



TECHNICAL DATA

OXEO PILOT LINE PRESSURE RELIEF DEVICES AND FITTINGS

The Viking Corporation | 210 N Industrial Park Drive | Hastings MI 49058

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The technical data described herein is for components of the Viking Oxexo PR Fire Extinguishing Systems.

Visit the Viking website for the latest edition of the technical data and system manuals.

1. DESCRIPTION

The Oxexo pilot line pressure relief devices are used in accordance with the project specific system schema in fixed fire extinguishing systems. The safety device malfunction pressure relief assemblies (part numbers 24498 and 24499) release small amounts of leakage from pneumatic pilot lines and close automatically when subjected to higher pressures. The devices are intended only for releasing small amounts of pressure. Installation of the devices near any sources of potential leakage (e.g. a pilot gas tank) is recommended.

The manual selector valve assembly (24499) includes an optional* release device that is used to manually vent pilot lines.

*24499 may be a required assembly component in certain jurisdictions. Refer to the Authority Having Jurisdiction for more information.

2. LISTINGS AND APPROVALS



cULus Listed - EX5248 (Oxexo PR LCP, and VSH1230)



FM Approved: Oxexo PR LCP and VSH1230

3. TECHNICAL DATA

Specifications

Operating medium: Argon (IG-01) and Nitrogen (IG-100)

Working pressure: 5294 psi (365 bar)

Temperature range: -4 °F to 122 °F (-20 °C to +50 °C)

Connection DN4: 6 x 1 pipe

Device Orientation: vertical (see figure 2)

Material Standards

Housing: brass / steel

Gasket: NBR

Ball: 1.4301

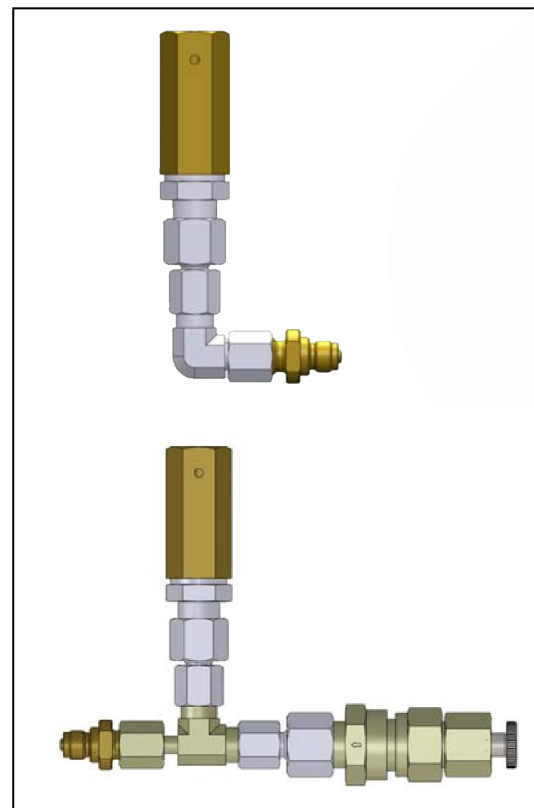
Connection accessories*:

- Adapter; male 1/2 BSPP stud x 6 mm drawn tubing (M12 x 1.5)
- Adapter; female 6 mm drawn tubing (M12 x 1.5) x Female 6 mm drawn tubing (M14 x 1.5)
- Tee fitting; male 6 mm x female 6 mm x male 6 mm
- Tee fitting; male 6 mm x male 6 mm x female 6 mm

*All connection components comprised of zinc-plated steel (CrVI-free) per DIN ISO 8434-1 and DIN ISO 3859-1

4. INSTALLATION

The safety device malfunction pressure SFD 300 must be installed into the pilot lines in an upright position. The Oxexo system will be unable to pressurize or release any agent while the manual release device is being held open.



Designation	Part no.	Weight
Pressure Relief SFD300 assembly	24498	0.303 lbs (0.14 kg)
Manual selector valve assembly	24499	0.759 lbs (0.34 kg)



WARNING: Cancer and Reproductive Harm-
www.P65Warnings.ca.gov

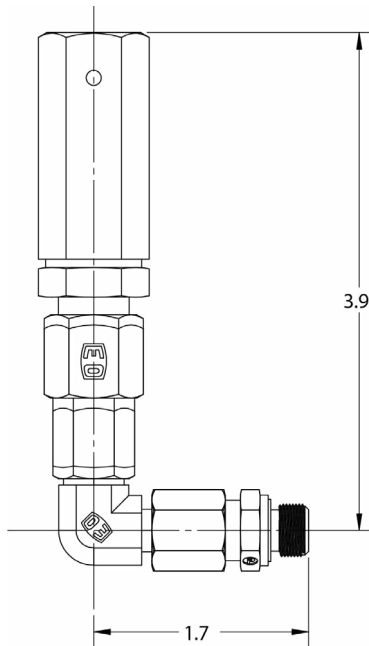


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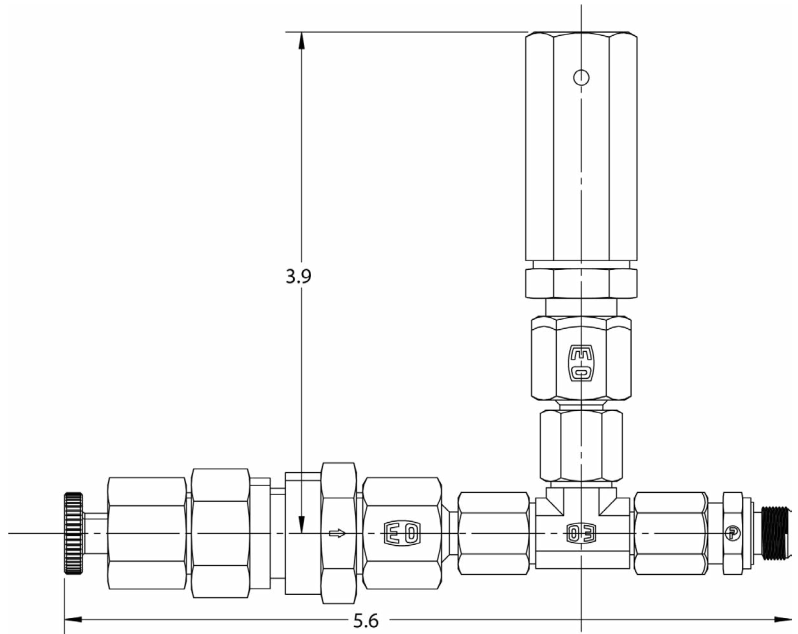
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Figure 1: Assembly Dimensions



**Connection Pressure Relief SFD300
(part no. 24498)**



**Connection Pressure Relief SFD300
with Manual Selector Valve
(part no. 24499)**



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Figure 2: Assembled Pilot Line Reliefs

