

Monitors

Warden 3074 Manual Monitor



FIRE ENGINEERING
Pty Limited



Description

The Warden 3074 is an 80mm manual monitor made from cast bronze (LG2, C83600). The monitor hand wheel operated. The hand wheels lock the monitor in position when not in use.

Specifications

Maximum Recommended Flow:	4,500 lpm
Horizontal Rotation:	360°
Vertical Movement:	-60° + 90°
Inlet Connection:	100mm Class 150 FF Flanged
Outlet Connection:	80mm BSP Male
Weight (approx):	25 kg

Design Features

To ensure maximum monitor availability for many years this monitor incorporates some key design features:

- Fully enclosed swivels
- Metal balls for swivel races
- All external parts are bronze, brass or stainless steel. No external aluminium or steel components are used, thus minimising any possible corrosion problems.
- Removable nozzle.

ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900

FAX (61) 2 8783 5400

Visit our Website www.orionfire.com.au

Email: sales@orion-fire.com.au

Essential to all Orion monitor designs is a clean waterway with no obstructions. This keeps friction losses low as well as minimizes the risk of blockages and having a removable nozzle facilitates rapid clearing of obstructions.

Materials of Construction

Waterway:	Bronze (C83600) or Aluminium Bronze (C95800)
Swivels:	Bronze (C83600) or Aluminium Bronze (C95800)
Inlet Flange:	Bronze (C83600) or Aluminium Bronze (C95800)
Balls:	Brass
Grease Nipples:	316 Stainless Steel
Fasteners:	316 Stainless Steel

Operation

The monitor swivel locks are loosened allowing the monitor to be directed in the desired direction. The swivel locks can be re-engaged to leave the monitor in one position.

The standard monitor has a design pressure of 16 Bar. With Class 300 flanges the maximum working pressure is 20 Bar.

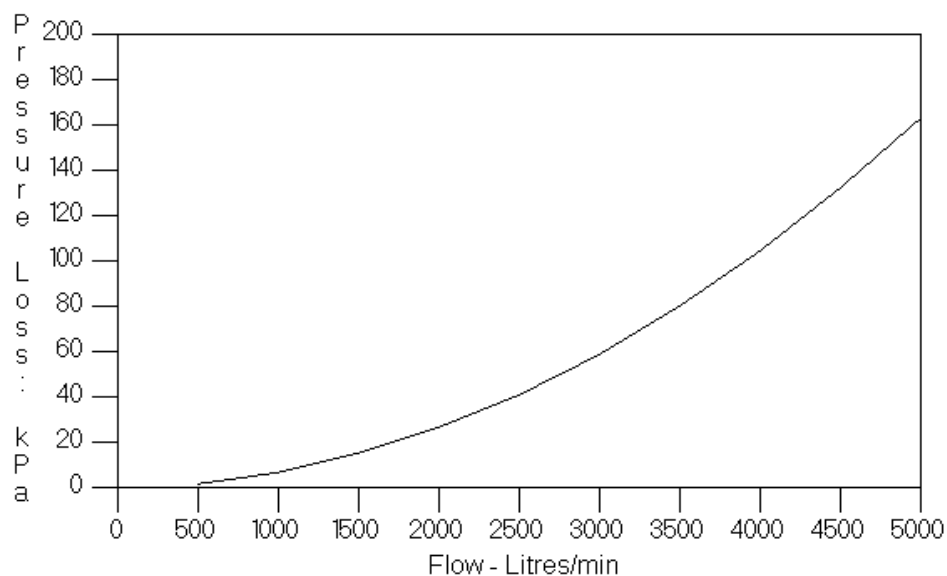
Connections

Inlet: 100mm ASME CI150 flat-face flange bronze flange

Outlet: 80mm BSP

Performance Data

Friction Loss Curve



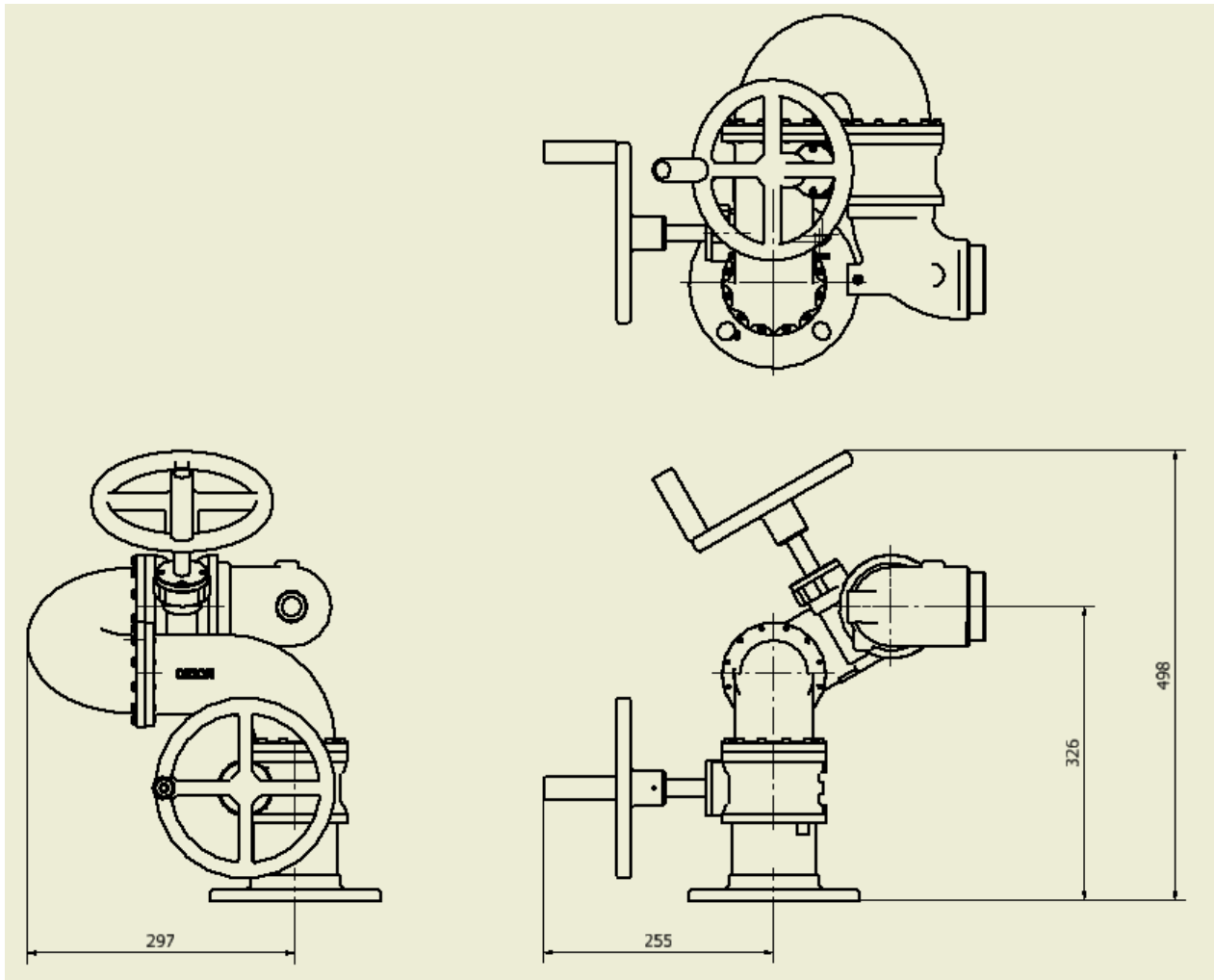
ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900 FAX (61) 2 8783 5400

Visit our Website www.orionfire.com.au Email: sales@orion-fire.com.au



Part Numbers

Description	Part Number	
Warden 3074 with 100mm FF Cl 150 ASME	13670	15478

Options

These monitors can also be manufactured in a range of alternative bronze alloys including nickel aluminium bronze.

A range of marine paint finishes are available.

ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900 FAX (61) 2 8783 5400

Visit our Website www.orionfire.com.au Email: sales@orion-fire.com.au