Standard Monitor Range

**Hand Monitors**
- HM80
- LMB48
- LMB40
- MM1

**Geared Monitors**
- GMB48
- GMB50
- GMB75
- GMB85
- GMS45
- FWM

**Oscillating Monitors**
- OM80
- OMB40

**Portable Monitors**
- Bipod Foam Monitors
- Titan Bipod
- PGM1
Standard Monitor Range

Hand Monitors

**HM80**

**Specification**
- 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
- Outlet connections: 2”, 2½”BSP Male or flanged for LTC Cannons
- Rotation: 360° continuous
- Elevation (nominal): 75°-75° from horizontal
- Approx. weight (without nozzle/cannon): 32 kg

**Standard Nozzles**
- LTN Long Throw Nozzles with flow rates: 900 - 3300 lpm
- Self Inducing Long Throw Nozzle with flow rate: 1900 lpm

**Standard Cannons**
- To be used with counterbalance only
- Long Throw Cannons with flow rates: 1800 - 3300 lpm
- LTC/B Self-Inducing option

**LMB48**

**Specification**
- Operating pressure: Max: 14 bar g, Min: 5 bar g
- Test pressure: 34 bar g
- Maximum flow: 4,800 litres/min
- Inlet flange connection: 3” or 4” ANSI Class 150
- Outlet connections: 2½”BSP Male
- Rotation: 360° continuous
- Elevation (nominal): +90°-60° from horizontal
- Approx. weight (without nozzle): 25 kg

**Standard Nozzles**
- FJ19-48 Fog Jet Nozzle with selectable flow rate: 1900 - 2900 - 3900 - 4800 lpm
- FJS1300 - FJS4000 Self Inducing Fog Jet Nozzles with flow rate: 3800lpm

**FJS1300 - FJS4000 Self Inducing Cannons**
- To be used with counterbalance only
- FC1300-FC4000 Foam Cannons with flow rates: 1300 - 4000 lpm
- FCS1300 - FCS4000 Self Inducing Cannons

**LMB40**

**Specification**
- Operating pressure: Max: 16 bar g, Min: 5 bar g
- Test pressure: 24 bar g
- Maximum flow: 4,000 litres/min
- Inlet flange connection: 4” ANSI Class 150
- Outlet connections: 2½” BSP Female
- Rotation: 360° continuous
- Elevation (nominal): +85°-50° from horizontal
- Approx. weight (without nozzle/cannon): 57 kg

**Standard Nozzles**
- FJ1300 - FJ4000 Fog Jet Nozzles with flow rates: 1300-4000lpm
- FJS1300 - FJS4000 Self Inducing Fog Jet Nozzles

**Standard Cannons**
- To be used with counterbalance only
- FC1300-FC4000 Foam Cannons with flow rates: 1300 - 4000 lpm
- FCS1300 - FCS4000 Self Inducing Cannons
Hand Monitors

Titan MM1

**Specification**
- Operating pressure: Max: 15 bar g, Min: 5 bar g
- Test pressure: 22.5 bar g
- Maximum flow: 4,500 litres/min
- Inlet flange connection: 4” ANSI Class 150 RF
- Outlet connections: 2½” BSP Male
- Rotation: 360° continuous
- Elevation (nominal): 85°-50° from horizontal
- Approx. weight (without nozzle/cannon): 33 kg

**Standard Nozzles**
LTN Long Throw Nozzles with flow rates: 900 - 3300 lpm

**Self Inducing Nozzles**
- HI-COMBAT 848-BC
  - Brass: 1900 - 4800 lpm
- HI-COMBAT 888 / 888-BC
  - Aluminium Alloy / Brass
  - Flow: 1325 - 2900 lpm
- HI-COMBAT 889 / 889-BC
  - Aluminium Alloy / Brass
  - Flow: 3800 lpm

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**Geared Monitors**

### GMB48

**Specification**
- Operating pressure: Max: 14 bar g, Min: 5 bar g
- Test pressure: 34 bar g
- Maximum flow: 4800 litres/min
- Inlet flange connection: 3” or 4” ANSI Class 150
- Outlet connections: 2½” BSP Male
- Rotation: 360° continuous
- Elevation (nominal): +85°-55° from horizontal
- Approx. weight (without nozzle): 26 kg

**Standard Nozzles**
- FJ19-48 Fog Jet Nozzle with selectable flow rate:
  - 1900 - 2900 - 3800 - 4800 lpm

### GMB50

**Specification**
- Operating pressure: Max: 16 bar g, Min: 5 bar g
- Test pressure: 24 bar g
- Maximum flow: 5000 litres/min
- Inlet flange connection: 4” ANSI Class 150 FF
- Outlet connections: 150 x 150 square flange
- Rotation: 360° continuous
- Elevation (nominal): +85°-50° from horizontal
- Approx. weight (without nozzle/cannon): 62 kg

**Standard Nozzles**
- FJ1300 - FJ5000 Fog Jet Nozzles with flow rates: 1300 - 1900 - 2900 - 3800 - 4800 lpm
- FJS1300 - FJS5000 Self Inducing Fog Jet Nozzles with factory set flow:
  - 1325 - 1900 - 2900 lpm
- FJS3800 Self Inducing Fog Jet Nozzle with flow rate: 3800 lpm

### GMB75

**Specification**
- Operating pressure: Max: 14 bar g, Min: 5 bar g
- Test pressure: 34 bar g
- Maximum flow: 7570 litres/min
- Inlet flange connection: 4” or 6” ANSI Class 150
- Outlet connections: 3½” BSP Male
- Rotation: 360° continuous
- Elevation (nominal): +85°-55° from horizontal
- Approx. weight (without nozzle/cannon): 50 kg

**Standard Nozzles**
- FJ7570 Fog Jet Nozzle with flow rate: 7570 lpm

**Standard Cannons**
- FC1300-FC5000 Foam Cannons with flow rates: 1300 - 5000 lpm
- FCS1300 - FCS5000 Self Inducing Cannons
Geared Monitors

**GMB85**

**Specification**
- Operating pressure: Max: 16 bar g, Min: 5 bar g
- Test pressure: 24 bar g
- Maximum flow: 8500 litres/min
- Inlet flange connection: 6” ANSI Class 150
- Outlet connections: 150 x 150 square flange
- Rotation: 360° continuous
- Elevation (nominal): +85°-55° from horizontal
- Approx. weight (without nozzle): 76 kg

**Standard Nozzles**
- FJ5000 - FJ8500 Fog Jet Nozzles with factory set flow rate: 5000 - 8500lpm

**Standard Cannons**
- FCL5000 - FCL6500 Lightweight Foam Cannons

**GMS45 (Stainless Steel)**

**Specification**
- Operating pressure: Max: 12 bar g, Min: 5 bar g
- Test pressure: 25 bar g
- Maximum flow: 4500 litres/min
- Inlet flange connection: 4” ANSI Class 150 FF
- Outlet connections: 4” BSP Male
- Rotation: 360° continuous
- Elevation (nominal): +70°-20° from horizontal
- Approx. weight (without nozzle/cannon): 62 kg

**Standard Nozzles**
- H50 SS Fog Jet Nozzle with factory set flow rate: 3030 - 4750 lpm

**Standard Cannons**
- HSI 50 SS Self Inducing Fog Jet Nozzle with factory set flow rate: 3030 - 4750 lpm

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**FOAM WATER MONITORS**

**Specification**
- Operating pressure: Max: 10 bar g, Min: 5 bar g
- Flow at 7 bar:
  - FWM1300 - 1300 lpm
  - FWM1800 - 1800 lpm
  - FWM2700 - 2700 lpm
  - FWM3600 - 3600 lpm
- Rotation: 360° continuous
- Elevation (nominal): +70°-20° from horizontal
- Inlet connection: 4” ANSI Class 150 RF
- Foam Induction: Variable between 3 - 6%
- Approx. weight:
  - FWM1300 - 91 kg
  - FWM1800 - 90 kg
  - FWM2700 - 90 kg
  - FWM3600 - 111 kg

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[Image of Geared Monitor]
Fixed Oscillating Monitors

**OM80**

**Specification**
- 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
- Outlet connections: 2½” BSP Male
- Sweep angle:
  - Automatic: 45° to 120° in 15° intervals
  - Manual: 360° continuous
- Nominal elevation*: Max +75° above horizontal (+85° in upright mode)
- Nominal depression*:
  - Max -70° below horizontal.
  - Limited to -5° over gearbox in low profile mode.
  - Limited to -45° or -20° over gearbox in upright mode
- Nominal oscillating frequency:
  - 8 cycles/min @ 7 bar g
- Approx. weight (without nozzle/cannon): 77 kg

* Low profile to upright mode adjustable on site (see O&M manual)

**Standard Nozzles**
- LTN Long Throw Nozzles with flow rates: 900 - 3300 lpm
  - Self Inducing Long Throw Nozzle with flow rate: 1900 lpm

**Standard Cannons**
- To be used with counterbalance only
  - Long Throw Cannons with flow rates: 1800 - 3300 lpm
  - LTC/B Self-Inducing option

**OMB40**

**Specification**
- Operating pressure: Max: 16 bar g, Min: 5 bar g
- Test pressure: 24 bar g
- Maximum flow: 4,000 litres/min
- Inlet flange connection: 4” ANSI Class 150 FF
- Outlet connections: 2½” BSP Female
- Sweep angle:
  - Automatic: 30° to 120° in 15° intervals
  - Manual: 360° continuous
- Nominal elevation:
  - Max +85° above horizontal
- Nominal depression:
  - Max -45° below horizontal.
- Nominal oscillating frequency:
  - 5°/sec at 7 bar inlet pressure
- Approx. weight (without nozzle/cannon): 40 kg

**Standard Nozzles**
- FJ1300 - FJ4000 Fog Jet Nozzles with flow rates: 1300-4000 lpm
  - FJS1300 - FJS4000 Self Inducing Fog Jet Nozzles

**Standard Cannons**
- To be used with counterbalance only
  - FC1300-FC4000 Foam Cannons with flow rates: 1300 - 4000 lpm
  - FCS1300 - FCS4000 Self Inducing Cannons
**Portable Monitors**

**BIPOD FOAM MONITORS**

**Specification**
- Operating pressure: Max. 12 bar g, Min. 5 bar g
- Flow at 7 bar: FC18B - 1800 lpm
  FC27B - 2700 lpm
- Inlet connection: 4 x 2½" Instantaneous Male
- Foam Induction: Variable between 1% - 7%
- Foam Expansion Ratio: Typically 6:1
- Approx. weight: FC18B - 40 kg
  FC27B - 42 kg

**TITAN BIPOD**

**Specification**
- Operating pressure: Max. 12 bar g, Min. 5 bar g
- Flow at 7 bar: 3700 lpm
- Inlet connection: 2 x 4" Storz
- Foam Induction: Fixed at 3% or 6%
- Foam Expansion Ratio: Typically 5:1
- Approx. weight: 41 kg

**PGM1**

**Specification**
- Operating pressure: Max. 10 bar g, Min. 4 bar g
- Test pressure: 15 bar g
- Maximum flow at 7 bar: 1800 lpm when used with N1800 nozzle
- Inlet connection: 2 x 2½" Instantaneous Male
- Approx. weight (without nozzle): 7 kg
- The PGM1 is intended for use in the medium output range, typically up to 400 gpm (1800 lpm) but higher outputs can be tolerated by using the anchor spike which is also recommended for use on smooth surfaces to assist in resisting jet reaction forces

**Standard Nozzles**

N Range Jet Spray Nozzle
- with flow rates: 900 or 1800 lpm