

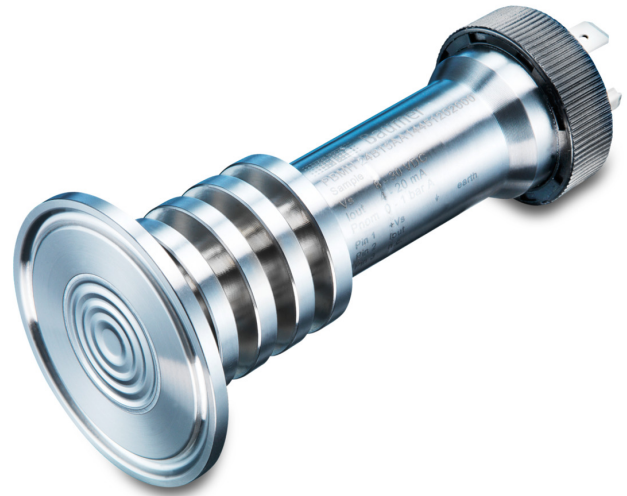
PBMH

Fully welded pressure transmitter for hygienic applications

PBMH-2#####0#0

Overview

- 3-A sanitary standards, FDA-compliant, EHEDG-certified
- Resistant to all common CIP cleaning media and SIP-capable (150 °C max, < 30 min)
- Versions available for high media temperatures (200 °C)
- Surface roughness connection $Ra \leq 0.8$ for highest hygienic requirements
- Fully welded and compact design for washdowns without residuals
- Excellent active temperature compensation for increased process stability
- External programming of zero point and span with FlexProgrammer 9701
- Absolute pressure, relative pressure and vacuum measurement
- Optionally available with Ex certification (4 ... 20 mA output)



Picture similar



Technical data

Performance characteristics

| | |
|--------------------------------------|---|
| Pressure type | Absolute Relative (gauged) |
| Compensated temperature range | -40 ... 85 °C |
| Long term stability | ≤ 0.1 % FSR/a , measuring range > 1 bar ≤ 1 mbar , measuring range ≤ 1 bar |
| Max. measuring error | ± 0.1 % FSR ± 0.25 % FSR Including zero-point and span error, non-linearity (by terminal base line), hysteresis and non-repeatability (EN 61298-2) For turndown, multiply this value by the applied turndown ratio |
| Max. measuring span | 40 bar |
| Max. turndown ratio | 5 : 1 |
| Measuring range | -1 ... 40 bar |
| Standard error of measurement (BFSL) | ± 0.04 % FSR ± 0.1 % FSR Including non-linearity, hysteresis and non-repeatability according BFSL For turndown, multiply this value by the applied turndown ratio |
| Min. measuring span | 0.1 bar |
| Rise time (10 ... 90 %) | ≤ 5 ms |
| Temperature coefficient | ≤ 0.03 % FSR/10 K , measuring span ≤ 0.03 % FSR/10 K , zero point |

Process conditions

| | |
|---------------------|---|
| Process temperature | -40 ... 125 °C , without cooling neck -40 ... 200 °C , with cooling neck |
| Process pressure | Refer to section "Operating conditions" |

Process conditions

| | |
|-----------------------|--|
| SIP/CIP compatibility | < 60 min, without cooling neck @ medium temperature up to 150 °C Permanent, with cooling neck @ medium temperature up to 200 °C |
|-----------------------|--|

Process connection

| | |
|---|--|
| Connection variants | Refer to section "Dimensional drawings" |
| Wetted parts material, process connection | AISI 316L (1.4404) AISI 316L (1.4435) |
| Wetted parts material, membrane | AISI 316L (1.4435) |
| Wetted parts material, gasket | EPDM, optional EPDM O-rings are conform to 3-A Sanitary Standard 18-03 Class II, EPDM gaskets are conform to 3-A Sanitary Standard 18-03 Class I (8% milk fat max.) |

Surface roughness (in contact with medium)

| | |
|--|-----------------------------|
| Membrane | $Ra \leq 0.4$ μm |
| Process connection Baumer Hygienic Connection | $Ra \leq 0.8$ μm |
| Process connection Tri-Clamp | $Ra \leq 0.4$ μm |
| Process connection Varivent® | $Ra \leq 0.8$ μm |
| Weld joint | $Ra \leq 0.8$ μm |

Ambient conditions

| | |
|-----------------------------|---------------|
| Operating temperature range | -40 ... 85 °C |
| Storage temperature range | -40 ... 85 °C |

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Ambient conditions

| | |
|--|---|
| Degree of protection (EN 60529) | IP 65 , with connector DIN EN 175301-803 A (DIN 43650 A), 4-pin IP 67 , with connection head IP 67 , with connector M12-A, 4-pin IP 67 , with shielded cable |
| Bump (EN 60068-2-27) | 100 g / 2 ms, 4000 impulses per axis and direction |
| Shock (EN 60068-2-27) | 50 g / 11 ms, 100 g / 6 ms, 10 impulses per axis and direction |
| Vibration (sinusoidal) (EN 60068-2-6) | 1.5 mm p-p (10 ... 58 Hz), 10 g (58 Hz ... 2 kHz), 10 cycles (2.5 h) per axis |
| Vibration, broad-band random (EN 60068-2-64) | 0.1 g ² / Hz, > 10 gRMS (20 Hz ... 1 kHz), 30 min. per axis |

Output signal

| | |
|--------------------------|--|
| Current output | 4 ... 20 mA , 2-wire 20 ... 4 mA , 2-wire |
| Voltage output | 0 ... 10 V , 3-wire 0 ... 5 V , 3-wire 0.5 ... 4.5 V , 3-wire 1 ... 5 V , 3-wire 10 ... 0 V , 3-wire |
| Load resistance | > 5 kΩ, with voltage output R = (Vs - 8 V)/20 mA, with current output |
| Insulation resistance | > 100 MΩ , 500 V DC |
| Short circuit protection | Yes |
| Shunt resistance | Rs ≤ (Vs - 8 V)/0.0205 A Rs ≤ 750 Ω, Vs = 24 V |

Housing

| | |
|--------------|---|
| Style | Compact transmitter |
| Overall size | Refer to section "Dimensional drawings" |
| Material | AISI 316L (1.4404) |

Electrical connection

| | |
|--------------|--|
| Connector | DIN EN 175301-803 A (DIN 43650 A), 4-pin M12-A, 4-pin |
| Cable gland | Cable Ø 8 ... 10, stainless steel |
| Cable outlet | 1.5 m, 3-wire, shielded |

Power supply

| | |
|----------------------|---|
| Voltage supply range | 13 ... 30 V DC , with voltage output 8 ... 30 V DC , with current output |
|----------------------|---|

ATEX II 1/2G Ex ia IIC T3/T4/T6 Ga/Gb

| | |
|--|--|
| Please note | For the application in Ex zone you have to respect the conditions mentioned in the type examination certificate (SEV 11 ATEX 0129 / IECEx SEV 22.0006). You will find the relevant certificates and instructions at www.baumer.com |
| Maximum values for barrier selection, Ui | 30 V DC , max. |
| Maximum values for barrier selection, Ii | 100 mA |
| Maximum values for barrier selection, Pi | 750 mW |
| Internal capacitance, Ci | 58 nF |
| Internal inductance, Li | 0.22 µH |

ATEX II 1/2G Ex ia IIC T4/T6 Ga/Gb

| | |
|--|--|
| Please note | For the application in Ex zone you have to respect the conditions mentioned in the type examination certificate (SEV 11 ATEX 0129 / IECEx SEV 22.0006). You will find the relevant certificates and instructions at www.baumer.com |
| Maximum values for barrier selection, Ui | 30 V DC , max. |
| Maximum values for barrier selection, Ii | 100 mA |
| Maximum values for barrier selection, Pi | 750 mW |
| Internal capacitance, Ci | 58 nF |
| Internal inductance, Li | 0.22 µH |

ATEX II 1D Ex ia IIIC T (200) 107°C IP6X Da

| | |
|-------------|--|
| Please note | For the application in Ex zone you have to respect the conditions mentioned in the type examination certificate (SEV 11 ATEX 0129 / IECEx SEV 22.0006). You will find the relevant certificates and instructions at www.baumer.com |
|-------------|--|

| | |
|--|-------|
| Degree of protection for cable accessories | IP 65 |
|--|-------|

| | |
|--|----------------|
| Maximum values for barrier selection, Ui | 30 V DC , max. |
|--|----------------|

ATEX II 1G Ex ia IIC T3/T4/T6 Ga,

| | |
|-------------|--|
| Please note | For the application in Ex zone you have to respect the conditions mentioned in the type examination certificate (SEV 11 ATEX 0129 / IECEx SEV 22.0006). You will find the relevant certificates and instructions at www.baumer.com |
|-------------|--|

| | |
|--|----------------|
| Maximum values for barrier selection, Ui | 30 V DC , max. |
|--|----------------|

| | |
|--|--------|
| Maximum values for barrier selection, Ii | 100 mA |
|--|--------|

| | |
|--|--------|
| Maximum values for barrier selection, Pi | 750 mW |
|--|--------|

| | |
|--------------------------|-------|
| Internal capacitance, Ci | 58 nF |
|--------------------------|-------|

| | |
|-------------------------|---------|
| Internal inductance, Li | 0.22 µH |
|-------------------------|---------|

ATEX II 1G Ex ia IIC T4/T6 Ga

| | |
|-------------|--|
| Please note | For the application in Ex zone you have to respect the conditions mentioned in the type examination certificate (SEV 11 ATEX 0129 / IECEx SEV 22.0006). You will find the relevant certificates and instructions at www.baumer.com |
|-------------|--|

| | |
|--|----------------|
| Maximum values for barrier selection, Ui | 30 V DC , max. |
|--|----------------|

| | |
|--|--------|
| Maximum values for barrier selection, Ii | 100 mA |
|--|--------|

| | |
|--|--------|
| Maximum values for barrier selection, Pi | 750 mW |
|--|--------|

| | |
|--------------------------|-------|
| Internal capacitance, Ci | 58 nF |
|--------------------------|-------|

| | |
|-------------------------|---------|
| Internal inductance, Li | 0.22 µH |
|-------------------------|---------|

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Compliance and approvals

| | |
|----------------------|--|
| EMC | EN 61000-6-3 2014/30/EU (EMC) 2014/34/EU (EX) |
| Hygiene | 3-A (74-07) |
| Explosion protection | ATEX II 1/2G Ex ia IIC T4/T6 Ga/Gb ATEX II 1/2G Ex ia IIC T3/T4/T6 Ga/Gb ATEX II 1D Ex ia IIIC T (200) 107 °C IP6X Da ATEX II 1G Ex ia IIC T4/T6 Ga ATEX II 1G Ex ia IIC T3/T4/T6 Ga |

Compliance and approvals

| | |
|--------------------|------------------|
| Pressure directive | EHEDG EL Class I |
|--------------------|------------------|

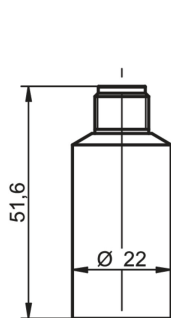
Operating conditions

| Measuring range (bar) | | | | | | | | Proof pressure (bar) | Burst Pressure (bar) |
|-------------------------------------|--------------|----------|------------|-----------|-----------|-----------|-----|----------------------|----------------------|
| 0 ... 0,1 0 ... 0,16 0 ... 0,25 | | | | | | | | 1 | 2 |
| -0,1 ... 0,1 | -0,2 ... 0,2 | -1 ... 0 | -1 ... 0,6 | 0 ... 0,4 | 0 ... 0,6 | 0 ... 1 | 3 | 6 | |
| | -1 ... 1,5 | -1 ... 3 | -1 ... 5 | 0 ... 1,6 | 0 ... 2 | 0 ... 2,5 | 15 | 30 | |
| | | -1 ... 9 | -1 ... 15 | 0 ... 6 | 0 ... 10 | 0 ... 16 | 60 | 120 | |
| | | | -1 ... 24 | 0 ... 25 | | | 70 | 140 | |
| | | | -1 ... 39 | 0 ... 40 | | | 135 | 270 | |

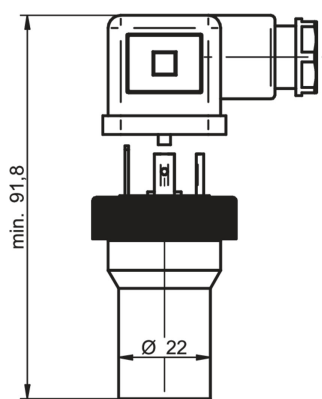
| Explosion protection (with 4 ... 20 mA output signal only) | Cooling neck | Connectors [order code] | Order key |
|--|--------------|--|------------------------|
| ATEX II 1G Ex ia IIC T4/T6 Ga | without | M12-A [14] | PBMH-#####A114#####1# |
| | | Connection head [54] | PBMH-#####A154#####1# |
| ATEX II 1G Ex ia IIC T3/T4/T6 Ga | with | M12-A [14] | PBMH-#####A1148#####1# |
| | | Connection head [54] | PBMH-#####A1548#####1# |
| ATEX II 1D Ex ia IIIC T (200) 107 °C IP6X DA | all | M12-A [14] | PBMH-#####A1#####1# |
| | | Connection head [54] DIN EN 175301-803 A [44] | PBMH-#####A144#####1# |
| ATEX II 1/2G Ex ia IIC T4/T6 Ga/Gb | without | DIN EN 175301-803 A [44] | PBMH-#####A144#####1# |
| ATEX II 1/2G Ex ia IIC T3/T4/T6 Ga/Gb | with | DIN EN 175301-803 A [44] | PBMH-#####A1448#####1# |

Dimensional drawings (mm)

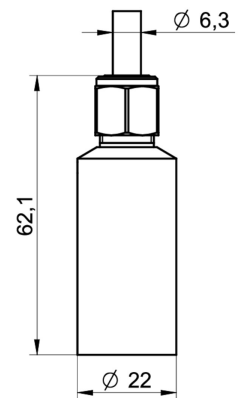
Housing



Housing with connector M12-A, 4-pin



Housing with connector DIN EN 175301-803 A (DIN 43650 A), 4-pin



Housing with cable outlet, 3-wire, 1.5 m length

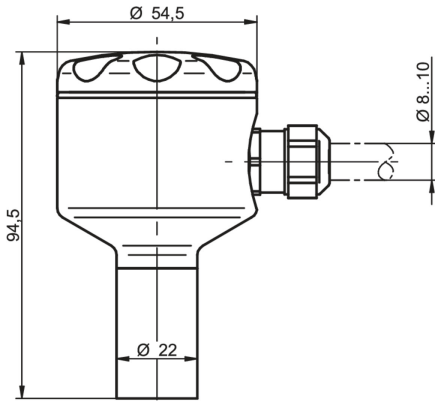
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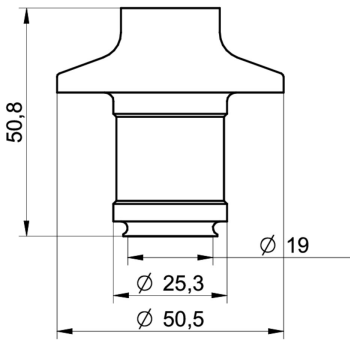
Dimensional drawings (mm)

Housing

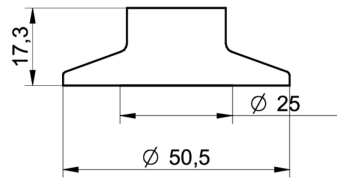


Field housing with cable gland

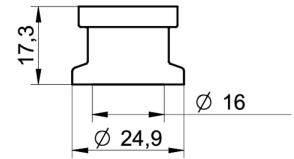
Process connection



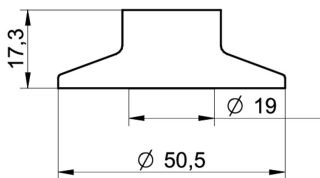
B01-50
BHC 3A DN 38, membrane Ø 19 mm (BCID: B01)



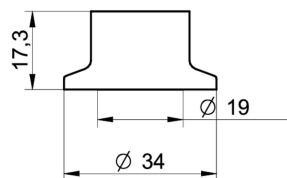
C04-51
Tri-Clamp Ø 50.5, membrane Ø 25 mm (BCID: C04)



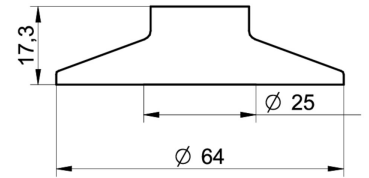
C01-52
Tri-Clamp Ø 24.9, membrane Ø 16 mm (BCID: C01)



C03-53
Tri-Clamp Ø 50.5, membrane Ø 19 mm (BCID: C03)



C02-57
Tri-Clamp Ø 34.0, membrane Ø 19 mm (BCID: C02)



C05-54
Tri-Clamp Ø 64.0, membrane Ø 25 mm (BCID: C05)

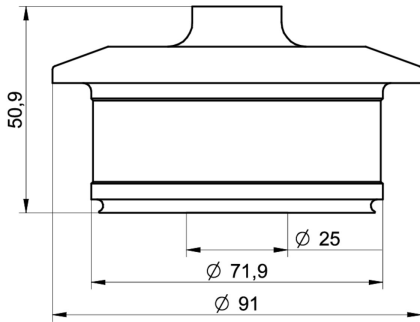
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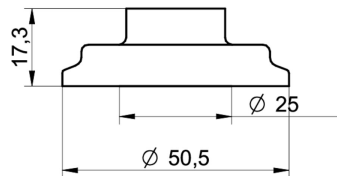
PBMH-2#####0#0

Dimensional drawings (mm)

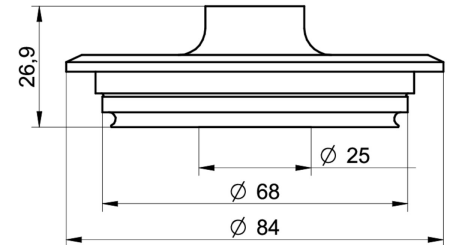
Process connection



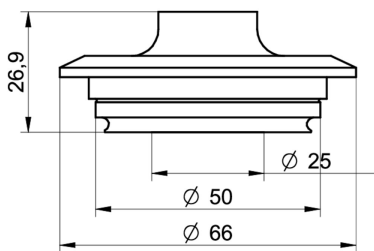
B02-56
BHC 3A DN 76, membrane Ø 25 mm (BCID: B02)



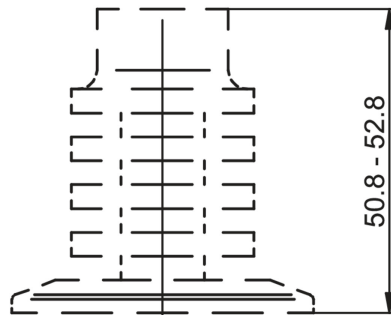
H51-58
DIN 11864-3-A BKS (Aseptic Clamp), DN25, Ø 50.5, membrane Ø 25 mm (BCID: H41)



V02-61
Varivent® DN 32 ... 125; 1 1/2" ... 6" (Type N), Ø 68, membrane Ø 25 mm (BCID: V02)



V01-62
Varivent® DN 25; 1" (Type F), Ø 50, membrane Ø 25 mm (BCID: V01)



Cooling neck

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Electrical connection

| Output signal | Equivalent circuit | Electrical connection | Function | Pin assignment |
|----------------------|--------------------|-----------------------|--------------|----------------|
| 4 ... 20 mA (2-wire) | | | +Vs | 1 |
| | | | Iout | 3 |
| | | | Frame Ground | Plug thread |
| | | | n.c. | 2, 4 |
| 0 ... 10 V (3-wire) | | | +Vs | 1 |
| | | | Uout | 2, 4 |
| | | | GND (0 V) | 3 |
| | | | Frame Ground | Plug thread |
| 4 ... 20 mA (2-wire) | | | +Vs | 1 |
| | | | Iout | 2 |
| | | | Frame Ground | Grounding lug |
| | | | n.c. | 3 |
| 0 ... 10 V (3-wire) | | | +Vs | 1 |
| | | | Uout | 2 |
| | | | GND (0 V) | 3 |
| | | | Frame Ground | Grounding lug |
| 4 ... 20 mA (2-wire) | | | +Vs | 1 |
| | | | Iout | 2 |
| | | | Frame Ground | Shield |
| | | | n.c. | 3, 4 |
| 0 ... 10 V (3-wire) | | | +Vs | RD |
| | | | Uout | BU |
| | | | Frame Ground | Shield |
| | | | n.c. | WH |
| 4 ... 20 mA (2-wire) | | | +Vs | 1 |
| | | | Uout | 3 |
| | | | GND (0 V) | 2 |
| | | | Frame Ground | Shield |
| 0 ... 10 V (3-wire) | | | +Vs | 1 |
| | | | Uout | 3 |
| | | | GND (0 V) | 2 |
| | | | Frame Ground | Shield |
| 4 ... 20 mA (2-wire) | | | +Vs | 1 |
| | | | Uout | 3 |
| | | | GND (0 V) | 2 |
| | | | Frame Ground | Shield |
| 0 ... 10 V (3-wire) | | | +Vs | RD |
| | | | Uout | WH |
| | | | GND (0 V) | BU |
| | | | Frame Ground | Shield |

Ordering information

Ordering key - Configuration possibilities see website

| | |
|---|---------------------------------------|
| Product | PBMH - 2 # ### # ## ## ## # # # 0 # 0 |
| Housing material Stainless steel 1.4404 AISI 316L | PBMH 2 |
| Accuracy ±0.25 % FS | 4 |
| ±0.10 % FS | 5 |
| Measuring range 0...0,1 bar (EN) | B08 |

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Ordering information

Ordering key - Configuration possibilities see website

| | PBMH | - | 2 | # | ### | # | ## | ## | ## | # | # | # | 0 | # | 0 |
|------------------------|------|---|---|---|-----|---|----|----|----|---|---|---|---|---|---|
| 0...0,16 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 0.25 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 0.4 bar (EN) | | | | | | | | | | | | | | | |
| 0...0,6 bar (EN) | | | | | | | | | | | | | | | |
| 0...1 bar (EN) | | | | | | | | | | | | | | | |
| 0...1,6 bar (EN) | | | | | | | | | | | | | | | |
| 0...2 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 2.5 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 4 bar (EN) | | | | | | | | | | | | | | | |
| 0...12 bar (EN) | | | | | | | | | | | | | | | |
| -1...39 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 6 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 10 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 16 bar (EN) | | | | | | | | | | | | | | | |
| 0...20 bar (EN) | | | | | | | | | | | | | | | |
| 0...25 bar (EN) | | | | | | | | | | | | | | | |
| 0 ... 40 bar (EN) | | | | | | | | | | | | | | | |
| -0,1...0,1 bar (EN) | | | | | | | | | | | | | | | |
| -0,2...0,2 bar (EN) | | | | | | | | | | | | | | | |
| -0,6...0 bar (EN) | | | | | | | | | | | | | | | |
| -1...0 bar (EN) | | | | | | | | | | | | | | | |
| -1...0,6 bar (EN) | | | | | | | | | | | | | | | |
| -1...1 bar (EN) | | | | | | | | | | | | | | | |
| -1 ... 1,5 bar (EN) | | | | | | | | | | | | | | | |
| -1...2 bar (EN) | | | | | | | | | | | | | | | |
| -1...3 bar (EN) | | | | | | | | | | | | | | | |
| -1...5 bar (EN) | | | | | | | | | | | | | | | |
| -1...9 bar (EN) | | | | | | | | | | | | | | | |
| -1...15 bar (EN) | | | | | | | | | | | | | | | |
| -1...24 bar (EN) | | | | | | | | | | | | | | | |
| 0...5 bar (EN) | | | | | | | | | | | | | | | |
| 0...1.5 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...4 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...6 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...10 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...15 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...25 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...30 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...60 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...20 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...500 psi (ANSI) | | | | | | | | | | | | | | | |
| -30Hg...600 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...100 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...160 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...200 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...250 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...300 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...400 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...600 psi (ANSI) | | | | | | | | | | | | | | | |
| -30HG...60 psi (ANSI) | | | | | | | | | | | | | | | |
| 0...5 psi (ANSI) | | | | | | | | | | | | | | | |

PBMH

Fully welded pressure transmitter for hygienic applications

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Ordering information

Ordering key - Configuration possibilities see website

| | PBMH | - | 2 | # | ### | # | ## | ## | ## | # | # | # | 0 | # | 0 | |
|--|------|---|---|---|-----|---|----|----|----|---|---|---|---|---|---|-----|
| 0...2 psi (ANSI) | | | | | | | | | | | | | | | | H2Y |
| -30HG...0 (ANSI) | | | | | | | | | | | | | | | | H59 |
| -30HG...15 psi (ANSI) | | | | | | | | | | | | | | | | H73 |
| -30HG...30 psi (ANSI) | | | | | | | | | | | | | | | | H75 |
| -30HG...100 psi (ANSI) | | | | | | | | | | | | | | | | H78 |
| -30HG...150 psi (ANSI) | | | | | | | | | | | | | | | | H79 |
| -30HG...220 psi (ANSI) | | | | | | | | | | | | | | | | H81 |
| -30HG...300 psi (ANSI) | | | | | | | | | | | | | | | | H82 |
| 0...3 psi (ANSI) | | | | | | | | | | | | | | | | H93 |
| 0...1 mH ₂ O (EN) | | | | | | | | | | | | | | | | J08 |
| 0...1,6 mH ₂ O (EN) | | | | | | | | | | | | | | | | J09 |
| 0...2,5 mH ₂ O (EN) | | | | | | | | | | | | | | | | J10 |
| 0...4 mH ₂ O (EN) | | | | | | | | | | | | | | | | J11 |
| 0...6 mH ₂ O (EN) | | | | | | | | | | | | | | | | J12 |
| 0...10 mH ₂ O (EN) | | | | | | | | | | | | | | | | J15 |
| 0...16 mH ₂ O (EN) | | | | | | | | | | | | | | | | J16 |
| 0...20 mH ₂ O (EN) | | | | | | | | | | | | | | | | J17 |
| 0...25 mH ₂ O (EN) | | | | | | | | | | | | | | | | J18 |
| 0...40 mH ₂ O (EN) | | | | | | | | | | | | | | | | J19 |
| 0...60 mH ₂ O (EN) | | | | | | | | | | | | | | | | J20 |
| 0...100 mH ₂ O (EN) | | | | | | | | | | | | | | | | J22 |
| 0...160 mH ₂ O (EN) | | | | | | | | | | | | | | | | J24 |
| 0...200 mH ₂ O (EN) | | | | | | | | | | | | | | | | J25 |
| 0...250 mH ₂ O (EN) | | | | | | | | | | | | | | | | J26 |
| Kind of pressure | | | | | | | | | | | | | | | | |
| Relative (gauged) | | | | | | | | | | | | | | | | R |
| Absolute | | | | | | | | | | | | | | | | A |
| Output signal | | | | | | | | | | | | | | | | |
| 20...4 mA | | | | | | | | | | | | | | | | A0 |
| 4...20 mA | | | | | | | | | | | | | | | | A1 |
| 0...10 V | | | | | | | | | | | | | | | | A2 |
| 1...5 V | | | | | | | | | | | | | | | | A3 |
| 0...5 V | | | | | | | | | | | | | | | | A4 |
| 0.5...4.5 V | | | | | | | | | | | | | | | | A5 |
| 10...0 V | | | | | | | | | | | | | | | | A7 |
| Output Connection | | | | | | | | | | | | | | | | |
| M12-A, 4-pin | | | | | | | | | | | | | | | | 14 |
| DIN EN 175301-803 A (DIN 43650 A), 4-pin | | | | | | | | | | | | | | | | 44 |
| Cable outlet 1.5 m, 3-wire, shielded | | | | | | | | | | | | | | | | 53 |
| Connection head, cable gland IP67 | | | | | | | | | | | | | | | | 54 |

PBMH

Fully welded pressure transmitter for hygienic applications

PBMH-2#####0#0

Ordering information

Ordering key - Configuration possibilities see website
PBMH - 2 # ### # ## ## ## # # # 0 # 0

Process connection

| | |
|--|----|
| BHC 3A DN 38 (B01) ⁽³⁾ | 50 |
| ISO 2852 (Tri-Clamp), DN 33.7; 38, Ø 50.5 (C04) ⁽¹⁾ | 51 |
| Tri-Clamp, DN 3/4, Ø 24.9 (ohne 3-A) (C01) ⁽¹⁾ | 52 |
| ISO 2852 (Tri-Clamp), DN 25, Ø 50.5 (C03) ⁽¹⁾ | 53 |
| ISO 2852 (Tri-Clamp), DN 40; 51, Ø 64.0 (C05) ⁽¹⁾ | 54 |
| BHC 3A DN 76 (B02) ⁽³⁾ | 56 |
| ISO 2852 (Tri-Clamp), DN 21.3, Ø 34.0 (C02) ⁽¹⁾ | 57 |
| DIN 11864-3-A BKS (Aseptic Clamp), DN25, Ø 50.5 (H41) ⁽³⁾ | 58 |
| Varivent® DN 32 ... 125; 1 1/2 ... 6 (Type N), Ø 68 (V02) ⁽³⁾ | 61 |
| Varivent® DN 25; 1 (Type F), Ø 50 (V01) ⁽²⁾ | 62 |
| BHC 3A DN 38, with cooling neck (B01) ⁽³⁾ | 80 |
| ISO 2852 (Tri-Clamp), DN 33.7; 38, Ø 50.5 with cooling neck (C04) ⁽¹⁾ | 81 |
| Tri-Clamp, DN 3/4, Ø 24.9 (without 3-A) with cooling neck (C01) ⁽¹⁾ | 82 |
| ISO 2852 (Tri-Clamp), DN 25, Ø 50.5 with cooling neck (C03) ⁽¹⁾ | 83 |
| ISO 2852 (Tri-Clamp), DN 40; 51, Ø 64.0 with cooling neck (C05) ⁽¹⁾ | 84 |
| BHC 3A DN 76, with cooling neck (B02) ⁽³⁾ | 86 |
| ISO 2852 (Tri-Clamp), DN 21.3, Ø 34.0 with cooling neck (C02) ⁽¹⁾ | 87 |
| DIN 11864-3-A (Aseptic Clamp), DN25, Ø 50.5 with cooling neck (H41) ⁽³⁾ | 88 |

Process connection material

| | |
|--|---|
| Stainless steel 1.4404 AISI 316L | 2 |
| Stainless steel 1.4435 AISI 316L | 5 |
| Stainless steel AISI 316L, 1.4435 electropolished Ra 0.4 | F |

Seal

| | |
|------------|---|
| None | 0 |
| EPDM | 2 |
| EPDM EHEDG | 7 |

Oil filling

| | |
|------------------------------|---|
| Standard oil | 1 |
| NSF H1 listed (FDA approved) | 2 |

Display

| | |
|-----------------|---|
| Without display | 0 |
|-----------------|---|

Explosion protection

| | |
|------------------------------------|---|
| Without | 0 |
| ATEX according to SEV 11 ATEX 0129 | 1 |

Approvals

| | |
|--------------------|---|
| Standard approvals | 0 |
|--------------------|---|

(1) EHEDG only with special gasket

(2) EHEDG not included

(3) EHEDG included