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

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

Pressure specification (bar) acc. to table 3

Table 3: Pressure range 2)

Table 1: Basic type size and connecting code number -

Coding			Ports ¹ DIN ISC P	,	Flow Q _{max} approx. (lpm)					
	4	1	G 1/4	G 3/8	20					
	_	2	G 3/8	G 3/8	20					
MV	5	2	G 3/8	G 1/2	40					
IVIV	3	3	G 1/2	G 1/2	40					
	6	3	G 1/2	G 3/4	60					
	0	4	G 3/4	G 3/4	60					

Basic type	Pressure range ²) from to (bar)									
	В	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						

Table 2: Number of valves

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

- 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.

MV 52(53): 2 valves = 1.4 kg Mass (weight) MV 41(42): 2 valves = 0.8 kgMV 63(64): 2 valves = 2.7 kg3 valves = 1.1 kg3 valves = 1.7 kg3 valves = 3.5 kg4 valves = 1.3 kg4 valves = 2.2 kg4 valves = 4.4 kg5 valves = 1.6 kg5 valves = 2.6 kg5 valves = 5.3 kg

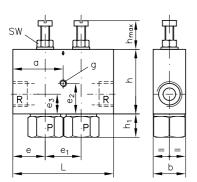


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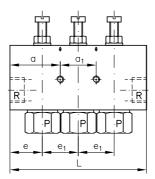
3. Dimensions of units

All dimensions are in mm, subject to change without notice!

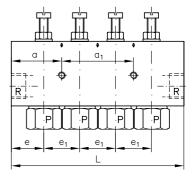




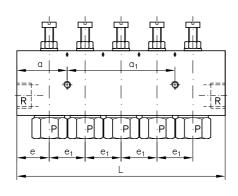




Quadruple valve



Quintuple valve



Type	Leng	th L	Dist	ance a	a 1		Pressure adjustment						
	No. c	of valve	No.	of val	ves		Δp / rev.						
	2	3	4	5	2	2 3 4 5				С	E	F	
MV 4	76	102	128	154		26	52	73	100	55	19	9.5	
MV 5	92	124	156	188		32	64	96	65	51	17	9	
MV 6	108	146	184	222		38	76	114	80	35	17.5	8	

Type											
MV 4											
MV 5											
MV 6	54	40	35	38	40	23	M 10	80	28	27	13

¹⁾ The mounting is led through

4. Pipe connection

Pipe connections DIN 2353 (BSPP) using the example of male fittings by Parker-ERMETO, external dia. for pipes conforming DIN 2391.

Fitting	Pipe-Ø _△	Fitting	Tapped		Por	ts P			Ports R							
-	(mm)	EO-coding	journal	Bas	ic and	port	size N	1V		Basic and port size MV						
			(BSPP)	41	42	52	53	63	64	41	42	52	53	63	64	
	6	GE 6-PSR	G 1/4 A	•						•						
		GE 8-PSR	G 1/4 A	•						•						
	8	GE 8-PSR / R 3/8	G 3/8 A		•	•					•	•				
Haara.	10	GE 10-PSR	G 3/8 A		•	•					•	•				
Heavy series	10	GE 10-PSR / R 1/2	G 1/2 A				•	•					•	•		
301103	12	GE 12-PSR	G 3/8 A			•					•	•				
	12	GE 12-PSR / R 1/2	G 1/2 A				•	•					•	•		
	14	GE 14-PSR	G 1/2 A				•	•					•	•		
	16	GE 16-PSR	G 1/2 A					•					•	•		
	16	GE 16-PSR / R 3/4	G 3/4 A						•						•	
	20	GE 20-PSR	G 3/4 A												•	
	6	GE 6-PLR / R 1/4	G 1/4 A	•						•						
		GE 8-PLR	G 1/4 A	•						•						
	8	GE 8-PLR / R 3/8	G 3/8 A		•	•					•	•				
	10	GE 10-PLR	G 1/4 A	•						•						
Light	10	GE 10-PLR / R 3/8	G 3/8 A		•	•					•	•				
series	12	GE 12-PLR	G 3/8 A		•	•					•	•				
	12	GE 12-PLR / R 1/2	G 1/2 A				•	•					•	•		
	15	GE 15-PLR	G 1/2 A				•	•					•	•		
	13	GE 15-PLR / R 3/4	G 3/4 A						•						•	
	18	GE 18-PLR	G 1/2 A					•					•	•		
	10	GE 18-PLR / R 3/4	G 3/4 A						•						•	
	22	GE 22-PLR	G 3/4 A												•	
	28	GE 28-PLR / R 3/4	G 3/4 A												•	