

Hydraulic Cupla for Water-Glycol Hydraulic Fluids

Autocatalytic Nickel-Phosphorus coating is adopted.

An excellent autocatalytic Nickel-Phosphorus coating, which is insoluble in water-glycol hydraulic fluids, is adopted.

Interchangeability

HSP, HSP-C, and HSP-DC are interchangeable in same connection size.



1/4", 3/8", 1/2",
3/4", 1" are
available for
connection.

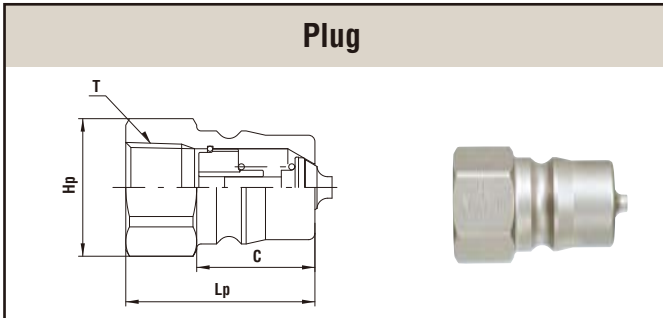
Working Pressure

20.6MPa (210kgf/cm²)

Impact-resistant valve structure is adopted.
Suitable for die casting machines with intense pressure fluctuation.

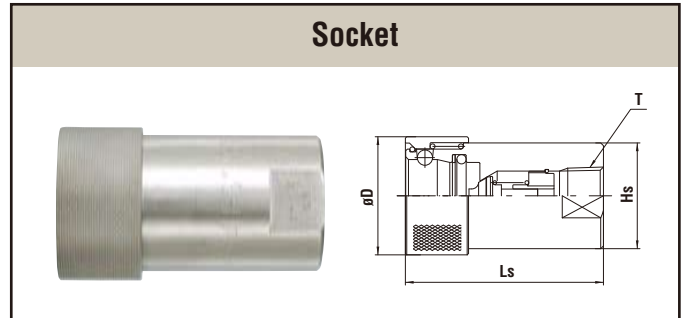


Models and dimensions



Model	Application	Mass (g)	Dimensions (mm)			
			Lp	C	Hp	T
2HP-DC	R 1/4	39	32	17.5	Hex. 19 x ϕ 20.5	Rc 1/4
3HP-DC	R 3/8	68	38	22.5	Hex. 23 x ϕ 25	Rc 3/8
4HP-DC	R 1/2	126	44	27.5	Hex. 29 x ϕ 32.5	Rc 1/2
6HP-DC	R 3/4	146	50	27.5	Hex. 32 x ϕ 35	Rc 3/4
66HP-DC	R 3/4	240	51	28	Flat 35 x ϕ 39.5	Rc 3/4
8HP-DC	R 1	363	61	36	Flat 41 x ϕ 47	Rc 1

* 4HSP and 6HSP are interchangeable.



Model	Application	Mass (g)	Dimensions (mm)			
			Ls	øD	Hs	T
2HS-DC	R 1/4	132	49	27.5	Flat 19 x ϕ 23.9	Rc 1/4
3HS-DC	R 3/8	223	60	33	Flat 23 x ϕ 28.6	Rc 3/8
4HS-DC	R 1/2	482	72	43	Flat 35 x ϕ 38.5	Rc 1/2
6HS-DC	R 3/4	455	72	43	Flat 35 x ϕ 38.5	Rc 3/4
66HS-DC	R 3/4	570	78.5	47	Flat 35 x ϕ 41.3	Rc 3/4
8HS-DC	R 1	1043	93	58	Flat 46 x ϕ 52.2	Rc 1

Specifications

Body material	steel (with Auto catalytic Nickel-Phosphorus coating)		
Size	1/4" • 3/8" • 1/2" • 3/4" • 1"		
Working pressure	20.6 MPa {210 kgf/cm ² }		
Pressure resistance	31.0 MPa {316 kgf/cm ² }		
Seal material	Seal material	Mark	Working temperature range
Working temperature range	Nitrile rubber	NBR (SG)	-5°C~+80°C

Fluid flow direction

Fluid flows in either direction from plug or socket.

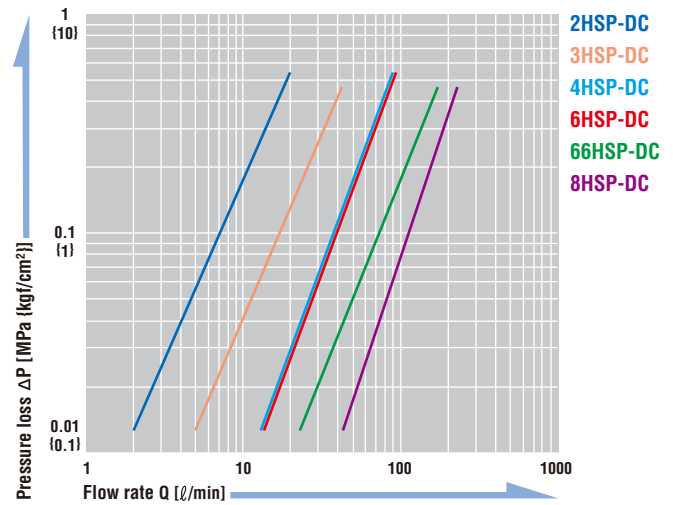


Applications

Piping for die casting machines, casting machines, electric furnaces, molding presses, forging presses, powdery alloy presses, extrusion molding machines, machine tools, iron manufacturing blast furnaces, continuous casting machines, rolling mills, pipe forging machines, furnace opening / closing machines, glass molding machines, etc.

Flow Rate - Pressure Loss Characteristics

[Test conditions] ● Fluid : Hydraulic Oil
● Temperature : 30°C ±5°C
Kinematic viscosity : 46 x 10⁻⁶ m²/s
Specific gravity : 0.8661 x 10³ kg/m³



★ Specifications and designs are subject to change at any time without notice.



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