

For Oxygen / Fuel Gas

Mini Cupla Super

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

Working pressure



0.7 MPa
(7 kgf/cm²)

Valve structure

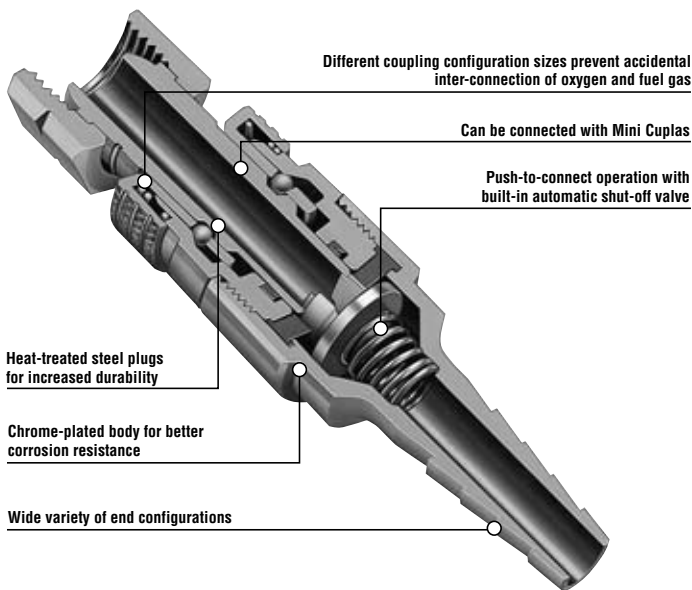


One-way shut-off

Applicable fluids



Oxygen, Fuel Gas



Exclusively for welding and cutting equipment.

- From cylinders to torches, all piping connections associated with welding and cutting equipment are now in push-to-connect configurations.
- Chrome-plated body for better corrosion resistance.
- Heat-treated plugs for better durability.
- Oxygen and fuel gas couplings have different configuration sizes with sleeves in different appearances, chrome plating for oxygen and copper 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. Interchangeable with Mini Cupla.

Specifications

Body material	Socket : Brass (chrome-plated) Plug : Steel (chrome-plated)			
Size	1/4" • 5/16" • 3/8"			
Working pressure MPa (kgf/cm ²)	0.7 {7}			
Pressure resistance MPa (kgf/cm ²)	1.0 {10}			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	-20°C~+80°C	Standard material

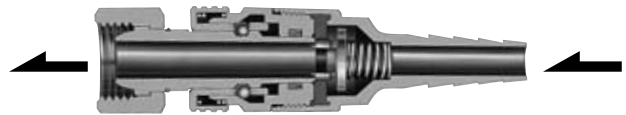
Max. Tightening Torque

N·m {kgf·cm}

Model	S22PF • S22SF • S33PF • S33SF	S22SM	S33SM
Torque	12 {122}	9 {92}	11 {112}

Flow Direction

Fluid must run from socket to plug.



Interchangeability

To prevent accidental interconnection, no Cuplas for oxygen (1/4" and 5/16") can be connected with those for fuel gas Cuplas (5/16" and 3/8"). However, oxygen plugs and sockets are interchangeable and fuel gas plugs and sockets are interchangeable.

*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

(mm²)

Model	S22SP	S33SP
Min. Cross-Sectional Area	16	28

Suitability for Vacuum

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

Pressure - Flow Characteristics

[Test conditions] • Fluid : Air • Temperature : Room temperature

