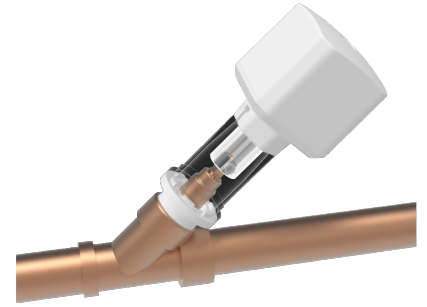


Data Sheet: (KFRLWE01)



# Motor Servo for Angled Seat Valves

SKU: KFRLWE01

Version: 1.0.0



## Product Description

The Angle Seat Valve Servo is a motor for retrofitting existing and installed gate or angled seat gate valves, popular in several European countries, into intelligent water control devices. It can be installed and removed without any special tools and without interrupting water supply or cutting even into the pipe. The device supports LoRaWAN industry standard for easy integration into existing networks, and it can be controlled directly from an Aqua-Scope Monitor using LoRaP2P. One local button allows manual operation. The motor is powered by an external 12V power supply.

Various adapter rings and an ingenious connection system allow the motor to be used on all modern angled seat valves from DN15 to DN32. The unit can operate in harsh environments, even submerged, and can be wired directly to an additional local water sensor pad.

## Scope of Delivery

## Data Sheet: (KFRLWE01)

- Motor with power cable
- 4 \* adapter rings to connect to the valve housing
- 3 different connectors for the stem
- One small Distancing and the Splitring for EWE Valve Design
- Holder plus 2 wrist bands
- Main sleeve plus internal coupler
- Two Distance rings
- External wired Flood Sensor
- External Power Supply
- Spare Hand Wheel
- Users Manual
- 57 gr Epoxy

## Technical Data

- SKU: KFRLWE01
- EAN: 4251295783 277
- Mechanical Performance:
  - Rotation Speed: 15 rpm
  - Travel Time (full open close): 40 s
  - Mechanical Power: 10,95 W
  - Gearbox: 1 to 704 ratio
  - Noise: < 50 dB
  - Vibration: < 10 dB
- Installation space:
  - Min. Space from Wall: Pipe center min 35 mm from wall
  - Min. Space vertically: 175 mm above pipe center
  - Min. Space vertically for installation: 220 mm above pipe center
  - Adapters: M17, M22, M27, M30
  - Supported Stem height (from bottom of bonnet): 58 mm - 135 mm, raising and non-raising spindles
  - Supported Stem connector: 6, 7, 8 mm square
  - Supports Pipes DN15 ... DN 32
- Controls and interfaces:
  - Tree Color LED (red, yellow, green)
  - Single button for local operation and alarm clearing
  - Jack to plug-in external water sensor pad for local loop operation
- RF Communication LoRaWAN
  - Radio Chip: SX 1261
  - Standard: Class C
  - Frequency: 868...869 MHz, other frequencies such as US configurable
  - Range: 150 ... 200 m (depends on gateway)
  - Network Joining: OTAA
- Dimensions and Shipment:
  - Weight: 380 ... 420 gr (depends on adapters used)

## Data Sheet: (KFRLWE01)

- Dimensions: 70 x (170 ... 195) mm
- Electrical data:
  - Voltage: 12 V DC
  - Max. Current: < 1000 mA
- Environmental Conditions and Trading
  - Shipment/Storage: -30 °C ... +70 °C
  - Operation: - 20 °C ... 60 °C
  - Outdoor Use: IP67 (to power supply coupling), Power Supply is IP20
  - UN Customs Tariff: 85011093900