

ADH.5... 4/3 AND 4/2 PILOTED VALVES CETOP 5/NG10



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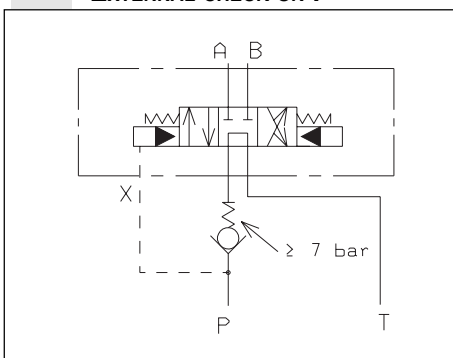
ADH.5...

STANDARD SPOOLS FOR ADH.5	CH. I PAGE 44
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ORDERING CODE

ADH	Piloted valve (Pilot valve and any mounting valves should be ordered separately)
5	CETOP 5/NG10
*	Mounting type (Table next page)
**	Spool type (Table next page)
*	Piloting and draining I = X internal / Y internal IE = X internal / Y external EI = X external / Y internal E = X external / Y external (see diagram at side)
**	00 = No variant LC = Main spool stroke limiter
1	Serial No.

EXTERNAL CHECK ON P



Type ADH.5 distributors are intended for interrupting, inserting and diverting a hydraulic system flow. Normally these distributors are composed of a main stage, crossed by circuit main flow, and of a pilot stage available in several versions.

Various types of controls are available, used either individually or in combination for, among other functions, stroke limitation and main spool movement speed control, in order to optimize the hydraulic system operation where this type of valve is employed.

In those case where normally to drain spools are used, it is necessary to remember that the minimum changeover pressure due to the opposing springs is equal to approximately 7 bar (see the operating features table on page I•45) and consequently necessary to insert a check valve in the P way (as shown above).

- Mounting surface in accordance with CETOP RP 121 H-4.2.4.R05 and/or UNI ISO 4401-AC-05-4-A
- Pilot operated spool, solenoid controller
- Stroke control of main spool
- Pre-setting for pressure reducing valve mounting
- Pre-setting for single-acting throttle valve mounting

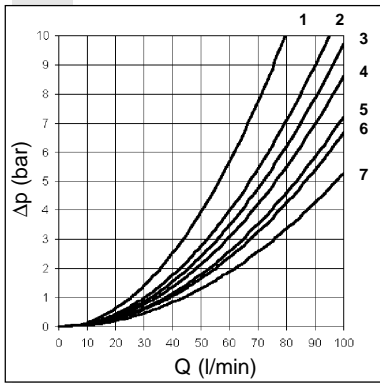
PLUGS ARRANGEMENT FOR THE PILOT AND DRAIN LINES

Plugs type used: M5x6 both for pilot and drain

	<p>ADH.5...I X internal piloting Y internal draining</p>
	<p>ADH.5...IE X internal piloting Y external draining</p>
	<p>ADH.5...EI X external piloting Y internal draining</p>
	<p>ADH.5...E X external piloting Y external draining</p>

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PRESSURE DROPS



The diagram on the side shows the pressure drops in relation to spools adopted for normal usage (see table).

Tests carried out at a constant temperature of 40°C.

The fluid used was a mineral based oil with a viscosity of 46 mm²/s at 40°C.

Spool type	Connections				
	P→A	P→B	A→T	B→T	P→T
01	3	3	5	5	
02	3	3	6	6	3
03	3	3	6	6	
04	2	2	5	5	1
05	3	3	5	5	
06-66	3	3	6	6	
07		1	6		
10	3	3	5	5	
11	4		5		
22		4	5		
14-28	3	3	7	7	2
15	3	3	4	5	
16	3	3	4	5	
17	3	3			

Curve No.

SPOOLS AND MOUNTING TYPE

(* Spools with price increasing)

(*) For the E mounting the locating spring works only with the steady system

Pilot Piloted	C mounting	A mounting	B mounting	E mounting (*)	Mounting P
	AD.3.E.03.C... ADH.5.C...	AD.3.E.03.E... ADH.5.A...	AD.3.E.03.F... ADH.5.B...	AD.3.E.16.E... ADH.5.E...	AD3E16E/AD3E16F ADH.5.P...
Scheme					
Spool type					
01					
02					
03					
04*					
05					
66					
06					
07*					
10*					
11*					
22*					
14*					
28*					
15					
16					
17					

