









Guide for Selecting "NITTO" Standard Cuplas

This chart will let you quickly select an appropriate Cupla for your application. For technical data, please refer to the detailed information pages of each Cupla, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Oxygen / Fuel Gas		For Inert Gas, Vacuum		For Gases and Liquids			
Name		Mini Cupla	Mini Cupla Super	SP-V Cupla	PCV Pipe Cupla	SP Cupla Type A	SP Cupla	HCF Cupla	TSP Cupla
Photo									
Body material • Working pressure (MPa)	Brass	0.7	0.7	5.0, 3.0	4.5	5.0,3.0,2.0,1.5	5.0,3.0,2.0,1.5		5.0,3.0,2.0,1.5
	Stainless steel			7.5, 4.5		7.5,4.5,3.0,2.0	7.5,4.5,3.0,2.0		7.5,4.5,3.0,2.0
	Steel		0.7			7.5,4.5,3.0,2.0	7.5,4.5,3.0,2.0	1.5	7.5,4.5,3.0,2.0
	Plastic								
	Others								
Body surface treatment		—	Chrome-plated	—	—	Nickel-plated (steel only)	Nickel-plated (steel only)	Special	Nickel-plated (steel only)
Size	1/8"					○	○		○
	1/4"	○	○	○		○	○		○
	5/16"	○	○						
	3/8"	○	○	○		○	○		○
	1/2"			○		○	○	○	○
	3/4"			○		○	○	○	○
	1"					○	○		○
	1 1/4"					○	○		○
	1 1/2"					○	○		○
	2"					○	○		○
	2 1/2"								
	3"								
	4"								
Others	○	○		○					
Working temperature range		-20°C~+80°C (NBR)	-20°C~+80°C (NBR)	-20°C~+80°C (CR)	-20°C~+80°C (CR)	-20°C~+80°C (NBR)	-20°C~+80°C (NBR)	+10°C~+280°C (PTFE)	-20°C~+80°C (NBR)
Seal material		NBR	NBR	CR, FKM, HNBR	CR, FKM, HNBR	NBR, FKM, P, EPDM	NBR, FKM, P, EPDM	PTFE	NBR, FKM, P, EPDM
Connection method	Manual			○		○	○		○
	Push-to-connect	○	○					○	
Valve Structure	Two-way shut-off			○		○	○	○	
	Two-way shut-off (Non-Spill)								
	One-way shut-off	○	○						
	Straight through								○
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