

# Monitors

## Warden 3273 Hydraulic Monitor



### Description

The Warden 3273 is an 80mm remote controlled monitor made from cast bronze (LG2, C83600 and AB2 C95810). The monitor is hydraulically powered and is capable of continuous 360 degree rotation.

### Specifications

Maximum Recommended Flow:	4,500 lpm
Horizontal Rotation:	360° Continuous
Vertical Movement:	-85° + 90°
Inlet Connection:	Flanged
Outlet Connection:	65mm BSP Male
Weight (approx):	28 kg

**ORION FIRE ENGINEERING PTY LIMITED**

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## Design Features

Essential to all Warden designs is a clean waterway with no obstructions. This keeps friction losses low as well as minimizes the risk of blockages. Orion monitors have removable nozzles which facilitates rapid clearing of obstructions and more flexible deployment of monitors.

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

- Fully enclosed swivels
- Metal balls for swivel races
- Removes the need for flexible hose connections to the monitor.

## Materials of Construction

Waterway:	Bronze Alloy
Swivels:	Bronze Alloy
Inlet Flange:	Bronze Alloy
Balls:	Brass
Grease Nipples:	316 Stainless Steel
Fasteners:	316 Stainless Steel
Motors:	Steel

## Operation

The monitor may be moved continuously in the horizontal direction.

## Connections

Inlet: 80mm or 100mm flat-face flange bronze flanges, multi-standard or ASME Class 150 raised face stainless steel flange or 80/100mm ASME Class 150 composite flanges with galvanised steel backing flange.

Multi-standard flanges are used for Table E and ASME Class 150 FF connections.

Outlet: 65mm BSP, or 80mm for high performance.

## Options

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

Handwheels for manual operation. (H version)

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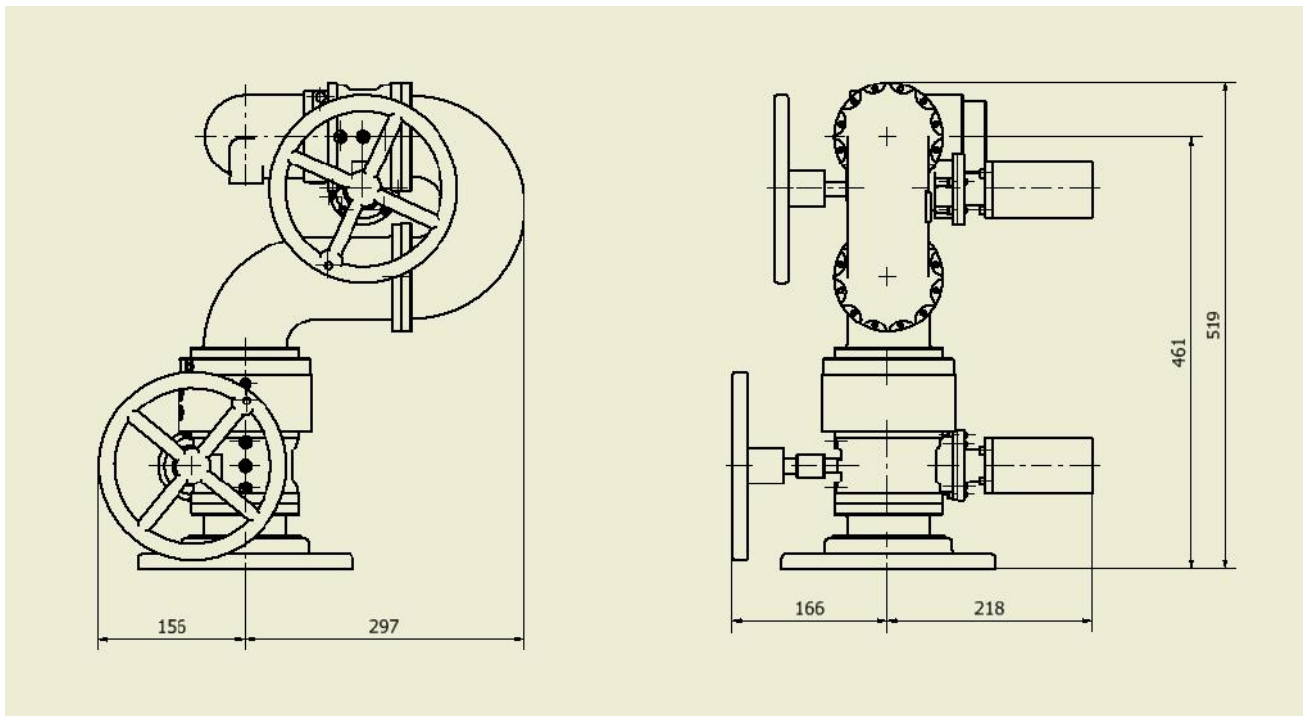
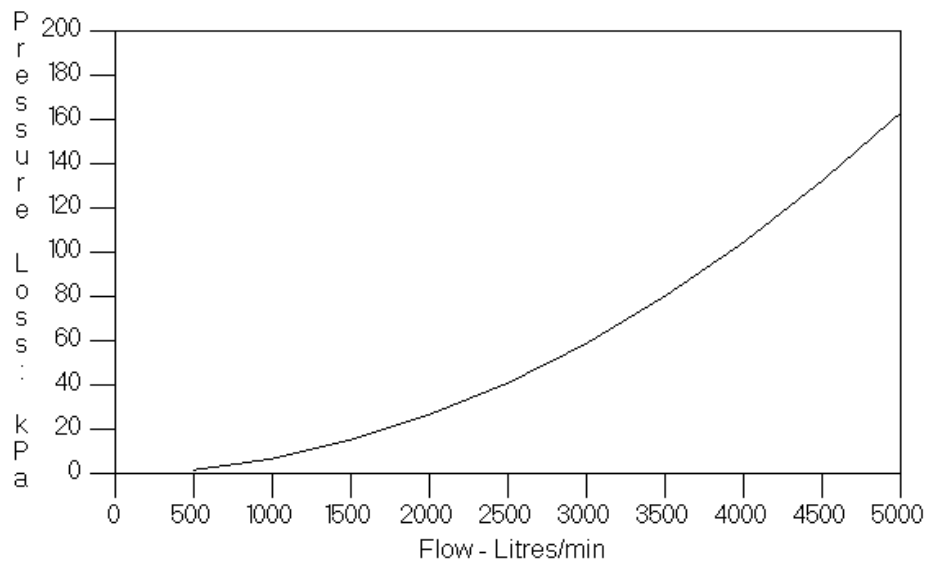
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## Performance Data

Friction Loss Curve



## Part Numbers

Description	Part Number
Warden 3273 with 80mm FF Flange, standard paint	15088
Warden 3273H with 80mm FF Flange, standard paint	15019
Warden 3273 with 100mm FF Flange, marine paint	12008
Warden 3273H with 100mm FF Flange, marine paint	14028

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