

North American Steam Pressure Regulators

Sheet 7436-1

7436 Steam Pressure Regulators are self-contained and self-actuated. They are offered in pipe sizes and spring ranges indicated below.

CONSTRUCTION

Body: cast iron

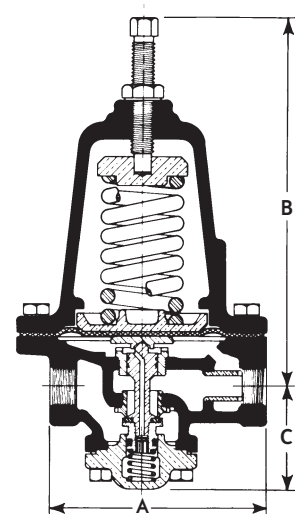
Trim: bronze

Diaphragm: phosphor bronze

Internals: stainless steel

Maximum pressure: 250 psi

Maximum temperature: 410 F



Regulator designation	Spring range, psi	pipe size	dimensions in inches			Weight, lb
			A	B	C	
7436-01-10	10 to 50					
7436-01-30	30 to 75	½	4¾	7⅞	2 ¹⁵ / ₁₆	15
7436-01-50	50 to 120					
7436-0-10	10 to 50					
7436-0-30	30 to 90	¾	5 ⁵ / ₈	9½	2 ⁵ / ₈	22
7436-0-50	50 to 120					
7436-1-10	10 to 50	1	6½	9 ⁷ / ₈	2 ⁷ / ₈	32

FLOW IN POUNDS PER HOUR OF SATURATED STEAM

Pressure, psig		Regulator pipe size, inches					
Inlet	Outlet setting	1/2		3/4		1	
		10% Droop	20% Droop	10% Droop	20% Droop	10% Droop	20% Droop
50	25	40	80	45	100	55	120
	30	50	100	65	125	80	160
	40	85	135	100	160	120	240
75	25	60	125	50	140	-	-
	30	65	185	65	375	-	-
	40	95	265	100	375	-	-
	50	110	225	115	300	-	-
	60	125	215	110	230	-	-
100	30	75	360	90	475	-	-
	40	175	350	200	450	-	-
	60	150	330	160	375	-	-
	80	170	305	180	350	-	-
125	25	65	430	35	585	-	-
	30	85	430	155	525	-	-
	40	430	430	200	525	-	-
	50	390	430	200	635	-	-
	60	375	435	275	635	-	-
	75	300	400	280	635	-	-
	80	305	425	300	635	-	-
	100	250	380	310	635	-	-
120	230	300	295	495	-	-	

Droop is the difference between outlet pressure selected and that realized when operating at the capacities shown.

To order, specify:

7436-(code for pipe size)-(specify beginning of spring range).

Examples: 7436-01-10 Steam Pressure Regulator

7436-0-50 Steam Pressure Regulator

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Parts of this product may exceed 160F in operation and present a contact hazard. Fives North American Combustion, Inc. urges compliance with National Safety Standards and Insurance Underwriters' recommendations, and care in operation.



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