

XDP.3...

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STANDARD CONNECTORS

REMSRA...

REMDRA...

AM3H...

AM5H...

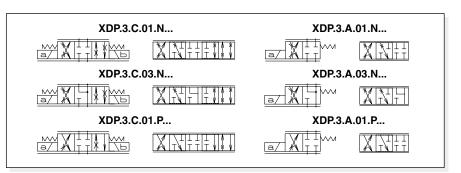
BC307...

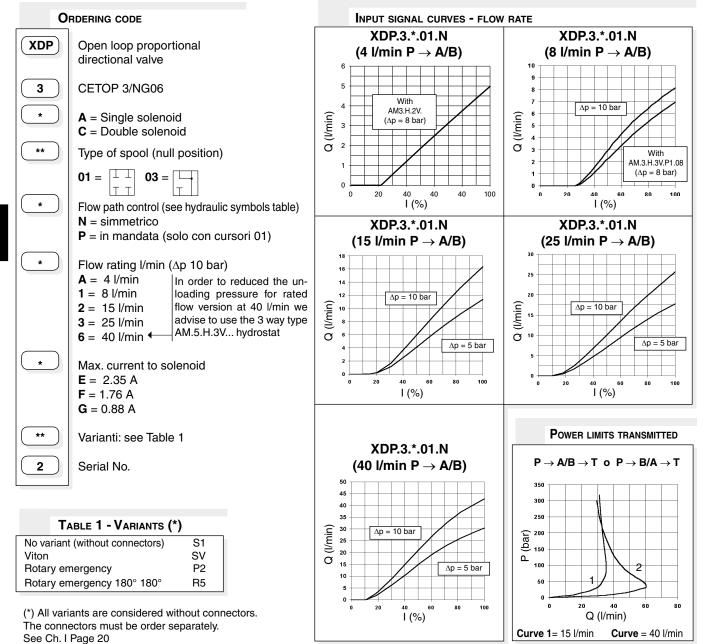
XDP3A / XDP3C	
P ROPORTIONAL DIRECTIONAL VALVES OPEN LOOP	ur brevin

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 AM3H.... By using the valve with the base for capacity doubling type BC.3.07 (see next page) a greater capacity cam be obtained.







OPERATING SPECIFICATIONS

Max. operating pressure ports P/A/B			350 bar
Max. pressure port T - for dynamic pressure s	see note (*)		250 bar
Nominal flow		8 / 15 /	25 / 40 l/min
Duty cycle		Continuo	us 100% ED
Type of protection (depending on the connected	or used)		IP 65
Flow rate gain		:	See diagram
Power limits curves transmitted		:	See diagram
Fluid viscosity			÷ 500 mm²/s
Fluid temperature		-20°C ÷ 75°C	
Ambient temperature		-20°C ÷ 70°C	
Max. contamination level		from class 7 at 9 in accordance	
	Ň	vith NAS 1638 with	10
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) Hysteresis P / A / B / T	2.25 Ohm	1 4.0 Ohm	16.0 Ohm
with a pressure compensator AM.3.H.3V	≤5%	<5%	<8%
Response to step $\Delta p = 5$ bar (P/A)			
0 ÷ 100%	32 ms	s 40 ms	85 ms
100% ÷ 0	33 ms	s 33 ms	33 ms
Frequency response -3db (Input signal 50% :	±25% Vmax)		
	22Hz	22Hz	12Hz
(*) Pressure dynamic allowed for 2 millions of	f 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 - powered to 24V.

AMPLIFIER UNIT AND CONTROL

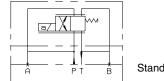
REMSRA.*.*. and REMDRA.*.*. Electronic card control single and double proportional solenoid valve. Recommended dither frequency 100 Hz.

SE3AN2100... Electronic card format EUROCARD for control and double proportional solenoid valve

AM3H2VP1 / AM3H3VP1 and AM5H3VP1 (*)

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

CONFIGURATION FOR DOUBLE FLOW RATE

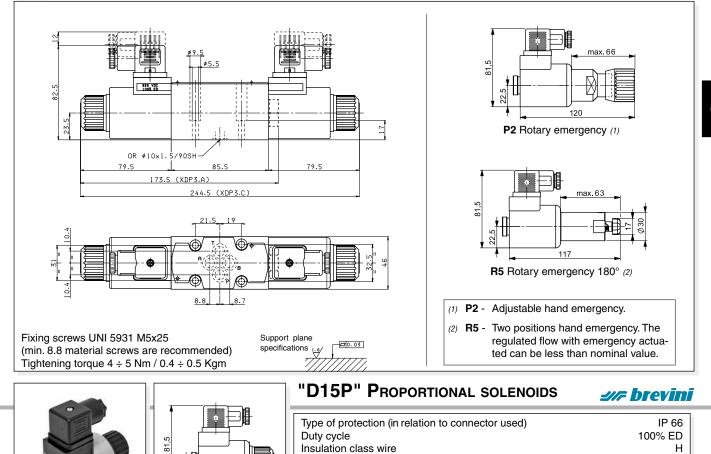


XDP.3.A...

BC.3.07

Standard subplate





Weight (coil)

80

0,354 Kg

0,608 Kg

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