



## PRESSURE RELIEF VALVE

DUCTILE IRON HYDRAULICALLY OPERATED, PILOT CONTROLLED, PN16

Model Number: **MV80-311**

### FEATURES / CHARACTERISTICS

Working Pressure	PN16
Connection	Flanged to BS EN1092-2, PN16 (ex BS4504)
Working Medium	Water
Face to Face	EN558-1
Test Standard	ISO 5208/EN12266-1
Set Pressure (SP)	$\leq 13.3\text{bar}$
Blowdown	$\leq 1\text{ bar (SP} < 3\text{bar)}$ $\leq 0.8 \times \text{SP (SP} \geq 3\text{bar)}$

Full port design, low pressure lost when fully opened,  
Highly sensitive and reinforced diaphragm,  
Stable performance, long service life  
Simple operation, convenient adjusting,  
Precise pressure reducing

### ON REQUEST

ANSI standards (subject to minimum order quantities).

### HYDROSTATIC TEST PRESSURE

Shell- 25 bar  
Seat- 17.6 bar

### WORKING TEMPERATURE

16 Bar 0° C to 80° C water



### MATERIAL SPECIFICATIONS

	PARTS	MATERIAL
1	Body	Ductile Iron
2	Seat	Stainless Steel
3	O-Ring	NBR/EPDM
4	Bonnet	Ductile Iron
5	Guide Bush	Bronze
6	Spring	Stainless Steel
7	Stem Nut	Steel
8	Diaphragm Washer	Ductile Iron
9	Diaphragm	EPDM/NBR+Nylon Fabric
10	Disc Retainer	Ductile Iron
11	Seal Ring	EPDM
12	Disc Guide	Stainless steel
13	Stem	Stainless steel
14	Restriction	Stainless steel
15	Needle Valve	Bronze/Stainless Steel
16	Pressure Relief Pilot	Stainless steel
17	Ball Valve	Bronze/Stainless Steel
18	Strainer	Stainless steel
19	Tube	Bronze/Stainless Steel



# PRESSURE RELIEF VALVE

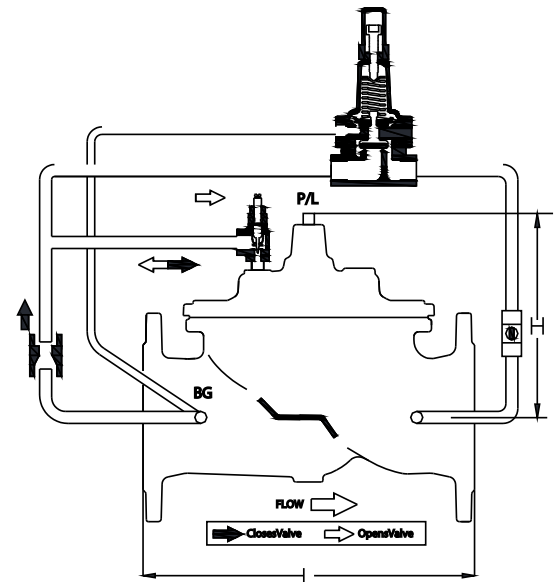
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## DIMENSIONS (mm)

Sizes		L	H
DN	inch		
50	2"	230	139
65	2 ½"	290	159
80	3"	310	179
100	4"	350	214
125	5"	400	275
150	6"	480	333
200	8"	600	407
250	10"	730	476
300	12"	850	526
350	14"	980	580
400	16"	1100	624
450	18"	1200	624
500	20"	1250	720
600	24"	1450	835

\*Note: Dimensions above are just for reference and subject to the final products. Changes are made without prior notice, please confirm with us if needed.



## Flow Chart of Fully opened Main Valve

