



TECHNICAL DATA

OXEO PNEUMATIC TIME DELAY

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 pneumatic time delay is for use in the Oxexo inert gas fire extinguishing system. The time delay is used to delay the discharge of the extinguishing agent in the event of a fire and create a window for egress from the affected zone. The time delay unit is always used when the employers' liability insurance association demands a safe delay of the control gas for reason of personal safety.

The time delay unit mainly consists of a 3/2-way piston slide valve with a G1/8 internal thread for the pneumatic connections. The time delay can be set between 10 and 60 seconds using a hexagon socket wrench.

In stand-by mode, the input is disabled and the output is vented, no pressure build-up can occur on the cylinder side. After triggering, the pressure chamber is filled via an internal channel with pilot control gas. After the delay time is reached, the piston slide is actuated and the inlet pressure is applied to the outlet. The pneumatic time delay valve closes automatically when the inlet pressure drops.

NOTE: All pneumatic controls must be tested with shop air pressure prior to system commissioning. Use the pneumatic test kit (Figure 2) to convert the pilot lines to 1/4" NPT. Ensure the time delay is installed in the proper position.



2. LISTINGS AND APPROVALS



cULus Listed - EX5248 (Oxexo PR CF)



FM Approved: Oxexo PR CF

Designation	Part no.	Weight
Pneumatic time delay u*	926815	1.5 lbs (0.66 kg)
Pneumatic test kit	25761	--

* 'u' designates approved universal use in the Americas.



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



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3. TECHNICAL DATA

3.1 - Specifications and Ratings	
Parameter	Value
Type	Pneumatic time delay
Valve type	3/2-way piston slide valve, operated with signal connection
Operating medium	Argon
	Nitrogen
Working pressure	10 bar (145 psi)
Time delay	
Factory adjustment	30 seconds, secured with sealing wax
Setting range*	10 seconds to 60 seconds
	Time settings made at 7.5 bar
Flow rate	21.19 cfm (600 L/min)
Temperature range	32 °F to 122 °F (0 °C to +50 °C)
Connection Pneumatic	2x internal thread G 1/8
	Push-in fitting for pneumatic pilot hose PTS-10
Installation	Wall installation
Installation position	See operating instructions
Time delay unit	Complies with EN 12094-2
*In the event of changes to the factory adjustment, the new delay time must be entered smudge-proof on the housing and the sealing wax must be renewed.	



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Units:
Inches (mm)

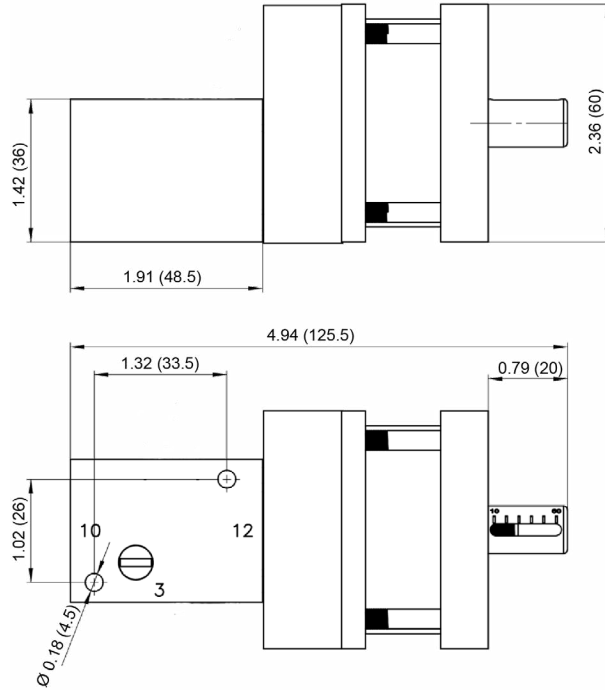


Figure 1: Dimensions



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Figure 2: Pneumatic test kit