

## Push-in flow sensors // VTY20



**VTY20**

### Your advantages

| Series | VTY20  |
|--------|--|
|        | <ul style="list-style-type: none"> <li>• Low deviation in mass production, fixed pulse rate</li> <li>• High measuring accuracy</li> <li>• Low wear and extremely long durability due to high quality bearing</li> <li>• Compact dimensions, proven in numerous mass production applications</li> </ul> |

#### 1 Push in turbine

|                           |                               |
|---------------------------|-------------------------------|
| <b>Flow range</b>         | 1...60 l/min                  |
| <b>Accuracy</b>           | ±1 % of range ±1 % of reading |
| <b>Repeatability</b>      | ±1 %                          |
| <b>Signal output</b>      | From 0.8 l/min                |
| <b>Medium temperature</b> | 0...90 °C                     |
| <b>Nominal diameter</b>   | DN 20                         |

#### Approvals



NSF/ANSI 372  
NSF/ANSI 61



**Available for:**  
VY2060K50000YY

Plastic parts and O-Ring comply with KTW-guidance or the Elastomer Guideline of the German Federal Environmental Agency

Stated values may vary depending on geometry of fittings.

\* O-ring included

#### 2 Hall effect sensor\*

|                              |  |
|------------------------------|--|
| <b>Nominal pulse rate</b>    | 119 Pulse/l  |
| <b>Frequency output</b>      | NPN open collector   |
| <b>Power supply</b>          | 4.5...24 VDC   |
| <b>Electrical connection</b> | 80 mm single wire with Molex Mini-Fit® Jr. plug connector (part number 39-01-4036) optional: 0.5 m PVC cable |
| <b>Pressure rating</b>       | PN 16  |

#### Approvals



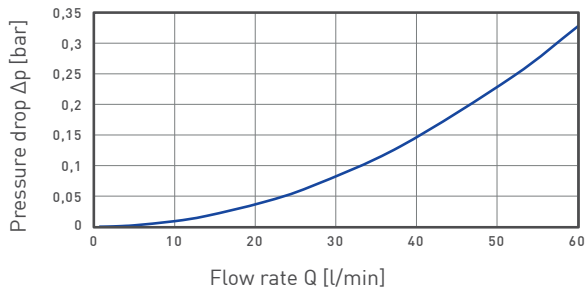
NSF/ANSI 372  
NSF/ANSI 61



**Available for:**  
VY2060K5HNN1YY  
VY2060K5HNN05YY

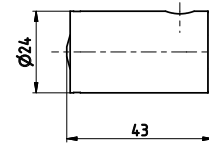
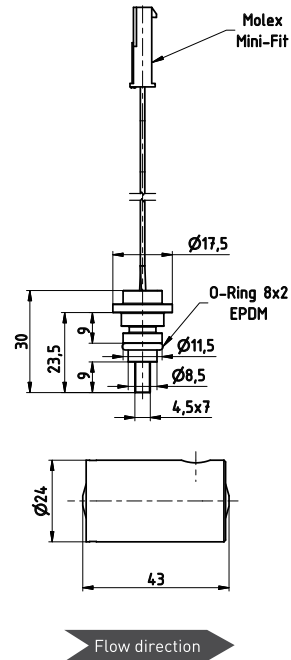
Plastic parts and O-Ring comply with KTW-guidance or the Elastomer Guideline of the German Federal Environmental Agency

**Typical pressure drop\***

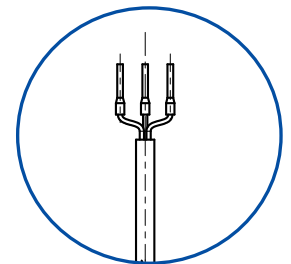


\* determined in SIKA pipe tee

**VTY20**



**Alternative electrical connection**



| Materials in contact with fluid              |   |
|--|---|
| <b>Push in turbine</b>                       |   |
| <b>Turbine body</b>                          | PPE+PS Noryl™ 30 % glass fibre reinforced |
| <b>Rotor</b>                                 | PPE+PS Noryl™ 30 % glass fibre reinforced |
| <b>Magnet</b>                                | Hard ferrite                              |
| <b>Shaft</b>                                 | Stainless steel 1.4305 / Hard metal       |
| <b>Axial bearing</b>                         | Sapphire                                  |
| <b>Radial bearing</b>                        | PEEK Victrex™                             |
| <b>Adapter sleeve for Hall effect sensor</b> |   |
| <b>Adapter sleeve</b>                        | PPE+PS Noryl™ 30 % glass fibre reinforced |
| <b>O-ring</b>                                | EPDM                                      |

| Order code                              |                |
|---|----------------|
| Component                               | Order number   |
| <b>Push in turbine</b>                  | VY2060K50000YY |
| <b>Hall effect sensor</b>               |                |
| → 80 mm single wire                     |                |
| with Molex Mini-Fit® Jr. plug connector | VY2060K5HNX1YY |
| → 0.5 m PVC cable                       | VY2060K5HN05YY |
| → 1 m PVC cable                         | VY2060K5HN10YY |