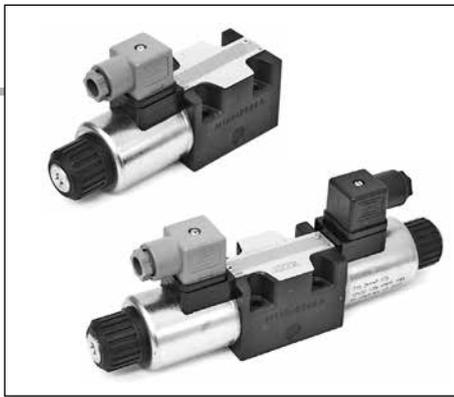


XD3A... / XD3C... SOLENOID OPERATING PROPORTIONAL VALVES CETOP 3

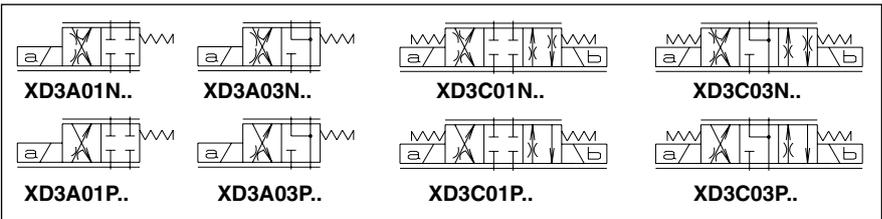


XD3A../XD3C.. series valves are used for controlling fluid direction and flow rate as a function of the supply current to the proportional solenoid. Any valve Δp variation causes a change in the set flow rate; however the valve itself ensure a high level internal compensation by limiting the controlled flow rate. To ensure a constant flow rate and reduce leakage, we recommend to use AM3H2V or AM3H3V hydrostats.

Performances shown in this catalogue are guaranteed only using 2 or 3 way modular assembly hydrostats type AM3H. ...

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 BC307 (see diagram next page). This type of configuration extends considerably the flow rate limit.

XD3...	
STANDARD CONNECTORS	CAP. I • 20
"D15P" PROPORT. SOLENOIDS	CAP. VIII • 5
REMSRA...	CAP. IX • 4
REMRA...	CAP. IX • 7
AM3H...	CAP. VIII • 15
BC307...	CAP. VII • 12



ORDERING CODE

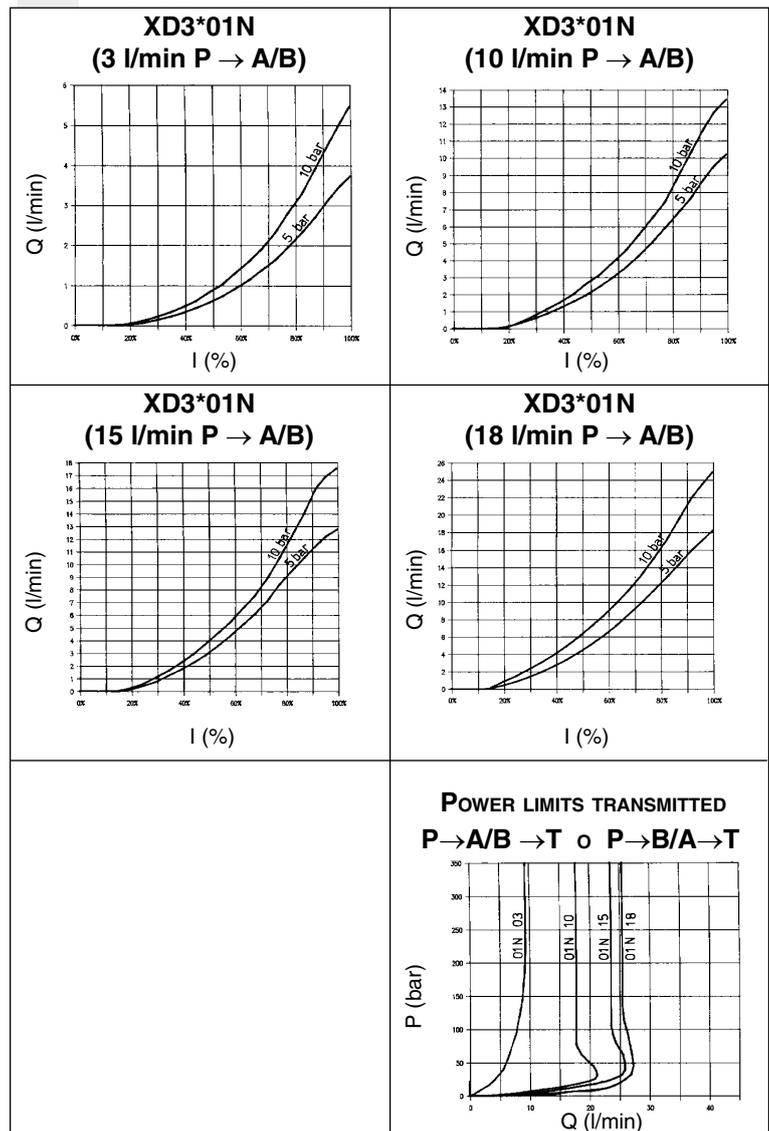
XD	Proportional valve
3	CETOP 3/NG06
*	A = Single solenoid C = Double solenoid
**	Type of spool (null position)
	01 = 03 =
*	Flow path control (see symbols table) N = symmetrical P = meter in
*	Flow rating l/min (Δp 5 bar) 1 = 3 l/min 2 = 10 l/min 3 = 15 l/min 4 = 18 l/min
*	E = 2.35 A F = 1.76 A G = 0.88 A
**	Variant: see Tab.1
2	Serial No.

TAB.1 - VARIANTS (*)

No variant (without connectors)	S1
Viton	SV
Rotary emergency	P2
Rotary emergency 180°	R5

(*) All variants are considered without connectors. The connectors must be order separately. See Cap. I • 20.

INPUT SIGNAL CURVES - FLOW RATE



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.

XD3A... / XD3C... 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 / 18 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)	$\leq 7\%$ of max. flow rate		
Fluid viscosity	$10 \div 500$ mm ² /s		
Fluid temperature	$-20^{\circ}\text{C} \div 75^{\circ}\text{C}$		
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 electronic control units.

ELECTRONIC CONTROL UNIT

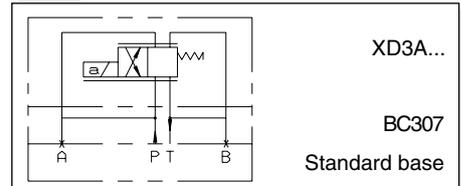
REMSRA** and REMDRA**

Card type control for single and double solenoid.
Recommended dither frequency 100 Hz.

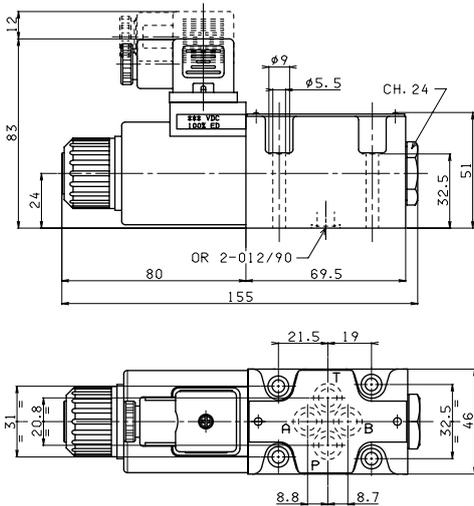
AM3H2VP1 and AM3H3VP1

Hydrostats 2 or 3 way.

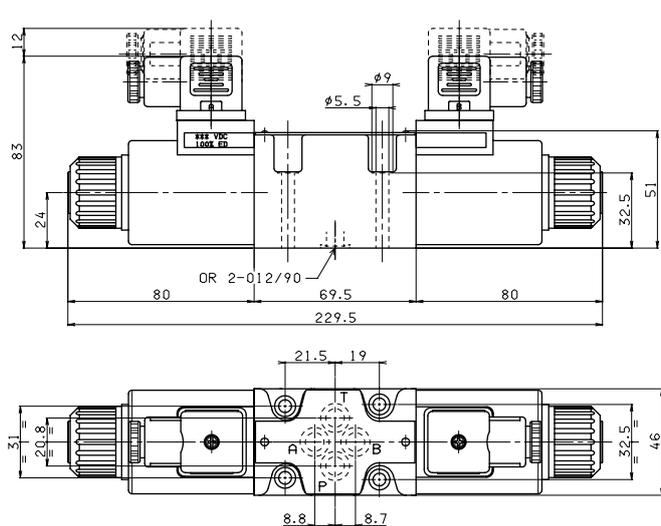
SCHEMA FOR DOUBLE FLOW RATE



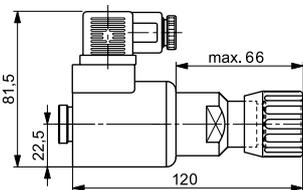
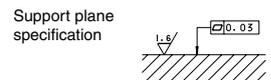
XD3A... OVERALL DIMENSIONS



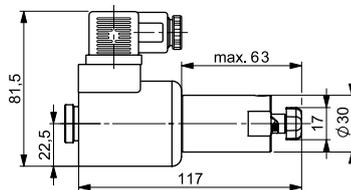
XD3C... OVERALL DIMENSIONS



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



P2 Rotary emergency (1)

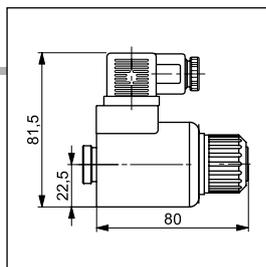


R5 Rotary emergency 180° (2)

- (1) **P2** - Adjustable hand emergency.
- (2) **R5** - Two positions hand emergency. The regulated flow with emergency actuated can be less than nominal value.

8

"D15P" PROPORTIONAL SOLENOIDS



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