DB100 DL fire hydrant flowmeter with valve



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The **DB100 DL flowmeter** is a professional measuring device designed for **monitoring and checking fire hydrants**. Fully digital, it enables precise measurement of **water flow, pressure and volume** during regulatory testing or maintenance operations.

Robust, autonomous and adapted to the most demanding field conditions, this fire hydrant controller is a reliable solution for network operators, local authorities and fire safety professionals.

How a flowmeter works

A **flowmeter** is a device used to measure the volume of fluid flowing through a pipe over a given period of time. In the case of the DB100 DL, measurement is based on a **Woltmann-type turbine**, renowned for its accuracy in high-flow hydraulic applications.

When water flows through the device, it causes the turbine to rotate. This rotation is converted into digital data, which is displayed in real time:

- **Instantaneous flow rate** (m^3/h)
- **Total volume flowed**
- **Network pressure**

This principle guarantees **reliable, reproducible measurement**, essential for hydrant performance control and regulatory compliance.

DB100 DL technical specifications

Characteristic	Value
Product type	Hydrant flowmeter with valve
Measuring technology	Industrial Woltmann turbine (stainless steel + ceramic)

Maximum flow rate	300 m³/h
Accuracy	Up to 99% of flow and pressure
Internal accuracy	0.05 m³/h - 0.05 bar
Maximum pressure	16 bar in use / 25 bar overpressure
Pressure sensor	Up to 100 bar
Display	Waterproof IP68 digital (flow, volume, pressure)
Functions	Real-time display + end-of-test summary
Operating life	10 years (lithium battery - approx. 5000 h)
Weight	9.5 kg
Construction	Stainless steel reinforcements + reinforced stainless steel inlet filter
Feet	6 mm thick stainless steel
Dimensions	Approx. 350 to 400 mm (depending on configuration)
Mounting	Direct to hydrant (fire hydrant)
Protection class	IP68

Operational benefits

The DB100 DL is designed to simplify hydrant monitoring operations and make them more reliable:

- Precise, reliable measurement of network performance
- Direct data reading without additional instrumentation
- Resistant to field conditions (shock, humidity, intensive use)
- Time-saving verification operations
- Exceptional autonomy without energy maintenance

Business applications

- Regulatory inspection of fire hydrants
- Fire network maintenance
- Local authorities and water services
- Industry and sensitive sites

A complete range of fire-fighting equipment with MMF

MMF supports professionals with a selection of technical equipment dedicated to the **measurement, control and performance of fire networks**. By integrating solutions such as the **DB100 DL flowmeter**, MMF offers reliable products adapted to field requirements.

With a view to standardization and compatibility, MMF is also developing a **complete range of fittings and equipment that comply with European standards**, enabling it to meet the needs of local authorities, operators and industrialists with the highest technical standards.