24 310/110 ED





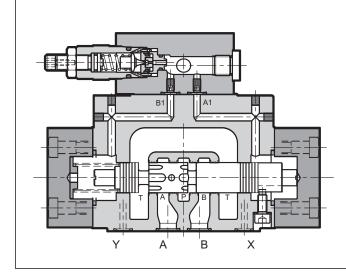


DZC5 DZC5R DZC7 DZC8 CETOP P05 ISO 4401-05 (CETOP R05) ISO 4401-07 (CETOP 07) ISO 4401-08 (CETOP 08)

p max 350 bar

Q max (see table of performances)

OPERATING PRINCIPLE

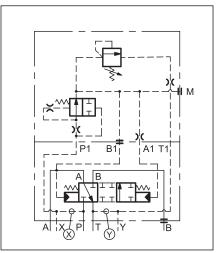


- The type DZC* balancing valves act as pressure reducing valves that, besides reducing the pressure from line P to user A, allow the flow to return from user A to discharge T when a pressure greater than the set value is generated in the downstream circuit (user A) (a typical case of hydraulic counterweight or load balancing)
- They have a mounting surface in accordance with ISO 4401 (CETOP RP121H) standards. Port B is never used.
- They are available in three different sizes for flow rates up to 500 l/min.

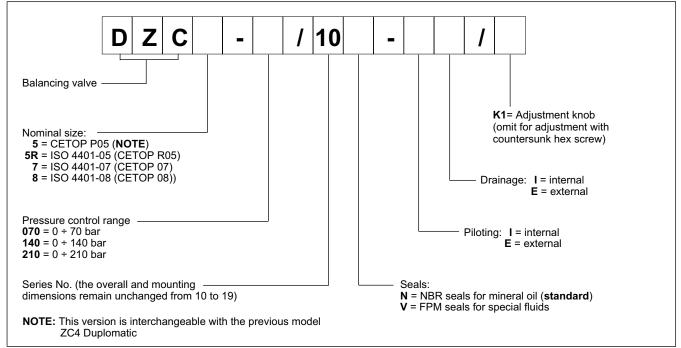
PERFORMANCES (obtained with mineral oil with viscosity of 36 cSt at 50°C)

		DZC5 DZC5R	DZC7	DZC8	
Maximum operating pressure:	bar	350			
Maximum flow	l/min	150	300	500	
Ambient temperature range	°C	-20 / +50			
Fluid temperature range	°C	-20 / +80			
Fluid viscosity range	cSt	10 ÷ 400			
Fluid contamination degree	According to	ISO 4406:1999 class 20/18/15			
Recommended viscosity	cSt	25			
Mass:	kg	6,5	8,7	15	

HYDRAULIC SYMBOL

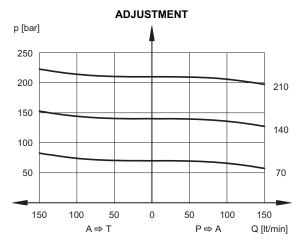


1 - IDENTIFICATION CODE

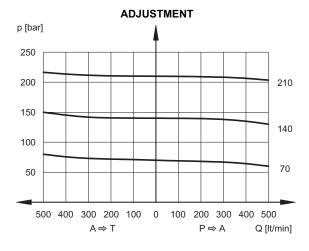


3 - CHARACTERISTIC CURVES (obtained with mineral oil with viscosity of 36 cSt at 50°C and electronic control cards)

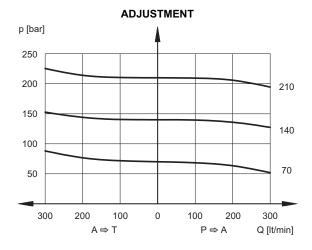
2.1 - Characteristic curves DZC5 and DZC5R







2.2 - Characteristic curves DZC7





3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals (code N). For fluids HFDR type (phosphate esters) use FPM seals (code V). For the use of other kinds of fluid such as HFA, HFB, HFC, please consult our technical department. Using fluids at temperatures higher than 80 °C causes a faster degradation of the fluid and of the seals characteristics. The fluid must be preserved in its physical and chemical characteristics.

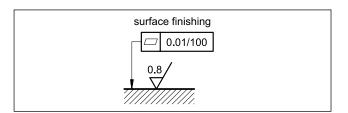
4 - PILOTING AND DRAINAGE

					\bigcirc
		Plug assembly			
	VALVE TYPE	x	Y		X: M5x6 plug fo
IE	INTERNAL PILOT AND EXTERNAL DRAIN	NO	YES		external pilot Y: M5x6 plug fo external drain
II	INTERNAL PILOT AND INTERNAL DRAIN	NO	NO		external drain
EE	EXTERNAL PILOT AND EXTERNAL DRAIN	YES	YES		
EI	EXTERNAL PILOT AND	YES	NO	P (X) DZC7 (Y)	
Pressure	ressure on X port on T port with interal drain	MIN 30 -	MAX 210 (NOTE) 2		X: M6x8 plug for external pilot Y: M6x8 plug for external drain
Pressure on T port with external drain		-	250		
				DZC8	X: M6x8 plug fo external pilot Y: M6x8 plug fo external drain

5 - INSTALLATION

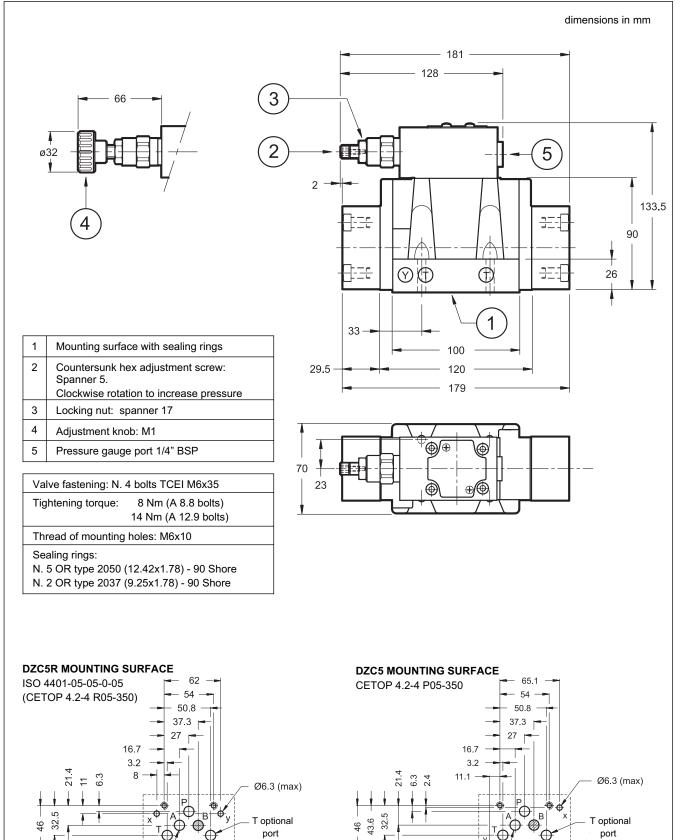
The DZC* valves can be installed in any position without impairing correct operation.

Connect the valve T port directly to the tank. Add any backpressure value detected in the T line to the controlled pressure value. Maximum admissible backpressure in the T line, under operational conditions, is 2 bar. Valves are fixed by means of screws or tie rods on a flat surface with planarity and roughness equal to or better than those indicated in the relative symbols. If minimum values are not observed, fluid can easily leak between the valve and support surface.





6 - DZC5 AND DZC5R OVERALL AND MOUNTING DIMENSIONS



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M6

Ø11.2 (max)

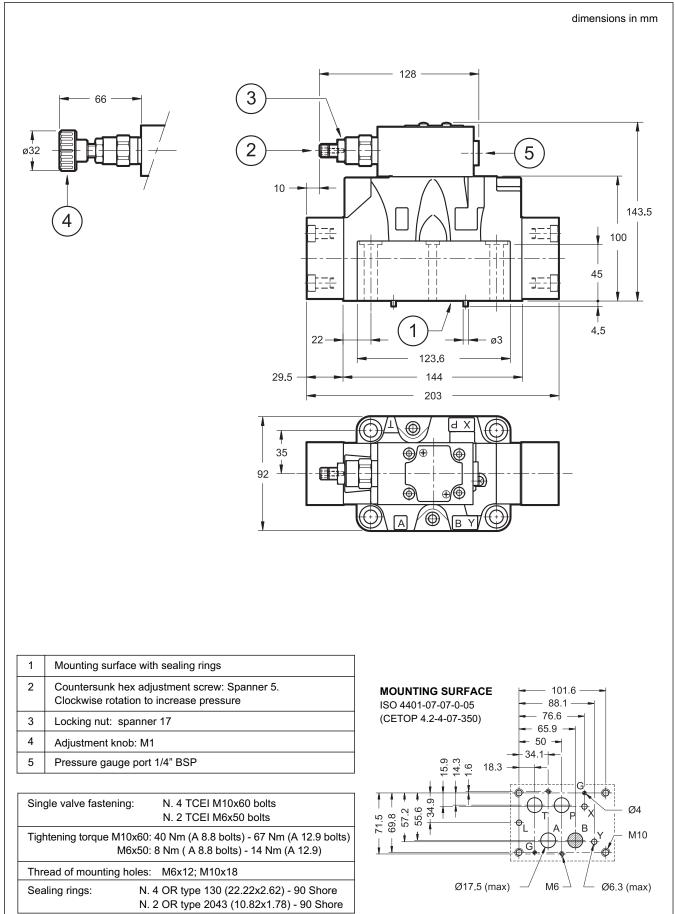
M6

Φ.

Ø11.2 (max)



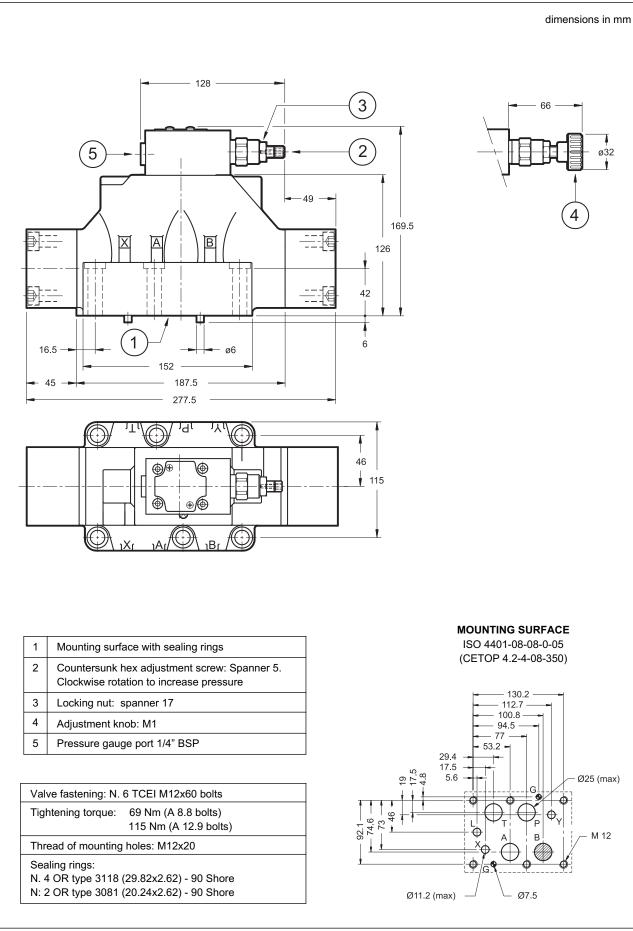
7 - DZC7 OVERALL AND MOUNTING DIMENSIONS





ø32

8 - DZC8 OVERALL AND MOUNTING DIMENSIONS



Ø25 (max)

M 12

9 - SUBPLATES (See catalogue 51 000)

		DZC5	DZC7	DZC8	
Model with rear ports		PME4-AI5G	PME07-AI6G		
Model with side ports		PME4-AL5G	PME07-AL6G	PME5-AL8G	
Thread of ports:	P - T - A - B X - Y	3/4" BSP 1/4" BSP	1" BSP 1/4" BSP	1½" BSP 1/4" BSP	



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