

"Suzhik" Offer hydraulic operated diaphragm type Pressure Reducing Valves Suitable for Air & Water.

Size Range : 2" to 24" Flanged

Relevant Standard :

Face To Face Of Valve As Per Manufacturing Standard
Flanges of Valve As Per ASME B 16.5 RF

Overview :

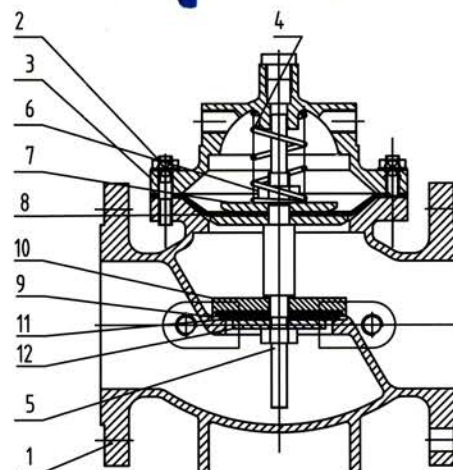
Pressure reducing valve is used to lower pipeline pressure to a pre-set value in water system and building service application. Automatically, quietly and smoothly control downstream pressure. The valve maintains a preset downstream pressure, regardless of upstream pressure or flow fluctuation. The main valve is controlled by a pilot valve, which makes the main valve modulating to maintain the downstream pressure.

Features :

- Hydraulically Operated, Accurate And Repeatable Pressure Control
- Pressure Reducing Pilot Feature Easy Operation And Accurate Pressure Control
- Top And Bottom Guided Stem And Diaphragm Assembly For Long Life And Reliable Performance
- Two Way To Install: Horizontally Or Vertically
- Disc quickly Open But Slowly Close To Prevent A Water Hammer
- High Precision For Decompression And The Adjusting Range is Extensive
- Valve Has Two Pressure Gage Indicating Upstream Pressure And Downstream Pressure

Pressure / Temperature

Temperature Range 80 °C (For Water & Air)
Maximum Inlet Pressure Cast Iron Body - 12 Kg/cm²
WCB / S. S. Body - 25 Kg/cm²
Pressure Adjusting Range 1 ~ 7 Kg/cm² / 4 ~ 10 Kg/cm² / 1 ~ 10 Kg/cm²
(1 Kg/cm² = 14.2 PSI)

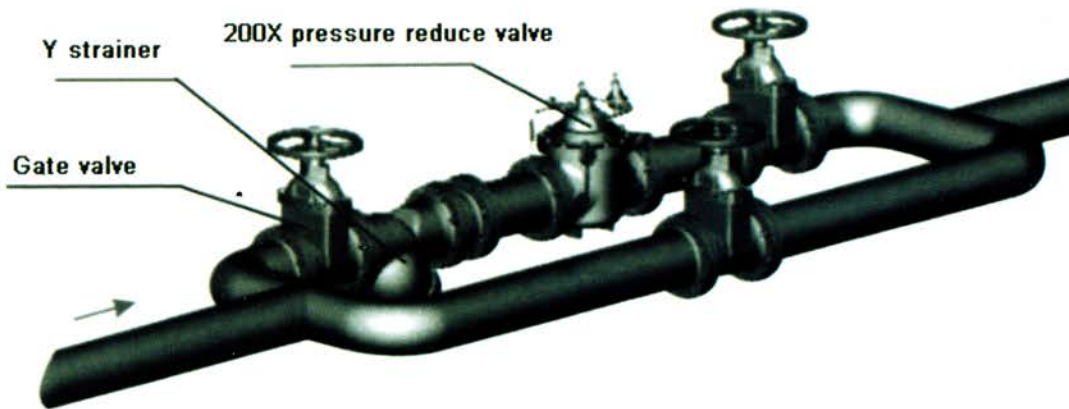



12	Diaphragm Disc	CI. / D.I.
11	Gasket	S.S.
10	Plate	S.S.
9	Seat	S.S.
8	Diaphragm	NBR
7	Plate	S.S.
6	Nut	S.S.
5	Steam	S.S.
4	Spring	S.S.
3	Cover	CAST IRON / DUCTILE IRON
2	Double End Bolt	S.S.
1	Body	CAST IRON / DUCTILE IRON
Item	Part Name	material

Specifications

Nom inal pressure (Kg/cm 2)	Shell Test Pressure(Kg/cm 2)	Sealing test pressure(Kg/cm 2)	Maximum outlet pressure (Kg/cm 2)	Regulator range of outlet (Kg/cm 2)
10	15	11	10	0.9 -8
16	24	17	16	1-14
25	37	27	26	1.5 - 16

Installation Example

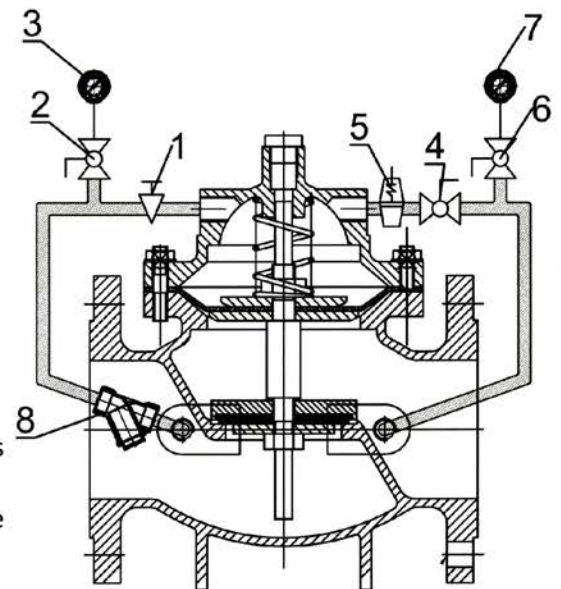


Adjusting The Setting Pressure In Pilot Valve

“Turn Anti Clock Wise The Adjusting Stem Of Pilot Valve To Set Lower Pressure”

Pressure Reducing Valve Drawing :

1 & 4	Pin Valve
2 & 6	Ball Valve
5	Pilot Valve
3 & 7	Pressure Gauge
8	Strainer

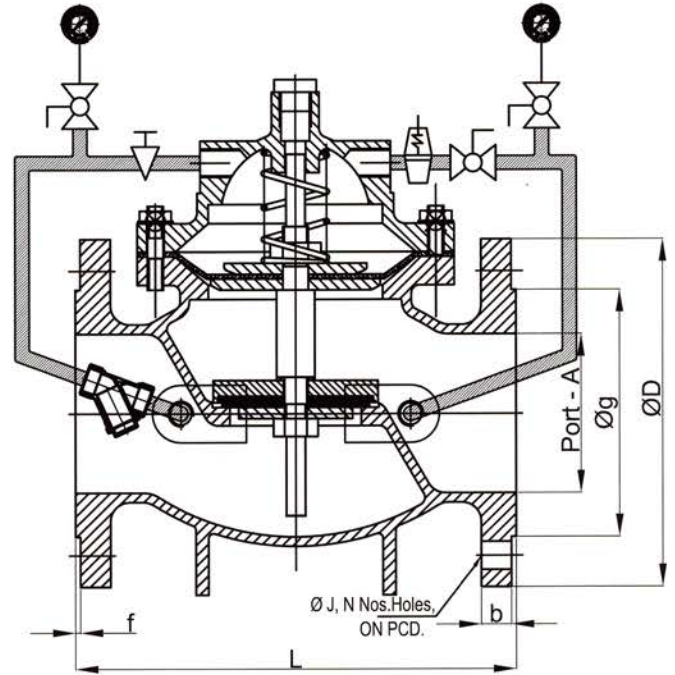


Before Installation :

- Clean And Remove All The Impurities Inside The Pipe, A Filter Is Recommended To Install.
- Make Sure The Direction Is Correct (Follow Embossed Arrow On The Valve Body For The Same).
- Setting Pressure Gets Higher By Turning The Adjusting Pilot Stem Clock Wise.
- The Pressure 1) For Inlet And 2) For Outlet
- Better Starter Up With Cold Water Supply Subsequently Hot Water Supply, Inspect For Leakage.
- “AIRA” PRV Should Be Checked / Inspected Annually To Assure Smooth Performances.
- This Valves Are Suitable For Outdoor Installation.

Dimensions :

Tolerance	±1mm	±3mm	+2mm -1mm	+3mm	±0.5mm	±1mm			±1.5mm
SIZE	Port A	L	ØD	b	f	Øg	ØJ	N	PCD
2" (50mm)	50	214.5	150	14.3	2	92.1	19.05	4	120.7
2.1/2" (65mm)	64	237.5	180	15.9	2	104.8	19.05	4	139.7
3" (80mm)	78	249	190	17.5	2	127	19.05	8	152.4
4" (100mm)	99.5	291	230	22.3	2	157.2	19.05	8	190.5
5" (125mm)	124	323	255	22.3	2	185.7	22.2	8	215.9
6" (150mm)	149	360	280	23.9	2	215.9	22.2	8	241.3
8" (200mm)	190	421	345	27	2	269.9	22.2	8	298.5
10" (250mm)	250	450	405	28.6	2	323.8	25.4	12	362
12" (300mm)	298	514	485	30.2	2	381	25.4	12	431.8
14" (350mm)	346	672	535	33.4	2	412.8	28.6	12	476.3
16" (400mm)	400	728	595	35	2	469.9	28.6	16	539.8
18" (450mm)	439	720	635	38.1	2	533.4	31.75	16	577.9
20" (500mm)	489	790	700	41.3	2	584.2	31.75	20	635
24" (600mm)	600	967	815	46.1	2	692.2	34.9	20	749.3



Our Global Presence



aira Euro automation pvt. ltd.

ISO 9001:2008 Certified Co.
INDIA

"Suzhik" Offer Pressure Reducing Valve Investment Cast Stainless Steel Material for Air, Water, Oil, Gas, Steam & Chemicals.

Size Range : 1/2" to 4" Screwed / Flange End

Standard

- 1/2" to 4" Meet requirements of
- ASSE Standard 1003. (ANST 112.26)
- CSA Standard B356
- (ASSE - American Society of Sanitary Engineering)
- (CSA - Canadian Standard Association)

Pressure / Temperature

- Temperature : 80 °C (For Water)
- Temperature : 180 °C (For Steam)
- Maximum Working Pressure : 21 Kg/cm², Inlet
- Pressure Adjusting Range : 1 ~ 6 Kg/cm², 4 ~ 10 Kg/cm²
8 ~ 13 Kg/cm², 12 ~ 20 Kg/cm² 20 ~ 35 Kg/cm²

Pressure Setting And Flow Rate Of Direct - Activated Pressure Reducing Valve

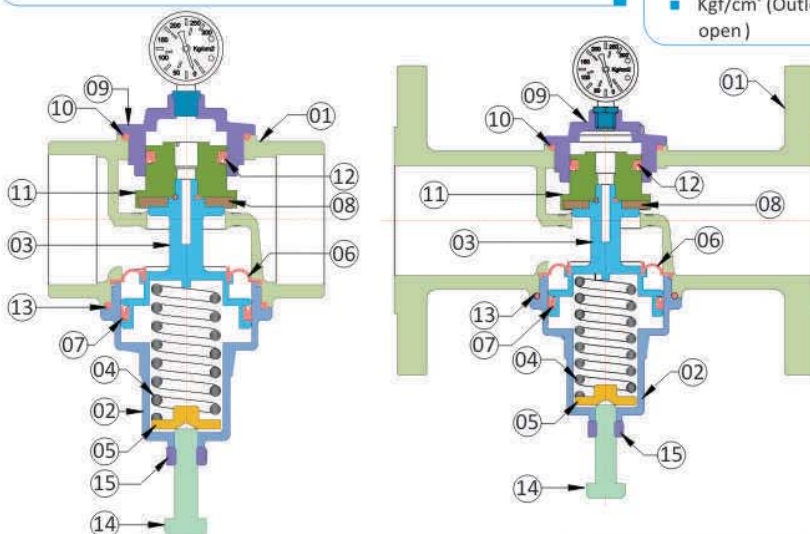
- Direct-activated pressure reducing valve directly opens and close valve gate by the outlet pressure
- When Outlet pressure is under setting pressure, valve gate automatically opens, To make valve gate fully open, adjustable pressure range and setting pressure are relative points.
- A : Pressure drop needed for fully-opened valve gate=B/4, B=Adjustable Pressure Range Maximum-Maximum
- B : Adjustable Pressure Range(=Maximum Maximum Adjustable Pressure Range)
- C : Setting Pressure of Outlet
- P : Pressure of fully-opened outlet valve gate, P=C-A
- Pressure drop needed for fully-opened valve gate for Adjusting Pressure range 3~9 kgf/cm² of direct activated pressure reducing valve.
- A=B/4=9 - 3 = 1.5 kgf/cm².
- If the setting pressure of outlet 6 kgf/cm², Pressure of fully opened valve gate will be P=6-1.5 = 4.5
- kgf/cm² (Outlet Pressure should go down under 4.5kgf/cm² to make valve gate fully open)

Options

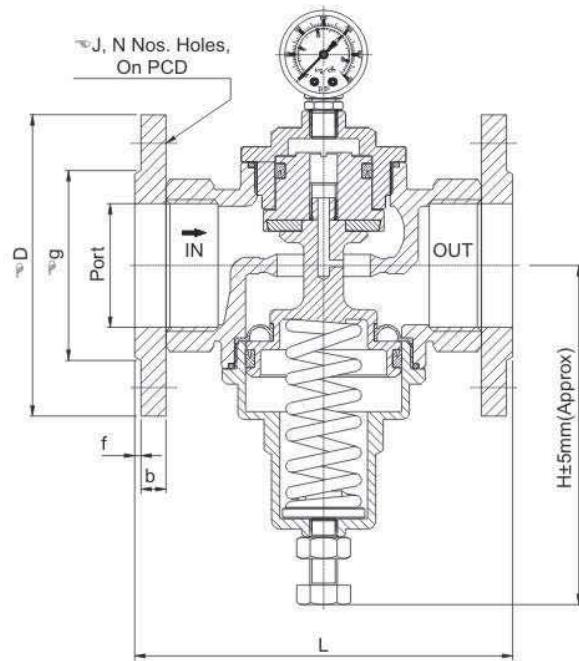
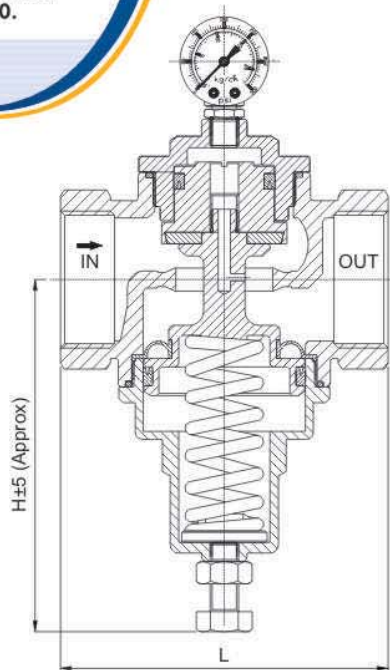
- Available different Models for Air, Water, Oil, Gas, Steam & Chemical
- LP - Low Pressure Range : 10 - 35 PSI
- HP - High Pressure Range : Max. Inlet 40 Kg/cm²
Outlet 12 ~ 25 Kg/cm²
20 ~ 35 Kg/cm²

Example

- Pressure drop needed for fully - opened valve gate for adjustable Pressure range 3 ~ 9 Kg/cm² of direct activated pressure reducing valve
- A = B / 4 = 9 - 3 = 1.5 Kg/cm²
- If the setting pressure of outlet 6 Kg/cm², Pressure of fully - opened valve gate will be P = 6 - 1.5 = 4.5
- Kgf/cm² (Outlet Pressure should go down under 4.5 Kg/cm² to make valve gate fully open)



No.	Description	Material	Qty.
01	Body	CF8 / CF8M	01
02	Bonnet	CF8 / CF8M	01
03	Piston	CF8 / CF8M	01
04	Spring	S. S. 302	01
05	Spring Guide	Brass / S. S. 410	01
06	Diaphragm	NBR / Viton	01
07	Piston V - Seal	NBR / Viton	01
08	Washer	NBR / Viton	01
09	End Cover	CF8 / CF8M	01
10	End Cover 'O' - Ring	NBR / Viton	01
11	Plug	CF8 / CF8M	01
12	Plug V - Seal	NBR / Viton	01
13	Bonnet 'O' - Ring	NBR / Viton	01
14	Adjusting Bolts	S. S. 304 / 316	01
15	Adjusting Nut	S. S. 304 / 316	01



Dimensions : (Screwed End) (All Dimensions are in mm)

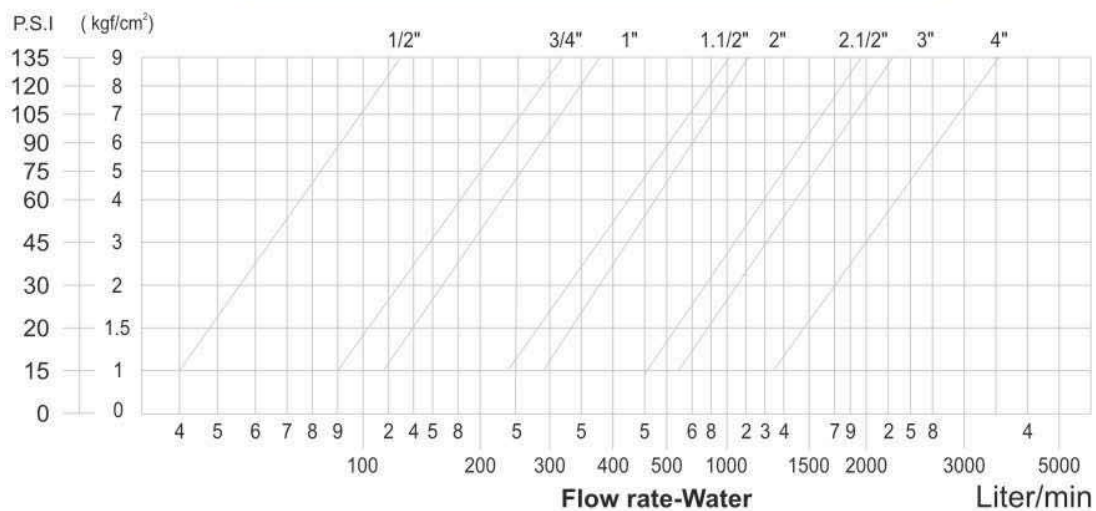
Valve Model	Valve Size		L	H	CV	Weight Approx.
	MM	Inch				
WGS-15-SD	15	1/2"	70.5	72	24	0.800
WGS-20-SD	20	3/4"	85.5	87	9	1.000
WGS-25-SD	25	1"	90.5	91	11	1.000
WGS-32-SD	32	1.1/4"	98.5	100	12.15	1.200
WGS-40-SD	40	1.1/2"	115	116	21	2.250
WGS-50-SD	50	2"	120	120	25	2.400
WGS-65-SD	65	2.1/2"	148	147	75	7.650
WGS-80-SD	80	3"	177	176	80	8.050
WGS-100-SD	100	4"	190	190	120	12.500

Dimensions : (Flange End)

(All Dimensions are in mm)

Valve Model	Valve Size		Port	ØD	b	Øg	f	ØJ	N	PCD	L	H	Weight Approx.
	MM	Inch											
WGF-15-FD	15	1/2"	12.5	88.9	8.9	35.05	2	15.75	4	60.45	138	100.8	1.500
WGF-20-FD	20	3/4"	17	98.55	8.9	42.9	2	15.75	4	69.85	147	111.1	2.000
WGF-25-FD	25	1"	24	107.9	9.6	50.8	2	15.75	4	79.25	127	87.7	2.250
WGF-32-FD	32	1.1/4"	30	117.34	11.1	63.5	2	15.75	4	88.9	170	108.8	3.100
WGF-40-FD	40	1.1/2"	37	127	12.6	73	2	15.75	4	98.55	195	137.5	4.700
WGF-50-FD	50	2"	49	152.4	14.15	91.95	2	19.05	4	120.65	208	138.5	6.300
WGF-65-FD	65	2.1/2"	64	177.8	15.4	104.65	2	19.05	4	139.7	210	----	13.500
WGF-80-FD	80	3"	80	192.5	17.9	129.16	2	19.05	4	152.4	225.5	----	14.500
WGF-100-FD	100	4"	100	230.6	22.4	158.57	2	19.05	8	190.5	251	----	24.600

Flow Chart of Inlet and Outlet Pressure Drop



FLOW CHART OF PRV FOR WATER AT 50 DEG C (US GPM)

OUTLET	INLET	CV	SIZE	30 PSI	45 PSI	60 PSI	75 PSI	90 PSI	105 PSI	120 PSI	135 PSI	150 PSI	165 PSI	180 PSI
15	PSI	2.4	1/2"	9.29	10.73	16.08	18.58	20.78	22.75	25.39	26.28	27.86	29.38	30.82
		9	3/4"	34.83	40.23	60.30	69.66	77.94	85.32	95.22	98.55	104.49	110.16	115.56
		11	1"	42.57	49.17	73.70	85.14	95.26	104.28	116.38	120.45	127.71	134.64	141.24
		12.15	1.1/4"	47.02	54.31	81.41	94.04	105.22	115.18	128.55	133.04	141.06	148.72	156.01
		21	1 1/2"	81.27	93.87	140.70	162.54	181.86	199.08	222.18	229.95	243.81	257.04	269.64
		25	2"	96.75	111.75	167.50	193.50	216.50	237.00	264.50	273.75	290.25	306.00	321.00
		75	2 1/2"	290.25	335.25	502.50	580.50	649.50	711.00	793.50	821.25	876.00	918.00	963.00
		80	3"	309.60	357.60	536.00	619.20	692.80	758.40	846.40	876.00	928.80	979.20	1027.20
120	4"	464.40	536.40	804.00	928.80	1039.20	1137.60	1269.60	1314.00	1393.20	1468.80	1540.80		
30	PSI	2.4	1/2"	9.29	10.73	16.08	18.58	20.78	22.75	25.39	26.28	27.86	29.38	30.82
		9	3/4"	34.83	40.23	60.30	69.66	77.94	85.32	95.22	98.55	104.49	110.16	115.56
		11	1"	42.57	49.17	73.70	85.14	95.26	104.28	116.38	120.45	127.71	134.64	141.24
		12.15	1.1/4"	47.02	54.31	81.41	94.04	105.22	115.18	128.55	133.04	141.06	148.72	156.01
		21	1 1/2"	81.27	93.87	140.70	162.54	181.86	199.08	222.18	229.95	243.81	257.04	269.64
		25	2"	96.75	111.75	167.50	193.50	216.50	237.00	264.50	273.75	290.25	306.00	321.00
		75	2 1/2"	290.25	335.25	502.50	580.50	649.50	711.00	793.50	821.25	876.00	918.00	963.00
		80	3"	309.60	357.60	536.00	619.20	692.80	758.40	846.40	876.00	928.80	979.20	1027.20
120	4"	464.40	536.40	804.00	928.80	1039.20	1137.60	1269.60	1314.00	1393.20	1468.80	1540.80		
45	PSI	2.4	1/2"	9.29	10.73	16.08	18.58	20.78	22.75	25.39	26.28	27.86	29.38	30.82
		9	3/4"	34.83	40.23	60.30	69.66	77.94	85.32	95.22	98.55	104.49	110.16	115.56
		11	1"	42.57	49.17	73.70	85.14	95.26	104.28	116.38	120.45	127.71	134.64	141.24
		12.15	1.1/4"	47.02	54.31	81.41	94.04	105.22	115.18	128.55	133.04	141.06	148.72	156.01
		21	1 1/2"	81.27	93.87	140.70	162.54	181.86	199.08	222.18	229.95	243.81	257.04	269.64
		25	2"	96.75	111.75	167.50	193.50	216.50	237.00	264.50	273.75	290.25	306.00	321.00
		75	2 1/2"	290.25	335.25	502.50	580.50	649.50	711.00	793.50	821.25	876.00	918.00	963.00
		80	3"	309.60	357.60	536.00	619.20	692.80	758.40	846.40	876.00	928.80	979.20	1027.20
120	4"	464.40	536.40	804.00	928.80	1039.20	1137.60	1269.60	1314.00	1393.20	1468.80	1540.80		
60	PSI	2.4	1/2"	9.29	10.73	16.08	18.58	20.78	22.75	25.39	26.28	27.86	29.38	30.82
		9	3/4"	34.83	40.23	60.30	69.66	77.94	85.32	95.22	98.55	104.49	110.16	115.56
		11	1"	42.57	49.17	73.70	85.14	95.26	104.28	116.38	120.45	127.71	134.64	141.24
		12.15	1.1/4"	47.02	54.31	81.41	94.04	105.22	115.18	128.55	133.04	141.06	148.72	156.01
		21	1 1/2"	81.27	93.87	140.70	162.54	181.86	199.08	222.18	229.95	243.81	257.04	269.64
		25	2"	96.75	111.75	167.50	193.50	216.50	237.00	264.50	273.75	290.25	306.00	321.00
		75	2 1/2"	290.25	335.25	502.50	580.50	649.50	711.00	793.50	821.25	876.00	918.00	963.00
		80	3"	309.60	357.60	536.00	619.20	692.80	758.40	846.40	876.00	928.80	979.20	1027.20
120	4"	464.40	536.40	804.00	928.80	1039.20	1137.60	1269.60	1314.00	1393.20	1468.80	1540.80		
75	PSI	2.4	1/2"	9.29	10.73	16.08	18.58	20.78	22.75	25.39	26.28	27.86	29.38	30.82
		9	3/4"	34.83	40.23	60.30	69.66	77.94	85.32	95.22	98.55	104.49	110.16	115.56
		11	1"	42.57	49.17	73.70	85.14	95.26	104.28	116.38	120.45	127.71	134.64	141.24
		12.15	1.1/4"	47.02	54.31	81.41	94.04	105.22	115.18	128.55	133.04	141.06	148.72	156.01
		21	1 1/2"	81.27	93.87	140.70	162.54	181.86	199.08	222.18	229.95	243.81	257.04	269.64
		25	2"	96.75	111.75	167.50	193.50	216.50	237.00	264.50	273.75	290.25	306.00	321.00
		75	2 1/2"	290.25	335.25	502.50	580.50	649.50	711.00	793.50	821.25	876.00	918.00	963.00
		80	3"	309.60	357.60	536.00	619.20	692.80	758.40	846.40	876.00	928.80	979.20	1027.20
120	4"	464.40	536.40	804.00	928.80	1039.20	1137.60	1269.60	1314.00	1393.20	1468.80	1540.80		
90	PSI	2.4	1/2"	9.29	10.73	16.08	18.58	20.78	22.75	25.39	26.28	27.86	29.38	30.82
		9	3/4"	34.83	40.23	60.30	69.66	77.94	85.32	95.22	98.55	104.49	110.16	115.56
		11	1"	42.57	49.17	73.70	85.14	95.26	104.28	116.38	120.45	127.71	134.64	141.24
		12.15	1.1/4"	47.02	54.31	81.41	94.04	105.22	115.18	128.55	133.04	141.06	148.72	156.01
		21	1 1/2"	81.27	93.87	140.70	162.54	181.86	199.08	222.18	229.95	243.81	257.04	269.64
		25	2"	96.75	111.75	167.50	193.50	216.50	237.00	264.50	273.75	290.25	306.00	321.00
		75	2 1/2"	290.25	335.25	502.50	580.50	649.50	711.00	793.50	821.25	876.00	918.00	963.00
		80	3"	309.60	357.60	536.00	619.20	692.80	758.40	846.40	876.00	928.80	979.20	1027.20
120	4"	464.40	536.40	804.00	928.80	1039.20	1137.60	1269.60	1314.00	1393.20	1468.80	1540.80		

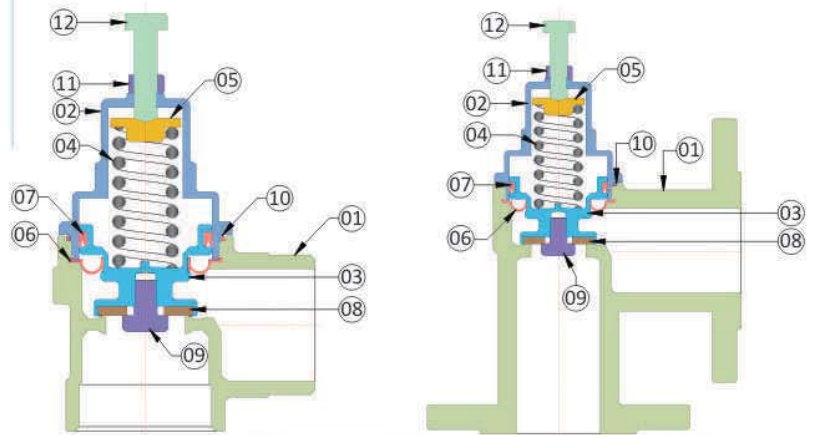
"Suzhik"
Industries.

Offers Advance Combination Angle type Silent Safety Valve for Third Generation Process

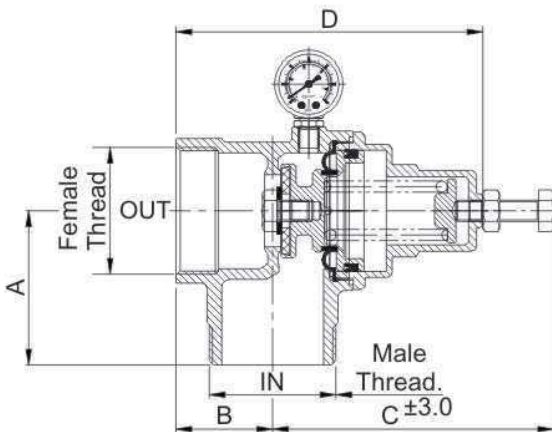
Size Range : 1/2" to 4" Screwed / Flanged

Pressure / Temperature

- Temperature Range : 80 °C (For Water) / 180 °C (For Steam)
- Maximum Working Pressure : 21 Kg/cm² Inlet
- Pressure Adjusting Range : 0.5 ~ 10 Kg/cm² / 10 ~ 20 Kg/cm²
20 ~ 30 Kg/cm² / 30 ~ 40 Kg/cm²
40 ~ 50 Kg/cm²

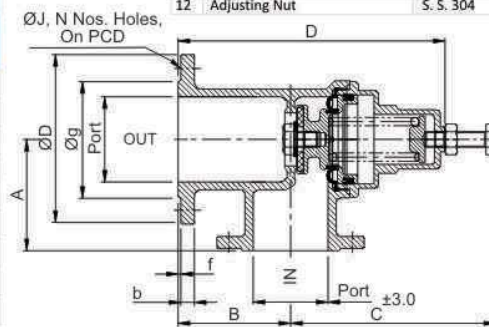


No.	Description	Material	Qty.
01	Body Screwed	CF8 / CF8M	01
02	Bonnet	CF8 / CF8M	01
03	Plug	CF8 / CF8M	01
04	Spring	S. S. 302	01
05	Spring Guide	Brass / S. S. 410	01
06	Diaphragm	NBR / Viton	01
07	V - Seal	NBR / Viton	01
08	Washer	NBR / Viton	01
09	Plug Bolt	CF8 / CF8M	01
10	O - Ring	NBR / Viton	01
11	Adjusting Bolt	S. S. 304	01
12	Adjusting Nut	S. S. 304	01



Dimensions : (Screwed) (All Dimensions are in mm)

Valve Model	Valve Size		A	B	C	D	Weight (Approx.)
	MM	Inch					
PLS - 15	15	1/2"	48.8	22.1	118	98.5	0.750
PLS - 20	20	3/4"	50	28	118	104.5	0.732
PLS - 25	25	1"	54.8	31	118	107.5	0.903
PLS - 32	32	1.1/4"	63.4	37	117	113	1.084
PLS - 40	40	1.1/2"	68	40.5	146	139.5	1.683
PLS - 50	50	2"	72.5	45.5	146	144.5	1.857
PLS - 65	65	2.1/2"	107.4	55	180	228.5	5.800
PLS - 80	80	3"	113	66.2	180	235.5	6.500
PLS - 100	100	4"	135	79	225.5	293.5	10.00



Dimensions : (Flange End)

(All Dimensions are in mm)

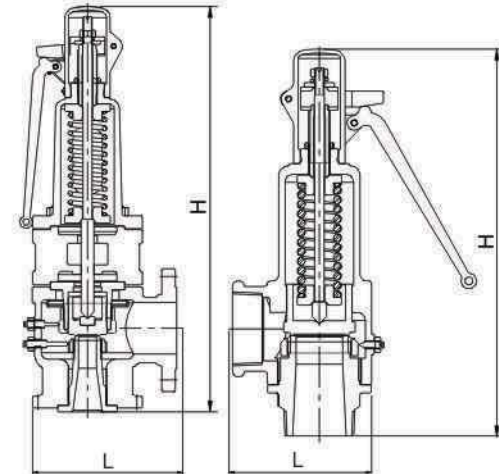
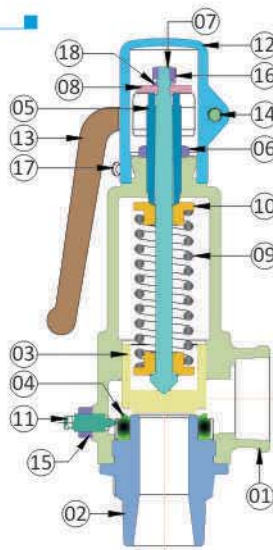
Valve Model	Valve Size		A	B	C	D	Port	ØD	b	Øg	f	ØJ	N	PCD	Weight (Approx.)
	MM	Inch													
PLF - 25	25	1"	72	70	116.6	147.3	24	107.9	9.6	50.8	2	15.9	4	79.4	2.000
PLF - 40	40	1.1/2"	90	92	146.6	189	37	127	12.7	73	2	15.9	4	98.4	4.100
PLF - 50	50	2"	104.5	104.5	147.4	204	49	157.4	14.3	92.1	2	19.05	4	120.7	5.900
PLF - 65	65	2.1/2"	115	115	180.7	283.5	64	177.8	15.9	104.8	2	19.05	4	139.7	11.400
PLF - 80	80	3"	125	125	181.7	293	75	190	17.5	127	2	19.05	4	152.4	13.150
PLF - 100	100	4"	145	145	224.2	356.5	98	228.6	22.3	157.2	2	19.05	8	190.5	21.500

Size Range : 1/2" to 4" Screwed / Flanged

Function

- Safety valves are used on Pressure equipments, Containers or Pipeline as over Pressure in the equipment increases and exceeds allowance, the valve can automatically open to discharge some mediums to prevent the pressure keeping raised. When the pressure decreases till to the stipulated value, the valve can close in time to avoid the pressure too much reduced, so that normal production will be carried out.

No.	Description	Material	Qty.
01	Body Screwed	WCB / CF8 / CF8M	01
02	Bonnet	WCB / CF8 / CF8M	01
03	Balanced Piston	CF8 / CF8M	01
04	Adjusting Ring	S. S. 304	01
05	Adjusting Bolt	S. S. 304	01
06	Adjusting Lock Nut	M. S.	01
07	Stem	S. S. 304	01
08	Flat Washer	M. S.	01
09	Spring	S. S. 302	01
10	Spring Guide	S. S. 304	02
11	Lock Screw	S. S. 304	01
12	Cap	CF8 / CF8M	01
13	Lifting Lever	CF8 / CF8M	01
14	Lever Pin	S. S. 304	01
15	Hex. Nut Lock Screw	ASTM 194	01
16	Hex. Nut For Steam	ASTM 194	01
17	Fitting Bolt For Cap	ASTM 194	02
18	Spring Washer	S. S. 304	01

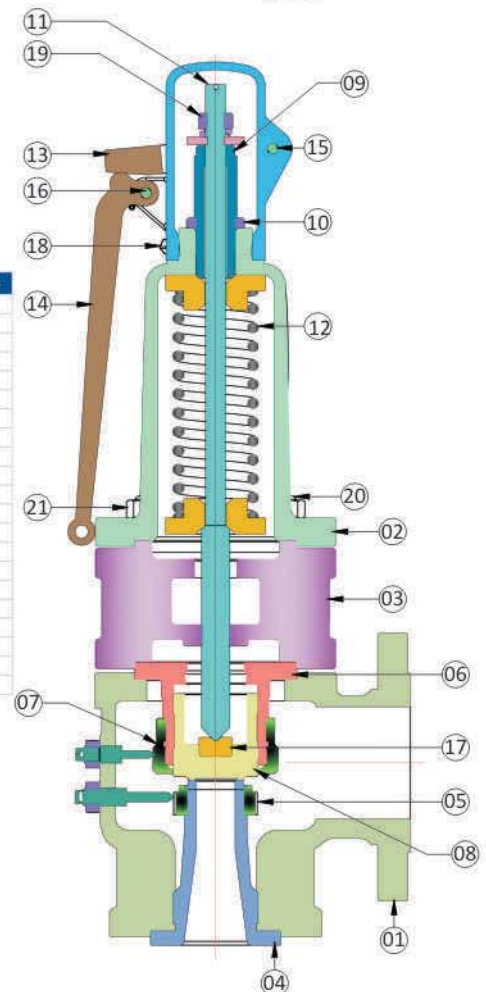


Screwed End Dimension

Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size		L	H
	MM	Inch		
PTS - 15	15	1/2"	59.5	193.5
PTS - 20	20	3/4"	67	212.5
PTS - 25	25	1"	75	235.8
PTS - 32	32	1.1/4"	88.5	273.85
PTS - 40	40	1.1/2"	100	293.2
PTS - 50	50	2"	110	324.8
PTS - 65	65	2.1/2"	133	415.85
PTS - 80	80	3"	174.5	486

No.	Description	Material	Qty.
01	Body Flanged	WCB	01
02	Top Cover	WCB	01
03	Bracket	WCB	01
04	Bonnet	CF8 / CF8M	01
05	Bonnet Adjusting Ring	CF8 / CF8M	01
06	Piston Guide	CF8 / CF8M	01
07	Piston Guide Adjusting Ring	CF8 / CF8M	01
08	Piston	CF8 / CF8M	01
09	Adjusting Bolt	S. S. 304	01
10	Adjusting Lock Nut	M. S.	01
11	Stem	S. S. 304	01
12	Spring	S. S. 302	01
13	Lifting Lever	CF8 / CF8M	01
14	Lifting Handle	CF8 / CF8M	01
15	Lifting Lever Pin	M. S.	01
16	Lifting Handle Pin	M. S.	01
17	Piston Bush	M. S.	01
18	Cap Lock Nut	M. S.	02
19	Nut For Stem	M. S.	01
20	Fitting Stud	M. S.	08
21	Fitting Nut	M. S.	08



Flange End Dimension

Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size		L	H
	MM	Inch		
PTF - 50	50	2"	213	627.3
PTF - 65	65	2.1/2"	235	652.4
PTF - 80	80	3"	248	809.5

"Suzhik" Offer High Flow Drum Type Pressure Reducing Valves Suitable for Air, Water, Steam, Gas & Oil ect.

Size Range : 2" to 24" Flanged

Relevant Standard :

Face To Face Of Valve As Per Manufacturing Standard
Flanges of Valve As Per ASME B 16.5 RF

Features :

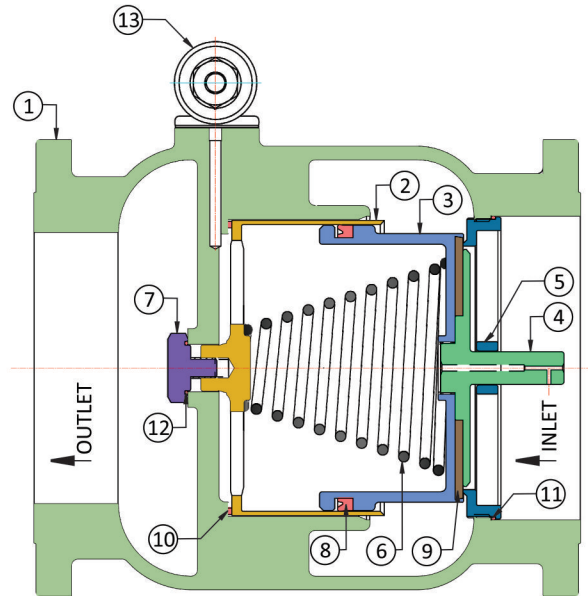
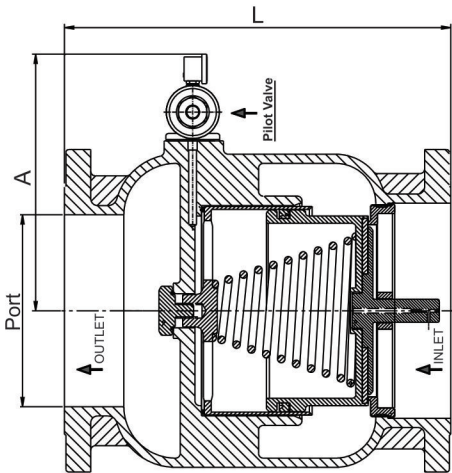
- Smart Design with High Flow Characteristics
- Pressure reducing valve can be installed in water supply, air conditioning and fire control systems to maintain the Constant outlet pressure.
- The pressure reducing valve used a sub-valve (pilot valve) to control the main valve. When the outlet pressure reaches the setting range of pressure reducing pilot valve, the pilot valve will automatically sense the outlet pressure and adjusting the pressure of the back pressure chamber in the main valve, so the valve gate can be opened and consequently maintains the out let pressure.
- The pressure gauge on the pilot valve shows the outlet pressure. When the outlet opens, the valve of the pressure gauge will decrease.

Suzhik



Pressure / Temperature

Temperature Range 80 °C (For Water) / 180 °C (For Steam)
Maximum Inlet Pressure Cast Iron Body - 14 Kg/cm²
WCB / S. S. Body - 21 Kg/cm²
Pressure Adjusting Range 1 ~ 7 Kg/cm² / 4 ~ 12 Kg/cm²
(1 Kg/cm² = 14.2 PSI)



Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size		Port	A	L	CV	Weight (Approx.)
	MM	Inch					
DPF - 50	50	2"	60	186	190	75	9.180
DPF - 65	65	2.1/2"	69	196	210	105	11.960
DPF - 80	80	3"	84	211	225	140	17.580
DPF - 100	100	4"	110	223.5	250	260	23.340
DPF - 125	125	5"	131.5	242	280	390	49.560
DPF - 150	150	6"	158.5	256.5	309.5	550	49.560
DPF - 200	200	8"	208.5	303	419	1000	92.300
DPF - 250	250	10"	257	336	473	1699	124.320
DPF - 300	300	12"	302	370	532	2200	196.840
DPF - 350	350	14"	324	415	598.4	3000	265.000
DPF - 400	400	16"	345	413	634	4000	278.600
DPF - 450	450	18"	472	407	766	5300	457.000
DPF - 500	500	20"	472	493	772.7	6100	491.450
DPF - 600	600	24"	589	533	900	9200	-----

No.	Description	Material	Qty.
1	Body	WCB / C.I. / D.I. / CF8 / CF8M	01
2	Cover	Stainless Steel 304 / 316	01
3	Plug	Stainless Steel 304 / 316	01
4	Piston	Stainless Steel 304 / 316	01
5	Piston Guide	Stainless Steel 304 / 316	01
6	Spring For Piston	S. S. 304	01
7	Piston Cover Lock Bolt	S. S.	01
8	V - Seal For Piston	NBR / Viton / EPDM	01
9	Piston Seat Ring	NBR / Viton / EPDM	01
10	Flat Ring	NBR / Viton / EPDM	01
11	O - Ring For Piston Guide	NBR / Viton / EPDM	01
12	O - Ring For Piston Lock Bolt	NBR / Viton / EPDM	01
13	Pilot PRV Valve	STD.	01