

TECHNICAL DATA SHEET / EN

MONARCH BFV-02/W

Wafer indicating butterfly valve

A between-flange isolation valve with manual gear operation, position indication and a supervisory arrangement. The wafer body fits between the verified mating flanges in the pipework.

The geared handwheel rotates the resiliently sealed disc. Correctly wired supervisory contacts allow the monitoring circuit to detect a change from the required valve position.



01 Technical parameters

Parameter	Value / condition
Working pressure	300 psi / 20.7 bar
Connection	Wafer, between compatible flanges
Size range	DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300

For suitable flanged fire-protection water lines. The size schedule covers DN50–DN300 at 300 psi. Flange drilling, face-to-face length, bolts and free disc clearance must match the exact assembly.

02 Certification and scope

Document	Number	Scope
FM Approvals	PR474502	Model Monarch BFV-02/W

Approval scope depends on model, exact size, execution, pipe, gasket and pressure. Approval is not transferable between variants.

03 Sizes and connections

DN	NPS [in]
50	2
65	2½
80	3
100	4
125	5
150	6
200	8
250	10
300	12

04 Main component materials

Component	Material / construction
Body and disc	Ductile iron ASTM A536 Grade 65-45-12
Disc seat / shaft seals / O-rings	EPDM, ASTM D2000
Upper and lower shaft	Stainless steel 416, ASTM A582
Gear ratio	24:1
Supervisory contact	RV-162-1C25, 16 A / 250 V AC

Materials specified for WD371X execution, DN65–DN150. Do not extrapolate this specification to other sizes.

05 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.

06 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.

07 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.

08 Ordering information

Variant	Mercatura code
DN50 / 60.3 mm	M-BFV-02/W-060
DN65 / 76.1 mm	M-BFV-02/W-076
DN80 / 88.9 mm	M-BFV-02/W-089
DN100 / 114.3 mm	M-BFV-02/W-114
DN125 / 139.7 mm	M-BFV-02/W-139
DN150 / 168.3 mm	M-BFV-02/W-168
DN200 / 219.1 mm	M-BFV-02/W-219
DN250 / 273 mm	M-BFV-02/W-273
DN300 / 323.9 mm	M-BFV-02/W-324

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