

# MINIMUM PRESSURE VALVE



**OPERATION:** Installed directly at the downstream from the air oil separator, the Minimum Pressure Valve provides two functions:

- At start-up, the valve stay closed up to the set opening pressure and then opens to maintain a minimum pressure in the air-oil separator assures pressure for lubricating the compressor.
- At shutdown, the check valve close to prevent back flow through the compressor.

**INSTALLATION:** The Minimum Pressure Valve are installed at the outlet of the separator or in the discharge line after the separator. It can be connect by thread or flange.

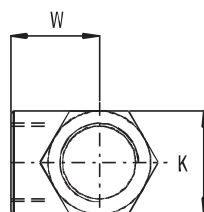
**REPLACEMENT:** The stress on valve parts depends on compressor application and operating parameters. Inspect the valve and replace, using VMC spare part kit, after 8.000 operating hours.

## TECHNICAL DATA

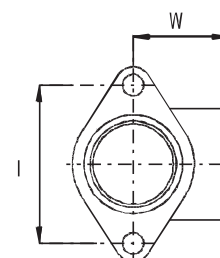
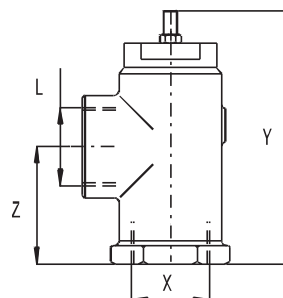
THREAD TYPE		G10 1/2"	G10 3/4"	G25	G35	G40	G50	G55	G60
Rate Flow fully open	m <sup>3</sup> /1'	1	1,5	3,5	6	12	22	40	60
Pressure Drop	bar	From 0,03 to 0,2 Bar							
Materials		Housing in aluminium alloy anodized. Internal parts in stainless steel, viton sealings and brass							
Set opening Pressure	bar	From 3 to 5,5. Standard settings 4,5 ± 0,25							
X	Inch	Rp 1/2"	Rp 3/4"	Rp 1"	Rp1*1/4	Rp1*1/2	Rp2"	-	-
Y	mm	86	86	102	128	190	276	281	328
Z	mm	32	32	50	63	58	67,5	114,5	130
L	mm	Rp 1/2"	Rp 3/4"	Rp 1"	Rp1*1/4	Rp1*1/2	Rp2"	Ø80	Ø90
K	Es.	36	36	44	55	70	86	-	-
W	mm	33	33	38	47	60	70,5	126	132
Weight	Kg	0,28	0,28	0,53	0,95	2	3,2	7,5	8

FLANGE TYPE			G25F	G35F	G40F	G50F			
X	mm	-	-	Ø30,5	Ø30,5	Ø50	46	Ø80	Ø82
Y	mm	-	-	-	-	199,5	-	-	-
Z	mm	-	-	42	49	75	67,5	114,5	-
L	mm	-	-	Rp 1"	Rp1*1/4	Ø40,3	Ø60	-	-
I (Inlet Flange)	mm	-	-	67	78	110	105	160	160
I (Outlet Flange)	mm	-	-	67	78	110	105	160	180
Flange Bores		-	-	2	2	4	4	8	8
Weight	Kg	0,28	0,28	0,6	1	3,2	3,2	7,5	8



THREAD



FLANGE