

Hand Monitor HM80

Features

- ✓ Exceptional operational reliability
- ✓ Long life and maintenance free

The HM80 is a nominal 80mm waterway monitor, designed to provide optimised hydraulic efficiency and long throw performance when the Long Throw (LTN) nozzles or (LTC) cannons are fitted.

The HM80 is engineered for exceptional reliability, long life and is maintenance free. It is produced using only high grade corrosion resistant materials including gunmetal, aluminum bronze and 316 stainless steel.

Experience has shown that a 20+ year life-span is achievable, even in harsh environments.

Designed for long throw attachments

When fitted with the Angus long throw range (LTN) of constant flow jet/spray nozzles, the HM80 is highly effective with water or film forming foams for fast flame attack on hydrocarbon liquids.

Long throw foam cannons (LTC) can also be fitted which guarantee optimised foam quality and throw characteristics when used with the Angus range of foam concentrates.

Maximum performance and throws of up to 75 metres can be achieved depending on

nozzle/cannon configuration (see separate nozzle/cannon datasheets).

Varying configuration

The main body of the HM80 can be oriented in either an upright configuration, or compact low profile mode (see instruction manual for easy change), making this monitor particularly suitable for installation on towers, offshore platforms and other areas where space is limited.

Low friction joints provide easy elevation and horizontal movement even under high operating pressures. The quick and easy Clamp-Lok™ mechanism provides a solid positive lock of the monitor elevation axis.

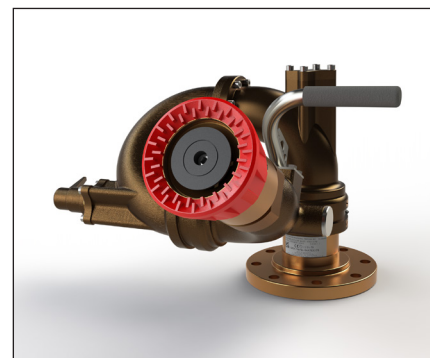
Angus Foam

With appropriate mixing and application techniques, our latest Fluorine Free (SFFF and AR-SFFF) foam solutions may be applied through these semi-aspirated and conventional discharge devices to produce an effective fire-suppressing foam blanket.

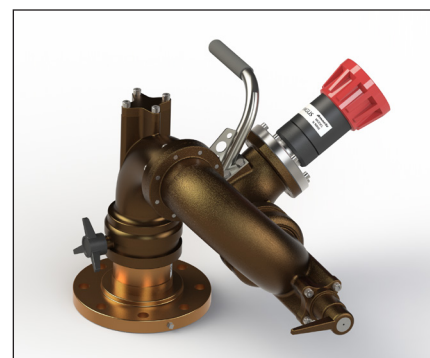
Despite this, we would always recommend using aspirating foam application devices to achieve the best results.



HM80 with LTC Cannon



HM80 with LTN Nozzle



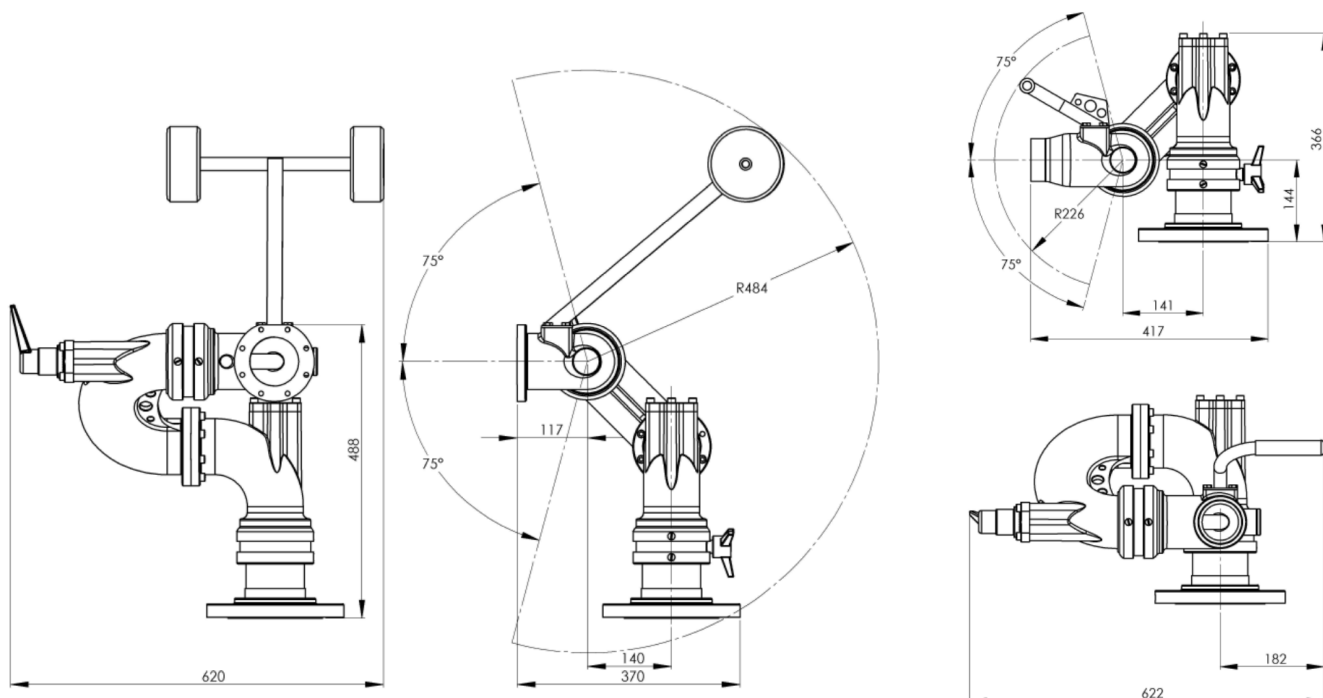
HM80 with N range Nozzle



EMERGENCY FOAM SERVICE
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Dimensional drawings (mm)



Specification Data

Operating pressure	Max: 16 bar g, Min: 5 bar g
Test pressure	24 bar g
Maximum flow	4,500 litres/min
Inlet flange connection	4" ANSI Class 150 RF (alternatives to special order)
Outlet connections	2", 2 ½" BSP Male or flanged for LTC Cannons (alternatives to special order)
Rotation	360° continuous
Elevation (nominal)	+75°-75° from horizontal
Approx. weight (without nozzle/cannon)	32 kg
Operating temperature range	-20°C to +80°C

Materials

Monitor body	Aluminium Bronze AB2 and Gunmetal LG2 to BS EN 1982
Clamp-Lok™ mechanism	Aluminium Bronze AB2
Friction Lock	Glass Fibre reinforced technopolymer & stainless steel
Finish	Natural (Red RAL3020 to special order)
Seals	Nitrile synthetic rubber
Handle	Stainless steel 316
Counterbalance weights (cannons only)	Zinc plated steel
Fasteners	Stainless steel A4

Angus Fire operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Angus Fire should be contacted to ensure that the current issues of all technical data sheets are used.