KOIKE ARONSON, INC. / RANSOME

**SENTINEL SAFETY-Z**

Quick Release Connectors

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**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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The Sentinel Safety-Z uses a unique reverse disconnect feature that will not come a part 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.

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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

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Working Pressure</strong></td>
<td></td>
</tr>
<tr>
<td>Oxygen</td>
<td>142 lb/in² (9.8 bar)</td>
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<tr>
<td>Fuel</td>
<td>28 lb/in² (1.9 bar)</td>
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<tr>
<td><strong>Check Valve Working Pressure</strong></td>
<td>0.2 lb/in² (0.014 bar)</td>
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<tr>
<td><strong>Endurance Test</strong></td>
<td>30,000 cycles</td>
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</tbody>
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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.

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**For Oxygen**

<table>
<thead>
<tr>
<th>Socket for Regulator</th>
<th>Socket for Connecting Hose</th>
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<tbody>
<tr>
<td>GS-1</td>
<td>AS-1</td>
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</table>

**For Fuel Gas**

<table>
<thead>
<tr>
<th>Socket for Regulator</th>
<th>Socket for Connecting Hose</th>
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</thead>
<tbody>
<tr>
<td>GS-2</td>
<td>AS-2</td>
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</table>

**Thread Size:**

- GS-1: #1/4-20UNF (R.H.T)
- AS-1: #1/4-20UNF (L.H.T)
- GS-2: #1/4-20UNF (L.H.T)
- AS-2: #1/4-20UNF (L.H.T)

**Plug for Connecting Hose:**

- ZAP-1: #1/4-20UNF (L.H.T)
- ZOP-1: #1/4-20UNF (L.H.T)
- ZAP-2: #1/4-20UNF (L.H.T)
- ZOP-2: #1/4-20UNF (L.H.T)

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