

Распределители ARON СЕТОР 3 / NG06 XQP.3

Технические характеристики

Архангельск (8182)63-90-72	Ижевск (3412)26-03-58	Магнитогорск (3519)55-03-13	Пермь (342)205-81-47	Сургут (3462)77-98-35
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Иваново (4932)77-34-06	Киргизия (996)312-96-26-47	Казахстан (772)734-952-31	Таджикистан (992)427-82-92-69	

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XQP.3...

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ORDERING CODE

XQP

Open loop 2/3 way
proportional compensated
flow regulator

3

CETOP 3/NG6

C

2/3 way compensation
with priority function

3

3 way version (standard)
For to obtain 2-way version the P line
must be closed on the subplate

Nominal flow rates

F = 6 l/min

G = 12 l/min

H = 22 l/min

I = 32 l/min

L = 40 l/min

S = without decompression

D = with decompression

Max. current to solenoid

E = 2.35 A

F = 1.76 A

G = 0.88 A

00 = No variant

P1 = Rotary emergency

P5 = Rotary emergency 180°

V1 = Viton

2

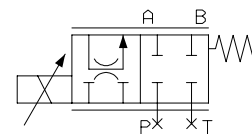
Serial No.

XQP.3... OPEN LOOP 2/3 WAY PROPORTIONAL PRESSURE COMPENSATED FLOW REGULATORS

The open loop proportional flow regulator is 2 and 3 way compensated with priority function. It is designed to regulate flow in proportion to an applied electrical current (REM or SE3AN power amplifier). Flow regulation is load independent - B port. Load compensation is achieved by a spool compensator which holds the pressure drop constant across the proportional spool.

Valves are available in the following versions (see hydraulic symbol):

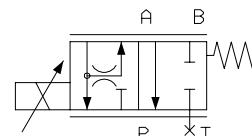
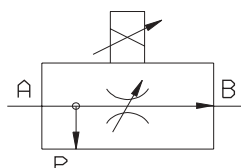
- 2 way pressure compensated - 3 way pressure compensated with priority function.
- 3 way pressure compensated with priority and venting function.



- In order to obtain the 2 way pressure compensated version the cavities P and T have be closed on the subplate.

HYDRAULIC SYMBOLS

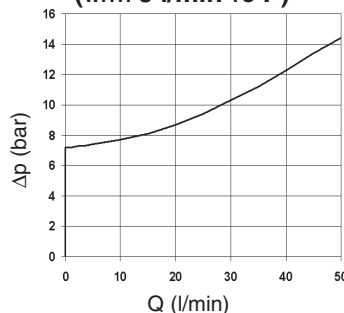
SIMPLIFIED TYPE



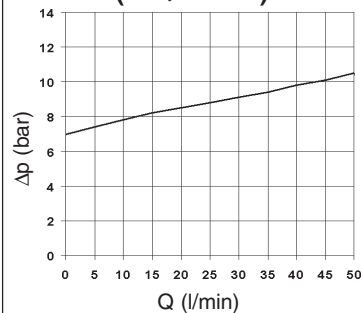
- In order to obtain the 3 way pressure compensated version the cavity T have be closed on the subplate.

DIAGRAMS

**ΔP - FLOW RATE A → B
(WITH 5 l/min TO P)**

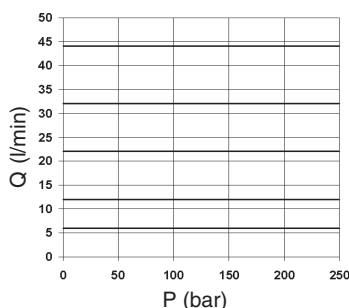


**ΔP - SECONDARY LINE FLOW
(A → P FREE)**



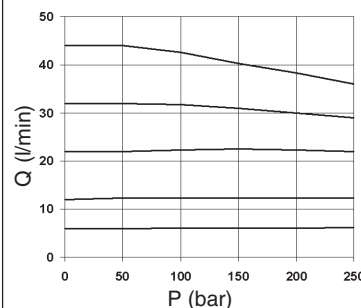
FLOW RATE

BACK PRESSURE ON PRIORITY LINE

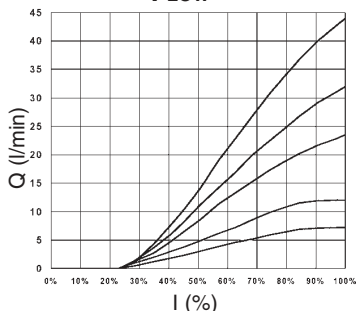


FLOW RATE

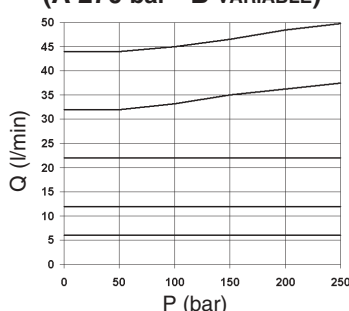
BACK PRESSURE ON SECONDARY LINE



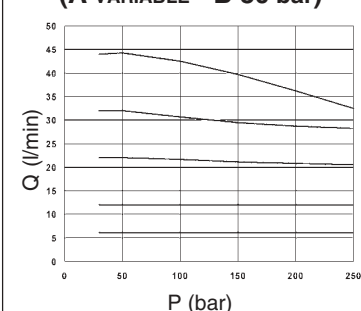
**INPUT SIGNAL
FLOW**



**2 WAY COMPENSATION
(A 270 bar - B VARIABLE)**



**2 WAY COMPENSATION
(A VARIABLE - B 30 bar)**



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.

XQP.3... OPEN LOOP 2/3 WAY PROPORTIONAL PRESSURE COMPENSATED FLOW REGULATORS

OPERATING SPECIFICATIONS

Max. operat. pressure ports A/B /P see note (*)	With T port blocked on subplate	250 bar
Regulated flow rate		6 / 12 / 22 / 32 / 40 l/min
Decompression drain flow		max 0,7 l/min
Relative duty cycle		Continuous 100% ED
Type of protection (in relation to the connector used)		IP 65
Flow rate gain	See diagram "Input signal flow"	
Fluid viscosity		10 ÷ 500 mm ² /s
Fluid temperature		-20°C ÷ 75°C
Ambient temperature		-20°C ÷ 70°C
Max. contamination level	from class 7 to 9 in accordance with NAS 1638 with filter $\beta_{10} \geq 75$	
Weight		1,7 Kg

Max. current	2.33A	1.76 A	0.88 A
Solenoid coil resistance at 25°C (77°F)	2.25 Ohm	4.0 Ohm	16.0 Ohm
Hysteresis with Δp 7 bar	≤5%	<5%	<8%
Response to step Δp = 7 bar			
0 ÷ 100%	32 ms	40 ms	85 ms
100% ÷ 0	33 ms	33 ms	33 ms
Frequency response -3db (Input signal 50% ± 25% Vmax.)	22Hz	22Hz	12Hz

(*) Pressure dynamic allowed for 2 millions of cycles

Operating specifications are valid for fluids with 46 mm²/s viscosity at 40°C, using specified ARON electronic control units.

Performance data are carried out using the specified Aron power amplifier SE.3.AN...

AMPLIFIER UNIT AND CONTROL

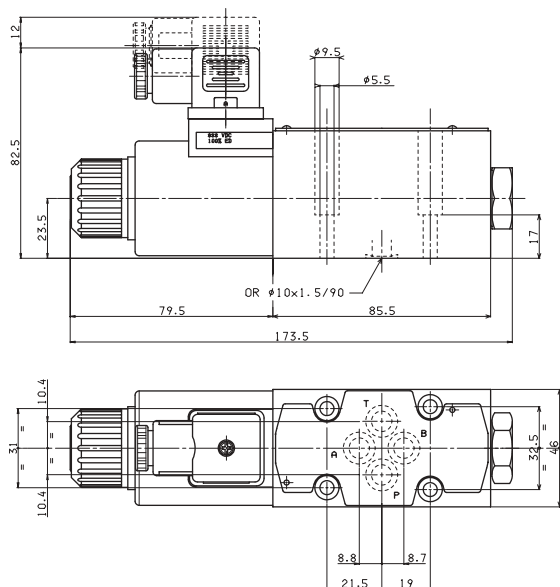
REM.S.RA.*.*...

Electronic card for control single proportional solenoid valve

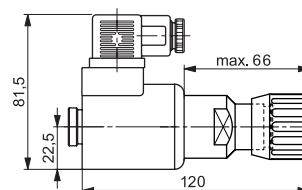
SE.3.AN.21.00...

Electronic card format EUROCARD for control single proportional solenoid valve

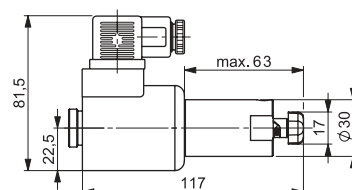
OVERALL DIMENSIONS



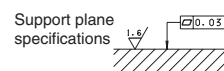
Fixing screws UNI 5931 M5x25
(min. 8.8 material screws are recommended)
Tightening torque 4 ÷ 5 Nm / 0.4 ÷ 0.5 Kgm



P1 Rotary emergency



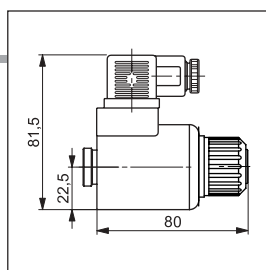
P5 Rotary emergency 180°



"D15P" PROPORTIONAL SOLENOIDS

Type of protection (in relation to connector used)	IP 66
Duty cycle	100% ED
Insulation class	H
Weight (coil)	0,354 Kg
Weight (solenoid)	0,608 Kg

ETD15P - 01/2002/e



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