






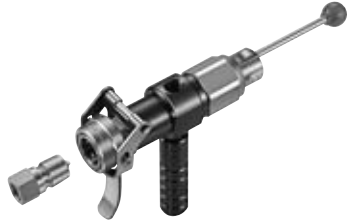


Charge Cupla CS Type

For various industrial gases

Working pressure	Valve structure	Applicable fluids				
 3.0 MPa (31 kgf/cm ²)	 Two-way shut-off	 Inert gas vacuum	 Gas	 Air	 Water	 Hydraulic oil

- Cupla for charging refrigerant gas, exhausting air to attain vacuum or removing residual pressure.
- Connects/disconnects even under residual pressure, lever action opens/closes valves.
- Accepts SP-V Cupla plug of either 1/4" or 3/8".



Application example



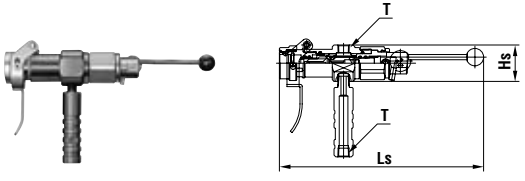
Specifications

Body material	Stainless steel (Partly aluminum and brass)			
Size	1/4" • 3/8"			
Working pressure MPa (kgf/cm²)	3.0 (31)			
Pressure resistance MPa (kgf/cm²)	3.6 (37)			
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks
	Chloroprene rubber	CR (C308)	-20°C~+80°C	Available on request
	Hydrogenated nitrile rubber	HNBR (H708)	-20°C~+120°C	Available on request

Models and Dimensions

WAF : WAF stands for width across flats.

Socket CS type (Female thread)










Model	Application	Dimensions (mm)		
		Ls	øHs	T
CS-2S-V	For connection to plug 2P-V	232.5	42	Rc 1/4
CS-3S-V	For connection to plug 3P-V	235.5	42	Rc 1/4

Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.

Charge Cupla CNR Type

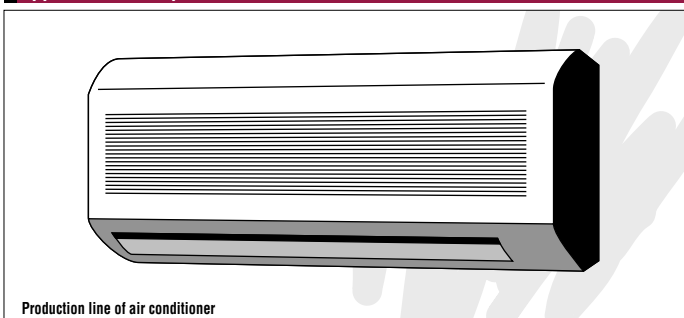
For various industrial gases

Working pressure	Valve structure	Applicable fluids				
 4.5 MPa (46 kgf/cm ²)	 Two-way shut-off	 Inert gas vacuum	 Gas	 Air	 Water	 Hydraulic oil

- Cupla for charging refrigerant gas, exhausting air to attain vacuum or removing residual pressure.
- Connects/disconnects even under residual pressure, lever action opens/closes valves.
- Accepts SP-V Cupla 3/8" and 1/2" plugs.



Application example



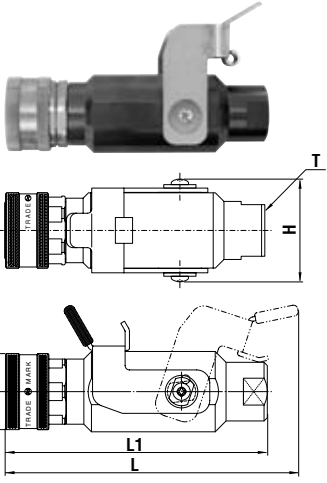
Specifications

Body material	Stainless steel (Partly aluminum and brass)			
Size	3/8" • 1/2"			
Working pressure MPa (kgf/cm²)	4.5 (46)			
Pressure resistance MPa (kgf/cm²)	5.0 (51)			
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks
	Chloroprene rubber	CR (C308)	-20°C~+80°C	Available on request
	Hydrogenated nitrile rubber	HNBR (H708)	-20°C~+120°C	Available on request

Models and Dimensions

WAF : WAF stands for width across flats.

Socket CNR type (Female thread)



Model	Application	Dimensions (mm)				
		L	øD	L1	H	T
CNR-3S	For connection to plug 3P-V	135	35	121	48	Rc 3/8
CNR-4S	For connection to plug 4P-V	161	45	145	54	Rc 1/2

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