Directional spool valve

2.1

Directional spool valve type HSF

www.khadamathydraulic.com Tell: 021-55882749 Tell: 021-33488178 Fax: 021-33488105

Directional spool valves are a type of directional valve. They control the direction of movement and the velocity of single and double-acting hydraulic consumers.

The directional spool valve type HSF is a manifold mounting valve. Due to the robust design, it reaches operating pressures of up to 400 bar.

Adjustable threaded throttles are used to adjust the response time. Harsh switching operations and decompression surges, particularly in the event of high pressure and large consumer volumes, can be avoided this way.

Features and benefits:

- Smooth switching for large flow rate
- Suitable for high pressures due to steel housing

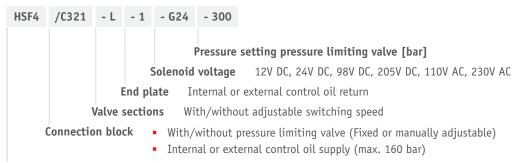
Intended applications:

- Mining machinery (incl. oil production)
- Cranes and lifting equipment
- Construction and construction materials machinery
- Material handling (industrial trucks, etc.)



Nomen- clature:	Directional spool valve
Design:	Individual valve for manifold mounting
Actuation:	Electro-hydraulic Hydraulic
p _{max} :	400 bar
Q _{max} :	160 l/min

Design and order coding example



Basic type and size Type HSF: Manifold mounting

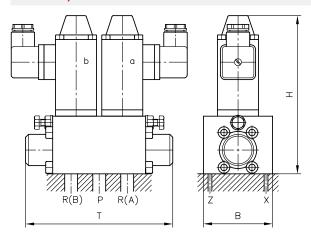


Function

Valve sections:

Basic symbol	Symbol								
HSF	G	D	E	С	W	В	L	Н	F
a o o b b b A X Z R P		XHI			X	X	X	XIHIII	XILHI
Manifold mounting valve	All flow pattern symbols also available with adjustable response time								

General parameters and dimensions



	Q _{max} [l/min]	p _{max} [bar]	Dimensions [mm]		m [kg]	
			Н	В	Т	
HSF 3	80	400	137	59	126	2,8
HSF 4	160	400	157	70	184	5

Associated technical data sheets::

- Directional spool valve type PSL and PSV: <u>D 7700-2</u>; <u>D 7700-3</u>
- Directional spool valve type HSF: D 7493 E
- Directional spool valve type HSL: D 7493 L

Male connectors:

- Line connector type MSD and others: D 7163
- With economy circuit: <u>D 7813</u>, <u>D 7833/1</u>