



# Monitors

MANUAL AND  
REMOTE-CONTROLLED

- Simple cabling – just 2 power lines
- Common Electronic
- Optimal reach



# MANUAL and REMOTE

## RELIABLE, OPTIMAL

### Petrojet



#### Patented profile

Integrated stream straightener to minimise pressure loss (0.3 bar at 3000 l/min)

**Manual control lever**  
[elevation -70°/+90°, rotation 360°]

System for **locking** the monitor's **elevation**

**Cut-off valve with open / shut indicator**  
(optional)

Automatic **anti-freeze drain plug**  
(optional)

Lever for **locking** the monitor's **rotation**

**Wide range** of inlet flanges



Integrated **stainless steel ball valve**

### The benefits that m

#### POWER

Flow-rate up to 8000 l/min (Monsoon).  
The overall design and the wide flow passage section reduce pressure loss and increase reach

#### ROBUSTNESS

The choice of materials (hard anodised aluminium, epoxy coating, stainless steel) together with the precision of the machining guarantee performance under pressure and a high level of resistance to corrosion.

# -CONTROLLED monitors

## ROBUST, REACH

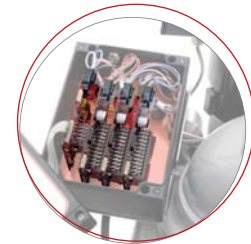
### Hurricane RC

Automatic or fixed flow nozzles  
with rubber, weather-proof teeth

Control box IP66

Safety controls for  
rotation [45°] and  
elevation [-45° / +90°]

1 cable with  
only 4 wires to connect



Identical integrated circuit  
boards on all RC monitors

Integrated stream  
straightener

Automatic anti-freeze drain



Options limiting vertical and  
horizontal displacement

## Make the difference

### EASE OF INSTALLATION

RS485 communication protocol: only 4 wiring connections necessary to make RC monitors operational

### RELIABILITY

Bearings and gearing lubricated for life.  
Integrated circuit boards conform to EU directive 2004/108/CE  
Control boxes are IP66

### VERSATILITY

A wide choice of accessories for controlling RC monitors:  
Joystick, integrated control panel, remote control box.  
The RC range includes an ATEX version for use in hazardous areas.



5-year guarantee

## RC REMOTE-CONTROLLED Monitors 12 / 24 VOLTS

RC monitors are made for easy and safe operation in locations which are difficult to access  
**Motors and integrated circuit boards (ISO 7637-2 compliant) are identical on all models**



From 60 to 2000 l/min

### TORNADO RC

- Rotation: 370° [185° right / 185° left]
- Elevation: -45° to +90°
- Pressure loss: 0.3 bar at 2000 l/min
- Outlet: 1.5" or 2.5" BSP M



From 200 to 4500 l/min

### HURRICANE RC

- Rotation: 450° [225° right / 225° left]
- Elevation: -45° to +90°
- Pressure loss: 0.7 bar at 3000 l/min
- Outlet: 2.5" BSP Male



From 600 to 6000 l/min

### TYPHOON RC

- Rotation: 450° [225° right / 225° left]
- Elevation: -45° to +170°
- Pressure loss: 0.6 bar at 4000 l/min
- Outlet: 4" BSP Male



From 600 to 8000 l/min

### MONSOON RC

- Rotation: 450° [225° right / 225° left]
- Elevation: -45° to +90°
- Pressure loss: 0.7 bar at 2000 l/min
- Outlet: 4" BSP Male

## OPERATOR STATIONS

These include the following functions: horizontal rotation (right and left), vertical elevation (up and down), type of jet (straight to fog), oscillation, park position, auxiliary 1 and auxiliary 2.

### PORTABLE WIRED OR RADIO-CONTROL BOX

- **Wired with 9m or 30m of cable**
- **Radio-control at 2.4 GHz:**  
 Maximum range: 150m line of sight  
 Powered by 4 x AA lithium batteries (supplied)  
 Stand alone operation 33 hours continuous  
 Supplied with bracket



### JOYSTICK

With supply solenoid valve control trigger, supplied with 9m of cable

### INTEGRATED CONTROL PANEL

supplied with 9m of cable



### POSITION DISPLAY in cab

Position of monitor (rotation and elevation)  
 High or low setting of the Top Gun telescopic mast  
 Selection of monitor speed  
 Selection of oscillating cycle and return to park position

### INTERFACE COMMUNICATION BOX

Converts a contact (from truck control panel) into an RS485 serial contact (for guiding the monitor)

# ROBUST ENOUGH TO WITHSTAND THE MOST EXTREME CONDITIONS

- Hard-anodised aluminium
- Internal and external epoxy protection
- Nozzles with UV treated rubber teeth



## RCX ATEX REMOTE-CONTROLLED Monitors

**Certified** EEx II G Ex nA T6 -35C < Ta < +50C. RCX monitors (Tornado, Hurricane, Typhoon and Monsoon RCX) are designed **for use in explosive atmospheres.**



## MANUAL Monitors

Rotation 360° endless



De 60 a 4500l/min

### PETROJET

- Elevation by handle: -70° to +90°
- Pressure loss: 0.3 bar at 2000 l/min
- Outlet: 2.5" BSP Male
- Valve with ON/OFF indicator, optional

De 60 à 2000 l/min

### TORNADO

- Elevation by handle: -45° to +90°
- Pressure loss: 0.3 bar at 2000 l/min
- Outlet: 1.5" or 2.5" BSP Male

De 200 à 4500 l/min

### HURRICANE

- Wheel-controlled elevation: -45° to +90°
- Pressure loss: 0.7 bar at 3000 l/min
- Outlet: 2.5" BSP Male

De 600 à 8000 l/min

### MONSOON

- Wheel-controlled elevation: -45° to +90°
- Pressure loss: 0.7 bar at 6000 l/min
- Outlet: 4" BSP Male

From 600 to 6000 l/min

### TYPHOON

- Wheel-controlled elevation: -45° to +170°
- Pressure loss: 0.6 bar at 4000 l/min • Outlet: 4" BSP Male

## WATER / AFFF NOZZLES

### Automatic regulated pressure monitor nozzles

- Flow-rates from 500 to 8000 l/min, depending on model
- **Range maintained** at a relatively constant level **in the event of mains pressure drop**
- Adjustable pressure regulation (depending on model) to maintain effective flow-rate and reach
- Water / AFFF spray nozzle giving choice of straight jet and spray fog (full cone up to 135°)



**JETMATIC**



**MAXFORCE**



**MASTERMATIC**

### Fixed flow-rate monitor nozzles (2.5" BSP F)

- Max-lite nozzle: 1300, 2000 or 3000 l/min
- FM nozzles: 2000, 3000, 4000 or 5000 l/min
- Masterfix 2500 SP nozzle: 500, 1000, 1500, 2000 or 2500 l/min
- Masterfix 4000 SP nozzle: 1500, 2000, 2500, 3000 or 4000 l/min



**MAX-LITE**



**MASTERFIX 4000 SP**

### Masterfoam self-induction nozzles (2.5" BSP F)

- Flow-rates of 1300, 2000 or 3000 l/min with built-in inductor
- Concentrations: 0.5 – 1 – 3 – 6% (interchangeable calibrated openings)
- Full jet to spray fog at 90°



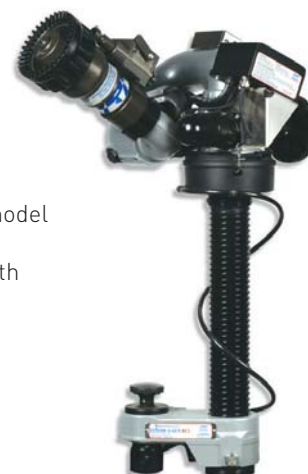
## POLYFOAM ADAPTORS

Low expansion foam adaptors for quality foam production



## TOP GUN TELESCOPIC MAST

Extension 450mm – 3" or 4" model  
Supplied with connection box and control panel equipped with high and low position sensors



## FOAM BRANCHPIPES

Aluminium + epoxy  
With or without inductor  
Flow-rates: 1500, 2000, 3000 or 4000 l/min



## OSCILLATING SYSTEMS

- **Oscillating flange**  
Made of carbon steel  
Maximum flow-rate = 6000 l/min  
Sweep angle: from 15° to 360°  
Consumption 25 l/min at 7 bar  
Speed 4°/sec at 7 bar



## STREAM STRAIGHTENERS

To improve reach



- **Oscillating system for fitting to water pipe**  
Flow-rate: Min. 650 l/min, Max. 2000 l/min  
Sweep angle: 20°, 30° or 40°  
Speed, variable, depending on flow-rate

# Groupe Leader

## RESEARCH AND DEVELOPMENT

**A creative but meticulous Design Department to develop the equipment you will need tomorrow.**

- > **A multidisciplinary design office** to develop and produce innovative equipment to meet the **needs of the profession.**
- > Design work carried out **in partnership** with **well-known rescue services, manufacturers, universities and research laboratories.**
- > **Testing equipment** specifically adapted to the needs of product development and **validating performance.**
  - Water and high expansion foam test installation (400m<sup>2</sup>)
  - Ventilation test installation (400m<sup>2</sup>)



## MANUFACTURE

- > **Specialised production workshops**
- > A **continuous improvement** system whose purpose is to guarantee customer satisfaction through **control of product conformity**



## AFTER-SALES SERVICE

- > **A permanent stock** of spare parts enabling us to carry out **rapid repair work**
- > A team to **advise** you on **setting up and using** your equipment
- > **A telephone help line +33 (0)2.35.11.70.30**



## TRAINING

- > Can be **organised to suit your needs.** Our **training courses** enable you to maintain your equipment in a **safe state for use.**





# Groupe Leader

Always in touch with our clients  
to design the **products you will need tomorrow**



*Tomorrow's technology today*

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