

Распределители ARON СЕТОР 3 / NG06 XDP.3.A

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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Воронеж (473)204-51-73	Курск (4712)77-13-04	Оренбург (3532)37-68-04	Сочи (862)225-72-31	Череповец (8202)49-02-64
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81	Пенза (8412)22-31-16	Ставрополь (8652)20-65-13	Ярославль (4852)69-52-93
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



XDP.3.A... / XDP.3.C ...

PROPORTIONAL DIRECTIONAL VALVES OPEN LOOP

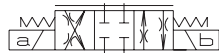
The open loop valves of series XDP... control the direction and the volume of the flow according to the feeding current to the proportional solenoid. By using a valve body equipped with increased passage channels it is possible to reach the highest capacity of its dimensions at a parity of pressure drops, (40 l/min with Δp of 10 bar).

Each Δp variation on the valve leads to the variation of the capacity which has been set, anyway the valve guarantees an high inner compensation grade and limits the adjustment capacity.

Performances shown in this catalogue are guaranteed only using 2 or 3 way modular assembly hydrostats type AM.3.H. ... By using the valve with the base for capacity doubling type BC.3.07 (see next page) a greater capacity can be obtained.

XDP.3...

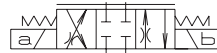
D15P PROPORTIONAL SOLENOIDS	CH. VIII PAGE 5
REM.S.RA...	CH. IX PAGE 4
REM.D.RA...	CH. IX PAGE 7
SE.3.AN21.00...	CH. IX PAGE 11
AM.3.H...	CH. VIII PAGE 10
AM.5.H...	CH. VIII PAGE 11
BC.3.07...	CH. VII PAGE 12



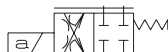
XDP.3.C.01.N...



XDP.3.C.03.N...



XDP.3.C.01.P...



XDP.3.A.01.N...



XDP.3.A.03.N...



XDP.3.A.01.P...

ORDERING CODE

XDP

Open loop proportional directional valve

3

CETOP 3/NG6

A = Single solenoid

C = Double solenoid

Type of spool (null position)

01 = **03** =

Flow path control
(see hydraulic symbols table)

N = symmetrical

P = meter in (only with 01 spool)

Flow rating

l/min (Δp 10 bar)

1 = 8 l/min

2 = 15 l/min

3 = 25 l/min

6 = 40 l/min

In order to reduced the unloading pressure for rated flow version at 40 l/min we advise to use the 3 way type AM.5.H.3V... hydrostat.

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°

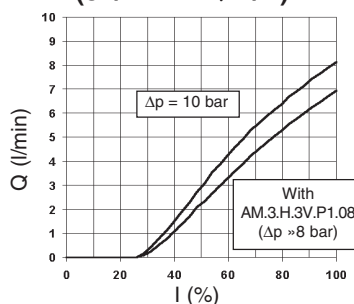
V1 = Viton

2

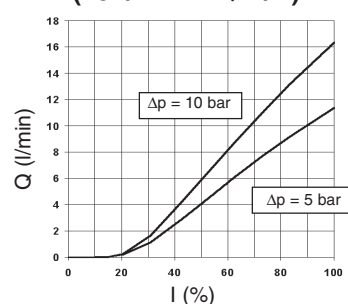
Serial No.

INPUT SIGNAL CURVES - FLOW RATE

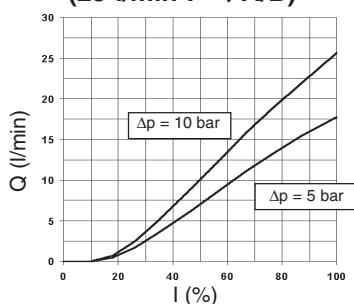
XDP.3.*.01.N
(8 l/min P → A/B)



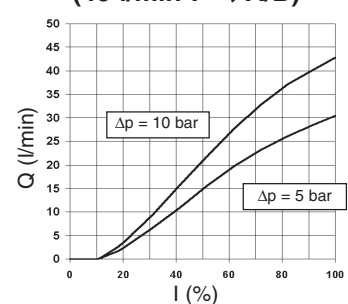
XDP.3.*.01.N
(15 l/min P → A/B)



XDP.3.*.01.N
(25 l/min P → A/B)

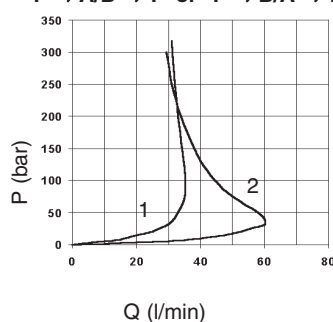


XDP.3.*.01.N
(40 l/min P → A/B)



POWER LIMITS TRANSMITTED

P → A/B → T or P → B/A → T



Curve 1
15 l/min
version

Curve 2
40 l/min
version

XDP.3.A... / XDP.3.C ... PROPORTIONAL DIRECTIONAL VALVES OPEN LOOP

OPERATING SPECIFICATIONS

Max. operating pressure ports P/A/B	350 bar
Max. pressure port T - for dynamic pressure see note (*)	250 bar
Nominal flow	8 / 15 / 25 / 40 l/min
Duty cycle	Continuous 100% ED
Type of protection (depending on the connector used)	IP 65
Flow rate gain	See diagram
Power limits curves transmitted	See diagram
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 at 9 in accordance with NAS 1638 with filter $\beta_{10} \geq 75$
Weight XDP.3.A... (single solenoid)	1,7 Kg
Weight XDP.3.C... (double solenoid)	2,9 Kg

Max. current	2.35A	1.76 A	0.88 A
Solenoid coil resistance 25°C (77°F)	2.25 Ohm	4.0 Ohm	16.0 Ohm
Hysteresis P / A / B / T			
with a pressure compensator AM.3.H.3V...	≤ 5 %	< 5%	< 8%
Response to step $\Delta p = 5$ bar (P/A)			
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 the specified ARON electronic control units. Performance data carried out using the specified Aron power amplifier SE.3.AN... serie 1 - EUROCARD format.

AMPLIFIER UNIT AND CONTROL

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

Electronic card control single and double proportional solenoid valve.

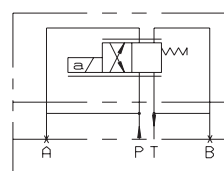
SE.3.AN.21.00...

Electronic card format EUROCARD for control and double proportional solenoid valve

AM.3.H.2V.P1 / AM.3.H.3V.P1 and AM.5.H.3V.P1 (*)

Hydrostats 2 or 3 way
(*) for rated flow XDP3 version at 40 l/min only

CONFIGURATION FOR DOUBLE FLOW RATE

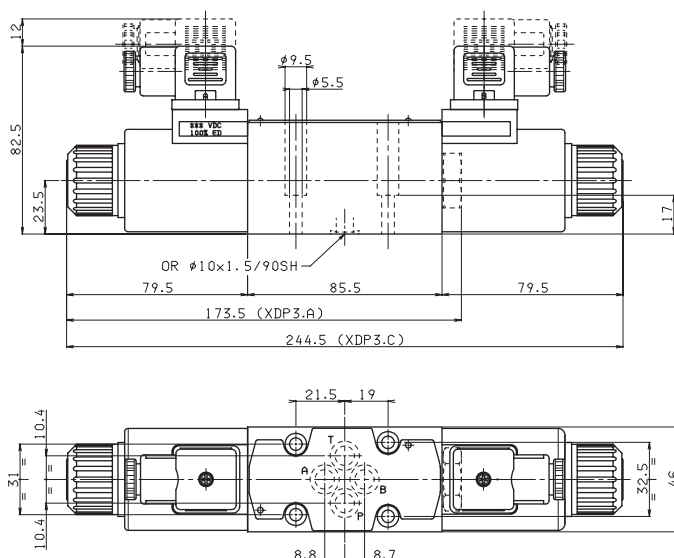


XDP.3.A...

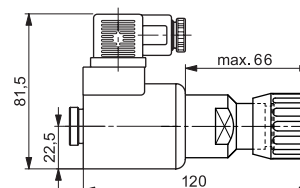
BC.3.07

Standard subplate

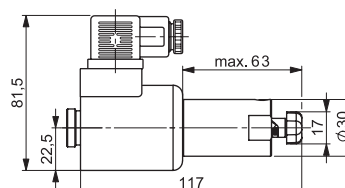
OVERALL DIMENSIONS



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

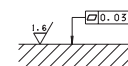


P1 Rotary emergency



P5 Rotary emergency 180°

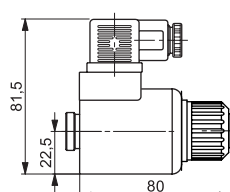
Support plane specifications



"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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