

For Heat Transfer Oil

HCF Cupla

Piping for heat transfer oil

Working pressure



Valve structure



Applicable fluids



Designed for heat transfer oil lines in die casting equipment, best with those features such as heat-resistance of up to 280°C and “airless valve shut-off”. Flat contact face design on both plug and socket prevents oil spillage.

- Both socket and plug have built-in automatic shut-off valves to minimize fluid spill out when disconnected.
- Push-to-connect type!
- Special PTFE seal prevents leakage even at high temperature.
- Special surface treatment prevents dried oil deposits on the surface.
- Optional accessories exclusively for HCF Cupla are available.

Specifications			
Body material	Steel (with special surface treatment)		
Size	1/2" • 3/4"		
Working pressure MPa (kgf/cm ²)	1.5 (15)		
Pressure resistance MPa (kgf/cm ²)	2.0 (21)		
Seal material	Seal material	Mark	Working temperature range
Working temperature range	Fluoro-resin	PTFE (TF)	+10°C~+280°C

Max. Tightening Torque		N-m (kgf-cm)
Size	1/2"	3/4"
Torque	60 (612)	90 (918)

Flow Direction

Fluid may flow in either direction from plug or from socket side when coupled.

Interchangeability
HCF-4SP and HCF-6SP are interchangeable.

Min. Cross-Sectional Area		(mm ²)
Model	HCF-4SP	HCF-6SP
Min. Cross-Sectional Area	61.7	61.7

Suitability for Vacuum
Not suitable for vacuum application in either connected or disconnected condition.

Admixture of air on connection		(mℓ)
Model	HCF-4SP	HCF-6SP
Volume of spillage	0.15	0.15

Flow Rate – Pressure Loss Characteristics
[Test conditions] • Fluid : Hydraulic oil • Temperature : 30°C ± 5°C
• Fluid viscosity : 32 x 10⁻⁶m²/s • Density : 0.87 x 10³kg/m³

