

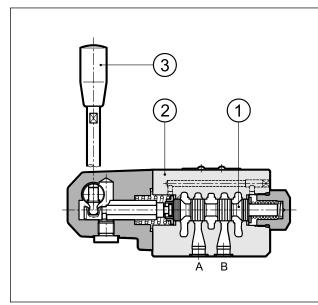
DSH* LEVER OPERATED DIRECTIONAL CONTROL VALVE

MOUNTING SURFACES DSH3 ISO 4401-03 DSH5 ISO 4401-05

p max (see performances table)

Q nom (see performances table)

OPERATING PRINCIPLE

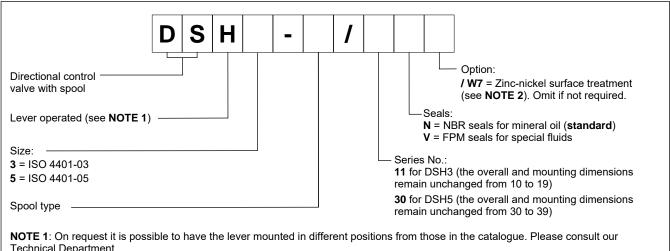


- The DSH* are lever operated directional control valves, available with 3 or 4 ways and with several types of interchangeable spools (1).
- The valve body (2) is made with high strength iron castings provided with wide internal passages in order to minimize the flow pressure drop.
- They are available with 2 or 3 positions with return spring or mechanical retention.
- On DSH3 version is possible to rotate the lever (3) by 180° compared with the standard position, depending on installation requirements.

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

		DSH3	DSH5
Maximum working pressure: - P - A - B ports - T port	bar	350 210	320 160
Nominal flow rate	I/min	75	150
Ambient temperature range	°C	-20 / +60	
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	1.3	4.2

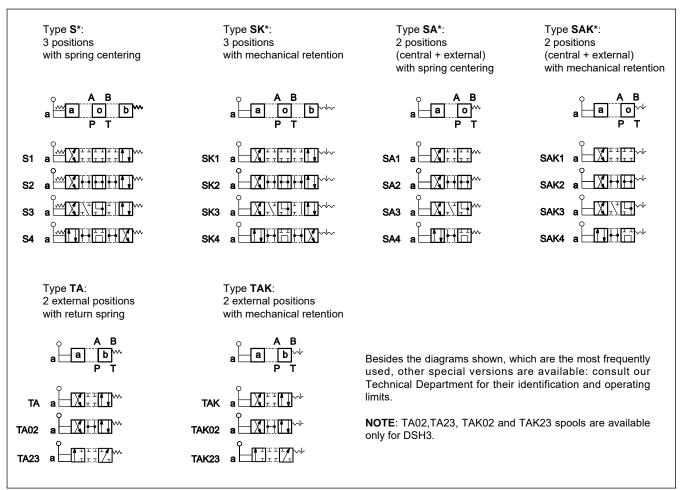
1 - IDENTIFICATION CODE



Technical Department.

NOTE 2: Standard surface treatment: phosphating. The zinc-nickel finishing makes the valve suitable to ensure a salt spray resistance up to 600 hours.

2 - SPOOL TYPE



3 - HYDRAULIC FLUIDS

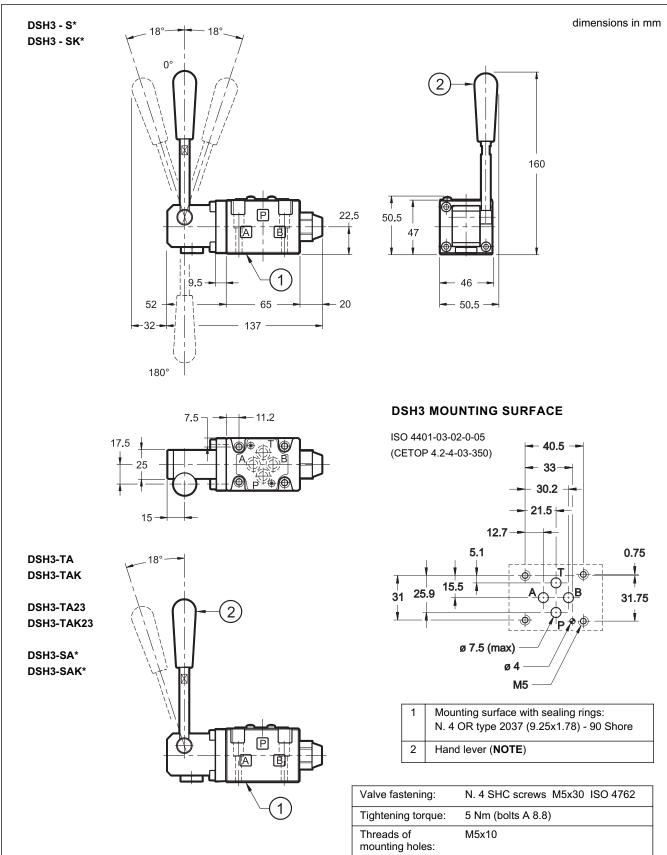
Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals (code N). For fluids HFDR type (phosphate esters) use FPM seals (code V). For the use of other fluid types such as HFA, HFB, HFC, please consult our technical department.

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.

DSH*



4 - OVERALL AND MOUNTING DIMENSIONS DSH3



NOTE: The valve is supplied with the hand lever oriented in a perpendicular position with respect to the mounting surface (as indicated in the above drawing). For installation needs the hand lever can be oriented by the user directly at 180° to the standard position, simply by unscrewing the lever and re-screwing it in the desired position.

D

DSH*

5 - OVERALL AND MOUNTING DIMENSIONS DSH5

