

Copy of Mounting Tripod for firefighting monitor (without faucet)



This **shut-off valve for firefighting monitor** allows you to control the water supply to a monitor installed on a fixed network or a fire protection system. Designed **butterfly valve**, it helps insulate the monitor from the network and to control the opening or closing of its hydraulic supply.

Available in **DN65, DN80, and DN100**, this isolation valve is particularly well-suited for installation upstream of a **firefighting monitor**. Its compact, wafer-style design with centering tabs makes it easy to install between flanges while minimizing the overall footprint of the hydraulic assembly.

Why install a shut-off valve on a firefighting monitor ? ?

A **firefighting monitor** is supplied by a hydraulic system capable of providing the flow rate needed to spray water or fire-suppressant solution. The installation of a **shut-off valve** on the power line allows you to control the power supply and isolate the monitor when necessary.

Located upstream of the monitor, the valve makes it possible, in particular, to **shut off or restore the hydraulic supply**. It is therefore an important tool for the integration of the monitor in a fire suppression system and also facilitates operations that require the equipment to be isolated.

Butterfly valve: a compact design for supplying a firefighting monitor

This valve operates on the principle of the **butterfly valve**. A disc located inside the body rotates around its axis to regulate the flow of fluid. The rotation of the butterfly valve thus ensures that the pipe is shut off.

The Design **Wafer with centering tabs** allows the valve to be installed directly between the pipe flanges. This compact design is particularly useful in a firefighting monitor, where the space required by hydraulic fittings and accessories must be kept to a minimum.

3 diameters available: DN65, DN80, and DN100

MMF offers this **shut-off valve for firefighting monitor** in three diameters to accommodate different supply configurations:

- **DN65** : DN65 butterfly valve ;
- **DN80** : DN80 butterfly valve ;
- **DN100** : DN100 butterfly valve.

The diameter should be selected based on the **connection diameter of the firefighting monitor** and the characteristics of the hydraulic line on which it is installed.

Design Suitable for Hydraulic Systems

The **butterfly valve** features a design that combines a ductile iron body, a stainless steel butterfly valve, and an ACS-certified EPDM seal. This combination is designed for use in various water systems and is particularly well-suited for use as a **shut-off valve on a hydraulic supply line**.

- **Body**: ductile cast iron, grade GJS-500-7 ;
- **Butterfly**: ASTM A351 CF8M stainless steel ;
- **Lead**: EPDM ACS ;
- **Focus**: AISI 304 stainless steel ;
- **Design**: through-shaft ;
- **Body coating**: Rilsan-coated paint, RAL 5024, thickness 250 to 300 µm.

Flange-to-flange isolation valve, PN10 / PN16

By diameter **DN65, DN80, and DN100** Among the options available for this application, the butterfly valve allows for a **flange-to-flange connection, PN10 / PN16**. Its design, which includes centering tabs, makes it easier to position the valve when installing it on the pipe.

This flange-to-flange installation creates a compact assembly between the supply system and the firefighting monitor or the various hydraulic components that make up its system.

Pressure up to 16 bar for DN65, DN80, and DN100

For the three diameters listed on this sheet, **DN65, DN80, and DN100**, the maximum allowable pressure specified by the manufacturer is **16 bar**. The specified permissible temperature range extends from **-20 °C to +110 °C**.

These features allow the butterfly valve to be integrated into various hydraulic systems, provided that the operating, installation, and compatibility requirements specified by the manufacturer are met.

Manual control of the power supply to the firefighting monitor

The lever control allows the operator to directly activate the **shut-off valve for the firefighting monitor**. For DN65, DN80, and DN100 diameters, the handle has several positions that allow you to adjust the butterfly valve's position.

The valve can therefore be used to **turn the power on or off for the monitor**, but also to regulate the flow of fluid when the system configuration requires it.

Motorized butterfly valve for fire protection systems

For systems requiring automated control, the butterfly valve is also **motorizable**. Its design includes a base plate **ISO 5211** allowing for the installation of a compatible actuator.

This option may be particularly appealing for a system equipped with a **firefighting monitor fixed or remote-controlled**, when the system design also calls for remote control of the isolation valve. The selection and sizing of the actuator must be based on the specific installation.

Technical Specifications of the Shut-off Valve for firefighting monitor

- **Product:** shut-off valve for firefighting monitor
- **Technology:** butterfly valve
- **Design:** Wafer with centering tabs
- **Available diameters:** DN65, DN80, and DN100
- **Editing:** between flanges
- **Flange compatibility:** PN10 / PN16 for the available diameters
- **Maximum allowable pressure:** 16 bar
- **Permissible temperature:** -20 °C to +110 °C
- **Body:** ductile cast iron, grade GJS-500-7
- **Butterfly:** ASTM A351 CF8M stainless steel
- **Lead:** EPDM ACS
- **Focus:** AISI 304 stainless steel
- **Order:** manual lever operation
- **Engine:** possible via an ISO 5211 mounting plate
- **Primary function:** Isolation and control of the hydraulic power supply to a firefighting monitor.

The advantages of this valve for firefighting monitor

- Allows you to isolate the hydraulic supply from the firefighting monitor
- Three diameters suitable for fire protection systems: DN65, DN80, and DN100
- Compact design with a butterfly valve
- Wafer Mounting Between Flanges PN10 / PN16
- Sturdy ductile iron body
- CF8M Stainless Steel Butterfly Valve
- ACS EPDM Gasket
- Maximum pressure rating of up to 16 bar for the three available diameters
- Simple manual lever control
- Option for motorization via an ISO 5211 mounting plate
- Solution designed for integration into a food production line firefighting monitor.

Hydraulic fitting for installing a firefighting monitor

The selection of hydraulic components contributes to the proper integration of a **firefighting monitor on its power grid**. This butterfly valve provides a compact shut-off point directly on the line supplying the monitor.

Versions **DN65, DN80, and DN100** allow the valve to be adapted to the diameter of the system and the monitor partner. To create a coherent system, it is also necessary to take into account the flow rate required by the

monitor, the available pressure, the connections, and other components in the system.

MMF, a specialist in firefighting monitors and their accessories

MMF offers professionals a range of **firefighting monitors, hydraulic fittings and accessories** intended for the construction and equipping of fire protection systems. Available in **DN65, DN80, and DN100**, this butterfly valve is used to complete the installation of a firefighting monitor by isolating its power supply line.