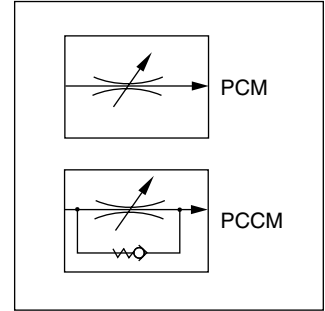


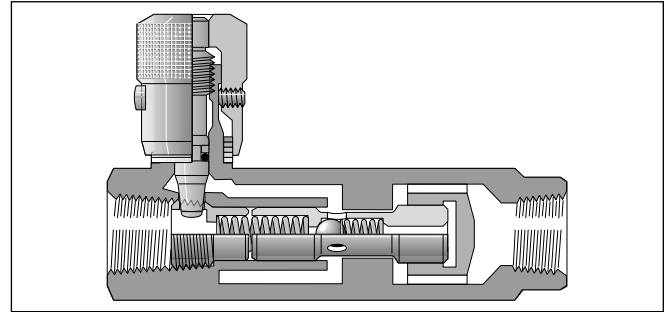
Characteristics / Ordering Code

Manatrol 2 way flow control valves for pressure compensated regulation of the flow rate. As a consequence of pressure changes, the set value can vary by $\pm 5\%$ within the tolerance range. Viscosity changes have the same effect and must be observed.



Technical data

Size	Max. press. [bar]	Flow control		Check valve		Weight [kg]
		Q* [l/min]	Δp [bar]	Q _{max} [l/min]	Δp [bar]	
400	210	1 - 10	7	20	3	0.82
600	210	2 - 25	7	30	3	1.05
800	210	6 - 60	11	75	8	1.68
1200	210	10 - 100	11	130	8	3.64
1600	210	19 - 190	11	250	10	6.59



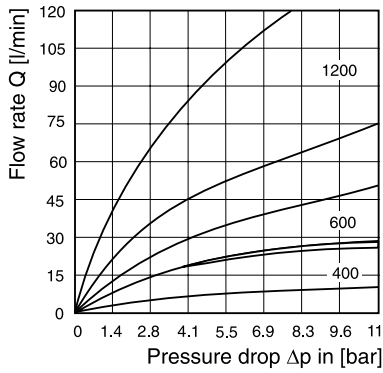
Ordering code

<input type="checkbox"/>	PC	<input type="checkbox"/>	M	<input type="checkbox"/>	S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thread type	Press. comp. flow control valve	Design		Thread size	Steel body	Clamping screw	Seal	Design series (not required for ordering)
Code	Thread						Code	Seal
omit	NPTF						omit	NBR
9	BSP						V	FPM
Code	Design						Code	Clamping screw
omit	Without check valve						omit	Hexagon socket
C	With check valve						F	With knurled knob
							T ¹⁾	Tamper-proof
Code	Size							
400	1/4							
600	3/8							
800	1/2							
1200	3/4							
1600	1							

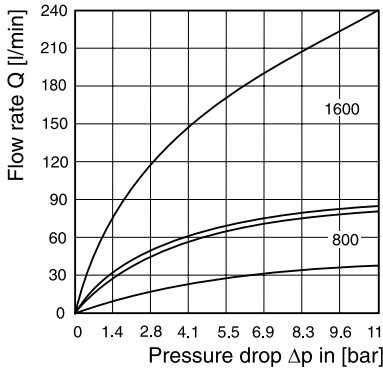
Bold letters =
Short-term availability

* Min. and max. flow rate
1) Only for size 400 to 1200

Δp/Q curves

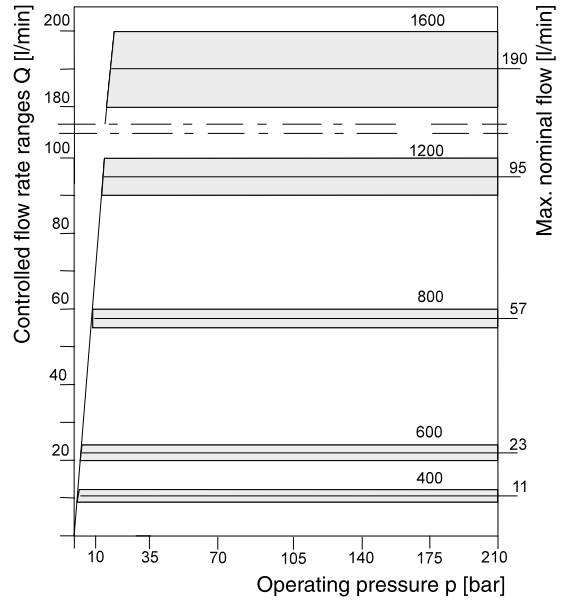


Sizes 400, 600 and 1200:
 Pressure drop Δp for flow through check valve in range Q_{max} / Q_{min} with each size



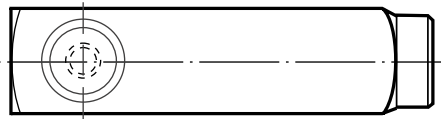
Sizes 800 and 1600:
 Pressure drop Δp for flow through check valve in range Q_{max} / Q_{min} with each size

Size 400 - 1600 p/Q control characteristic

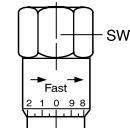
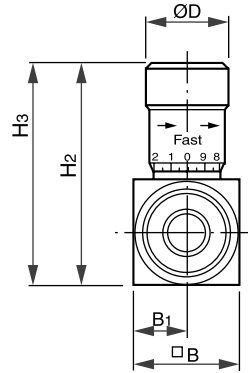
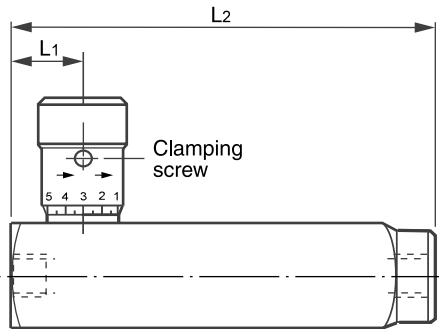


All characteristic curves measured with HLP46 at 50 °C.

Dimensions

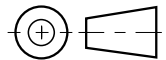


← Direction for controlled flow



Hexagon adjusting knob, standard for size 1600

H2 = closed
 H3 = open



Size	R*	H3	H2	B	L1	B1	L2	ØD	SW
400	¼	69	64	35	16	18	92	21	-
600	⅜	80	74	38	18	19	106	25	-
800	½	103	95	44	22	22	125	30	-
1200	¾	128	116	57	28	29	149	35	-
1600	1	175	158	70	33	35	176	-	47.8

* Pipe thread G or NPTF

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