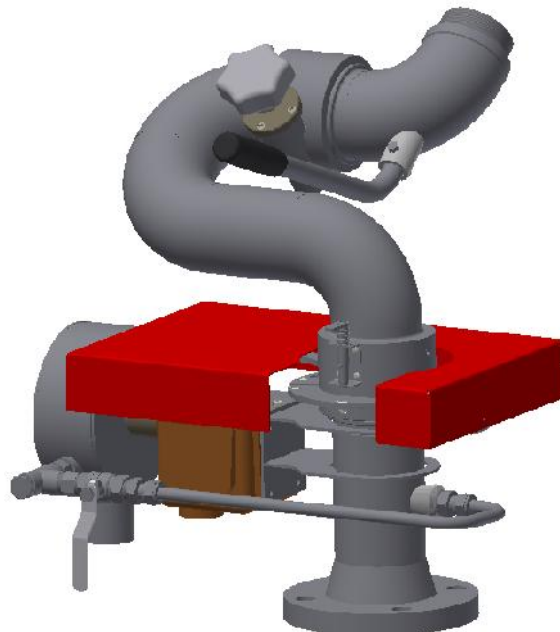


Water Oscillating Warden Commando Model 3521

Description

The Commando model 3521 is an 80mm water oscillating monitor designed specifically for offshore applications. It is based on our Commando water way. The Model 3521 has a friction swivel lock and a Pelton turbine oscillating unit.

The material for the waterway can be any readily available grade of stainless steel or titanium. Standard is 316L, other options include SAF2507 or titanium Gr2.



All metal components which are exposed to water / foam solution or the atmosphere are made from stainless steel, bronze. The arc of movement is 120 degrees (maximum) and is fully adjustable down to 30 degrees. The movement speed is also adjustable. There are no aluminium parts in the unit.

The operating pressure range for these units is 400 kPa to 1,500 kPa. The maximum recommended flow is 4,500 lpm.

Waste water discharge is controlled and may be directed away using a 50mm hose.

Specifications

Height:	750mm approx. (depends on handle position)
Width:	510mm
Depth:	390mm + handle & nozzle
Nozzle Height:	470mm (to centre line of nozzle)

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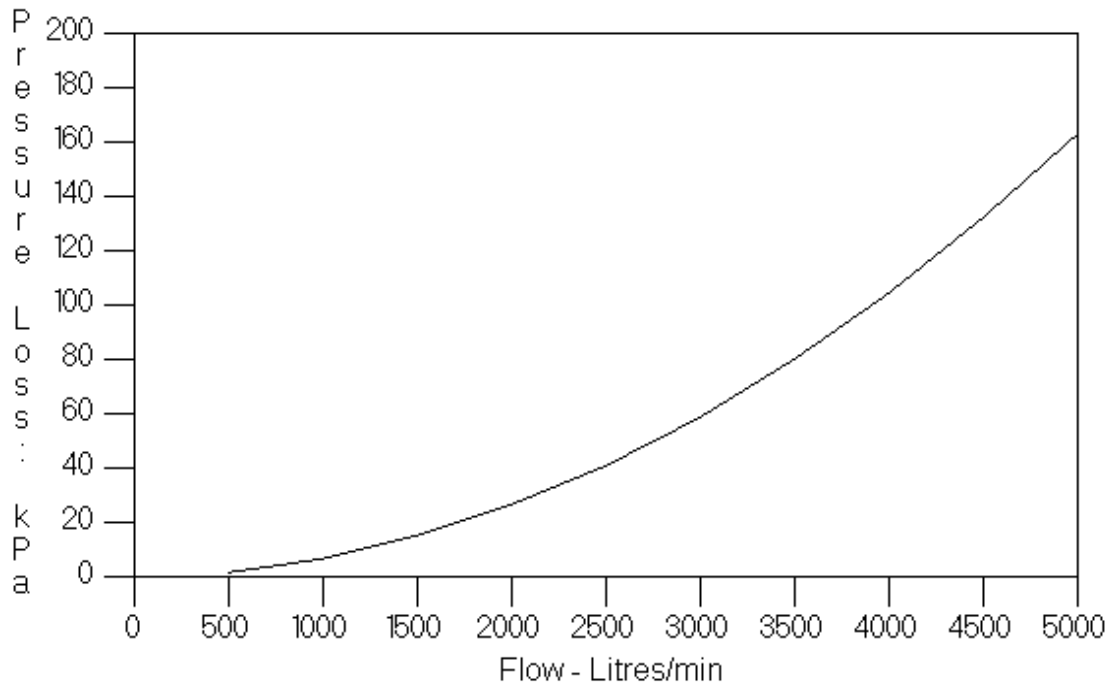
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Performance Data



Operating Pressures:	400 kPa - 1,500 kPa
Hydrostatic Test Pressure:	2,500 kPa
Flow Range:	up to 4,500 lpm
Elevation Adjustment:	-60° to +60° (standard)
Horizontal Sweep:	Adjustable from 30° to 120° (auto) 360 degrees on manual
Oscillating Speed:	6-8 cycles/minute max
Oscillating Unit Water Consumption:	40 litres per minute (approx.)
Inlet Flange:	3" ANSI #150
Outlet Connection:	65mm BSP Male
Weight:	35 kg (excluding nozzle)

Materials of Construction (Material = specified material grade for project)

Component	Material
Monitor water way	Material
Inlet flange	Material (RF)
Turbine impeller	Bronze
Nozzle	Either nickel plated bronze or Material
Turbine water supply	Material
Valves	Stainless steel
Gearbox	Bronze & stainless steel 316
Cover	Stainless steel 316

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