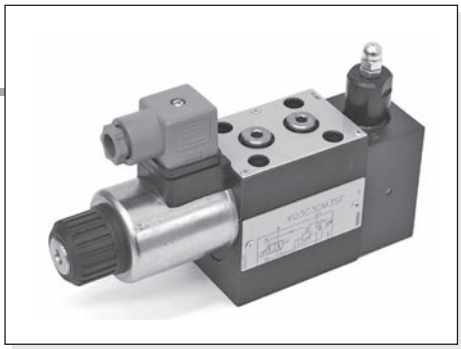


XQ3... Proportional flow control valves pressure compensated CETOP 3

This is a proportional valve where both the flow rate and pressure control flow functions have been integrated according to the 3 way regulation concept.

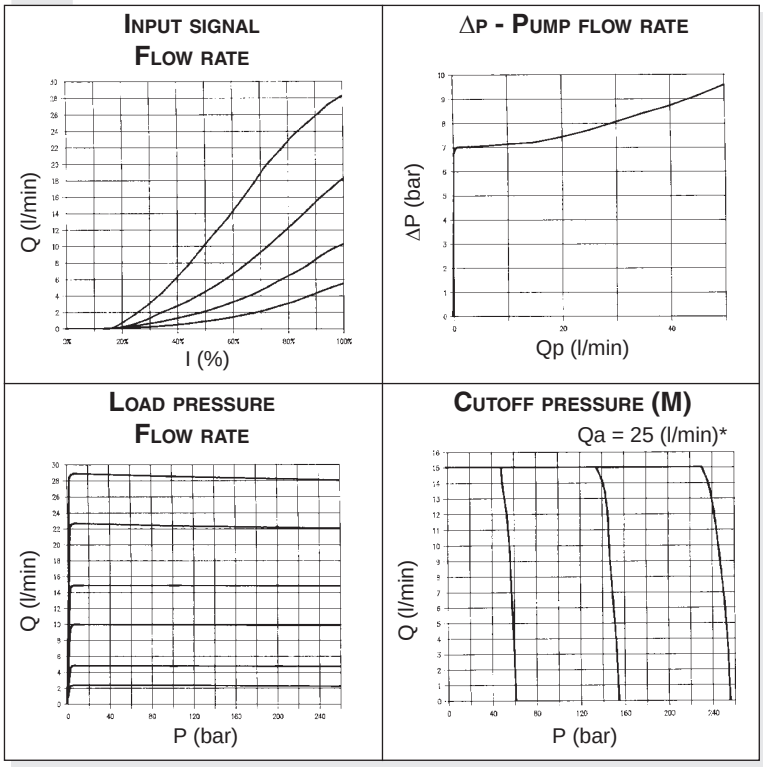
The interface UNI ISO 4401 - 03 - 02 - 0 - 94 standard (ex CETOP R 35 H 4.2-4-03) allows for direct mounting on modular block or multiple sub-bases, which makes possible many advantageous and extremely compact application solution as a consequence of their simplicity of installation.

The 3 way type pressure compensator, inserted into the valve, holds the pressure drop across the flow rate proportional regulator constant (approx. 8 bar) independently from the controlled load variations, whereby ensuring proportional between the set flow rate and the electrical command signal.

Additionally, the system maximum safety pressure can be regulated through a manual command. This valve, if mounted on the feed line to the manifold block, can be used to control several circuits which are not operating at the same time.

XQ3...	
Standard connectors	Cap. I • 20
"D15P" Proport. solenoids	Cap. VIII • 15
REMSRA...	Cap. IX • 4
BC308. / BC309. / BC06XQ3.	Cap. VII • 13

Diagrams



The fluid used is a mineral based oil with a viscosity of 46 mm²/s at 40°C. The tests have been carried out at with a fluid of a 40°C.

(*) Tested with 25 l/min supply

Ordering code

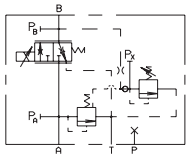
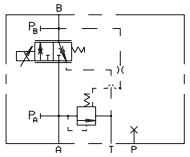
XQ	Proportional flow control valve
3	No. of way
C	Pressure compensation
3	CETOP 3/NG6
*	Flow rates **F** = 5 l/min **G** = 10 l/min **H** = 16 l/min **I** = 28 l/min
*	**M** = With manual pressure limiter **S** = Without manual pressure limiter
*	Setting ranges **1** = 8 ÷ 50 bar **2** = 25 ÷ 170 bar **3** = 50 ÷ 315 bar Omit for **XQ3C*S** version
*	**E** = With rotary emergency (type **P2**) **S** = Without rotary emergency
*	Voltage **E** = 9VDC (2,35 A) **F** = 12VDC (1.76 A) **G** = 24VDC (0.88 A)
**	Variant (*):
2	Serial No.

Tab.1 - Variants (*)

No variant (without connectors)	S1
Viton	SV
Emergency lever	L5
Rotary emergency180°	R5

(*) All variants are considered without connectors.
The connectors must be order separately.
See Cap. I • 20.

Table 1 - Flow / pressure specifications

Model	Hydraulic symbol	Max flow rate (l/min)	Max flow in P (l/min)	Max limiter pressure (bar)	Max load pressure (bar)	Δp Control (bar)
XQ3C3*M		5 10 16 28	40	8÷50 25÷170 50÷315	250	8
XQ3C3*S		5 10 16 28	40		250	8