

Распределители ARON СЕТОР 3 / NG06 XD.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	

Единый адрес для всех регионов: any@nt-rt.ru || www.aron.nt-rt.ru



XD.3...

"D15P" PROPORT. SOLENOIDS	CH. VIII PAGE 3
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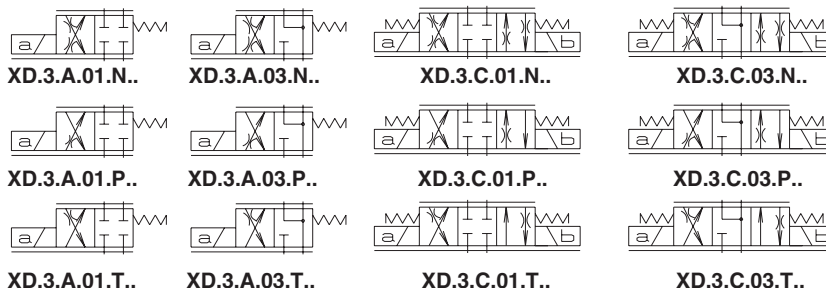
XD.3.A... / XD.3.C... SOLENOID OPERATING PROPORTIONAL VALVES CETOP 3

XD.3.A../XD.3.C... series valves are used for controlling fluid direction and flow rate as a function of the supply current to the proportional control solenoid.

Any valve Δp variation causes a change in the set flow rate; however the valve itself ensure a high level internal compensation by limiting the controlled flow rate.

Performances shown in this catalogue are guaranteed only using 2 or 3 way modular assembly hydrostats type AM.3.H. ...

The shown flow rates are typical for one line operation (e.g. from P to B), while higher flow rates are obtainable by using the valve with our flow rate doubling sub-base type BC.3.07 (see diagram next page). This type of configuration extends considerably the flow rate limit.



ORDERING CODE

XD

Proportional valve

3

CETOP 3/NG6

A = Single solenoid
C = Double solenoid

Type of spool



Flow path control (see symbols table)

N = symmetrical

P = meter in

T = meter out

Flow rating

l/min (Δp 5 bar)

1 = 3 l/min

2 = 10 l/min

3 = 15 l/min

4 = 18 l/min

5 = 25 l/min (at port T)

E = 9VDC (2.35 A)

F = 12VDC (1.76 A)

G = 24VDC (0.88 A)

00 = No variant

V1 = Viton

P1 = Rotary emergency

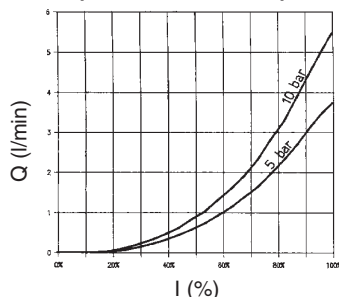
P5 = Rotary emergency 180°

2

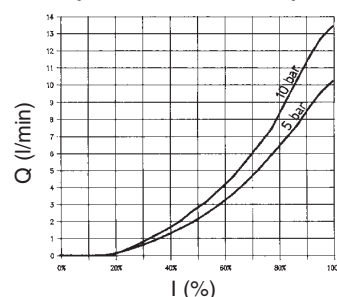
Serial No.

INPUT SIGNAL CURVES - FLOW RATE

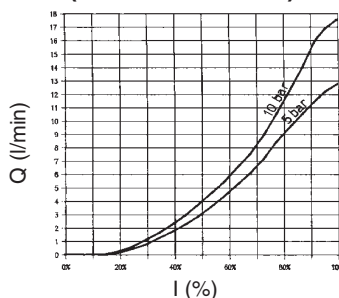
XD.3.*.01.N
(3 l/min P → A/B)



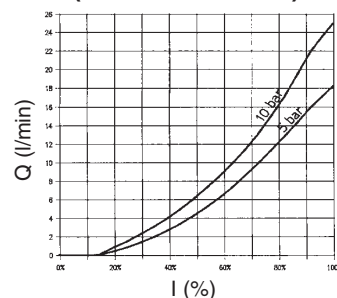
XD.3.*.01.N
(10 l/min P → A/B)



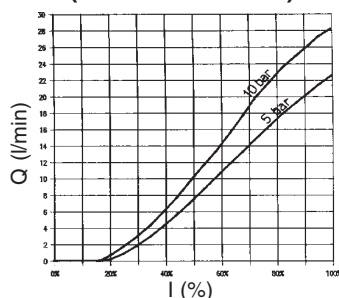
XD.3.*.01.N
(15 l/min P → A/B)



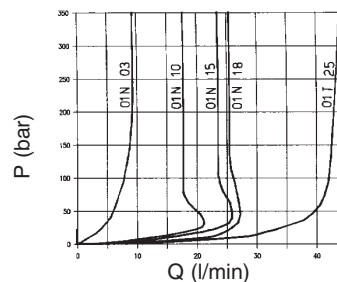
XD.3.*.01.N
(18 l/min P → A/B)



XD.3.*.01.T
(25 l/min A/B → T)



POWER LIMITS TRANSMITTED
P-A / B → T
OR **P-B / A → T**



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.

XD.3.A... / XD.3.C... SOLENOID OPERATING PROPORTIONAL VALVES CETOP 3

OPERATING SPECIFICATIONS

Max. operating pressure ports P/A/B	350 bar
Max. operating pressure ports T - for dynamic pressure see note (*)	250 bar
Regulated flow rate	3 / 10 / 15 / 20 / 25 l/min
Relative duty cycle	Continuous 100% ED
Type of protection	IP 65
Flow rate gain	See diagrams
Hysteresis with connection P/A/B/T $\Delta p = 5$ bar (P/A)	$\pm 7\%$ of max. flow rate
Fluid viscosity	10 ÷ 500 mm ² /s
Fluid temperature	-20°C ÷ 75°C
Max. contamination level	class 8 in accordance with NAS 1638 with filter $\beta_{10} \geq 75$
Weight XD.3.A... (single solenoid)	1,5 Kg
Weight XD.3.C... (double solenoid)	1,7 Kg

Type of voltage	9V	12V	24V
Max. current	2.35A	1.76 A	0.88 A
Solenoid coil resistance at 25°C (77°F)	2.25 Ohm	4.0 Ohm	16.0 Ohm

(*) Pressure dynamic allowed for 2 millions of cycles.

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

ELECTRONIC CONTROL UNIT

REM.S.RA.** and REM.D.RA.**.

Card type control for single and double solenoid

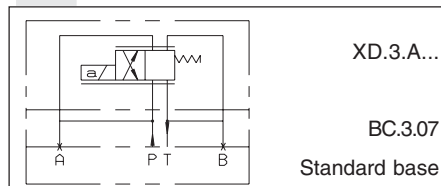
SE.3.AN.21.00...

EUROCARD type control for single and double solenoid

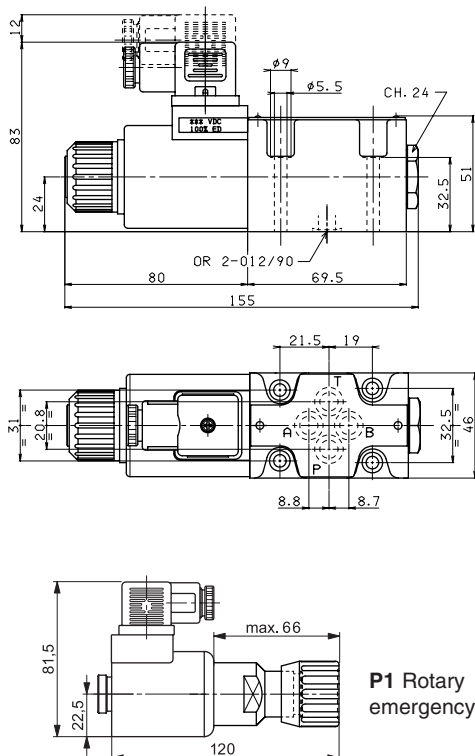
AM.3.H.2V.P1 and AM.3.H.3V.P1

Hydrostats 2 or 3 way.

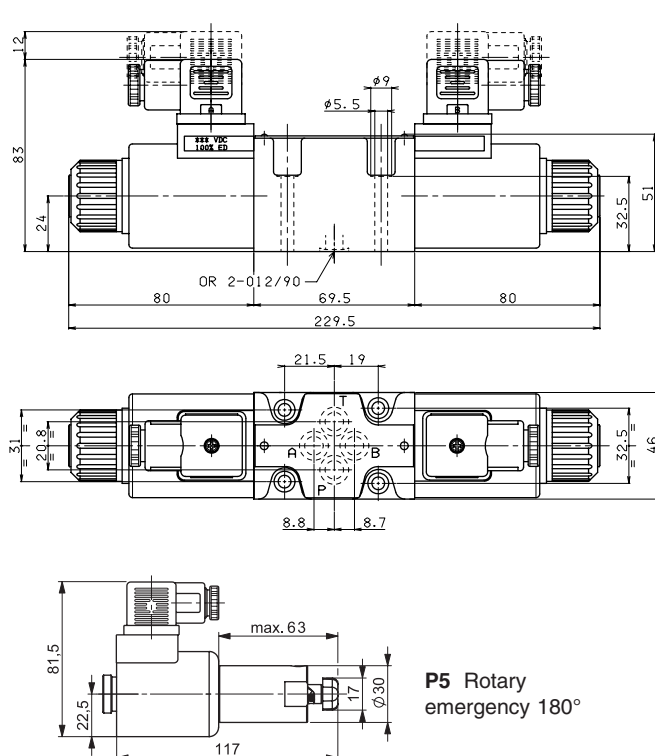
SCHEMA FOR DOUBLE FLOW RATE



XD.3.A... OVERALL DIMENSIONS

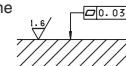


XD.3.C... OVERALL DIMENSIONS



Fixing screws UNI 5931 M5x40 (min. 8.8 material screws are recommended)
Tightening torque 4 ÷ 5 Nm / 0.4 ÷ 0.5 Kgm

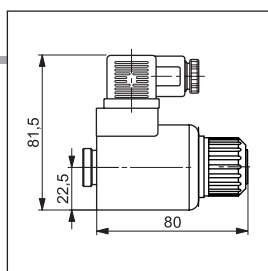
Support plane specification



"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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