Type 2632 is a control valve with an electropneumatically operated positioner which offers the main functional groups position sensor, electropneumatic control system and micro-processor controlled electronics. The position sensor which, depending on the specific coupling, is located in or outside of the positioner, measures the actual regulating distance of the continuous valve. The micro-processor controlled electronics continuously compares this actual value to a controller output, pre-defined by the standard signal input. In case of a control difference, the electro-pneumatic control system corrects the control position. Due to the 4...20 mA standard transmitter input the positioner can also be used as a cascaded process controller for controlled variables such as flow, temperature, pressure, level etc.

**Advantages / Benefits**

- **Ultra compact design**
  - Low weight
- **Automatic self-adjustment of basic parameters**
  - by finger tip control
- **Integrated, cascaded process controller with parameter definable PID-algorithm**
- **User-friendly operation**
  - LCD and key pad
  - Clear menu-guided control
  - Code-protection against unauthorized access
- **High operating safety**
  - Maintenance-free packing glands

**Applications**

Positioning of pneumatically operated continuous valves

- Textile dyeing and bleaching
- Food processing
- Chemical process engineering
- Water treatment
- Medical technology (Sterilizers)
- Mechanical engineering

**Design**

Stainless Steel, DN15 - DN50 mm, PN16

- Programmable flow curves:
  - linear, equal percentage
  - freely programmable via restart points
- No control air consumption in stabilized condition
- Common exhaust via G1/8 port connection
- Pipe free coupling to Burkert position control valves
- Various connection options to stroke and part-turn valve actuators
- Excellent flow characteristic combined with high flow rates

**bürkert**

Easy Fluid Control Systems
### Technical Data Positioner Type 1067

**Electrical Data**
- Voltage supply: 24 V DC
- Power consumption: < 10 W
- Signal input for positioner: Unit signal: 4 ... 20 mA, 0 ... 20 mA, 0 ... 10 V
- Binary input: Configurable as normally open or closed contact.
- Connection: Clamping screw 1,5 mm, Cable gland 2 x PG 9

**Pneumatic Data**
- Instrument air: Air, filtered compressed air, lubricated or non-lubricated
- Pressure range: 0 ... 6 bar
- Air performance
  - Air inlet valve: 33 (66) Nl/min
  - Exhaust valve: 38 (76) Nl/min

Internal air consumption in leveled status: 0 Nl/min
Connection: Internal screw thread G 1/8".

### Technical Data Control Valve 2632

**Valve**
- Size (DN): 15, 20, 25, 32, 40, 50
- Rangeability: Control range ≥50:1
- Flow features: Modified equal percentage
- Flow capacity: see table page 4
- Medium temperature: -10°C...+180°C
- Max. Operating pressure: 16 bar (at ambient temperature)

**Actuator**
- Actuator size (ø mm): see table page 3
- Signal (bar):
  - Air min. 5.5 bar, air max. 7 bar
- Function: Normally closed under spring force. Flow-direction under seat.

**Tightness**
According to ANSI B 16-104 Class IV (St.St. seat and St.St. seal)

### Material
- Design without positioner

#### Functional Diagram

**External position of reference value**
**Reference value of process**

**Feedback/Positional Transducer**
- Actual-Position
- Desired-Position
- Process Control

**Positioner**
- Supply air
- Exhaust air

**Solenoid Valves**

**Sensor**

1. Valve body: 1.4581 Stainless steel
2. Plug and stem: 1.4401 Stainless steel or 1.4401 St.Steel and PTFE
3. Pin: 1.4401 Stainless steel
4. Valve bonnet: 1.4401 Stainless steel
5. Actuator: PA
6. Packing glands: PTFE
7. Packing box: 1.4401 Stainless steel
### Ordering Chart

<table>
<thead>
<tr>
<th>Orifice DN [mm]</th>
<th>Actuator size [mm]</th>
<th>Max. op. pressure [bar]</th>
<th>Seal</th>
<th>Weight [kg]</th>
<th>Item-No. for different connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>63</td>
<td>16.0</td>
<td>S.St./S.St.</td>
<td>2.7</td>
<td>G 1/2 420 658 N 21.3 x 1.6 420 682 X 34.0 420 676 G 1/2</td>
</tr>
<tr>
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<td>63</td>
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<td>S.St./S.St.</td>
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<td>80</td>
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<td>G 11/4 420 661 H 42.4 x 2.0 420 685 S 50.5 420 676 G 1/2</td>
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<td>40</td>
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<td>10.0</td>
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<td>8.1</td>
<td>G 2 420 663 B 60.3 x 2.6 420 687 U 77.5 420 676 G 1/2</td>
</tr>
</tbody>
</table>

#### Easy Pressure Control
- Flow Control
- Temperature Control

- **Easy to commission**: Automatic self-adjustment of basic parameters by finger tip control
- **Easy to install**: Compact design
  - Flanged connection using Burkert piston valves
  - Delivered pre-mounted, tested and ready to install
  - Requires less space than conventional control valves
- **Easy to operate**: User-friendly operation
  - LCD and key pad
  - Menu-guided access
  - Programmable characteristic curves

---

**Burkert Link**

Burkert control valve with Burkert digital flow transmitter for continuous process control.
System 2000 for continuous control

Type 2632
with Positioner

Specifications - Flow Capacity

<table>
<thead>
<tr>
<th>Plug travel [%]</th>
<th>DN15</th>
<th>DN20</th>
<th>DN25</th>
<th>DN32</th>
<th>DN40</th>
<th>DN50</th>
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<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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Dimensions [mm]

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<tr>
<th>DN</th>
<th>Actuator size</th>
<th>B</th>
<th>P</th>
<th>A</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>øF</th>
<th>øG</th>
<th>øH</th>
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<td>Rc 1/2</td>
<td>NPT 1/2</td>
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<td>262</td>
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Variable dimensions [mm]

In case of special requirements please consult for advice.

We reserve the right to make technical changes without notice.

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