

Electro-hydraulic directional control valve



Electro-hydraulic directional control valve is a control valve which can use !he pres sure of !he hydraulic circuit to pull !he spool and change !he hydraulic oil direction.

Electro-hydraulic directional control valve is the combination of the electrical operated directional control valve and !he hydraulic operated directional control valve. If uses !he electrical operated directional control valve to control !he hydraulic operated directional control valve, and change !he hydraulic oil direction.

Electro-hydraulic directional control valve and hydraulic operated directional control valve are used mostly in hydraulic systems when electrical operated directional control valve can not afford the flow. If may control the movement of the power elements, or control the direction of the flowing oil.

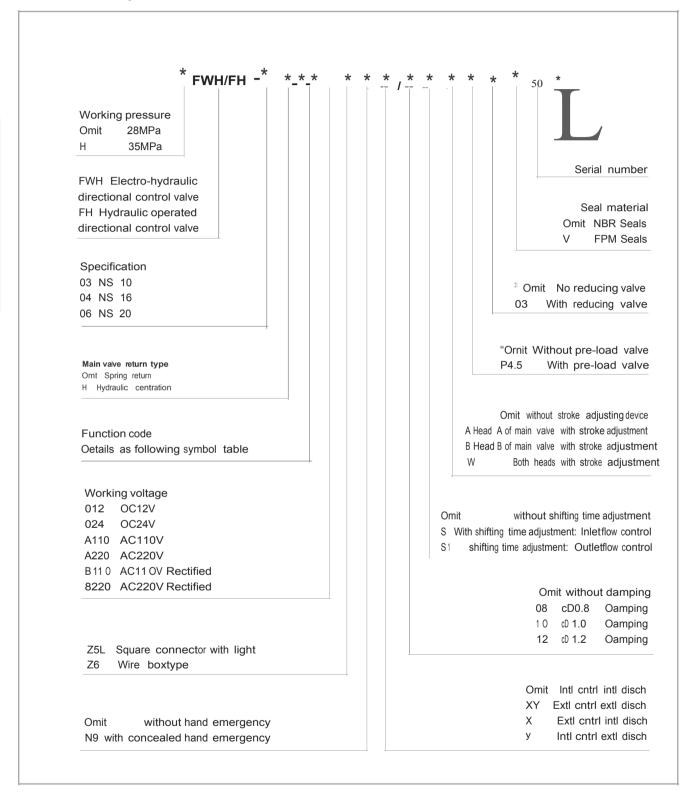
Technical specification

Specification		03		04		06	
Model		FWH-03	HFWH-03	FWH-04	HFWH-04	FWH-06	HFWH-06
Max. Working (MPa) pressure	P,A,B Por!	28	35	28	35	28	35
	T port (interna! leakage of control oil)	10		10		10	
	Y port (externa! leakage of control oil)	10		10		10	
Mínimum control pressure (MPa)		1.0 Spring-Return three-way valve two-way valve		1.2 Spring-Return three-way valve two-way valve		1.3 Spring-Return three-way valve two-way valve	
Maximum control pressure (MPa)		to25					
Max. Flow	(L/min)	16	60		300	650	
Working fluid		Mineral oilphosphate-ester					
Fluid temp.	("e)	-20-70					
Viscosity	(mm'/s)	2.8-380					
Weight (kg)	Single-head solenoid	6	6.4	8.5		1	7.6
	Double-head solenoids	6	6.8		8.9	18	
	FH Valve		4	7.3		16.5	
	Adjustor of reversing time	(0.8	0.8		0.8	
	Pressure reducing valve	0.5		0.5		0.5	
Cleanliness	The maximum allowable cleanliness of !he oil should be according to 9th degree of Standard NAS163811 is suggested that !he minimum filler rating shouldbe~10;;e75.						



Electro-hydraulic directional control valve

Model description



Explaination

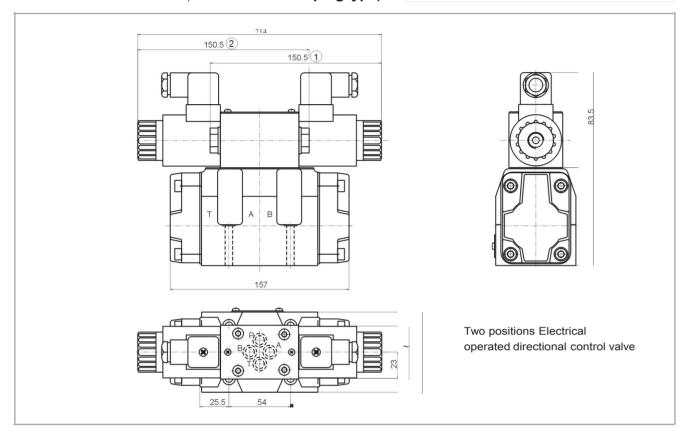
2.0nly applied when !he controlling pressure is higher !han 25MPa

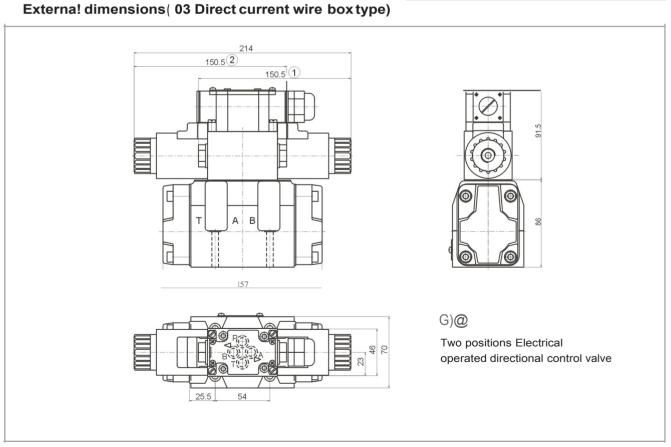
^{1.}For neutral unloaded directional control valve it mus! be ordered separately. There is no model (FWH-03)Electro-hydraulic directional control valve NS10.



Electro-hydraulic directional control valve

External dimensions (03 Direct current plug type)

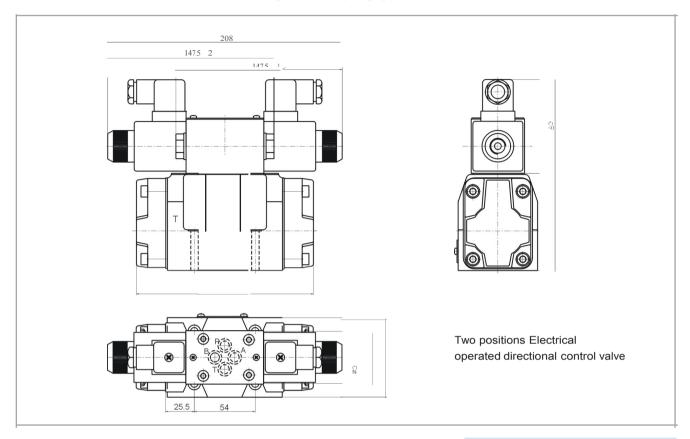






Electro-hydraulic directional control valve

External dimensions (03 Alternating current plug type)



Externa! dimensions (03 Alternating current wire box type)

