

TECHNICAL DATA SHEET / EN

MONARCH BFV-02/G

Grooved indicating butterfly valve

A compact isolation valve with grooved ends, manual gear operation and position indication. It controls access of water to a selected section of a fire-protection system.

The handwheel and gear operator rotate the resiliently sealed internal disc between open and shut. The supervisory arrangement can report movement from the required operating position when correctly connected.



01 Technical parameters

Parameter	Value / condition
Working pressure	300 psi / 20.7 bar
Connection	Grooved x grooved
Size range	DN50, DN65, DN80, DN100, DN125, DN150, DN200

For fire-protection water lines with compatible grooved connections. The documented size schedule is DN50–DN200 at 300 psi; do not extend this range using another butterfly-valve model.

02 Sizes and connections

DN	NPS [in]	OD [mm]
50	2	60.3
65	2½	76.1
80	3	88.9
100	4	114.3
125	5	139.7
150	6	168.3
200	8	219.1

03 Main component materials

Component	Material / construction
Body	Ductile iron 65-45-12
Disc	Ductile iron 65-45-12 encapsulated in EPDM
Resilient sealing element	EPDM
Gear operator	Rotork FB10
Body coating	Corrosion-resistant coating

04 Selection and compatibility

Select the exact connection, size and working pressure and leave space for operation and maintenance. Confirm the supervisory contact and wiring against the actual product marking; the contact rating is not a power-supply requirement.

05 Installation and checks

Qualified personnel must install the valve coaxially in independently supported pipework, leaving the disc free to rotate. Use the correct connection and electrical instructions. Before removal or internal service, isolate, drain and completely depressurise the section under the site's impairment procedure.

06 Operation and maintenance

Inspect for leakage, corrosion, free full travel, correct indication and supervisory operation. Obtain replacement parts for the exact approved construction through Mercatura.

Application limitations

The valve is intended for isolation in a fire-protection water line. Do not infer flange compatibility, test pressure or a PN class from a pressure conversion. Confirm the complete-valve temperature limits before selection; protect water-filled systems from freezing.

07 Ordering information

Variant	Mercatura code
DN50 / 60.3 mm	M-BFV-02/G-060
DN65 / 76.1 mm	M-BFV-02/G-076
DN80 / 88.9 mm	M-BFV-02/G-089
DN100 / 114.3 mm	M-BFV-02/G-114
DN125 / 139.7 mm	M-BFV-02/G-139
DN150 / 168.3 mm	M-BFV-02/G-168
DN200 / 219.1 mm	M-BFV-02/G-219

Specify finish, gasket and required approval scope with the variant identifier. The identifier alone does not establish these attributes.