For Low Pressure

Mini Cupla Super

Heavy-duty push-to-connect type for oxyacetylene piping



Exclusively for welding and cutting equipment.

- · From cylinders to torches, all piping connections associated with welding and cutting equipment are push-to-connect operations.
- Plated body for better corrosion resistance.
- Heat-treated plugs for better durability.
- Oxygen and fuel gas Cuplas have different configuration sizes with sleeves in different appearances, silver colored plating for oxygen and copper colored plating for fuel gas, to prevent accidental interconnection.
- Smaller diameter design enables wider range of applications.
- Various types of end configurations have been standardized to comply with a wide range of welding and cutting equipment applications. Sockets themselves or pluas

themselves are interchangeable with Mini Cupla's counterparts.

> Different Cupla sizes prevent accidental interconnection of oxygen and fuel gas

> > Can be connected with Mini Cupla

Heat-treated steel plugs for increased durability

Push-to-connect operation (Built-in automatic shut-off valve in socket)

Plated body for better corrosion resistance

Wide variety of end configurations

Structure and Principle of Backflow Prevention

Plug with backflow stop valve Plugs with backflow stop valve in Mini Cupla Super are designed exclusively for gas welding/ cutting to prevent occurrence of gas mixing. Possible backflow of gas during operation can be stopped by cutting the back flow into the cylinder or line. Under Such valve is adopted in both fuel gas and oxygen plug. Cross-section sketch showing the structure

ليتا Backflow stop valve



Specifications							
Body material			Socket : Brass (Plated) Plug : Steel (Plated)				
Size		1/4", 3/8", M16					
Hose barb 1/4", 5			1/4", 5/16", 3	', 3/8" / 5 mm ID			
Working pressure MPa kgt/cm ² bar PSI		0.7					
		kgf/cm²	7				
		bar	7				
		102					
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks		
		Nitrile rubber	NBR (SG)	-20°C to +80°C	Standard material		

Max. Tightening Torque Nm {kgf•cm}						
Model	S22PF, S22SF, S33PF, S33SF	S22SM	S33SM			
Torque	12 {122}	9 {92}	11 {112}			

Flow Direction



Interchangeability

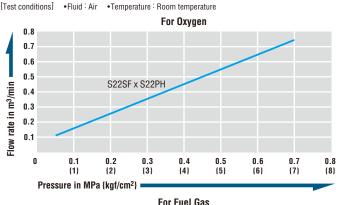
To prevent accidental interconnection, no Cuplas for oxygen can be connected with those for fuel gas Cuplas. However, oxygen plugs and sockets are interchangeable regardless of end configurations and fuel gas plugs and sockets are interchangeable regardless of end configurations Also Mini Cupla Super models for oxygen are interchangeable with Mini Cupla models for oxygen, while fuel gas models are interchangeable.

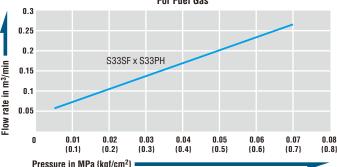
Min. Cross-Sectional Area (mm ²									
For Oxygen									
Socket	S22PH	\$225PH	\$22PF	S22PN					
S22SH	15.9	7.5	15.9	15.9					
\$225SH	7.5	7.5	7.5	7.5					
\$22\$F	15.9	7.5	15.9	15.9					
S22SM	15.9	7.5	15.9	15.9					
S22SN	15.9	7.5	15.9	15.9					
For Fuel Gas	For Fuel Gas								
Socket	S33PH	\$335PH	\$33PF	S33PN					
S33SH	28.2	7.5	28.2	15.9					
\$335SH	7.5	7.5	7.5	7.5					
\$33\$F	28.2	7.5	28.2	15.9					
S33SM	28.2	7.5	28.2	15.9					
S33SN	15.9	7.5	15.9	15.9					

Suitability for Vacuum

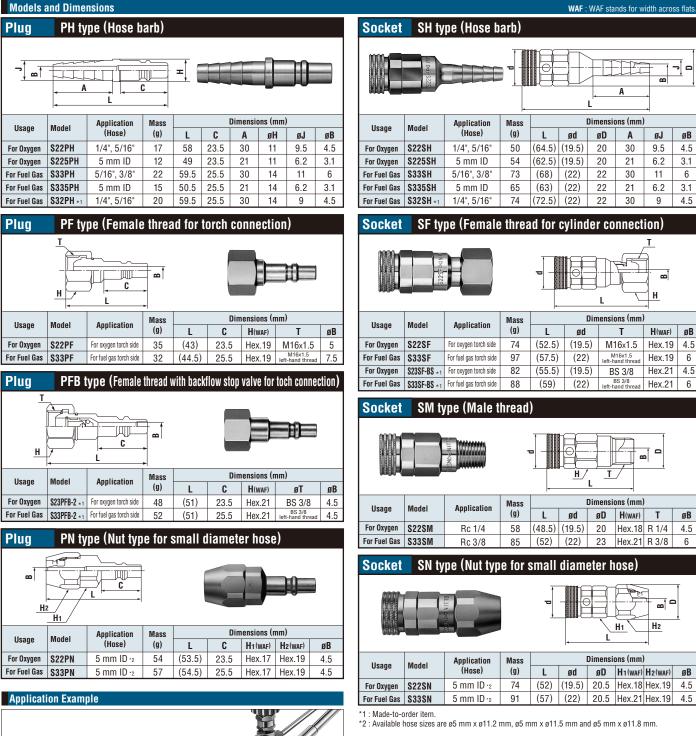
Not suitable for vacuum application in either connected or disconnected condition.

Pressure - Flow Characteristics





Mini Cupla Super





Select the combination in accordance with your own application. Male thread For regulator For extension hose Ear torch Æ 026 Suggested combination Suggested combination Suggested combination Suggested combination SM × PH SF X PH SH x PH SH x PF

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