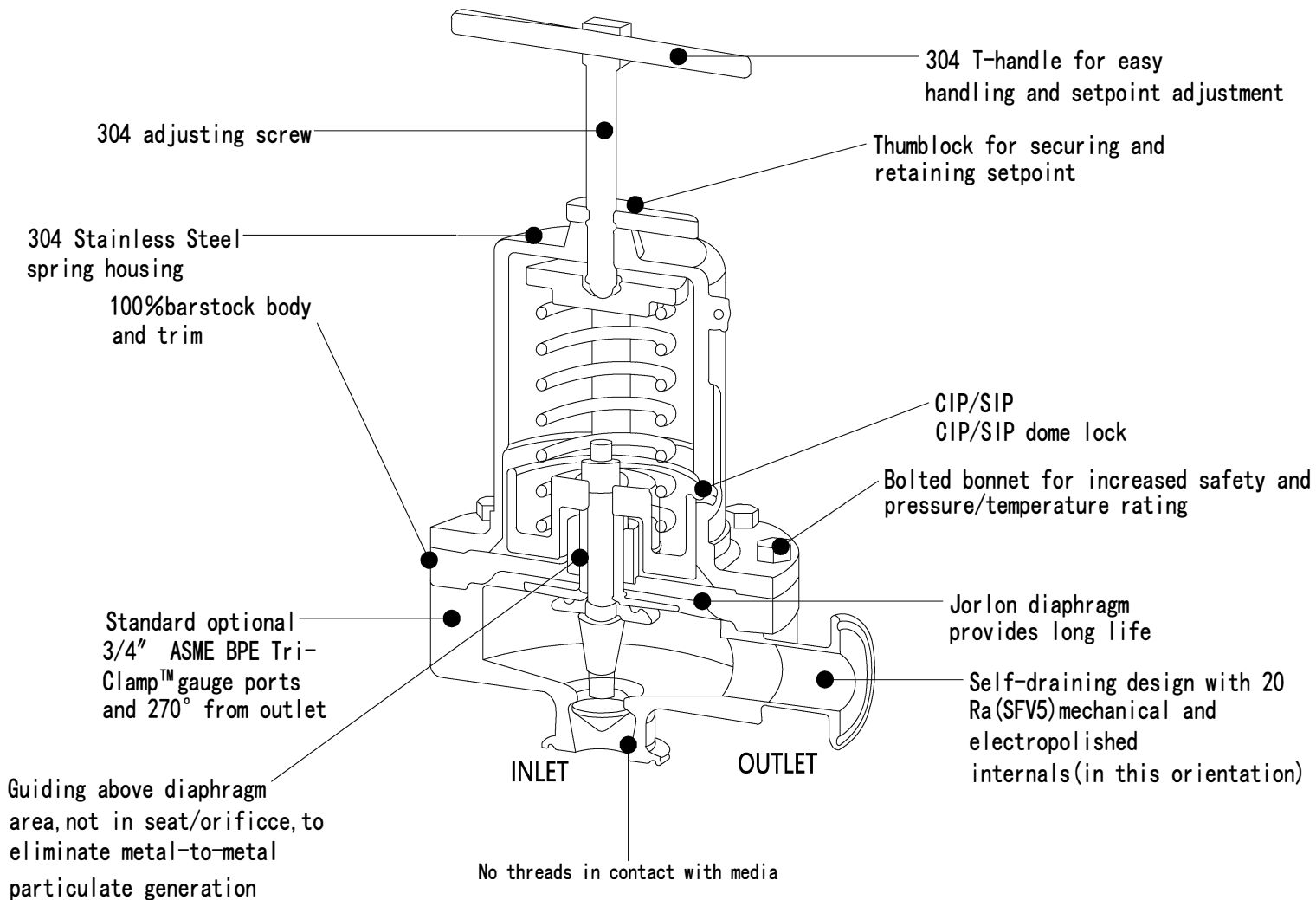


# Set Point Spring Ranges:

Valve Size	Set Point Ranges, PSI(bar)
3/4" & 1" DN20 & DN25	3-8*(0,2-0,5), 5-25(0,37-1,7), 15-50 (1,0-3,4), 40-90(2,7-6,2), or 75-135 (5,2-9,3)
1-1/2", DN40	10-25(0,7-1,7), 15-50(1,0-3,4) or 35-100(2,4-6,9)
2", DN50	10-25(0,7-1,7) or 15-60(1,0-4,1)
3", DN80	15-25(1,0-1,7) or 15-60(1,0-4,1)

\* Range available with elastomer or Ultra-thin Jorlon diaphragm only. Maximum pressure drop 40 psi.

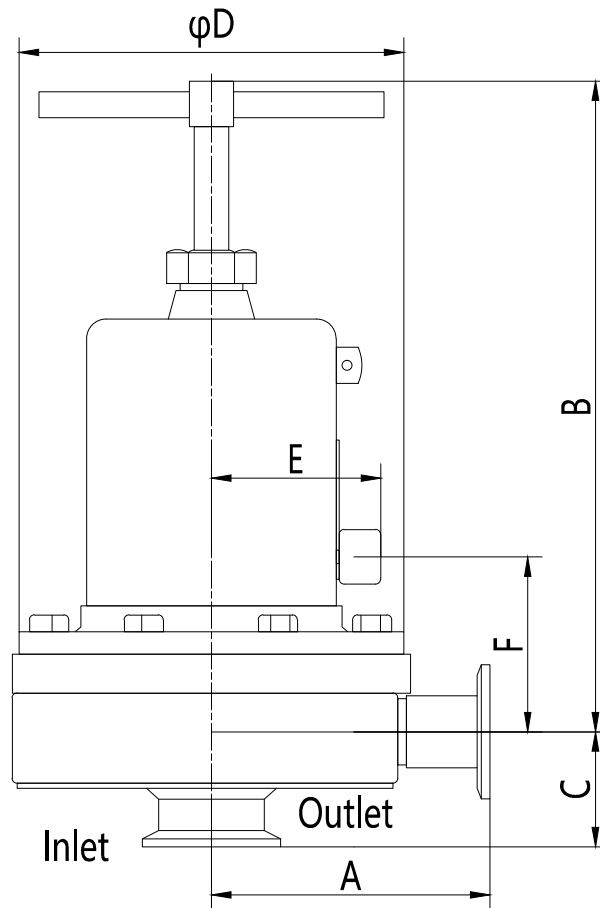
## FEATURES & BENEFITS



Body Pressure Temperature Rating: (dependent upon construction)

Valve Size	PSIG @ 100°F	PSIG @ 450°F
3/4", 1", DN20, DN25	350(24,1 bar)	250(17,2 bar)
1-1/2", 2", 3", DN40, 50, 80	200(13,8 bar)	200(13,8 bar)

Pressure on 1/2", 3/4" & 1" size limited to 225 psig (15, 5 bar) @100F and 200 psig (13, 8 bar) @400F if using Ultra-thin Jorlon diaphragm.



• ASME Tri-Clamp Ends,mm

Valve Size	Dimensions(mm)						Weight Kgs
	A	B	C	D	E	F	
3/4"	83,6	203	38,1	144,8	2.44	2.44	8
1"	101,6	203	41,7	144,8	2.44	2.57	9
1-1/2"	106,9	267	64,3	184,2	2.82	3.49	18/13*
2"	135,6	445	75,2	241	3.83	4.89	41/30**
3"	135,6	457	87,9	241	3.83	5.39	44

## CAPACITY CV AT VARIOUS DROOP %

Mark 96	Set Pressure PSIG (BAR)	Cv % @ Indicated Droop					Cv for Relief Valve Sizing
		5%	10%	15%	20%	30%	
3/4" , DN15 or DN20 1.5 Cv (1, 3 Kv) 15 to 50 psi (1, 0 3, 4 bar) range	15 (1, 0)	0.10	0.20	0.31	0.42	0.65	1.8 (1, 56 Kv)
	20 (1, 4)	0.12	0.26	0.39	0.54	0.83	
	25 (1, 7)	0.15	0.31	0.47	0.64	1.01	
	30 (2, 1)	0.18	0.36	0.55	0.75	1.17	
	35 (2, 4)	0.20	0.41	0.63	0.85	1.34	
	40 (2, 8)	0.22	0.46	0.70	0.96	1.50	
	45 (3, 1)	0.25	0.51	0.77	1.06	1.50	
	50 (3, 4)	0.27	0.55	0.85	1.16	1.50	
1" , DN25 4.5 Cv (3, 9 Kv) 15 to 50 psi (1, 0 3, 4 bar) range	15 (1, 0)	0.30	0.61	0.93	1.26	1.95	5.4 (4, 67 Kv)
	20 (1, 4)	0.37	0.77	1.18	1.61	2.50	
	25 (1, 7)	0.46	0.93	1.42	1.93	3.02	
	30 (2, 1)	0.53	1.08	1.65	2.25	3.52	
	35 (2, 4)	0.60	1.23	1.88	2.56	4.02	
	40 (2, 8)	0.67	1.37	2.10	2.87	4.50	
	45 (3, 1)	0.74	1.52	2.32	3.18	4.50	
	50 (3, 4)	0.81	1.66	2.55	3.48	4.50	
1-1/2" , DN40 10 Cv (8, 6 Kv) 15 to 50 psi (1, 0 3, 4 bar) range	15 (1, 0)	0.59	1.20	1.85	2.54	4.05	12 (10, 32 Kv)
	20 (1, 4)	0.66	1.36	2.10	2.91	4.68	
	25 (1, 7)	0.72	1.48	2.30	3.19	5.16	
	30 (2, 1)	0.77	1.57	2.45	3.40	5.55	
	35 (2, 4)	0.80	1.65	2.57	3.58	5.86	
	40 (2, 8)	0.83	1.71	2.67	3.73	6.13	
	45 (3, 1)	0.86	1.76	2.75	3.85	6.35	
	50 (3, 4)	0.88	1.80	2.82	3.95	6.53	
2" , DN50 19 Cv (16, 3 Kv) 15 to 60 psi (1, 0 4, 1 bar) range	15 (1, 0)	1.89	3.85	5.84	7.87	12.02	22.8 (19, 56 Kv)
	20 (1, 4)	2.66	5.40	8.19	11.04	16.88	
	25 (1, 7)	3.48	7.08	10.73	14.46	19.00	
	30 (2, 1)	4.41	8.91	13.47	18.17	19.00	
	35 (2, 4)	5.37	10.92	16.52	19.00		
	40 (2, 8)	6.45	13.16	19.00			
	45 (3, 1)	7.77	15.68	19.00			
	50 (3, 4)	9.23	18.54	19.00			
3" , DN80 23 Cv (19, 8 Kv) 15 to 60 psi (1, 0 4, 1 bar) range	15 (1, 0)	4.09	6.83	9.40	11.81	16.20	27.6 (23, 76 Kv)
	20 (1, 4)	5.03	8.56	11.81	14.79	20.10	
	25 (1, 7)	6.31	10.99	15.23	19.11	23.00	
	30 (2, 1)	7.29	12.73	17.60	21.98	23.00	
	35 (2, 4)	8.24	14.42	19.85	23.00		
	40 (2, 8)	9.17	16.04	21.98	23.00		
	45 (3, 1)	10.09	17.60	23.00			
	50 (3, 4)	10.99	19.11	23.00			
	55 (3, 8)	11.87	20.57	23.00			
	60 (4, 1)	12.73	21.98	23.00			