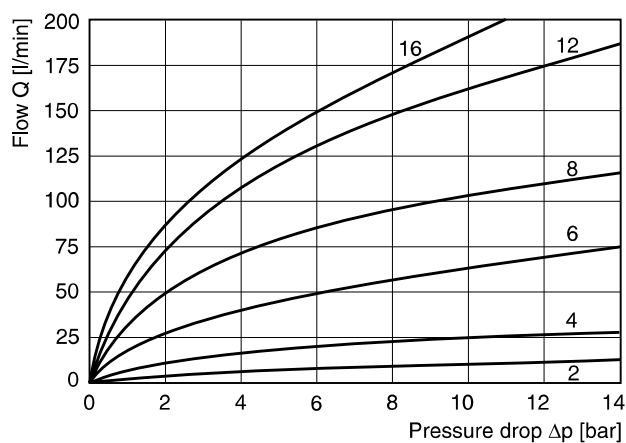


Technical data

Size	Max. pressure [bar]		Flow [l/min] Δp 10 bar	Max. cross.sect. [cm²] Δp 10 bar	Kv factor valve open	Weight [kg]
	steel	brass				
200	350	140	11	0.07	3.5	0.13
400	350	140	25	0.14	6.3	0.31
600	350	140	65	0.37	18.5	0.54
800	350	140	105	0.55	27.5	0.95
1200	350	—	160	0.90	45.7	1.58
1600	210	—	190	1.10	54.6	1.9
Size and needle type						
200-2			7			
200-3			2			
400-2			11			

Δp/Q curves



All characteristic curves measured with HLP46 at 50 °C.

$$\text{Flow rate } Q \text{ [l/min]} = K_v \cdot \sqrt{\frac{\Delta p}{\gamma}}$$

K_v from the table
 Δp [bar]
 γ [kg/dm³] = specific weight of the medium
 $(\gamma \text{ for mineral oil} = 0.85 - 0.9)$