

FIP FE automatic butterfly valve

FIP + NedValve



The FIP-FE butterfly valves are available with preassembled electric or pneumatic actuator to allow the butterfly valves to be operated automatically.

For underground applications, the butterfly valve must be designed with a steel shaft extension.

APPLICATION

Irrigation systems with relatively high capacities: ebb and flood systems, drip irrigation systems, in main and suction lines

CHARACTERISTICS OF ELECTRIC ACTUATOR

- ✓ NedValve 24V AC/DC basic or smart actuator
- ✓ Runtimes 1 to 45 sec (depending on type)
- ✓ incl. 2 extra limit switches
- ✓ incl. anti-condensation heater element
- ✓ incl. thermostat
- ✓ incl. position indicator
- ✓ incl. manual actuation
- ✓ Optionally with 4-20 mA feedback

CHARACTERISTICS OF PNEUMATIC ACTUATOR (COMPRESSED AIR)

- ✓ Double-acting actuator
- ✓ Double stroke setting (start and end)
- ✓ Control by Namur 5/2-way valve with plastic dampers, 6 mm air connection
- ✓ Running time adjustable with plastic throttle valve
- ✓ Control pressure 6 bar compressed air (conditioned)
- ✓ Optional as single-acting version (with spring return)
- ✓ Optional with electric limit switch (see information sheet 'Pneumatic drive REV Series')

TECHNICAL DATA

| | |
|------------------------------------|---|
| Diameter | : 50 - 315 mm |
| Operation | : electric (NedValve) or pneumatic (REV/AP Series), optionally using a steel shaft extension of 0,5 / 1,0 or 1.5 m (other sizes on request) |
| Maximum temperature | : 60°C (with decreasing maximum working pressure) |
| Maximal working pressure (at 20°C) | : up to 16 bar - to 63 mm : up to 10 bar - 75 - 200 mm : up to 6 bar - 250 mm : up to 4 bar - 315 mm |
| Blade material | : PVC-U (housing) : PVC-U (damper blade) : EPDM (seal) |
| Option | : shaft extension : Narrow galvanized steel flanges to stay within the column width : PE-connection : St. St. bolts |

NedValve actuator selection*

| Model | Dia- meter (mm) | Standard speed (sec) | Cable length (meter) | Application |
|-------|-----------------------|----------------------------|----------------------------|-----------------------|
| STB | 50 - 315 | 10 / 25 | 0,5 / wirebox | standard applications |
| QB20 | 50 - 75 | 1 | 7,0 | fast selection |
| QS15 | 50 - 75 | 1 - 5 | 7,0 | valve set selection |
| QB | 90 - 200 | 5 | wirebox | valve set selection |

* Other configurations (i.e. CS for flow management on request)