



Series 50.007.806



Characteristics

- Servo controlled
- Double filtering of the pilot water
- Pre-tested functional unit
- Long term performance capability
- Internal pollution protection
- Compact design
- Optimized water hammer characteristic by low noise emission according to EN 60730
- Easy to assemble and service
- Low power consumption
- Any fitting position
- High operating safety by the use of high quality materials and 100% final testing of the products

Description

2/2 way solenoid bi stable valve DN 7, operated by pilot valve to control potable water and is especially suitable for the application in battery operated electronically controlled faucets.

The power consumption is minimised by the use of impulse control (pwm), to achieve with primary cells a high capability with assured valve function.

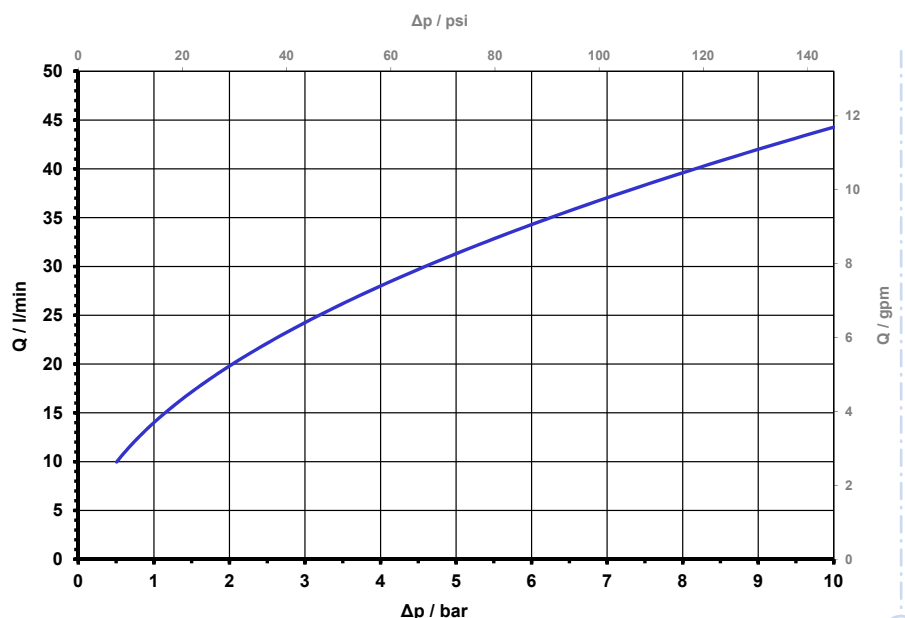
Applications

- Sanitary faucets

Approvals

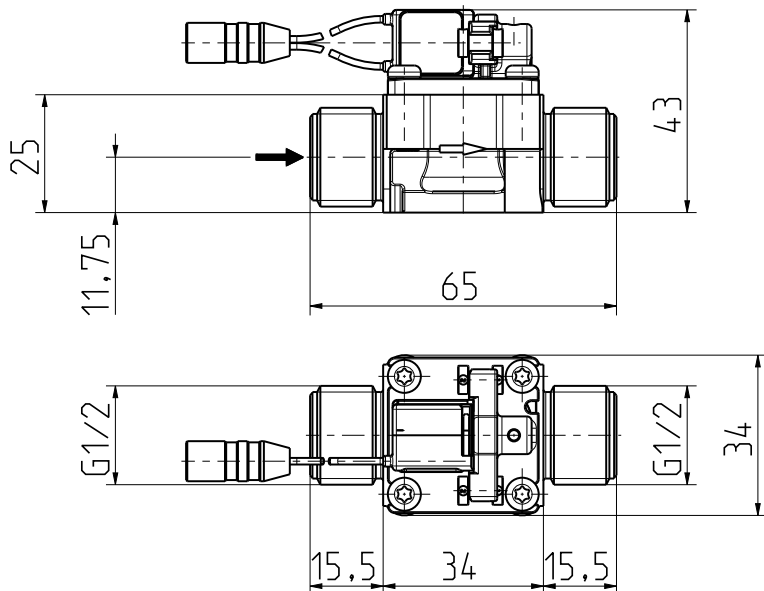
- KTW-BWGL System 1+
- ACS
- WRAS
- NSF 61

Typical Performance Curve



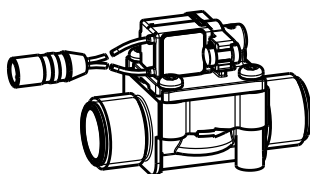


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Materials

| | |
|-----------------------|-----------------|
| Valve body | PA 6/6 |
| Plunger guide | LCP |
| Plunger and spring | Stainless steel |
| Membrane and sealings | EPDM |
| Membrane insert | PSU |
| Pilot valve socket | PESU |
| Coil coating | Hotmelt |



Technical Data

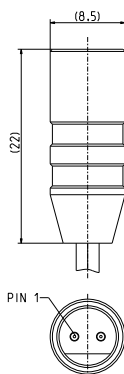
| | | |
|-------------------|---|------------------------|
| Type | Horizontal valve | |
| Construction | 2/2-way, servo-controlled | |
| Function | Bi stable, pulse controlled | |
| Fitting position | Any, preferably with coil horizontal | |
| Media | Cold and heated potable water and physically and chemically similar media | |
| T-Medium | 5 - 70 °C | (5 - 80 °C max 10 min) |
| T-Ambient | 5 - 60 °C | |
| DN | 7 | mm |
| p-Operating | 0,5 - 10,0 bar | |
| Flow factor Kv | 14 | l/min @ 1 bar |
| pressure surge | According to EN 60730 | |
| Nominal voltage | 6 | V DC |
| | other voltages on request | |
| Operating voltage | 4,0 - 6,9 V DC open/close at T-Ambient 25 °C | |
| Pulse shape/-time | | |
| Nominal power | 1,4 W | at nominal voltage |
| Protection Type | IP 65 | according to EN 60529 |
| Insulation class | B | according to EN 60730 |
| Protection class | III | according to EN 60730 |

Good resistance to thermal (e.g., T-medium 80 °C / 10 minutes) and chemical disinfection.

Hygiene advantage by air testing prior to delivery.

Options

| Connection type | K - standard cable length |
|--------------------------|---------------------------|
| with leads and connector | 85 mm |
| with leads | 120 mm |
| connector | on request |



Male connector

Polarity of connector:
 strand color RED Pin 1 PLUS(+) pulse to open
 strand color BLACK MINUS(-)