



TECHNICAL DATA

OXEO BLOCKING DEVICE

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

Viking Special Hazards | Technical Services: 877-384-5464 | Email: techsvcs@vikingcorp.com | www.vikinggroupinc.com

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

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

1. DESCRIPTION

The Oxeo blocking device is designed for use in inert gas fire extinguishing systems. The shut-off valve is used for flow control with electrical monitoring of the flow condition.

Flow states can be:

- Closed = no flow
- Opened = flow possible

The monitoring system checks whether the ball valve is in the fully closed or in the fully open position. The ball valve is opened or closed by turning the handle 90 degrees. The switch plate actuates the corresponding limit switch. The switch plate is marked with "Closed" or "Open." The switch plate and holder are provided with holes to allow the ball valve to be locked in its respective end position by means of a U-lock. On the side of the ball valve there is an arrow indicating the flow direction.

2. LISTINGS AND APPROVALS



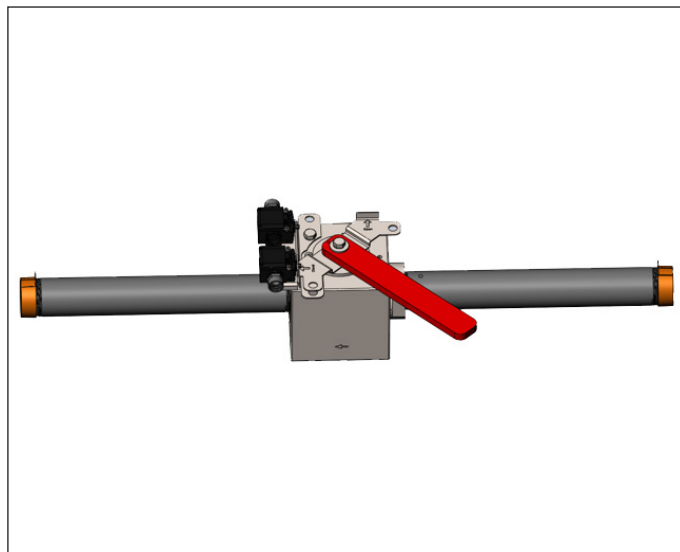
cULus Listed - EX5248 (Oxeo PR LCP)



FM Approved: Oxeo PR LCP



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



Designation	Weight	Part no.
Blocking device	70.6 lbs (32 kg)	24768

3. TECHNICAL DATA

3.1 - Specifications and Ratings

Parameter	Value
Operating medium	Argon
	Nitrogen
Working pressure	5294 psi (365 bar)
Test pressure	7948 psi (548 bar)
Temperature range	-22 °F to 176 °F (-30 °C to +80 °C)
Ball valve (body/spigot/cover) material	S355J2M according to EN10025
Pipe nipple material	Steel, galvanized
Limit switch (part no. 930351)	
Type	PS226-Z11-S200; Actuator type B according to DIN EN 50047 (pressure bolt S200)
Housing	Glass-fiber reinforced thermoplastic, self-extinguishing
Switching system	Snap-action switching with positive break NC contact
Contacts	1 NC contact, 1 NO contact on each switch
Contact material	Silver



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Rated insulation voltage U_i	300 V
Rated impulse withstand voltage U_{imp}	4 kV
Continuous current I_{th}	10 A
Rated operating current/voltage I_e/U_e	3 A (240 VAC)
Positive opening force	min. 40 N
Mechanical Life	10×10^6 operations
Actuating speed	max. 0.5 m/s; min 10 mm/min
Switching frequency	max. 5000/h
Protection class	IP66, IP67
Lateral cable routing	2 x 1/2" NPT - all conduit
Connection cross-section	min. 0.75 mm ² (including wire end ferrule); max. 2.5 mm ² (including wire end sleeve)

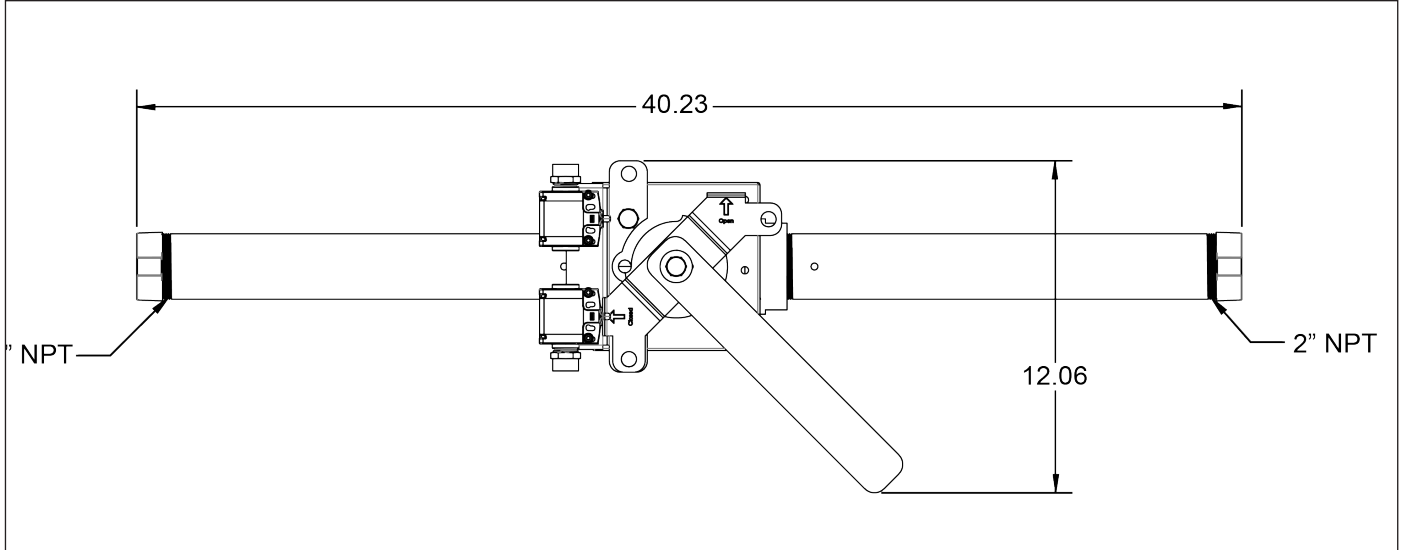


Figure 1: Dimensions - Inches (mm)