

Multiple pressure limiting valve type MV..

Pressure p_{max} = 500 bar
 Flow Q_{max} = 60 lpm

1. General

Construction the same as of pressure limiting valves described in Pamphlet 7000/1. Except for the design of the housing body, it has the same parts as basic type MV4, 5 and 6. All characteristic data can be taken from section 3 and 4 of D 7000/1 for standardized design. There is only a tool adjustable pressure adjustment available, which can be reset after loosening the lock nut.

2. Types available, main data

Example:

MV 53 4 C 250 - E 120 - E 120 - F 60

Table 1: Basic type size and connecting code number

Coding		Ports 1) DIN ISO 228/1		Flow Q_{max} approx. (lpm)	
		P	R		
MV	4	1	G 1/4	G 3/8	20
		2	G 3/8	G 3/8	
	5	2	G 3/8	G 1/2	40
		3	G 1/2	G 1/2	
	6	3	G 1/2	G 3/4	60
		4	G 3/4	G 3/4	

Table 2: Number of valves

Coding	Version	Symbol
2	Double valve	
3	Triple valve	
4	Quadruple valve	
5	Quintuple valve	

Mass (weight)

MV 41(42):	2 valves = 0.8 kg	MV 52(53):	2 valves = 1.4 kg	MV 63(64):	2 valves = 2.7 kg
	3 valves = 1.1 kg		3 valves = 1.7 kg		3 valves = 3.5 kg
	4 valves = 1.3 kg		4 valves = 2.2 kg		4 valves = 4.4 kg
	5 valves = 1.6 kg		5 valves = 2.6 kg		5 valves = 5.3 kg

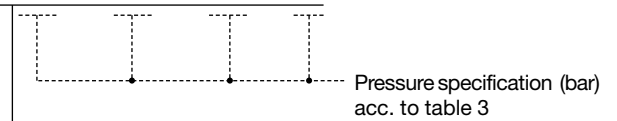


Table 3: Pressure range 2)

Basic type	Pressure range 2) from ... to (bar)			
	B ...	C ...	E ...	F ...
MV 41 MV 42	270 to 500	150 to 315	30 to 160	30 to 80
MV 52 MV 53	180 to 500	150 to 315	50 to 160	30 to 80
MV 63 MV 64	130 to 500	80 to 315	40 to 160	20 to 80

1) P = Pump (pressure side)
 R = Return (pressure resistant)
 The pressure at R adds to the set value).
 For mountable pipe diameter (pipes acc. to
 DIN 2391) and pipe fittings DIN 2353 (BSPP),
 see sect. 3.

2) The sequence of the pressure specification
 (order coding) determines the pressure setting
 of the individual valve sections. The setting is
 stamped below the respective pressure valve
 section whereas the basic coding (e.g.
 MV 534) is stamped some where else.

