

XDP.5		
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XDP.5.A... / XDP.5.C ...

non° **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.

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.

For a more accurate capacity control, 2 or 3-way hydrostats for modular plate design are available (see note below in ordering code). The shown flow rates are typical for one line operation (e.g. from P to B).

Q5 variant - This variant that consists of a solenoid chamber drainage separated from the T line and obtained on CETOP RO5 interface allows operation with up to 320 bar max. back pressure on the T line. To ensure maximum solenoid valve mounting safety and supplementary drainage, only 12.9 material fixing screws must be used with it.

200

50

0

0

25

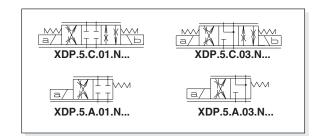
Q (l/min)

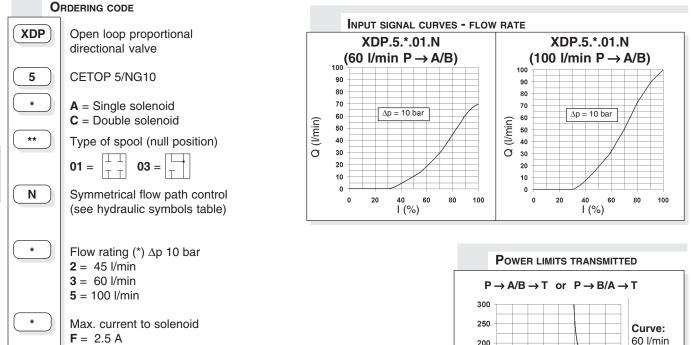
50

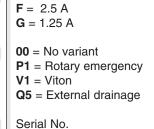
75

(bar) 150

Ē 100







(*) Guaranteed with 24Volt, 2.5Amps supply.

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1

100

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OPERATING	SPECIFICATIONS

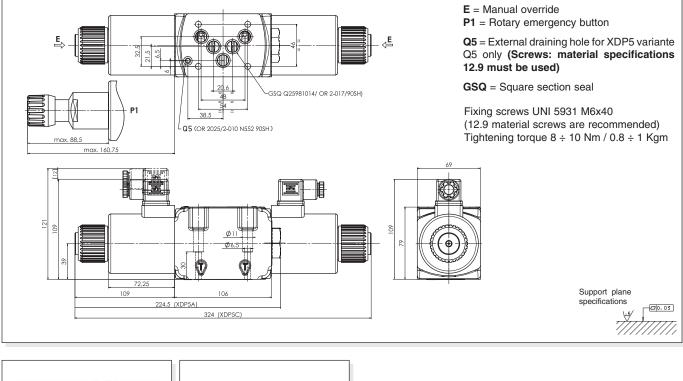
Max. operating pressure ports P/A/B		320 bar		
Max. pressure port T - for dynamic pressure see note (*)	250 bar			
Max. pressure port T (with external drainage - Q5 variant)	320 bar			
Nominal flow	45 / 60 / 100 l/min			
Duty cycle	Continuous 100% ED			
Type of protection (depending on the connector used)	IP 65			
Flow rate gain	See diagram			
Power limits curves transmitted		See diagram		
Fluid viscosity	10 ÷ 500 mm²/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 $\beta_{10} \ge 75$				
Weight XDP.5.A (single solenoid)		4,97 Kg		
Weight XDP.5.C (double solenoid)		6,55 Kg		
Max. current	2.5 A	1.25 A		
Solenoid coil resistance 20°C (68°F)	2.85 Ohm	11.4 Ohm		
Hysteresis P/A/B/T				
with a pressure compensator AM.5.H.3V	<5%	<8%		
Response to step $\Delta p = 10$ bar (P/A)				
0 ÷ 100%	56 ms	118 ms		
100% ÷ 0	32 ms	32 ms		
Frequency response -3db (Input signal 50% ±25% Vmax)				
	10Hz	7Hz		
(*) Pressure dynamic allowed for 2 millions of cycles				

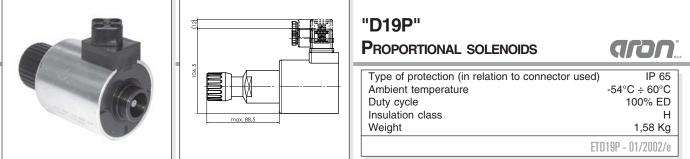
Operating specifications are valid for fluids with 46 mm²/s viscosity at 40°C, using the specified ARON electronic control units. Performance data carried out using the specified Aron power amplifier type REM.S.RA... power supplied at 24V.



REM.S.RA.*.*. and REM.D.RA.*.*. Electronic card control single and double proportional solenoid valve.

AM.5.H.2V.P1 / AM.5.H.3V.P1(∆p=10bar) Hydrostats 2 or 3 way.





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