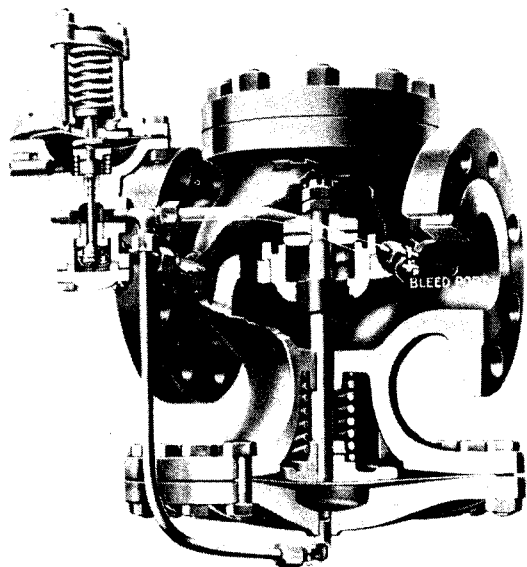




SPENCE ENGINEERING COMPANY, INC.
Walden, NY 12586-2012

TYPE ED AND ED2 PRESSURE REGULATOR FOR SERVICE TO 250 PSIG (450°F.)



Type ED Pressure Regulator

Project Ref:

Customer:

Valve Ref:

The SPENCE Type ED and ED2 Pressure Regulators are designed to reduce a steady or varying initial pressure to a constant delivery pressure.

Delivery pressure ranges, determined by a choice of Pilot and Control Spring, are as follows:

Type ED { 3 to 20 psi ☐
5 to 50 psi ☐
10 to 100 psi ☐
20 to 150 psi ☐

Type ED2 100 to 300 psi ☐

Other Materials:

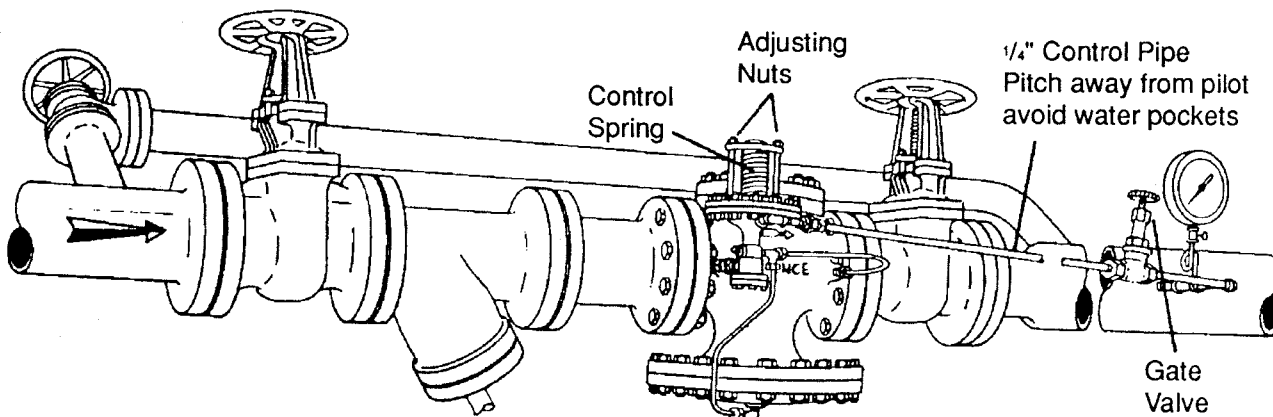
Seats and Discs.....SECO Metal
Stems Stainless Steel
Diaphragms Stainless Steel
Springs Tempered Steel

Main Valve Accessories

- ☐ Composition Disc for liquid, air or gas service
- ☐ Balanced Construction
- ☐ Parabolic Disc
- ☐ Bronze Body Pilot for water service

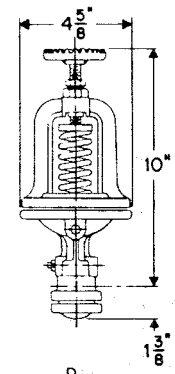
Main Valve and Pilot Bodies are suitable for maximum inlet conditions as follows:

Iron	{	Screwed Ends	☐ 250 psi 450°F.
		Flanged ANSI 125	☐ 125 psi 450°F.
		Flanged ANSI 250	☐ 250 psi 450°F.
Bronze	Screwed Ends	☐ 250 psi 450°F.	

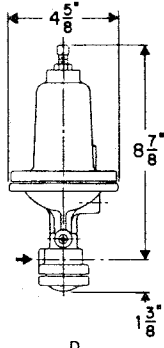


Typical Installation of the Type ED or ED2 Pressure Regulator

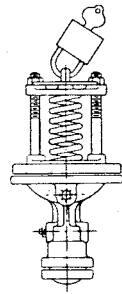
Pilot Modifications



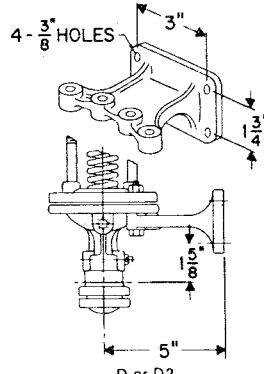
D
□ Adjusting Handle



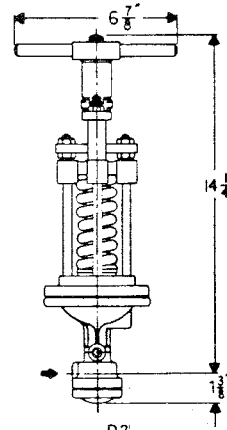
D
□ Spring Chamber



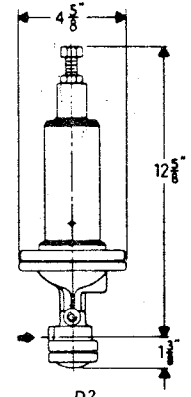
D
□ Locking Device



D or D2
□ Wall Bracket

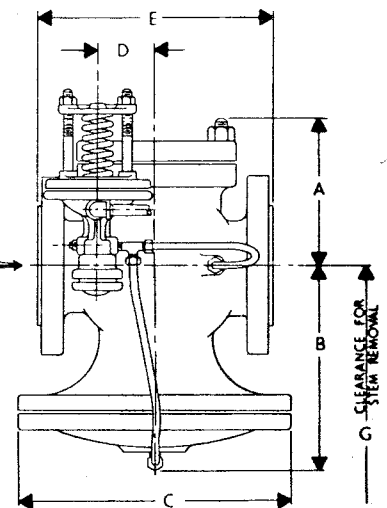
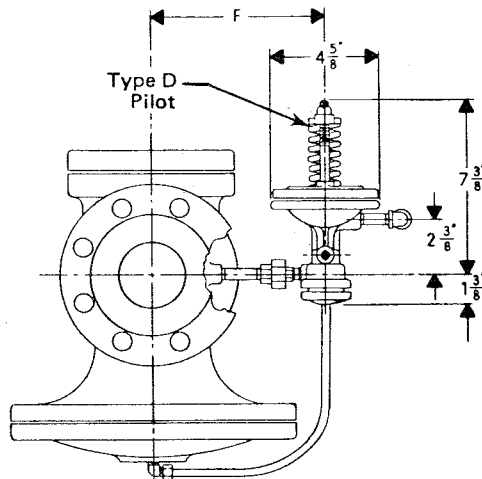
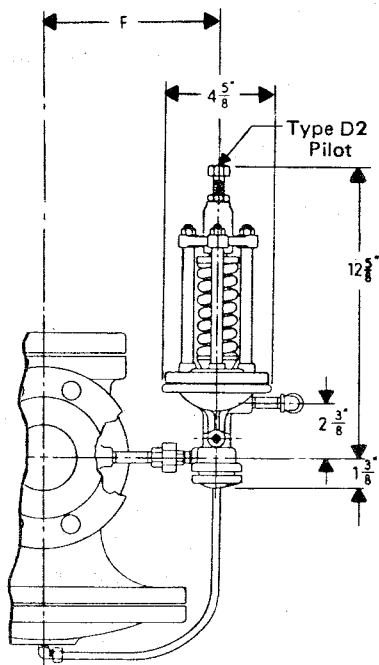


D2
□ Adjusting Handle



D2
□ Spring Chamber

DIMENSIONS AND WEIGHTS



Valve is tapped so that Pilot may be mounted on either side.

Size	E-Face to Face In.			DIMENSIONS, INCHES							*Approx. Wt. Lbs		
	C.I. Brz.	Iron									C.I. Brz.	Iron	
	Scr. Ends	125 Lb.	250 Lb.	A	B	C	D	F	G	Scr. Ends	125 Lb.	250 Lb.	
3/8 1/2 3/4 1	4 3/8			2 3/4	5 1/4	5 7/8	1 1/4	5 3/8	7 3/8	14			
	4 3/8			2 3/4	5 1/4	5 7/8	1 1/4	5 3/8	7 3/8	14			
	4 3/4			2 7/8	5 1/2	6 1/2	1 3/8	5 5/8	7 7/8	18			
	5 3/8	5 1/2	6	3 5/8	6 1/4	7	1 1/2	5 3/4	8 7/8	23	24	27	
1 1/4	6 1/2	6 3/4	7 1/4	4 1/8	6 1/2	7 7/8	1 7/8	6	9 1/8	33	36	40	
1 1/2	7 1/4	6 7/8	7 3/8	4 3/8	7 1/8	8 3/4	2	6 1/4	9 3/4	43	45	51	
2	7 1/2	8 1/2	9	5 1/4	7 5/8	9 7/8	2 1/8	6 5/8	11 1/4	62	67	72	
2 1/2		9 3/8	10	5 3/4	8 3/8	10 7/8	2 3/8	6 3/4	12 1/8		82	100	
3		10	10 3/4	6 5/8	9 1/4	11 3/4	2 3/4	7 1/4	14 5/8		110	130	
3 1/2		10 3/4	11 1/2	6 7/8	10	12 3/4	3 1/4	7 1/2	15 3/4		135	155	
4		11 7/8	12 1/2	7 5/8	11 7/8	14 3/4	3 1/2	8	18 1/4		200	235	
5		13 5/8	14 1/2	8 1/2	12 1/2	16 7/8	3 1/2	9	20 1/8		280	315	
6		15 1/8	16	10	14 1/8	19 3/4	4	9 7/8	22 3/8		385	455	
8		19	20	11 1/2	17 1/4	22 1/2	6 1/4	10 1/2	27 3/4		657	735	
10		23 5/8	25	13 3/4	23 3/8	28	6	12 1/2	36 1/4		1260	1430	
12		26 1/2	28	15 7/8	25 1/4	33	8 1/2	14	41 1/2		2070	2145	

*For D Pilot and Fittings add 8 lb.

For D2 Pilot and Fittings add 11 lb.