

# SENTINEL SAFETY-Z


## Quick Release Connectors



### Quick Releasing, Reverse Flow Prevention Valves

The Sentinel Safety-Z uses a unique reverse disconnect feature that will not come apart with a straight pull. This feature prevents accidental release of the coupler even when pulled over the edges of steel plates. The Sentinel Safety-Z is designed for heavy use such as shipbuilding, steel service centers, construction, metal fabrication, educational institutes and demolition.

### Features & Benefits

- **Excellent Reverse - Flow Prevention**  
High quality reverse - flow valve helps to prevent the possibility of gases mixing; when a backfire occurs it shuts off pressure to the torch.
- **Reverse Disconnect**  
Prevents coupler from accidentally releasing. Will not come apart with a straight pull as required by OSHA Standard No. 1915.55 (F) (5).
- **Safer Plugs and Sockets**  
Each connector is color coded for quick connections to oxygen and fuel lines, while the specially designed fittings prevent reversing the gas lines during setup.
- **Three Models**  
Torch to hose, regulator to hose and hose to hose.
- **Chrome Plated Finish**  
Durable chrome plating provides corrosion resistance and ensures smooth coupling.
- **Tight Sealing**  
Two unique seal packings provided between plug and socket assures tight sealing.
- **UL Listed** 

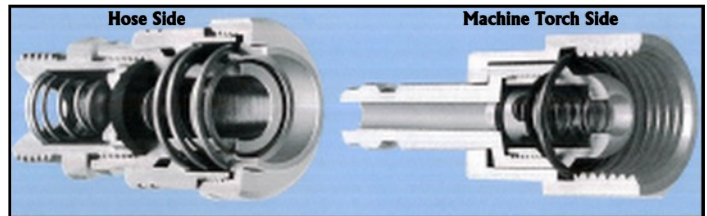


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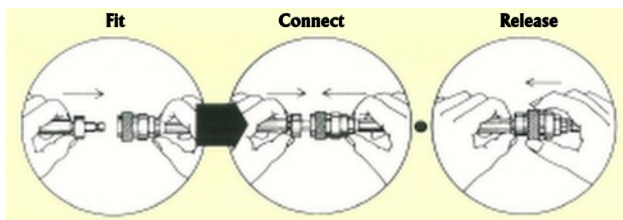
MODEL DESCRIPTIONS	
Z-Pack Safety Z Set Complete (WZO and WZG set)	ZA3232000
WZO Double Pack ZOSP 1 & ZOSP 2 (torch to hose set)	ZA3232260
WZG Double Pack ZGSP 1 & ZGSP 2 (regulator to hose set)	ZA3232220
WZA Double Pack ZASP 1 & ZASP 2 (hose to hose set)	ZA3232240
ZGSP 1 #7 Socket & #13 Plug (regulator to hose oxy set)	ZA3232020
ZGSP 2 #8 Socket & #14 Plug (regulator to hose fuel set)	ZA3232040
ZOSP 1 #1 Socket & #18 Plug (torch to hose oxy set)	ZA3232060
ZOSP 2 #2 Socket & #19 Plug (torch to hose fuel set)	ZA3232080
ZASP 1 #1 Socket & #13 Plug (hose to hose oxy set)	ZA3232030
ZASP 2 #2 Socket & #14 Plug (hose to hose fuel set)	ZA3232050
AS 1 #1 Socket (hose side oxy socket only)	ZA3232061
AS 2 #2 Socket (hose side fuel socket only)	ZA3232081
GS 1 #7 Socket (regulator side oxy socket only)	ZA3232021
GS 2 #8 Socket (regulator side fuel socket only)	ZA3232041
ZAP 1 #13 Plug (hose side oxy plug only)	ZA3232022
ZAP 2 #14 Plug (hose side fuel plug only)	ZA3232042
ZOP 1 #18 Plug (torch side oxy plug only)	ZA3232062
ZOP 2 #19 Plug (torch side fuel plug only)	ZA3232082
AS 1L #1 Locking Socket (hose side oxy socket only)	ZA3232161
AS 2L #2 Locking Socket (hose side fuel socket only)	ZA3232181

## SPECIFICATIONS

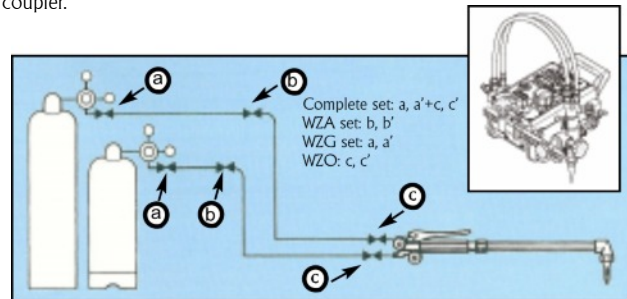
Maximum Working Pressure Oxygen Fuel	142 lb/in <sup>2</sup> (9.8 bar) 28 lb/in <sup>2</sup> (1.9 bar)
Check Valve Working Pressure	0.2 lb/in <sup>2</sup> (0.014 bar)
Endurance Test	30,000 cycles



The high quality reverse - flow valve helps to prevent the possibility of gases mixing. When a backfire occurs it shuts off pressure to the torch.



The Sentinel Safety-Z releases the connector using a unique reverse disconnect. This safety feature helps to prevent accidentally release of the coupler.



For Oxygen		For Fuel Gas	
Socket for Regulator	Socket for Connecting Hose	Socket for Regulator	Socket for Connecting Hose
<b>GS-1</b> Thread Size: US9/16-18UNF (R.H.T)	<b>AS-1</b> Thread Size: US9/16-18UNF (R.H.T)	<b>GS-2</b> Thread Size: US9/16-18UNF (L.H.T)	<b>AS-2</b> Thread Size: US9/16-18UNF (L.H.T)
Plug for Connecting Hose		Plug for Machine or Torch	
<b>ZAP-1</b> Thread Size: US9/16-18UNF (R.H.T)	<b>ZOP-1</b> Thread Size: US9/16-18UNF (R.H.T)	<b>ZAP-2</b> Thread Size: US9/16-18UNF (L.H.T)	<b>ZOP-2</b> Thread Size: US9/16-18UNF (L.H.T)

Note: This product is in compliance with OSHA Standard No. 1915.55 (F) (5)



Koike Techno Center Products

**Koike Aronson Inc.**

P.O. Box 307, Arcade, New York 14009  
Phone (585) 492-2400 Fax (585) 457-3517  
**www.koike.com**

ISO 9001:2008

**BUREAU VERITAS**  
Certification



**SENTINEL SAFETY-Z 08/15 KENG**