

995 Series Pressure Regulator

for Steam, Air, Water or Oil Service

PRESSURE REGULATORS



995 shown

- ▶ **Cast-Iron Body**
- ▶ **Stainless Steel Seat & Disc**
- ▶ **3/8 NPT – 2 NPT Sizes**
- ▶ **Double Spring Available with Extended Outlet Pressure Range**

For optimal performance, the service conditions (medium, flow, temperature, inlet and outlet pressures) of the application must be considered when selecting a valve. Please refer to the Valve Selection Section of this catalog. Improper application may cause failure of the valve, resulting in possible personal injury or property damage.

The Trerice **995 Series** Pressure Regulator is used in reducing pressure in steam, air and water systems. The 995 includes a spring-loaded diaphragm that can be externally adjusted to provide uniform outlet pressure. It features a cast-iron body and either a bronze diaphragm for steam service or Viton diaphragm for water, oil or air service. This regulator is designed for use in a variety of commercial, institutional and industrial applications.

Specifications

Model	Diaphragm	Service
995B	Bronze	Steam
995V	Viton	Air, Water, Oil
Body	Cast-Iron	
Trim	Hardened 420 Stainless Steel	
Strainer	Stainless Steel (3/4 NPT HC & larger)	
Minimum Inlet Pressure		
15 psi		
Maximum Inlet Pressure		
250 psi		
Minimum Differential Pressure		
15 psi		
Maximum Differential Pressure		
125 psi		
Maximum Operating Temperature		
995B	Maximum: 450°F (230°C)	
995V	Maximum: 300°F (150°C)	

Pressure-Adjusting Spring Ranges – Spring No. & Color Code

Single Spring	Outlet Pressure (psi)	Size (NPT)							
		3/8	1/2	3/4	3/4 HC	1	1 1/4	1 1/2	2
A	0 to 10	13 blue/yellow	13 blue/yellow	13 blue/yellow	3 red	7 red/green	7 red/green	8 red/blue	8 red/blue
B	10 to 30	–	–	–	4 green	8 red/blue	8 red/blue	9 red/yellow	9 red/yellow
C	10 to 50	14 black/yellow	14 black/yellow	14 black/yellow	–	–	–	–	–
D	30 to 50	–	–	–	5 blue	9 red/yellow	9 red/yellow	10 green/blue	10 green/blue
E	40 to 85	–	–	–	6 yellow	10 green/blue	10 green/blue	11 green/yellow	11 green/yellow
H	40 to 100	9 red/yellow	9 red/yellow	9 red/yellow	–	–	–	–	–
J	100 to 200	10 green/blue	10 green/blue	10 green/blue	–	–	–	–	–
Double Spring									
P	0 to 75	–	–	–	7, red/green 8, red/blue	8, red/blue 9, red/yellow	8, red/blue 9, red/yellow	8, red/blue 9, red/yellow	8, red/blue 9, red/yellow
Q	30 to 130	–	–	–	8, red/blue 9, red/yellow	9, red/yellow 10, green/blue	9, red/yellow 10, green/blue	9, red/yellow 10, green/blue	9, red/yellow 10, green/blue

HOW TO ORDER

Sample Order Number: **995B 04 C**

Model	Connection Size	Outlet Pressure Range*	
		(single spring)	(double spring)
995B	02 3/8 NPT	A 0 to 10 psi	P 0 to 75 psi
995V	04 1/2 NPT	B 10 to 30 psi	Q 30 to 130 psi
	06 3/4 NPT	C 10 to 50 psi	
	07 3/4 NPT HC*	D 30 to 50 psi	
	08 1 NPT	E 40 to 85 psi	
	10 1 1/4 NPT	H 40 to 100 psi	
	12 1 1/2 NPT	J 100 to 200 psi	
	16 2 NPT		

* 3/4 NPT HC is high-capacity version of the standard 3/4 NPT valve.

How to Size

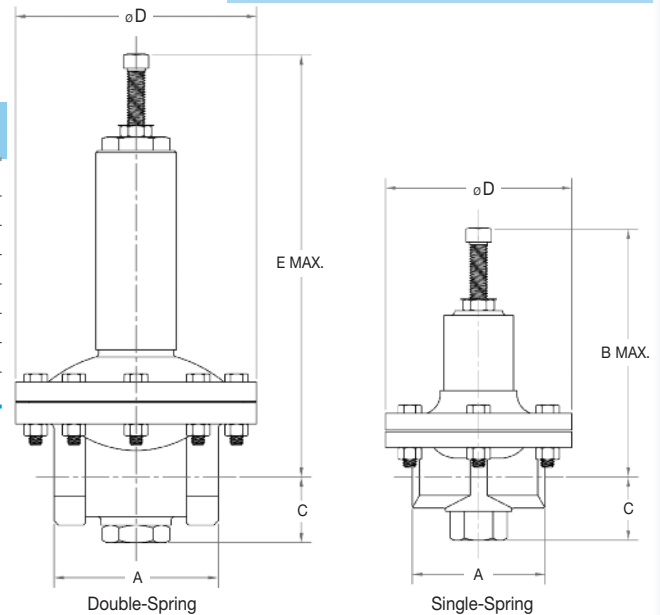
From the capacity chart, find the inlet pressure and required regulator outlet pressure. Follow across the chart to nearest capacity of application service medium that meets or slightly exceeds demand requirements. Follow vertically up to determine appropriate size. When exact application values are not shown interpolation between values is acceptable. From the Spring Ranges chart, select the ideal spring range that accommodates the required outlet set pressure then confirm that system pressure requirements can be met.

Application: 195 pph of 100 psi steam reduced to 70 psi.
Size/Model: 1/2 NPT 995B red/yellow spring

All dimensions are nominal. Dimensions in [] are in millimeters

Size (NPT)	A	B	C	D	E Double Spring	Approximate Shipping Wt.
3/8	4.25 [108]	6.5 [165]	4.0 [102]	5.2 [132]	-	8 lbs [3.6 kg]
1/2	3.6 [92]	6.5 [165]	4.0 [102]	5.2 [132]	-	8 lbs [3.6 kg]
3/4	3.6 [92]	6.5 [165]	4.0 [102]	5.2 [132]	-	8 lbs [3.6 kg]
3/4 HC*	3.6 [92]	8.0 [203]	2.0 [51]	5.9 [149]	10.5 [267]	15 lbs [6.8 kg]
1	4.5 [114]	8.5 [216]	2.0 [51]	6.7 [170]	11.0 [279]	18 lbs [8.2 kg]
1 1/4	4.5 [114]	8.5 [216]	2.0 [51]	6.7 [170]	11.0 [279]	18 lbs [8.2 kg]
1 1/2	6.5 [165]	8.8 [222]	3.3 [84]	8.9 [225]	11.3 [286]	40 lbs [18.1 kg]
2	6.5 [165]	8.8 [222]	3.3 [84]	8.9 [225]	11.3 [286]	40 lbs [18.1 kg]

* 3/4 HC is high-capacity version of the standard 3/4 valve.



Valve Capacities

Inlet Press.		Outlet Press.			Inlet/Outlet Pressures (PSIG)																	
		3/8, 1/2, 3/4			3/4 HC *			1			1 1/4			1 1/2			2					
		Steam	Air	Water	Steam	Air	Water	Steam	Air	Water	Steam	Air	Water	Steam	Air	Water	Steam	Air	Water			
15	2	46	26	6	92	51	11	130	73	16	145	81	18	180	100	22	199	111	25			
	5	38	21	4	75	42	9	106	59	13	119	66	14	147	82	18	163	91	19			
20	5	65	36	8	130	72	15	184	102	22	205	114	25	254	141	30	281	156	34			
	10	61	34	6	123	69	13	174	97	18	194	109	20	241	134	25	266	149	27			
30	15	45	25	4	90	51	9	128	72	13	143	80	14	177	99	18	196	109	19			
	5	83	46	10	167	93	20	236	131	28	264	147	32	327	181	39	362	201	43			
50	10	83	46	10	167	93	18	236	131	25	264	147	28	327	181	35	362	201	39			
	20	71	40	6	142	79	13	201	112	18	225	126	20	278	155	25	308	172	27			
100	5	121	67	13	242	134	27	342	190	38	382	212	42	473	263	53	523	291	58			
	25	121	67	10	242	134	20	342	190	28	382	212	32	473	263	39	523	291	43			
150	40	87	49	6	174	97	13	247	138	18	276	154	20	341	191	25	377	211	27			
	30	214	119	17	428	238	33	607	337	47	678	376	53	839	466	66	928	515	73			
200	50	214	119	14	428	238	28	607	337	40	678	376	45	839	466	55	928	515	61			
	70	195	109	11	275	154	18	390	218	25	436	244	28	540	301	35	597	333	39			
250	30	261	145	19	522	290	39	739	410	55	826	458	62	1021	567	76	1130	627	84			
	50	261	145	17	522	290	35	739	410	49	826	458	55	1021	567	68	1130	627	75			
300	70	261	145	15	522	290	30	739	410	42	826	458	47	1021	567	58	1130	627	64			
	100	201	112	10	402	225	20	569	318	28	636	355	32	787	440	39	871	486	43			
400	30	307	171	22	615	341	44	871	484	62	974	540	69	1204	668	86	1332	740	95			
	50	307	171	20	615	341	40	871	484	57	974	540	63	1204	668	78	1332	740	87			
500	70	307	171	18	615	341	36	871	484	51	974	540	57	1204	668	70	1332	740	78			
	100	298	166	14	596	333	28	844	471	40	943	527	45	1167	652	55	1291	721	61			
600	120	239	133	11	478	267	22	677	378	31	756	422	35	935	523	43	1035	578	47			
	30	401	222	26	802	445	52	1135	630	74	1269	705	83	1570	871	102	1737	964	113			
800	50	401	222	24	802	445	49	1135	630	69	1269	705	78	1570	871	96	1737	964	106			
	70	401	222	23	802	445	46	1135	630	65	1269	705	72	1570	871	89	1737	964	99			
1000	100	401	222	20	802	445	40	1135	630	57	1269	705	63	1570	871	78	1737	964	87			
	50	494	274	28	988	549	57	1400	777	80	1565	869	90	1935	1074	111	2141	1189	123			
1200	70	494	274	27	988	549	54	1400	777	76	1565	869	85	1935	1074	105	2141	1189	116			
	125	494	274	22	988	549	45	1400	777	63	1565	869	71	1935	1074	88	2141	1189	97			

* 3/4 HC is high-capacity version of the standard 3/4 valve.

** Air and water capacities are based on using Viton diaphragm.

Note: For capacities of other gases multiply the air capacities by the following factors: Argon-0.85 CO₂-0.81 Helium-2.69 Nitrogen-1.02