

Handheld nozzle DM600 DELTA FIRE Automatic - Used



The **DELTA FIRE DM600 automatic firehandheld nozzle** is a professional fire handheld nozzle designed for firefighting operations requiring a high water flow rate, great versatility, and precise control of the water stream. Thanks to its **automatic pressure regulation** system and **six flow settings**, it allows response teams to adjust the water supply to suit operational conditions.

With a flow rate range of **75 to 685 liters per minute at 7 bar**, the DM600 Automatic is suitable for firefighting operations in buildings, industrial facilities, and situations requiring a high volume of water. Its hydrostatically assisted stainless steel slide valve facilitates opening and closing operations.

What is an automatic handheld nozzle?

An **automatic handheld nozzle** is equipped with a mechanism that automatically adjusts the internal opening of the handheld nozzle to maintain a stable outlet pressure when the supply pressure fluctuates.

On the **DELTA FIRE DM600**, this regulation helps maintain spray performance despite pressure fluctuations in the supply line. This allows the operator to focus on the spray direction and the requirements of the operation without having to constantly adjust the handheld nozzle's settings.

6 flow settings from 75 to 685 L/min at 7 bar

The **DM600 Automatic handheld nozzle** has **6 flow rate settings**, with a notched adjustment system that allows the operator to quickly select a setting suited to the situation.

Its operating range, as specified by the manufacturer, extends from **75 to 685 L/min at a reference pressure of 7 bar**. This range allows the amount of water sprayed to be adjusted according to the needs of fire suppression, cooling, or protection.

Flow rate selection and automatic pressure regulation are two complementary functions: the operator selects a flow rate setting, while the automatic mechanism helps stabilize the outlet pressure of the handheld nozzle.

Automatic Regulation for Stable Spray Pressure

The **DM600** is designed to compensate for variations in supply pressure in order to maintain an outlet pressure that is as constant as possible within its operating range.

This feature minimizes the need for manual adjustments during operations and maintains spray performance as hydraulic conditions change.

Automatic regulation is an advantage for firefighting crews operating on systems where pressure may fluctuate.

Powerful straight stream and wide-angle stream for fire protection

The **DELTA FIRE DM600 firehandheld nozzle** s a **powerful, penetrating straight stream** as well as a **dense, diffused stream**, suitable for various firefighting techniques.

The straight stream is particularly useful when the application requires a concentrated spray and good penetration of the water stream.

The spray pattern, on the other hand, produces a dense spray, particularly for cooling hot gases and operations requiring appropriate hydraulic protection.

Fixed serrated teeth for a dense spray pattern

The DM600 is equipped with **fixed serrated teeth** designed to produce a particularly dense spray pattern.

This design enhances spray quality and maximizes the protection capabilities offered by the handheld nozzle during firefighting operations.

Hydrostatically Assisted Stainless Steel Slide Gate

The **DM600 automatic firehandheld nozzle** r incorporates a hydrostatically assisted **stainless steel slide valve**.

This device facilitates the opening and closing of the handheld nozzle and enables smooth, gradual control during operations.

It is particularly well-suited for **pulsed jet** techniques, which are used to cool hot gases in certain fire situations.

A handheld nozzle designed for operations requiring a high water flow rate

With a flow capacity of up to **685 L/min at 7 bar**, the DM600 meets the needs of operations requiring large volumes of water.

It can be used, in particular, for:

- **Building firefighting:** water spray suitable for attack and cooling operations
- **Industrial operations:** use in situations requiring high flow rates
- **Tank cooling:** applying water to walls exposed to heat

- **Building cooling:** limiting the heating of exposed surfaces
- **Cooling hot gases:** use of pulsation techniques when operational conditions require it
- **Protection of responders:** production of a dense spray pattern depending on the maneuver performed

Technical Specifications of the DELTA FIRE DM600 handheld nozzle

- **Manufacturer:** DELTA FIRE
- **Model:** DM600 Automatic
- **Type:** Automatic fire handheld nozzle
- **Flow rate range:** 75 to 685 L/min
- **Reference pressure for flow rates:** 7 bar
- **Flow rate adjustment:** 6 notched positions
- **Regulation:** automatic outlet pressure stabilization system
- **Control:** hydrostatically assisted slide valve
- **Slide valve material:** stainless steel
- **Spray patterns:** straight spray and diffused spray
- **Diffused spray pattern formation:** fixed serrated teeth
- **Applications:** fire suppression, cooling, and protection
- **Manufactured in** the United Kingdom

Benefits of the DM600 Automatic handheld nozzle

- Automatic regulation helps maintain a stable outlet pressure
- 6 easily selectable flow rates
- Wide flow rate range from 75 to 685 L/min at 7 bar
- Powerful, penetrating straight spray
- Dense spray pattern thanks to fixed serrated teeth
- Stainless steel slide valve
- Hydrostatic assistance for easy opening and closing
- Suitable for pulsation techniques used in the cooling of hot gases
- Can be used for cooling buildings and tanks
- Designed for professional firefighting operations

MMF, supplier of firefighting equipment and handheld nozzles

MMF supports fire safety professionals in selecting their hydraulic equipment. The **DELTA FIRE DM600 automatic firehandheld nozzle** is a solution for teams seeking an adjustable-flow handheld nozzle capable of delivering a powerful jet and a dense spray while featuring automatic pressure regulation.