

## **Exclusively for oxyacetylene equipment.** Many variations with higher flow rates!

- From cylinders to torches, all piping connections associated with welding and cutting equipment are push-to-connect operations.
- Double-lip seal prevents minor leak during connection. Oxygen and fuel gas CUPLA have different sizes to prevent accidental interconnection.
- · Pressure loss is minimized to achieve higher flow rate.
- · Various types of end configurations have been standardized to comply with a wide range of welding and cutting equipment applications. Sockets

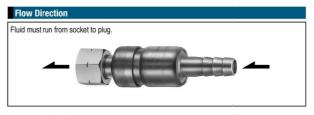


# Structure and Principle of Backflow Prevention Plug with backflow stop valve Plugs with backflow stop valve in MINI CUPLA are designed exclusively for gas welding/cutting to prevent occurrence of gas mixing. Possible backflow of gas during operation can be stopped by cutting the back flow into the cylinder or line. Such valve is adopted in both fuel gas and oxygen plug. Under gas supply Wedinocc.



Body material		Brass						
Size	Thread	1/8", 1/4", 3/8" / M16, W12.5-20						
	Hose barb	1/4", 5/16", 3/8"						
Pressure unit		MPa	kgf/cm <sup>2</sup>	bar	PSI			
Working pressure		0.7	7	7	102			
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks			
		Nitrile rubber	NBR (SG)	-20°C to +80°C	Standard materia			

Maximum Tightening Torque Nm {kgi				
Model	22PF, 22PFB, 22SF, 25PF, 33PF, 33PFB, 33SF	22SM	33SM	
Torque	12 {122}	9 {9:2}	11 {112}	



To prevent accidental connection, CUPLA for oxygen are not interchangeable with CUPLA for fuel gas. However, plugs and sockets for oxygen are interchangeable regardless of end configurations and plugs and sockets for fuel gas are interchangeable regardless of end configurations.

\*Interchangeable with MINI CUPLA SUPER.

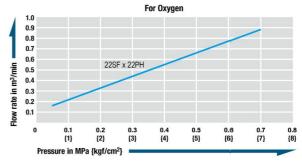
Minimum Cross-Sectional Area									(mm²)		
For Oxygen											
Socket Plug	22PH	25PH	22PF	22PFF	25PF	22PHB	25PHB	22PFB	21PMT	22PMT	
22SH	19.6	19.6	19.6	19.6	19.6	15.9	15.9	15.9	19.6	19.6	
25SH	19.6	19.6	19.6	19.6	19.6	15.9	15.9	15.9	19.6	19.6	
22SF	19.6	19.6	19.6	19.6	19.6	15.9	15.9	15.9	19.6	19.6	
22SM	19.6	19.6	19.6	19.6	19.6	15.9	15.9	15.9	19.6	19.6	

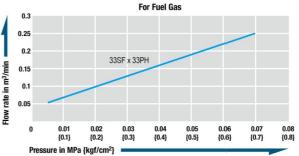
For Fuel Gas								
Socket Plug	33PH	35PH	33PF	ззрнв	35РНВ	33PFB		
33SH	44.1	28.2	44.1	15.9	15.9	15.9		
35SH	28.2	28.2	28.2	15.9	15.9	15.9		
33SF	19.6	19.6	19.6	15.9	15.9	15.9		
33SM	44.1	28.2	44.1	15.9	15.9	15.9		

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

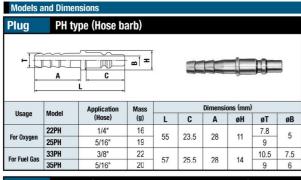
### **Pressure - Flow Characteristics**

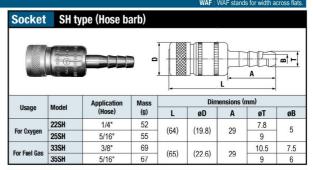
[Test conditions] •Fluid : Air •Temperature : Room temperature

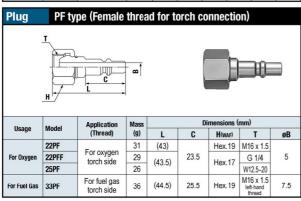


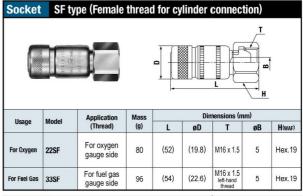


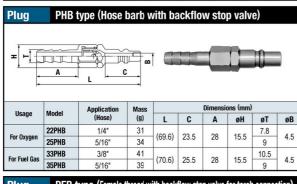


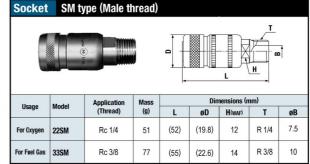


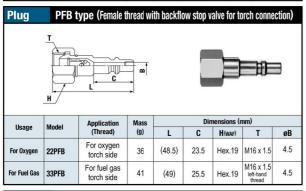


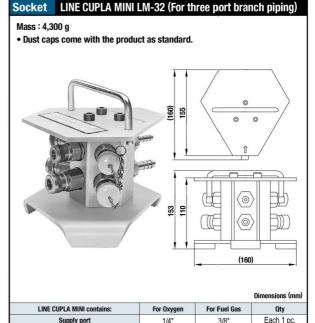


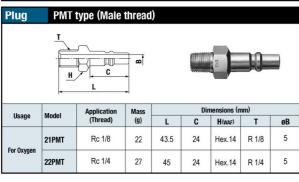












Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.

22SM

22PHB

Gas outlets

ories (Plug with backflow stop valve)



Each 3 pc.

Each 3 pc.

33SM

33РНВ