

# Works with Watergate Server

## Reference Guide

This reference guide provides a list of modules and accessories tested and verified for compatibility with the Watergate Server. It is intended for engineers, designers and integrators who require clear guidance when specifying devices for water management systems.

The list reflects the current state of validated compatibility at the time of publication and will be expanded as additional devices are tested and approved. For requirements or products not listed in this document, please contact Watergate for the latest compatibility information.

### Flow meters

| Picomag DMAx             |   |
|--------------------------|---|
| Nominal diameter         | DN15 1/2 "<br>DN20 3/4"<br>DN25 1"<br>DN50 2"   |
| Measured variables       | Volume flow, temperature, and conductivity  |
| Accuracy                 | Volume flow: +/-0.8% o.r. +/- 0.1% o.f.s  |
| Measuring range          | DMA15: 0.05 - 25 l/min<br>DMA20: 0.1 - 50 l/min<br>DMA25: 0.2 - 100 l/min<br>DMA50: 1.5 - 750 l/min |
| Max. process pressure    | 16 bar  |
| Medium temperature range | -10-70°C  |
| Communication            | IO-LINK, Pulses   |

| <b>Promag H10</b>        |  |
|--------------------------|--|
| Nominal diameter         | DN65 2 1/2"<br>DN80 3 "<br>DN100 4 "<br>DN125 5 "<br>DN150 6 "   |
| Measured variables       | Volume flow, temperature, and conductivity   |
| Accuracy                 | Volume flow: +/-0.5% o.r. +/- 1 mm/s   |
| Measuring range          | DN65: 8 - 2000 l/min<br>DN80: 12 - 3000 l/min<br>DN100: 20 - 4700 l/min<br>DN125: 30 - 7500 l/min<br>DN150: 42 - 10000 l/min |
| Max. process pressure    | 40 bar   |
| Medium temperature range | -10-70°C   |
| Communication            | IO-LINK, Pulses  |

## Pressure sensors

| <b>WIKA O-10(T)</b> |                      |
|---------------------|----------------------|
| Connection          | Standard G1/4" EN837 |
| Accuracy            | ±0.5% o.f.s          |
| Measuring range     | 0-16 bar             |

| WIKA O-10(T)             |             |
|--------------------------|-------------|
| Overload limit           | 200%        |
| Medium temperature range | -30-100°C   |
| Output signal            | 4 ... 20 mA |

## Actuator & Valves

| Belimo R225PW-Q & LR24A-MOD |                      |
|-----------------------------|----------------------|
| Control function            | Open/Close           |
| Actuation time              | 75 s                 |
| Valve type                  | Ball-valve           |
| Nominal diameter            | DN25 (1")            |
| Operating pressure          | PN40                 |
| Kvs                         | 40 m <sup>3</sup> /h |
| Ambient temperature range   | 5-40°C               |
| Medium temperature          | 5-100°C              |

| Belimo R232PW-Q & NR24A-MOD |            |
|-----------------------------|------------|
| Control function            | Open/Close |

| <b>Belimo R232PW-Q &amp; NR24A-MOD</b> |                      |
|--|----------------------|
| Actuation time                         | 90 s                 |
| Valve type                             | Ball-valve           |
| Nominal diameter                       | DN32 (1 1/4")        |
| Operating pressure                     | PN25                 |
| Kvs                                    | 63 m <sup>3</sup> /h |
| Ambient temperature range              | -30-50°C             |
| Medium temperature                     | 5-100°C              |

| <b>Belimo R240PW-R &amp; SR24A-MOD</b> |                       |
|--|-----------------------|
| Control function                       | Open/Close            |
| Actuation time                         | 90 s                  |
| Valve type                             | Ball-valve            |
| Nominal diameter                       | DN40 (1 1/2")         |
| Operating pressure                     | PN25                  |
| Kvs                                    | 100 m <sup>3</sup> /h |
| Ambient temperature range              | -30-50°C              |
| Medium temperature                     | 5-100°C               |

| <b>Belimo R250PW-S &amp; SR24A-MOD</b> |                       |
|--|-----------------------|
| <b>Control function</b>                | Open/Close            |
| <b>Actuation time</b>                  | 90 s                  |
| <b>Valve type</b>                      | Ball-valve            |
| <b>Nominal diameter</b>                | DN40 (2")             |
| <b>Operating pressure</b>              | PN25                  |
| <b>Kvs</b>                             | 150 m <sup>3</sup> /h |
| <b>Ambient temperature range</b>       | -30-50°C              |
| <b>Medium temperature</b>              | 5-100°C               |