

FEATURES

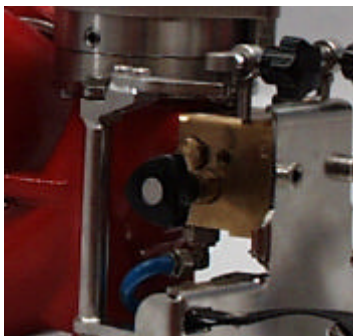
- **Compact**
- **Light weight**
- **Usable with river and sea water**
- **Self cleaning filter protects oscillating valve**
- **Adjustable oscillating speed and elevation**
- **Automatic oscillation**
- **Runs with water or foam**
- **Works at low temperatures**
- **Low pressure drop**

Application

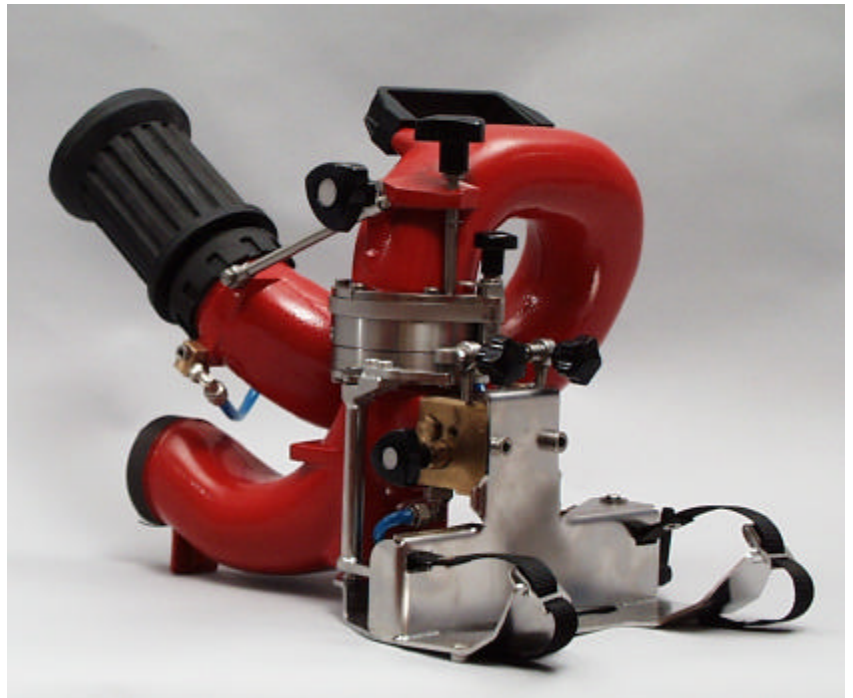
- Fire brigades
- Petrochemical plants
- Tank farms
- Loading areas
- Chemical plants

Recommended Foam

- Fluoroprotein 3% or 6%
- Protein 3% or 6%
- FFFP 3% or 6%
- AR-FFFP 3x6 or 3x3
- AFFF 1%, 3% or 6%
- AR-AFFF 3x6 or 3x3
- Multi purpose foam



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



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 litres it is equipped with a double inlet.

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

Technical data

Max. water flow (1 inlet / 2 inlets)	1,500 / 2,500 lpm
Sweep range	Max. 25/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

Options

- Double inlet for flows above 1,500 litres/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

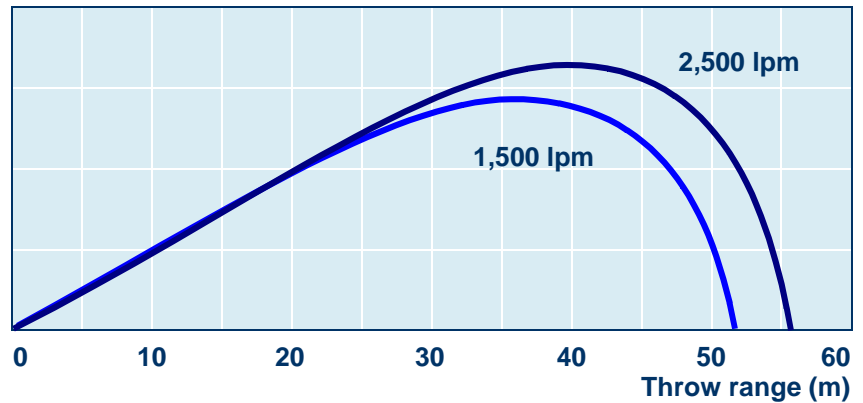
For further information see our nozzle data sheets

Operation

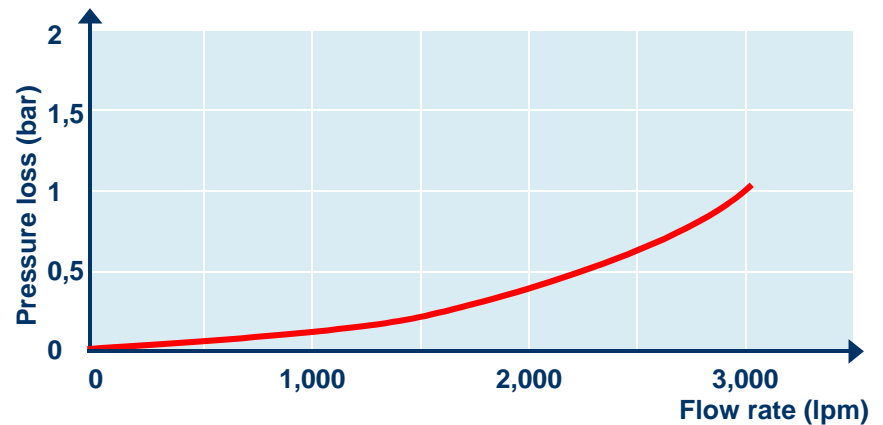
The fire hose should be connected and put in a circle around the monitor. If two fire hoses are used one of them should be connected and put into a circle. The fire hose stabilizes the monitor. The two spikes and the water inlet at the front compensates the reaction forces, and keeps Balder standing alone.

Adjust the elevation and the speed of oscillation. Balder works at low temperatures also at the lowest speed of oscillation.

Throw range with water and Freja nozzle at 8 bar



Pressure loss



Quality Control and tests

BALDER are manufactured according to the draft European Standard EN-13565-1, and CE marked.