



# Mach 3

AUTOMATIC NOZZLES

- Safety for the branch operator
- Complies with EN 15182
- 12-year guarantee



# Mach 3 AUTOM

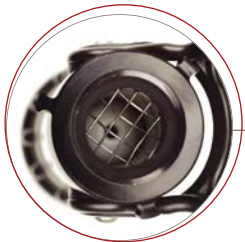
## HIGH PERFORM AND LIGHT



Valve with **sliding plug**, enabling operator to select flow-rate while keeping perfect stream quality  
**Facilitates** the use of the **pulsing** technique and reduces the water hammer effect

**A single flow-rate control** handle with six flows and closure

**Very wide manoeuvring** handle



**Grill to prevent large debris ingress**



**Rotating** coupling



Optional **articulated joint**: improves handleability and **operator safety**



**Tac-lite** option: lighting always to hand to **avoid accidents on level ground** when advancing in dark conditions

# ATIC BRANCHES

## PRECISE, ROBUST WEIGHT

- **Touchpad (adjustable)** marking the **Flashover** (or any other) **position**
- One **click** indicates the **Flashover** angle **position**



### Rotating nozzle head

- Turning the head selects the shape of the stream and the **wide calibre flush**
- **Unbreakable, flexible spray teeth.** Maintenance unnecessary
- The teeth produce a **powerful fog** composed of very fine droplets to absorb heat and larger drops to give **maximum range and penetration**
- No turbine teeth:  
**Hence avoiding flames being sucked in**



Low flow spray pattern

**Ergonomic pistol grip:**  
Insulates against the cold



All couplings available

## The pluses that make the difference

**Mach 3** automatic **nozzles** are equipped with a pressure regulation system:

- **Optimal flow-rate** at all times
- Relatively **constant range**
- **Safety for the nozzle operator in the event of any pressure variation**

**Single handle** for closing nozzle and adjusting flow-rate:

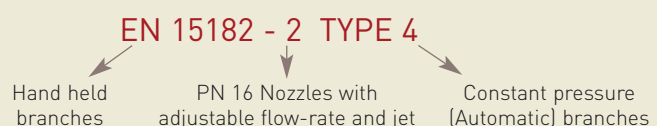
- Instantaneous **reflex action**
- Ideal for **pulsing**

■ Exceptionally **lightweight** and compact.

The **choice of materials** (hard anodised aluminium, stainless steel, rubber) and the **precision machining** of the nozzle ensure durability, together with **very minimal maintenance**.

■ **12-year guarantee**

Mach 3 nozzles comply with the **EN 15182 standard**:



**NB:** The Ultimatic F07 also complies with the **EN 15182-4 Type 4** standard and can be used at high pressure up to 40 bar.





## MACH 3 DUAL PRESSURE BRANCHES

**Dual pressure adjustment** to keep an effective flow-rate and range at low pressure.

**Change from standard pressure (6 bar) to low pressure (3 bar)** simply by turning the front wheel a quarter turn.



**6 BAR**  
Standard pressure



**3 BAR**  
Low pressure



### MIDFORCE

100 to 600 l/min

3 and 6 bar • Weight: 2,75 kg

Ref: **I11.21.200** - 1,5" BSP F

Ref: **I11.21.203** - BS 336 Inst.



### DUOJET PP

200 to 950 l/min

3 and 6 bar • Weight: 3,8 kg

Ref: **I11.21.001** - 2,5" BSP F

Ref: **I11.21.002** - BS 336 Inst.



### DUOJET PA

200 to 950 l/min

3 and 6 bar • Weight: 4,9 kg

Ref: **I11.21.003** - 2,5" BSP F

Ref: **I11.21.004** - BS 336 Inst.

## SPECIAL NOZZLES

### Branches for CAFS systems



### CAFSFORCE

CAFSFORCE gives optimum range for foam and also has a position for water operations.

265 to 750 l/min

3 bar • Storz C

Weight: 3 kg

Ref: **I11.50.001**



### DOUBLE AGENT NOZZLE

Comprising an Ultimatic automatic branch and a dry chemical nozzle. The nozzles are very manoeuvrable either separate or simultaneous.

Flow-rate: 40 to 500 l/min - 7 bar

Dry chemical: 1,5 - 2,5 and 5 kg/sec - 17 bar

Inlet : 1" BSP female • Weight: 2,2 kg

Ref : **I11.22.008**



### DRY CHEMICAL NOZZLE

Flow-rate 1,5 - 2,5 or 5 kg/sec • 17 bar

Inlet 1" BSP Female

Weight: 0,9 kg

Ref: **I11.22.005**



# Mach 3

**PROVEN TECHNOLOGY  
IN THE SERVICE  
OF FIGHTING FIRE**

EN 15182-2 Type 4 COMPLIANT  
12-YEAR GUARANTEE



## MACH 3 AUTOMATIC BRANCHES

MODEL	FLOW-RATE	PRESSURE	INLET	WEIGHT	REFERENCE	BS 336 INST.
ULTIMATIC FO6 ULTIMATIC FO6 MN*	60 to 400 l/min	6 bar	1,5" BSP F	≈ 1,6 kg	111.20.207 111.20.010	111.20.209 111.20.076
ULTIMATIC FO7	50 to 220 l/min 40 to 500 l/min	7 bar	3/4" BSP F	≈ 1,4 kg	111.20.203	111.20.223
			1" BSP F	≈ 1,4 kg	111.20.204	
ULTIMATIC FO7 AA*	40 to 500 l/min		1,5" BSP F	≈ 1,6 kg	111.20.201	111.20.206
ULTIMATIC FO4	40 to 400 l/min	4 bar	1,5" BSP F	≈ 1,6 kg	111.20.070	111.20.077
ULTIMATIC FO10	40 to 220 l/min	10 bar	1" BSP F	≈ 1,4 kg	111.20.200	111.20.212
MIDMATIC FO6 MIDMATIC FO6 MN*	100 to 600 l/min	6 bar	1,5" BSP F	≈ 2,7 kg	111.20.128	•
JETMATIC	200 to 950 l/min	6 bar	2,5" BSP F	Mod. PP: ≈ 3,8 kg Mod. PA: ≈ 4,8 kg	111.20.213 111.20.217	111.20.219 111.20.222
					111.20.021 111.20.031	111.20.053 111.20.054

Special models: **MN** = With removable lock before straight stream and flush position **AA** = With removable flow-rate lock



**ULTIMATIC**



**MIDMATIC**



**JETMATIC PP**



**JETMATIC PA**



**ALL COUPLINGS AVAILABLE**



**AA LOCKING SYSTEM**



**MN LOCKING SYSTEM**



## POLYFOAM ADAPTORS

To produce **top quality foam** from all types of foam compounds and additives



**Polyfoam BF**  
Ultimatic / Jetmatic



**Polyfoam BF**  
Midmatic / Midforce



**Polyfoam MF**  
Ultimatic / Midmatic

	Polyfoam BF: Low expansion (4 to 12)			Polyfoam MF: Multi (low and medium) expansion (4 to 60)		
ADAPTOR FOR BRANCH	Ultimatic	Midmatic Midforce	Jetmatic Duojet	Ultimatic	Midmatic Midforce	Jetmatic Duojet
REFERENCE	I11.80.116	I11.80.130	I11.80.117	I11.80.118	I11.80.131	I11.80.119
WEIGHT (gr)	400	1300	900	1400	1300	1500
DIMENSIONS (mm)	100 x L170	150 x L520	130 x L220	200 x L380	200 x L380	270 x L400

## ARTICULATED JOINT

Improves branch handling and operator safety through better ergonomic design

- Easy to move the branch, free of the rigidity of the hose line
- Ideal in cases where there is a risk of Flashover (O, Z or T attack)

For Ultimatic: **Ref P900-B** - 1,5" BSP F - **Ref P902-B** - BS 336 Inst. - **Ref P901-B** - 1" BSP F  
For Midmatic and Midforce: **Ref P900-HM** - 1,5" BSP F - **Ref P902-HM** - BS 336 Inst.



## TAC-LITE

Can be fitted to existing branches (depending on age of model)

- Means the nozzle operator does not have to bother with an extra torch
- Nozzle-operator has one hand free and can advance safely in the dark
- LED light
- 6 hours duration

**Ref: E02.40.000**

## SHO-FLOW

Portable electronic flow-rate indicator for hand held branch.

- Alternate display of flow-rate and pressure
- Audible alert when flow-rate reaches minimum/maximum

• Precision:  $\pm 0.5$  bar/ $\pm 40$  l/min.

**Ref: I13.30.025** - 115 to 470 l/min

**Ref: I13.30.026** - 190 to 750 l/min

**Ref: I13.30.027** - 265 to 1135 l/min



## INTERCHANGEABLE identifier PISTOL GRIPS

Make it easy to **identify branches** after operation



MODEL	YELLOW	BLUE	RED	ORANGE	WHITE	BLACK	GREEN
Flow handle	HM925-YEL	HM925-BLU	HM925-RED	HM925-ORG	HM925-WHT	HM925-BLK	HM925-GRN
Pistol grip	HM692-YEL	HM692-BLU	HM692-RED	HM692-ORG	HM692-WHT	HM692-BLK	HM692-GRN





# Groupe Leader

## RESEARCH AND DEVELOPMENT

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



- > A **multidisciplinary design staff** to develop and produce innovative equipment to meet the **needs of the profession**.
- > Design work carried out in **partnership** with **well-known fire brigades, industries, universities and research laboratories**.
- > **Testing equipment** specifically adapted to the needs of product development and **performance validation**:
  - 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** organization whose purpose is to guarantee customer satisfaction through **control of product conformity**.



## AFTER-SALES SERVICE

- > A **permanent stock** of spare parts enabling 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 in the future**



*Tomorrow's technology today*

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