

2 x DSP65 and AR 100 flap valve fire hydrant



Double inlet valve manifold for professional fire-fighting systems

This **2 x DSP65 / AR100 valve manifold** is a hydraulic component designed to combine two water inlets (DSP65 quick couplings) into a single discharge line (AR100 outlet), while providing independent **non-return protection** on each inlet. It is particularly well suited to heavy-duty applications in fire-fighting **networks**, whether in industrial environments, public facilities or on fire-fighting vehicles (pump trucks, motor-driven pumps).

Robust aluminium construction - reliability and durability

The main body is made of **high-strength aluminum alloy** with anti-corrosion surface treatment. This construction guarantees excellent mechanical resistance, even in the event of prolonged exposure to humidity, thermal shock or harsh outdoor environments.

DSP65 and AR100 fittings are precision-machined to ensure a perfect seal and rapid connection, in line with fire-fighting equipment standards.

Check valves: enhanced hydraulic safety

Each DSP65 inlet is fitted with a **stainless steel**, spring-loaded **check valve**, as shown in the product photos. This system makes it possible to:

- Prevent unwanted backflow to suction lines.
- Secure supply in the event of simultaneous connection of two sources at different pressures.
- Ensure **safe, independent operation** of each line.

Valves can be dismantled for servicing, enabling rapid maintenance without complete removal.

Difference from a standard division

Unlike a **division** (or distribution Y), which separates a flow without return control, this manifold is fitted with restraint devices. It is therefore essential for :

- Avoid reverse pressure surges.
- Protect upstream equipment.
- Comply with fire extinguishing system requirements in accordance with NF and EN standards.

Detailed technical specifications

- **Type:** Non-return valve manifold
- **Inlets:** 2 x DSP65 (male fireman's quick coupling)
- **Outlet:** 1 x AR100 (female quick connector)
- **Body material:** High-strength cast aluminum
- **Valves:** Stainless steel with spring return - removable
- **Pressure rating:** 16 bar (PN16)
- **Operating temperature:** -20°C to +60°C
- **Application:** Suction/return in fixed or mobile fire-fighting systems
- **Weight :** ~5.6 kg (depending on configuration)

Typical applications

Used **by fire departments, industrial fire safety services** and **hydrant network installers**, this manifold is indispensable for :

- Draw-off points with multiple sources (hydrants, tanks, motor-driven pumps).
- Temporary installations for emergency response.
- Redundant systems on high-risk sites (SEVESO, tunnels, logistics platforms, etc.).

MMF availability and support

As a **specialist retailer of fire-fighting equipment**, MMF offers you this valve manifold in a standard version or on specific request (other diameters, reinforced configurations). Our technical teams will support you in

- Choice of equipment according to your specifications.
- Advice on network compatibility and connection.
- Supply and after-sales service.

Contact MMF for a personalized quote or technical advice on your fire installations.