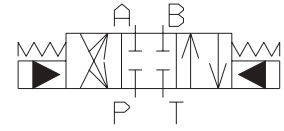




ADPH.5... PILOTED VALVES CETOP 5/NG10 WITH CETOP 2/NG4 PILOT VALVE



HYDRAULIC SYMBOL



1

These ADPH 5 valves are used primarily for controlling the starting, stopping and direction of fluid flow. These kind of distributors are composed by a main stage crossed by the big flow from the pump (ADPH.5) and by a cetop 2 pilot directional solenoid valve (AD.2.E) available with different mounting type .

When a short response time is requested, a special version of solenoids with high dynamics is available with the code AD.2.E.**.*FF.2 (Please, contact our Technical Aron Service).

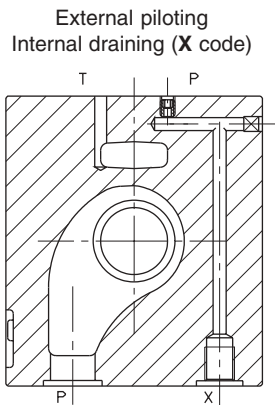
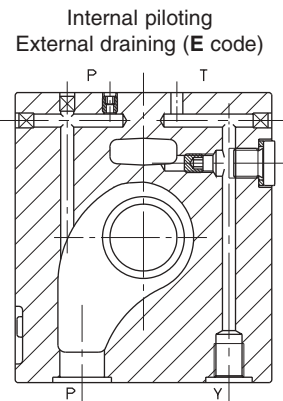
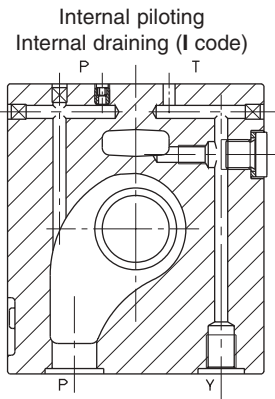
ADPH.5...

STANDARD SPOOLS FOR ADPH.5	CH. I PAGE 46
TECH. SPECIFICATIONS ADPH5	CH. I PAGE 47
CETOP 2/NG04	CH. I PAGE 2
AD.2.E...	CH. I PAGE 4
"A09" DC COILS	CH. I PAGE 4
STANDARD CONNECTORS	CH. I PAGE 19

ORDERING CODE

ADPH	Piloted valve The pilot valves AD.2.E... must be ordered separately
5	CETOP 5/NG10
**	Spool type (Table next page)
*	Mounting (Table next page) Standard orifice at port P: \varnothing 1mm
*	Orifice type on Cetop 2 valves (Table 1) 0 = none A/B/C/D/E/F/G = orifice on line A H/I/L/M/N/P/Q = orifice on line B
*	Piloting and draining type (Tab.2) I = internal piloting internal draining E = internal piloting external draining X = external piloting internal draining (internal draining (special body)
00	No variant
1	Serial No.

TAB.2 - PLUGS DISPOSAL



TAB.1 - ORIFICE ON LINE A/B

On line A	On line B	\varnothing (mm)
0	0	None
A	H	0,5
B	I	0,6
C	L	0,7
D	M	0,8
E	N	0,9
F	P	1
G	Q	1,2

HYDRAULIC SYMBOLS, SPOOLS AND MOUNTING

(* Spools with price increasing)

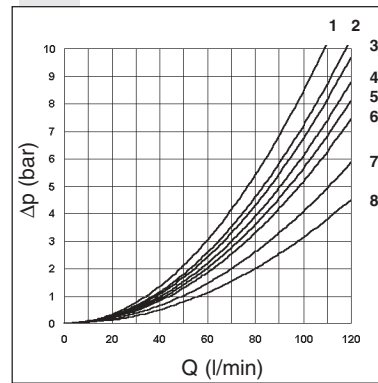
1

"A" MOUNTING			
Pilot Piloted			
Scheme			
Spool type		Covering	Transient position
01		+	
02		-	
03		-	
04*		-	
06		+	
15		-	
16		+	

"B" MOUNTING			
Pilot Piloted			
Scheme			
Spool type		Covering	Transient position
01		+	
02		-	
03		-	
04*		-	
06		+	
15		-	
16		+	

"C" MOUNTING			
Pilot Piloted			
Scheme			
Spool type		Covering	Transient position
01		+	
02		-	
03		-	
04*		-	
06		+	

PRESSURE DROPS



The diagram at the side shows the pressure drop curves for spools during normal usage. The used fluid is a mineral oil with a viscosity of 46 mm²/s at 40°C; the tests have been carried out at a fluid temperature of 40°C. For flow rates higher than those in the diagram, the losses will be those expressed by the following formula:

$$\Delta p_1 = \Delta p \times (Q_1/Q)^2$$

where Δp will be the value for the losses for a specific flow rate Q which can be obtained from the diagram, Δp_1 will be the value of the losses for the flow rate Q1 that is used.

Spool type	Connections				
	P→A	P→B	A→T	B→T	P→T
01	4	4	7	7	
02	6	6	8	8	7
03	3	3	8	8	
04	4	4	2	2	3
06	4	4	7	8	
15	2	2	5	5	
16	1	1	2	2	
Curve No.					

