3004	8163	3703
127	2	50	3518	159	6253	2836	8967	4067	11807	5356	14553	6601
127	2 1/2	65	5494	6	9766	4430	14006	6353	18442	8365	22730	10310
127	3	80	7906	249	14054	6375	20154	9142	26538	12037	32709	14837
F127	3	80	7906	2	14054	6375	20154	9142	–	–	–	–
F127	4	100	8301	358 6	14756	6693	21161	9598	–	–	–	–

EXAMPLE: Initial Pressure is 100psi (6.9 bar), Reduced Pressure is 50psi (3.4 bar) and Capacity required is 1500 lbs. (680 kgs.) of steam per hour. Byreferring to the proper initial reduced pressure column"From 100psi/Upto 50psi (6.9– 3.4bar)",youwillfindthecapacityof 1560lbs./hr.(708 kgs./hr.) for the1"(25mm) Model 127valve corresponds mostcloselyto the required capacityof1500lbs./hr.

NOTE: Forreducedpressures greaterthan those shown foreach InitialPressure column above, refer to the DetailedCapacityTableinthe Watts brochureF-127. Besure to determine both Initial Pressure andReduced Pressure setting, or the range required.

WATTS®

Water Safety & Flow Control Products

ISO 9001 CERTIFIED

USA:815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com
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