

Throttle Check Valve NG 10 ISO 4401 Technical Data Sheet



Technical Data

General

Type of valve	gap throttle
Mounting method	sandwich plate
Port connection	manifold
Mounting position	mountable in any position
Mass valve	2.15 kg

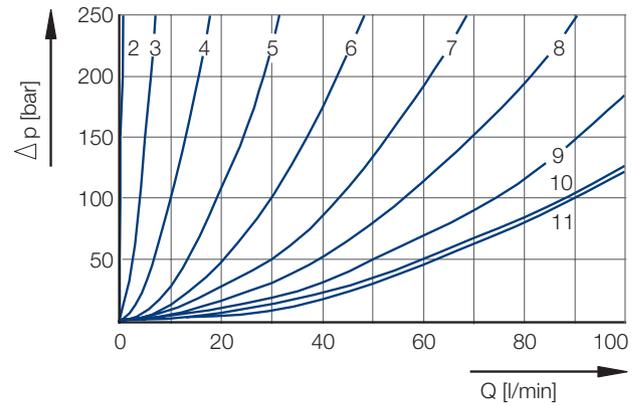
Hydraulic

Operation pressure	max. 350 bar
Flow	max. 100 l/min
Hydraulic oil temperature	-30 to +100 °C (NBR)
Hydraulic oil temperature	-20 to +120 °C (FPM)
Viscosity range	20 to 400 mm ² /s

Features

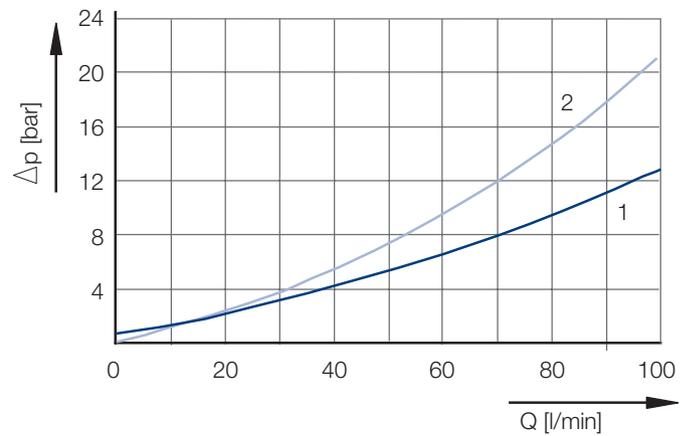
- Connection according to ISO 4401, DIN 24340 (CETOP 05)
- Outlet or inlet throttling control
- Adjustable by allen key, with protective cap
- Standard design with phosphate coated housing and galvanized steel

Characteristic Curve, Throttle Valve



curves 2 to 11, throttle setting in revolutions,
hydraulic oil, kinematic viscosity 32 mm²/s

Characteristic Curve, Check Valve

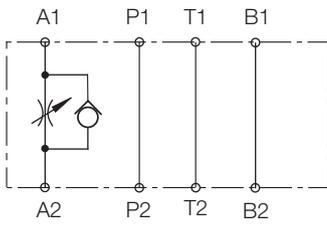


throttle opened ———

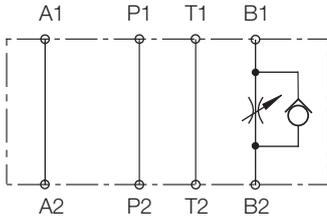
throttle closed ———

hydraulic oil, kinematic viscosity 32 mm²/s

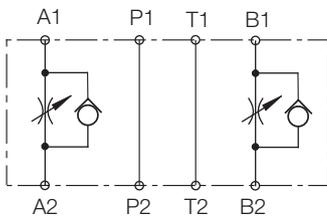
Symbol



secondary control/outlet throttling single, A1



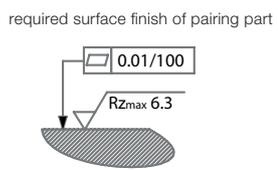
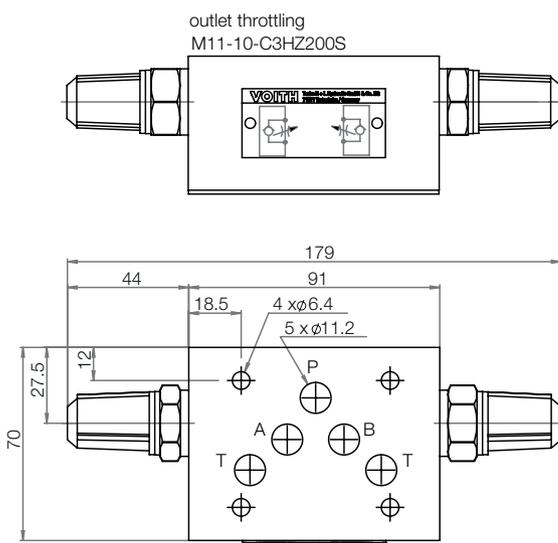
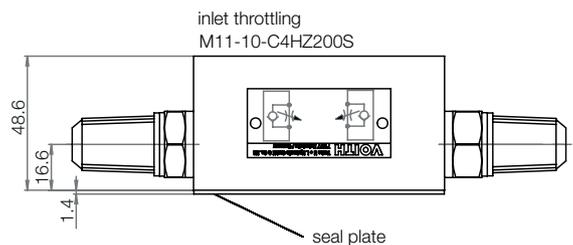
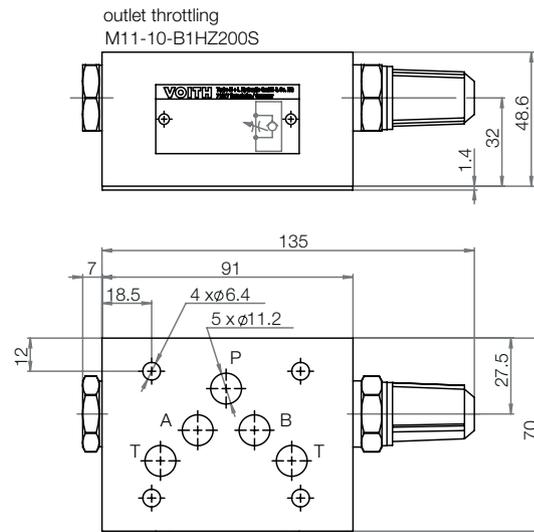
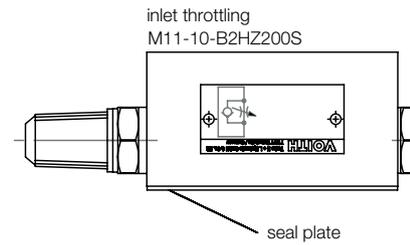
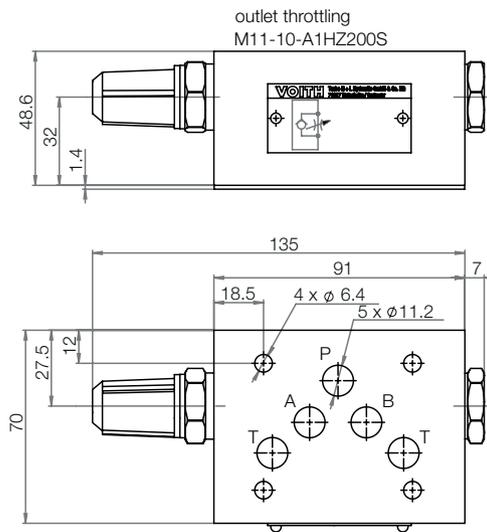
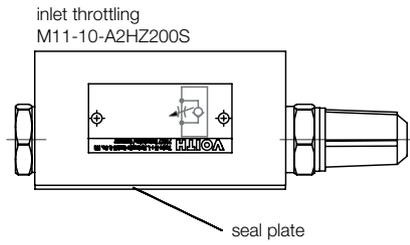
secondary control/outlet throttling single, B1



secondary control/outlet throttling double, C3

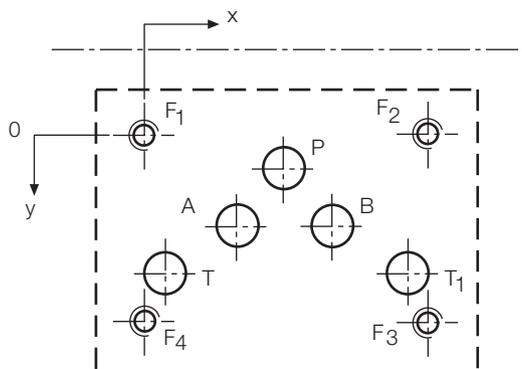
Attention! The separate O-ring plate with fitted O-rings provides sealing of the valve connecting surface. According to the valve arrangement, the primary flow or secondary flow is provided. Changing the primary flow mode into the secondary flow mode can be done by turning the valve by 180° around its horizontal axis. The orientation of the throttle check valves in the valve body corresponds with the symbols shown on the name plate.

Dimensional Drawing



dimensions in mm

Port Connection Pattern NG 10 ISO 4401



dimensions in mm

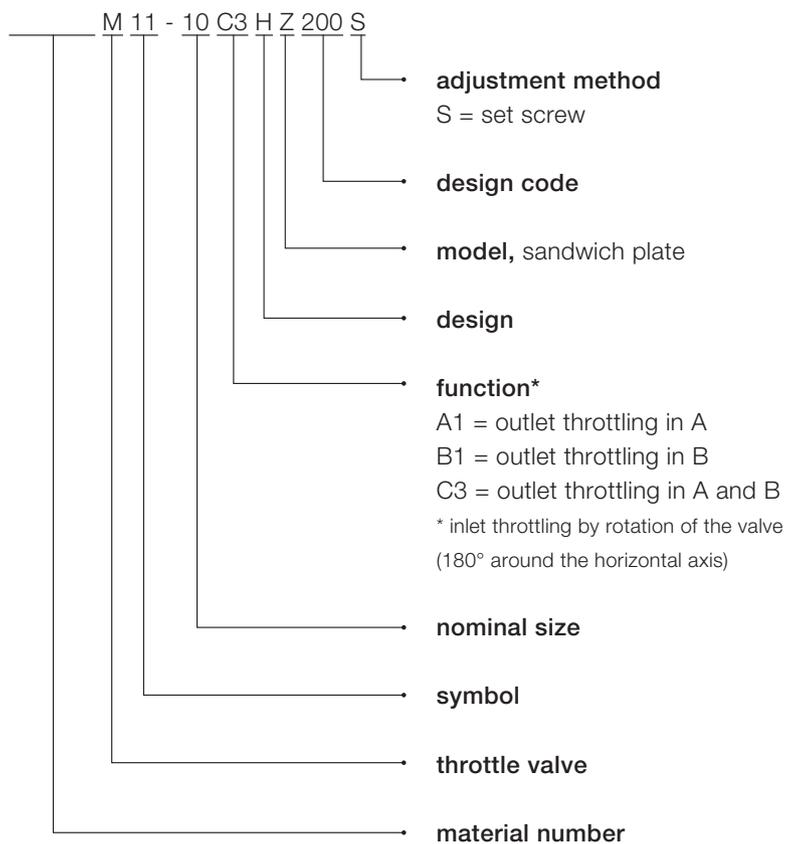
F: M5, thread depth min. 1.5 x Ø

Various single and multiple mounting plates are available.

view: fastening side of mounting plate

	P	A	T	T1	B	F1	F2	F3	F4
Ø max [mm]	11.2	11.2	11.2	11.2	11.2	M6	M6	M6	M6
x [mm]	27	16.7	3.2	50.8	37.3	0	54	54	0
y [mm]	6.3	21.4	32.5	32.5	21.4	0	0	46	46

Type Code



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