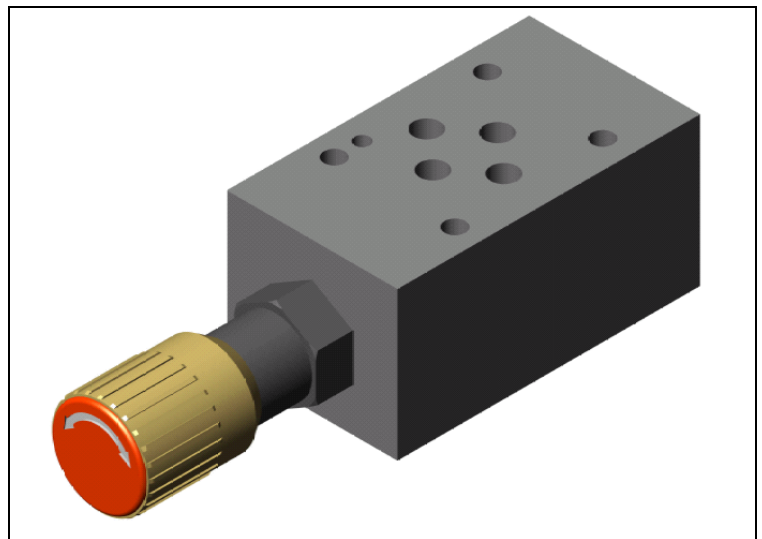
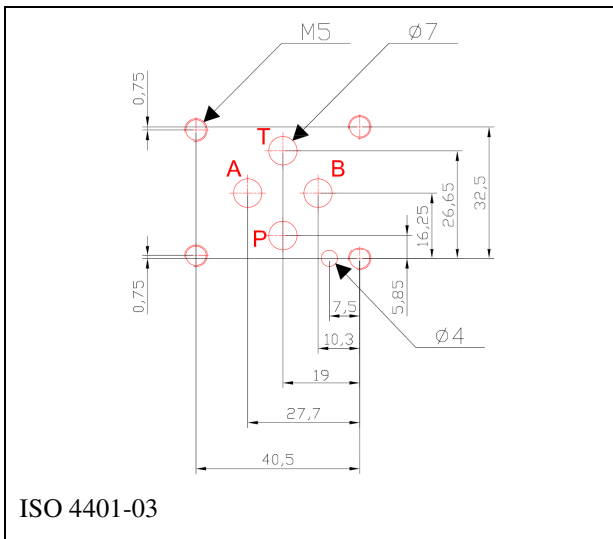


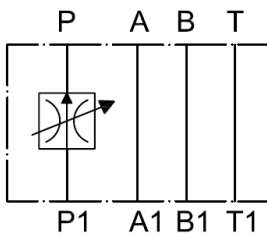
Stackable valves CETOP 03

pressure compensated, adjustable flow control valves

type AM3-QV-P/34



2 FUNCTIONAL SYMBOLS



1 HOW TO READ THE MODEL CODE FOR VALVES AM3-QV-P/34

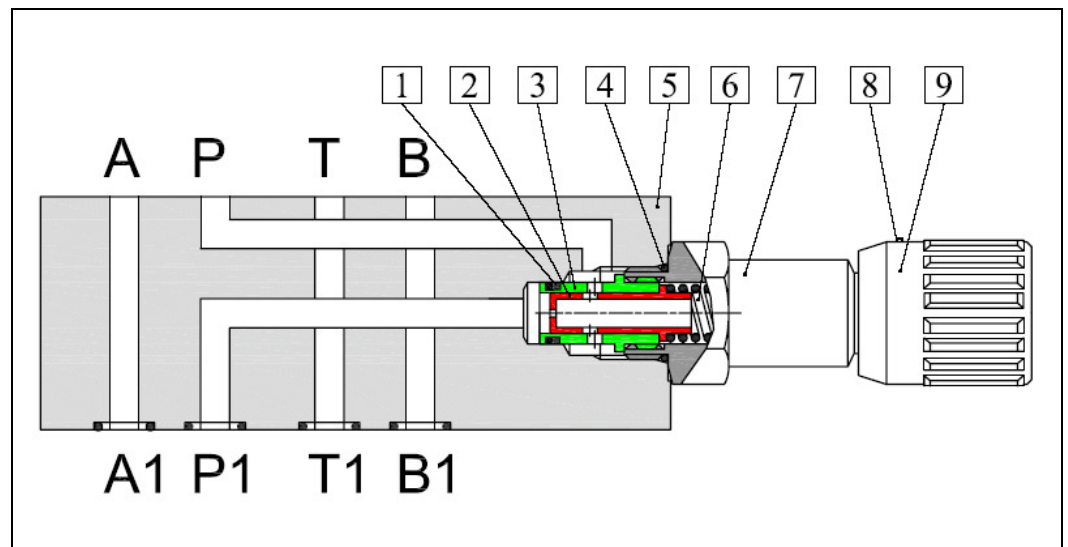
AM3	-	QV	-	P	-	*	/	34
①		②		③		④		⑤

- ① **AM3** : Stackable valve CETOP 03
- ② **QV** : Pressure compensated, adjustable flow control
- ③ **P** : Line where the control operates (see functional symbols 2)
- ④ ***** : Code reserved for special variants
- ⑤ **34** : Cavity for cartridge valves is 3/4" 16 UNF

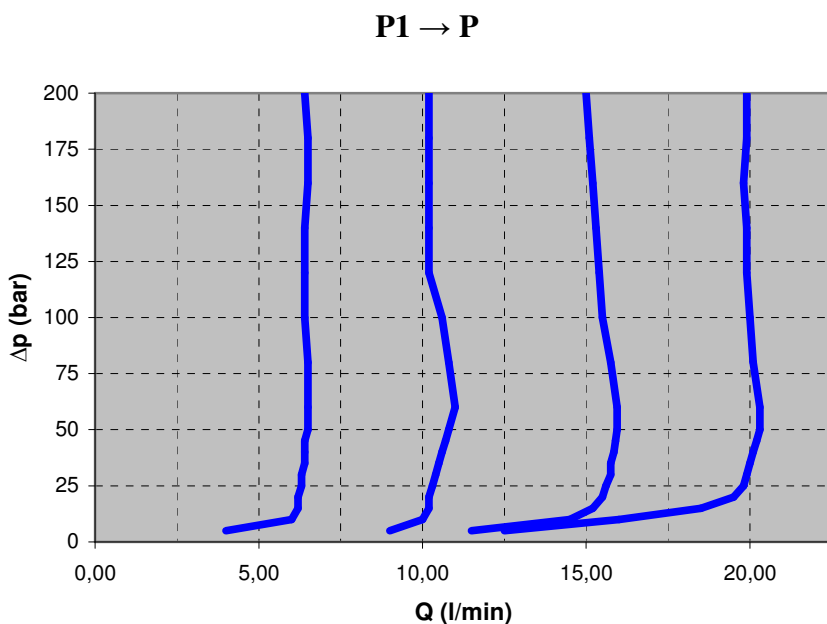
3 DESCRIPTION

Fluid flows freely in A, B and T lines.

P1→P : fluid flows through orifice of throttle 2. When pressure difference between P1 and P increases, throttle 2 moves against spring 6 and reduces the area of the lateral orifices, thus keeping flow rate constant at the requested value.



4 TYPICAL DIAGRAMS (measured at $v = 36$ cSt and 50°C)



6 DATA AND OPERATING LIMITS

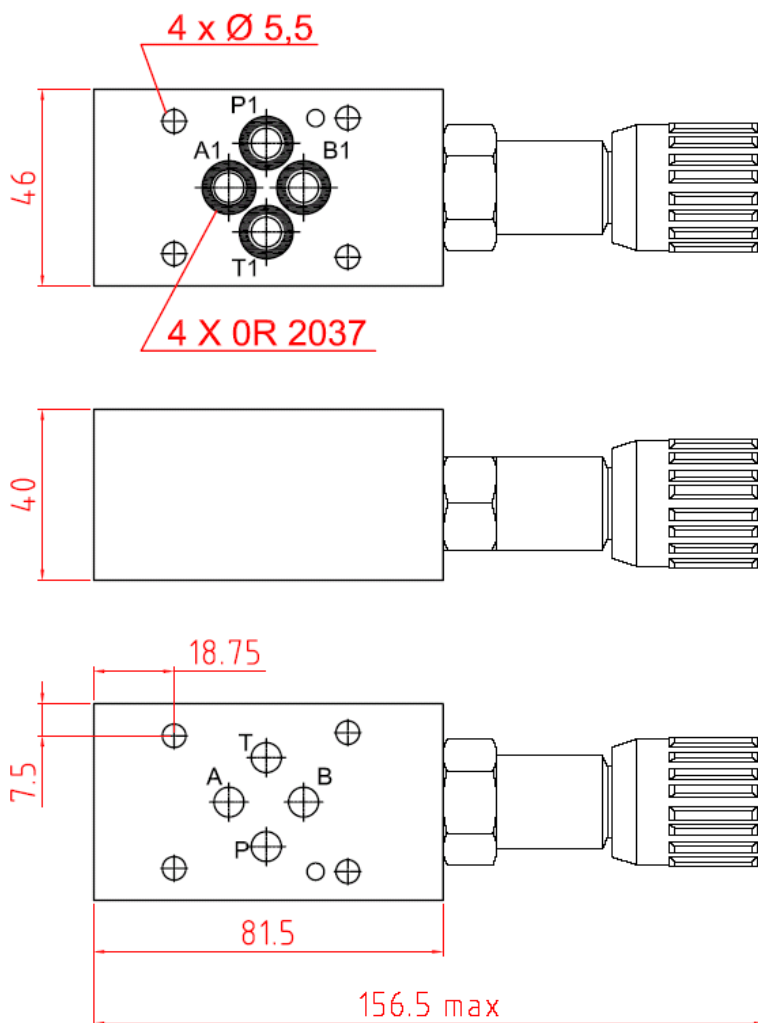
Maximum nominal pressure 25 MPa (250 bar)

Maximum rec. flow rate on P line 20 l/min

7 ADJUSTMENT OF THE REGULATED FLOW

To increase flow rate on P line turn clockwise the graduated knob **9**, after having unlocked its locking screw **8**.

5 INSTALLATION DIMENSIONS (all dimensions are mm)



8 INSTALLATION

All stackable valves AM3-* conform with ISO and CETOP specifications for mounting surface dimensions and for valves height (40mm). Leakage between valve and mounting surface is prevented by the positive compression on their seats of 4 seals of OR type.

9 HYDRAULIC FLUIDS

Seals and materials used on standard valves AM3-* are fully compatible with hydraulic fluids of mineral oil base, upgraded with antifoaming and antioxidantizing agents. The hydraulic fluid must be kept clean and filtered to ISO 4406 class 19/17/14, or better, and used in a recommended viscosity range from 10 cSt to 60 cSt.