



IO-Link

가 2



- G1 Aseptoflex Vario G1
- 2 가
- 3/4 가
- (0.2%)
- SIP CIP



: 2, 3 4
가
3 4
가
2

PI27 / PI28

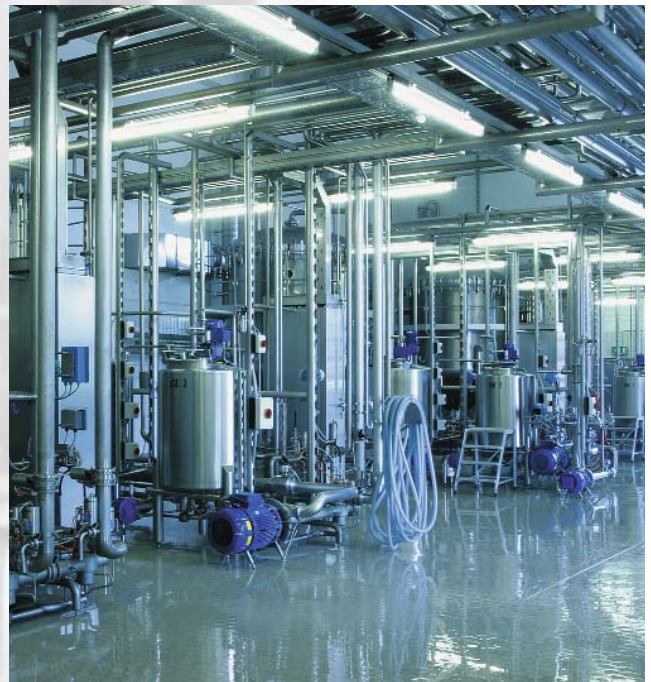
PI
ex Vario

G1

Aseptofl
가

Aseptoflex Vario G1

가



fluid sensors
and diagnostic
systems

position
sensors
and object
recognition

bus,
identification
and control systems

Flush pressure sensors with Aseptoflex Vario G1 process connection.

| Measuring range Relative pressure [bar] | P _{overload} max. [bar] | Analogue start point [bar] | Analogue end point [bar] | Set point SP1 [bar] | Reset point rP1 [bar] | Step increment [bar] | Order no. |
|--|--|----------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|---------------|
| Output function switching output PNP/NPN programmable + analogue output programmable | | | | | | | |
| -1...25 | 100 | -1.00...18.74 | 5.24...25.00 | -0.96...25.00 | -1.00...24.96 | 0.02 | PI2793 |
| -1...10 | 50 | -1.0...7.5 | 1.5...10.00 | -0.98...10.00 | -1.00...9.98 | 0.01 | PI2794 |
| -1...4 | 30 | -1.00...3.00 | 0.00...4.00 | -0.990...4.000 | -1.000...3.990 | 0.005 | PI2795 |
| -0.124...2.5 | 20 | -0.124...1.880 | 0.500...2.500 | -0.120...2.500 | -0.124...2.496 | 0.002 | PI2796 |
| -0.05...1 | 10 | -0.05...0.75 | 0.2...1.00 | -0.048...1.00 | -0.05...0.998 | 0.001 | PI2797 |
| -0.0124...0.25 | 10 | -0.0124...0.1874 | 0.05...0.25 | -0.012...0.25 | -0.0124...0.2496 | 0.0002 | PI2798 |
| -1...1 | 10 | -1...0.5 | -0.5...1 | -0.998...1 | -1...0.998 | 0.001 | PI2799 |
| -0.005...0.1 | 4 | -0.005...0.075 | 0.02...0.1 | -0.0048...0.1 | -0.005...0.098 | 0.0001 | PI2789 |


Front flush pressure sensors with G1 process connection

| Output function switching output PNP/NPN programmable + analogue output programmable | | | | | | | |
|--|-----|------------------|---------------|----------------|------------------|--------|---------------|
| -1...25 | 100 | -1.00...18.74 | 5.24...25.00 | -0.96...25.00 | -1.00...24.96 | 0.02 | PI2893 |
| -1...10 | 50 | -1.0...7.5 | 1.5...10.00 | -0.98...10.00 | -1.00...9.98 | 0.01 | PI2894 |
| -1...4 | 30 | -1.00...3.00 | 0.00...4.00 | -0.990...4.000 | -1.000...3.990 | 0.005 | PI2895 |
| -0.124...2.5 | 20 | -0.124...1.880 | 0.500...2.500 | -0.120...2.500 | -0.124...2.496 | 0.002 | PI2896 |
| -0.05...1 | 10 | -0.05...0.75 | 0.2...1.00 | -0.048...1.00 | -0.05...0.998 | 0.001 | PI2897 |
| -0.0124...0.25 | 10 | -0.0124...0.1874 | 0.05...0.25 | -0.012...0.25 | -0.0124...0.2496 | 0.0002 | PI2898 |
| -1...1 | 10 | -1...0.5 | -0.5...1 | -0.998...1 | -1...0.998 | 0.001 | PI2899 |
| -0.005...0.1 | 4 | -0.005...0.075 | 0.02...0.1 | -0.0048...0.1 | -0.005...0.098 | 0.0001 | PI2889 |

Accessories

| Type | Description | Order no. |
|--|---|---------------|
|  | G1 adapter for Clamp 1-1.5" | E33601 |
|  | G1 adapter for DIN11851 DN40 (1.5") | E33612 |
|  | Aseptoflex Vario adapter Clamp 1-1.5" for PEEK / O-ring | E33201 |
|  | Aseptoflex Vario adapter Clamp 1-1.5" Metal-to-metal seal | E33701 |
|  | Aseptoflex Vario adapter Clamp 2" for PEEK / O-ring | E33202 |
|  | Aseptoflex Vario adapter Clamp 2" Metal-to-metal seal | E33702 |
|  | FKM (Viton) sealing ring for Aseptoflex Vario adapter | E30123 |
|  | PEEK sealing ring for Aseptoflex Vario adapter | E30124 |

Connectors and splitter boxes

| | | |
|---|---|---------------|
|  | Socket, M12, 4-pole 5 m orange, PVC cable | EVT004 |
| | Socket, M12, 4-pole 10 m orange, PVC cable | EVT005 |

Common technical data

| Type of pressure: relative pressure Liquids and gases | | |
|---|--------|--|
| Operating voltage | [V DC] | 20...32 (2W), 18...32 (3W) |
| Current rating | [mA] | 250 |
| Current consumption | [mA] | 3.6...21 (2W) / < 45 (3W) |
| IO-Link Device type of transmission | | COM2 (38.4 kbaud) |
| Accuracy / deviation (in % of the span) turn down 1:1 | | PI2x9x PI2x89 |
| Deviation of the switch point | | < ± 0.2 < ± 0.5 |
| Deviation of the characteristics | | < ± 0.2 < ± 0.5 |
| Linearity | | < ± 0.15 < ± 0.25 |
| Hysteresis | | < ± 0.15 < ± 0.2 |
| Repeatability | | < ± 0.1 < ± 0.1 |
| Long-term stability | | < ± 0.1 < ± 0.1 |
| Temperature coefficients (TEMPCO) in the temperature range 0...70 °C (in % of the span per 10 K) | | |
| Greatest TEMPCO of zero | | < ± 0.05 < ± 0.1 |
| Greatest TEMPCO of the span | | < ± 0.15 < ± 0.2 |
| Power-on delay time | [s] | 1 (2W) / 0.5 (3W) |
| Response time switching output | [ms] | 3 |
| Medium temperature | [°C] | -25...125 (145 max. 1 h) |
| Protection | | IP 67 / IP 68 / IP 69K |
| Materials (wetted parts) | | high-grade stainless steel 316L (1.4435); ceramics (99.9 % Al ₂ O ₃); PTFE |

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| | | | | | | | |
|--|---|--------|-----|----------|---|---------------------------|-------------------------|
| PI003A | - | , 350° | , 2 | 가 | , ATEX | , II, | 3D/3G, DC |
| PNP/NPN, 4 | | | | , OUT1 = | , OUT2 = | , IP 65, | -20...60 ** °C, |
| | | | | | | | : -1...25 bar, M12 |
| PI008A | - | , 350° | , 2 | 가 | , ATEX | , II, | 3D/3G, DC |
| PNP/NPN, 4 | | | | , OUT1 = | , OUT2 = | , IP 65, | -20...60 ** °C, |
| | | | | | | | : -0,01...0,25 bar, M12 |
| PI009A | - | , 350° | , 2 | 가 | , ATEX | , II, | 3D/3G, DC |
| PNP/NPN, 4 | | | | , OUT1 = | , OUT2 = | , IP 65, | -20...60 ** °C, |
| | | | | | | | : -1...1 bar, M12 |
| PI2203 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 34 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -1...25 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2204 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 34 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -1...10 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2205 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 34 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -1...4 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2206 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 34 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -0,12...2,5 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2207 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 34 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -0,05...1 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2209 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 34 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -1...1 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2303 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 47,5 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -1...25 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2304 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 47,5 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -1...10 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2305 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 47,5 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -1...4 bar, M12 |
| -25...80 °C, | | | | | | | |
| PI2306 | - | , 가 | , 2 | 가 | , Membrandurchmesser: 47,5 mm, Füllflüssigkeit zur Druckübertragung: medizinisches Weißöl | , 2 | DC / 3 DC PNP/NPN, 4 |
| (lebensmitteltauglich, FDA konform), 2 | | | | , OUT1 = | , OUT2 = | , IP 67 / IP 68 / IP 69K, | |
| , 3 | | | | | | | : -0,12...2,5 bar, M12 |
| -25...80 °C, | | | | | | | |

PI2307

- , 가 , Membrandurchmesser: 47,5 mm, Füllflüssigkeit zur Druckübertragung: medizinisches
Weißöl (lebensmitteltauglich, FDA konform), 2 DC / 3 DC PNP/NPN, 4 , 2 :
, 3 : 2 , OUT1 = , OUT2 = , IP 67 / IP 68 / IP 69K,
-25...80 °C, : -0,05...1 bar, M12

PI2309

- , 가 , Membrandurchmesser: 47,5 mm, Füllflüssigkeit zur Druckübertragung: medizinisches
Weißöl (lebensmitteltauglich, FDA konform), 2 DC / 3 DC PNP/NPN, 4 , 2 :
, 3 : 2 , OUT1 = , OUT2 = , IP 67 / IP 68 / IP 69K,
-25...80 °C, : -1...1 bar, M12

PI2692

- , 가 (dead space) , 350° , 가 , 가
, G 1 A , DC PNP/NPN, 4 , 2 , OUT1 = , OUT2 = , IP
67 / IP 69K, -25...80 °C, : -1...100 bar, M12

PI2789

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -0,01...0,1 bar, M12

PI2793

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -1...25 bar, M12

PI2794

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -1...10 bar, M12

PI2795

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -1...4 bar, M12

PI2796

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -0,12...2,5 bar, M12

PI2797

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -0,05...1 bar, M12

PI2798

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -0,01...0,25 bar, M12

PI2799

- , 가 , 가 (dead space) , 2 DC / 3 DC PNP/NPN, 4
, 2 : , 3 : 2 , OUT1 = , OUT2 =
, IP 67 / IP 68 / IP 69K, -25...80 °C, : -1...1 bar, M12

PI2889

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
: , 3 : 2 , OUT1 = , OUT2 = , IP
67 / IP 68 / IP 69K, -25...80 °C, : -0,01...0,1 bar, M12

PI2893

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
: , 3 : 2 , OUT1 = , OUT2 = , IP
67 / IP 68 / IP 69K, -25...80 °C, : -1...25 bar, M12

PI2894

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
: , 3 : 2 , OUT1 = , OUT2 = , IP
67 / IP 68 / IP 69K, -25...80 °C, : -1...10 bar, M12

PI2895

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
 : , 3 : 2 , OUT1 = , OUT2 = ,

IP 67 / IP 68 / IP 69K, -25...80 °C, : -1...4 bar, M12

PI2896

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
 : , 3 : 2 , OUT1 = , OUT2 = ,

IP 67 / IP 68 / IP 69K, -25...80 °C, : -0,12...2,5 bar, M12

PI2897

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
 : , 3 : 2 , OUT1 = , OUT2 = ,

IP 67 / IP 68 / IP 69K, -25...80 °C, : -0,05...1 bar, M12

PI2898

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
 : , 3 : 2 , OUT1 = , OUT2 = ,

IP 67 / IP 68 / IP 69K, -25...80 °C, : -0,01...0,25 bar, M12

PI2899

- , 가 , G 1 A , 2 DC / 3 DC PNP/NPN, 4 , 2
 : , 3 : 2 , OUT1 = , OUT2 = ,

IP 67 / IP 68 / IP 69K, -25...80 °C, : -1...1 bar, M12

PI2993

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP/NPN, 4 , 2 , OUT1 = , OUT2 = , IP 67 / IP
 69K, -25...80 °C, : -1...25 bar, M12

PI2994

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP/NPN, 4 , 2 , OUT1 = , OUT2 = , IP 67 / IP
 69K, -25...80 °C, : -1...10 bar, M12

PI2995

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP/NPN, 4 , 2 , OUT1 = , OUT2 = , IP 67 / IP
 69K, -25...80 °C, : -1...4 bar, M12

PI2996

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP/NPN, 4 , 2 , OUT1 = , OUT2 = , IP 67 / IP
 69K, -25...80 °C, : -0,12...2,5 bar, M12

PI2997

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP/NPN, 4 , 2 , OUT1 = , OUT2 = , IP 67 / IP
 69K, -25...80 °C, : -0,05...1 bar, M12

PI7993

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP/NPN, 4 , 2 , OUT1 = , OUT2 = ,

IP 67 / IP 69K, -25...80 °C, : -1...25 bar, M12

PIM093

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP, 4 , 2 , OUT1 = , OUT2 = , IP
 67 / IP 69K, -25...80 °C, : -1...25 bar, M12

PIM094

- , 가 (dead space) , 350° , 가 , 가
 , DC PNP, 4 , 2 , OUT1 = , OUT2 = , IP
 67 / IP 69K, -25...80 °C, : -1...10 bar, M12

PIM693

- , 가 (dead space) , 350° , 가 , 가
 , G 1 A , DC PNP, 4 , 2 , OUT1 = , OUT2 = ,
 = , IP 67 / IP 69K, -25...80 °C, : -1...25 bar, M12

PIM694

- , 가 (dead space) , 350° , 가 , 가
 , G 1 A , DC PNP, 4 , 2 , OUT1 = , OUT2 = ,
 = , IP 67 / IP 69K, -25...80 °C, : -1...10 bar, M12

PIM693

- , 가 (dead space) , 350° , 가 , 가
 , G 1 A , DC PNP, 4 , 2 , OUT1 = , OUT2 = ,
 = , IP 67 / IP 69K, -25...80 °C, : -1...10 bar, M12