

## Features

Compact  
Light weight  
Usable with river and sea water  
Self-cleaning filter protects oscillating valve  
Adjustable oscillating speed and elevation  
Automatic oscillation  
Runs with water or foam  
Works at low temperatures  
Low pressure drop

## Description

Balder is a 2½" monitor for portable use. It is self-oscillating and powered by water flowing through a special oscillating mechanism. Balder automatically sweeps from side to side. The speed of the sweeps and the elevation could be manually set and also be varied during operation. It is also possible to use the monitor without the oscillation and manually adjust the stream within 180° angle. Balder has a water inlet with a 2½" BSP thread. For flows above 1,500 liters it is equipped with a double inlet.

The pipes are casted in anodized aluminium. Parts which are vital for the correct functions, such as swivels are in stainless steel. Innovative piping technology minimizes turbulence and frictional pressure losses. Balder is compact and weighs only 10.6 kg.

## Operation

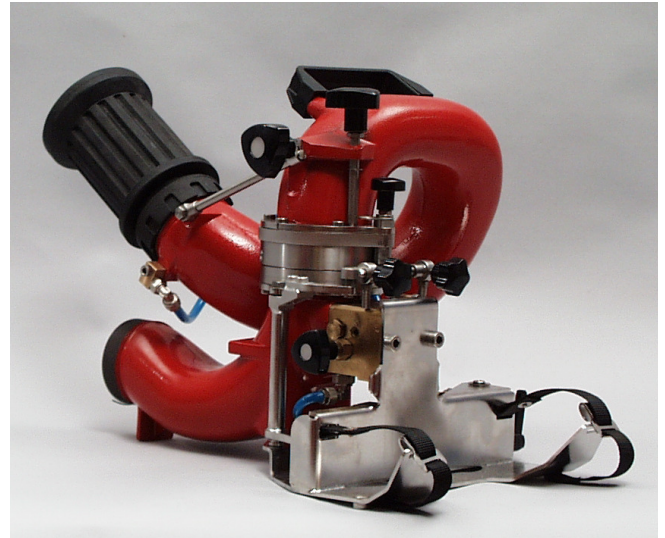
The fire hose should be connected and put in a circle around the monitor. If two fire hoses are used one of them should be connected and put into a circle. The fire hose stabilizes the monitor. The two spikes and the water inlet at the front compensate the reaction forces, and keeps Balder standing alone. Adjust the elevation and the speed of oscillation. Balder works at low temperatures also at the lowest speed of oscillation.

## Application

- Fire brigades
- Petrochemical plants
- Tank farms
- Loading areas
- Chemical plants

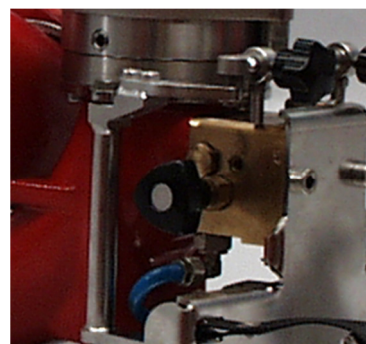
## Recommended Foam

- Protein based foams
- AFFF foams
- AFFF ARC foams
- Multi-purpose foam
- Fluorine free foams



## Technical data

Max. water flow (1 inlet / 2 inlets)	1,500 / 2,500 lpm
Sweep range	Max. 40/min.
Oscillating angle	60°
Elevation	+25° - +80°
Water inlet	1 x 2½" / 2 x 2½" BSP M thread
Water outlet	2½" BSP M thread
Material	Anodised aluminium
Length	440 mm
Height	390 mm
Width	330 mm
Weight	10.6 kg
Part no.	20-3100-00 20-3100-01 (2 inlets)



*The compact size of the oscillating unit makes Balder easy to handle*

## Options

- Double inlet for flows above 1,500 liters/min.

## Accessories

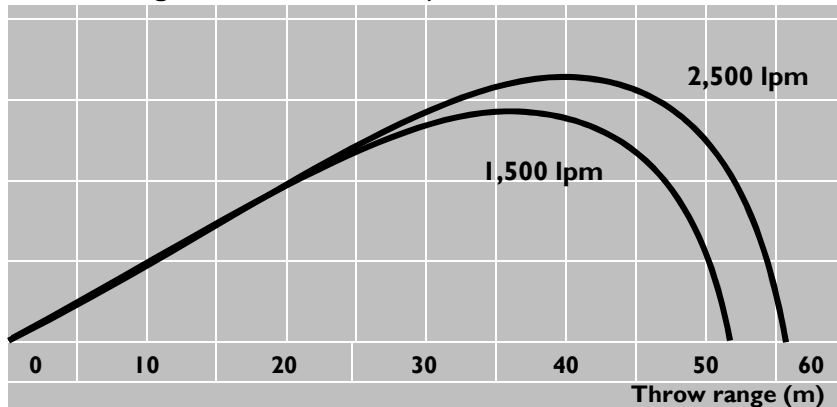
- Freja nozzles 500, 1,000, 1,500, 2,000 and 2,500 lpm
- Frigg aspirated foam branch pipe in stainless steel up to 2,000 lpm
- As above with self-induction

For further information see our nozzle data sheets.

## Quality Control

Balder range monitors are designed and developed to be user friendly and is manufactured according to internal ISO procedures.

### Throw range with water and Freja nozzle at 8 bar



### Pressure loss

