QC33... 3 WAY COMPENSATED FLOW RATE REGULATORS



This regulator type can be used whenever it is necessary to obtain a constant fluid flow irrespective of the pressure variations present upstream or downstream. It is fitted with a third T line for discharging any excessive flow rate.

When the reverse flow check valve is needed, the check valve holder type "AM3ABU3..."can be fitted underneath the valve. (The check valve holder must be ordered separately see next page).

Max. operating pressure	320 bar
Opening pressure (with bypass)	1 bar
Min. regulated flow rate (Q1 version)	0.03 ÷ 0.05 l/min
Nominal regulated flow rate	1 ÷ 22 l/min
Difference in pressure (Δp) for vers. Q1	3 bar
Difference in pressure (Δp) Q2-Q3-Q4-Q5-Q6	8 bar
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm²/s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level(*)	class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$
Dependency on temperature (Q1 vers.)	5%
Dependency on temperature (Q2 vers.)	3%
Dependency on temperature (Q3-Q4-Q5)	2%
Weight	1,5 Kg

(*) Max contamination level must be respect to obtain the right function of the valve

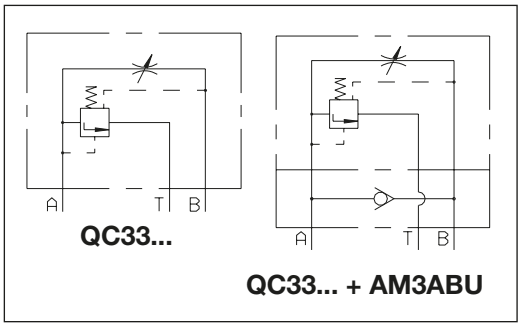
QC33...	
OVERALL DIMENSIONS	SECT. C 4
AM3ABU...	SECT. C 4

C

ORDERING CODE

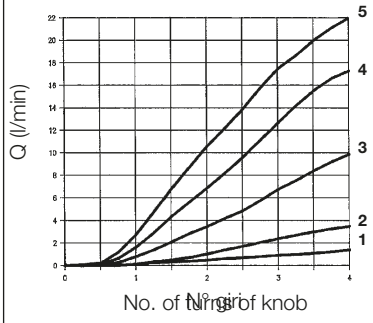
QC	Compensated flow rate regulator
3	CETOP 3/NG6
3	3 way
******	Flow rate ranges **Q1** = 1 l/min **Q2** = 3 l/min **Q3** = 9 l/min **Q4** = 17 l/min **Q5** = 24 l/min
K	Version with lock (omit if not required)
*****	**1** = 1 turn version **4** = 4 turns version
******	**00** = No variant **V1** = FKM
3	Serial No.

HYDRAULIC SYMBOLS

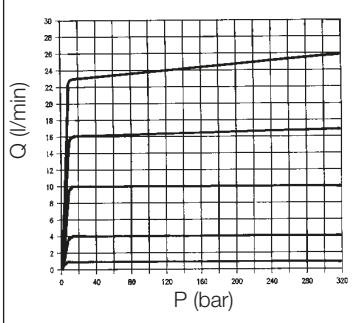


DIAGRAMS

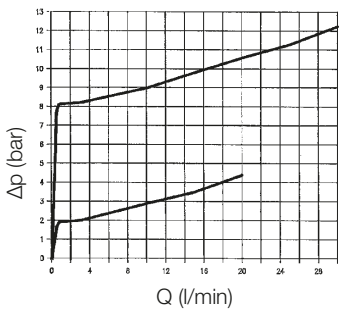
REGULATED FLOW RATE



FLOW RATE - PRESSURE DROP

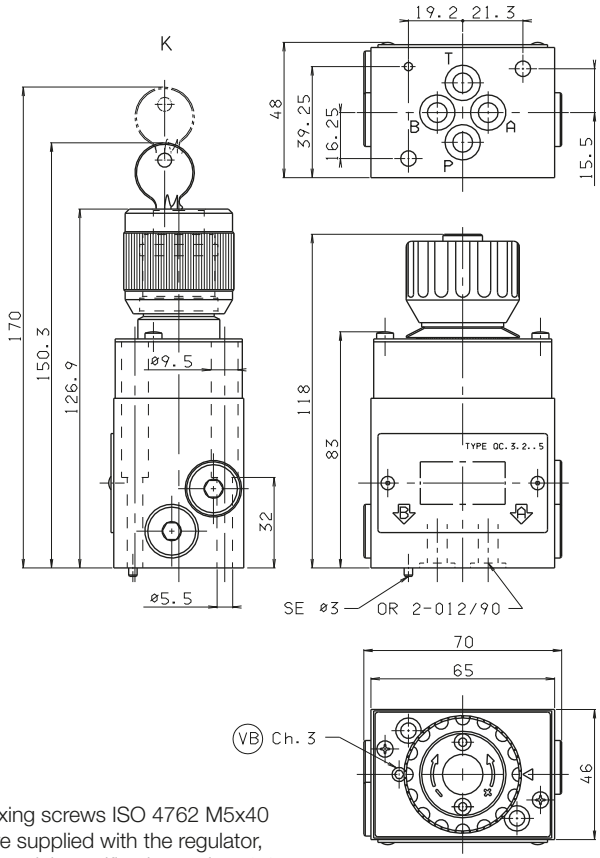


Δp - PUMP FLOW RATE



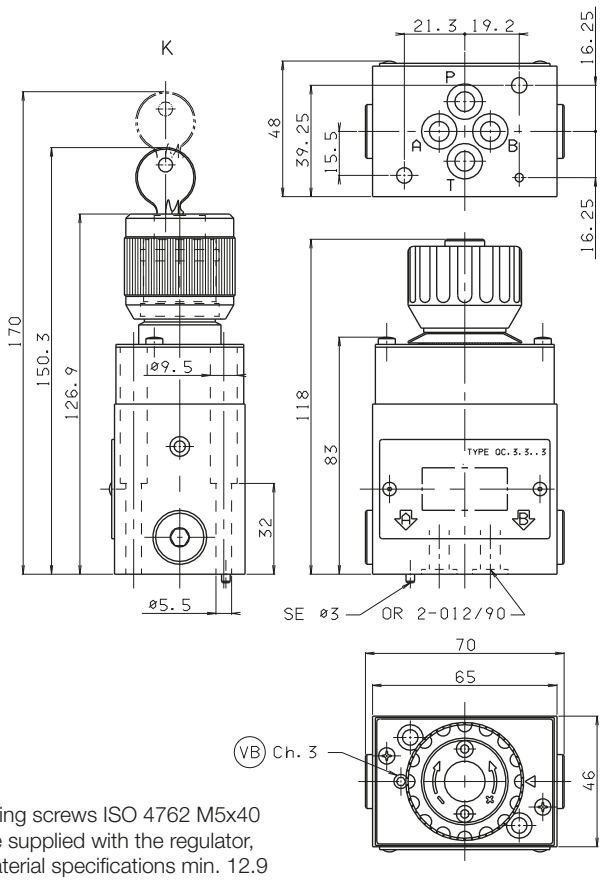
C

QC32... 2 WAY FLOW RATE REGULATOR

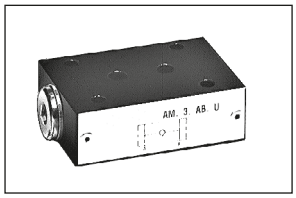


Fixing screws ISO 4762 M5x40
are supplied with the regulator,
material specifications min. 12.9
Tightening torque 6.5÷7 Nm / 0.65÷0.70 Kgm

QC33... 3 WAY FLOW RATE REGULATOR



Fixing screws ISO 4762 M5x40
are supplied with the regulator,
material specifications min. 12.9
Tightening torque 6.5÷7 Nm / 0.65÷0.70 Kgm

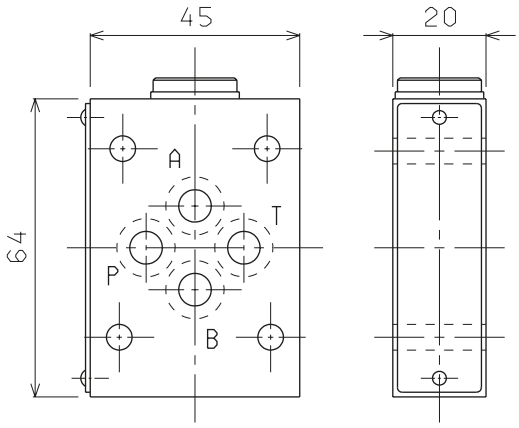


AM3ABU... CHECK VALVE HOLDER FOR REGULATORS TYPE QC3...

This check valve holder must be fitted underneath the QC valve when he reverse flow function is needed.

ORDERING CODE

AM	Modulating valve
3	CETOP 3/NG06
ABU	External check valve for QC3*.
3	For 2 way and 3 way
00	No variant
1	Serial No.



Weight: 0,4 Kg
Fixing screws for regulator and modular check valve M5x60 ISO 4762 - 12.9 K