Copy of Handheld multi-flow nozzle TurboJet 1733



AKRON Assault 4866 Fixed-Flow Nozzle handheld nozzle

The**AKRON Brass Assault 4866 h handheld nozzle head** is designed for professionals seeking a simple combination of **fixed flow rate, spray quality, and ease of use**. Part of the Mid-Range Assault line, it features a calibrated orifice that delivers a specific flow rate at a given pressure, eliminating the need for flow adjustments during operation.

The Assault 4866 series is available with several **factory-calibrated flow/pressure combinations**, ranging from 360 to 750 L/min depending on the configuration. This means the user cannot adjust the settings: each nozzle has an orifice corresponding to its nominal flow rate. The main version sold here is configured for **475 L/min at 5 bar*.** AKRON also offers variants operating at 3.5, 5, or 7 bar, allowing the nozzle to be adapted to the hydraulic characteristics of the fire line.

A fixed flow rate for simple and repeatable use

Unlike a multi-flow nozzle, the Assault 4866 model does not allow the operator to select the flow rate during an operation. AKRON offers various hydraulic configurations of the same Style 4866, each factory-calibrated for a specific flow/pressure combination.

This design reduces the number of steps required, simplifies operating procedures, and minimizes the need for recalibration. It is particularly well-suited when crews require a **known and repeatable flow rate** on a specific attack line.

Quick Switch from Straight Jet to Diffused Jet

The Assault 4866 nozzle allows switching from **a straight stream to a spray stream** with a quarter-turn of the adjustment ring. AKRON specifies a minimum spray angle of 100°. The rotating teeth help form the fan spray, while a raised tab allows the user to identify the straight spray position by touch, especially when visibility is limited.

This ergonomic design allows the user to quickly adjust the spray pattern depending on the phase of the operation: establishing range with the straight spray, or protecting or covering a wider area with the fan spray.

A Pyrolite construction designed for the job

The body is made of **Pyrolite**, the alloy used by AKRON in many professional-grade devices to combine durability with a lightweight design. The 1½" version measures approximately **165 mm** in length and weighs about **1.2 kg**.

Its relatively simple mechanical design also facilitates maintenance. Seals, turbine vanes, and various wear parts can be replaced as part of proper maintenance.

Variants Offered by MMF

We offer the Assault 4866 fixed-flow head (475 L/min at 5 **bar***) with **several inlet configurations** to adapt to the equipment and connection standards in use:

- **1½" BSP inlet**;
- **1½" NH inlet**;
- **2½" BSP inlet**;
- **2½" NH inlet**.

Technical Specifications

Specification	Description
Model	AKRON Assault Style 4866
Hydraulic Principle	Fixed flow rate via calibrated orifice
Main Commercial Configuration	475 L/min at 5 bar
Available flow rates at 3.5 bar	550, 610, 660, or 700 L/min
Flow rates available at 5 bar	**475* (model shown)**, 550, 660, or 750 L/min
Flow rates available at 7 bar	360, 475, 550, 660, or 750 L/min
Spray patterns	Straight spray to diffused spray
Spray adjustment	1/4-turn rotation
Spray angle	100° minimum
Material	Pyrolite
Available Inlets	1½" or 2½", BSP or NH threads depending on configuration
Length (1½" version)	165 mm
Weight (1½" version)	1.2 kg
Certification	NFPA 1964

For other flow/pressure configurations, please contact us!

MMF
Protection et Sécurité

Pressure & Flow For Mid-Range Assault Nozzles

NOZZLE BAR	550 @ 3	550 @ 5	550 @ 7	660 @ 3	660 @ 5	660 @ 7	750 @ 3	750 @ 5	750 @ 7	850 @ 7
	Actual LPM									
3	550	462	401	660	541	469	750	617	534	602
5	696	550	492	810	660	575	927	750	655	738
7	802	738	550	435	765	660	1071	874	750	852

Applications of the Assault 4866 Nozzle

The Assault line is designed for various firefighting applications: **building fires, industrial operations, airport emergency response, and wildfires**. However, the choice of flow/pressure configuration must be consistent with the available water supply, the line diameter, and operational requirements.

The nozzle can be paired with a **handheld nozzle -type shut-off valve** to form a complete system. It is also compatible with the **Quick-Attack Style 796 foam hose**. When an injector is used, its flow rate must be properly matched to that of the nozzle to maintain system performance.

Maintenance and Repair of Your AKRON Assault Nozzle

MMF Protection et Sécurité is an **authorized** distributor and **repair center** for the **AKRON Brass** brand. We can advise you on selecting the right configuration, thread type, and compatibility with your system, as well as provide maintenance and repair services for your equipment in our workshop.

Assault nozzles must be inspected regularly and rinsed with clean water after use with foam. We can supply the original replacement parts and repair kits necessary to maintain the equipment's performance.

Frequently Asked Questions About the AKRON Assault 4866

Is the flow rate of the Assault 4866 nozzle adjustable?

No. Each configuration has a **fixed flow rate calibrated for a specific pressure**. The main configuration shown here delivers 475 L/min at 5 bar. The setting accessible to the user controls the spray pattern, not the flow rate.

What is the difference between a BSP inlet and an NH inlet?

These are two different threading standards. The nominal diameter may seem comparable, but the threads are not directly interchangeable. The appropriate version must be selected based on the fitting present on your system.

Can the Assault 4866 nozzle be used with foam?

Yes. AKRON authorizes its use with standard firefighting foams and specifically ensures compatibility with the Quick-Attack Style 796 foam hose. However, the flow rate of the nozzle and that of the injection system must be

properly matched.