

# BAROMETRIC INDICATORS

## Dimensions

BEA*50	
<b>Electrical Pressure Indicator</b>	
Settings	Ordering code
1.5 bar $\pm 10\%$	BE A 15 H A 50 P01
2.0 bar $\pm 10\%$	BE A 20 H A 50 P01

**Hydraulic symbol**

**Electrical symbol**

**Materials**

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

**Technical data**

- Max working pressure: 40 bar
- Proof pressure: 60 bar
- Working temperature: From -25 °C to +80 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids  
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

**Electrical data**

- Electrical connection: EN 175301-803
- Resistive load: 5 A / 14 Vdc  
4 A / 30 Vdc  
5 A / 125 Vac  
4 A / 250 Vac

- Available Atex product: II 1GD Ex ia IIC Tx Ex ia IIIC Tx °C X

- CE certification

BEM*41	
<b>Electrical Pressure Indicator</b>	
Settings	Ordering code
1.5 bar $\pm 10\%$	BE M 15 H A 41 P01
2.0 bar $\pm 10\%$	BE M 20 H A 41 P01

**Hydraulic symbol**

**Electrical symbol**

**Materials**

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

**Technical data**

- Max working pressure: 40 bar
- Proof pressure: 60 bar
- Working temperature: From -25 °C to +80 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids  
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP67 according to EN 60529

**Electrical data**

- Electrical connection: Four-core cable
- Resistive load: 5 A / 14 Vdc  
4 A / 30 Vdc  
5 A / 125 Vac  
4 A / 250 Vac

- CE certification  
On request this indicator can be provided with main connectors in use for wirings.

BET*10	
<b>Electrical Pressure Indicator</b>	
Settings	Ordering code
2.0 bar $\pm 10\%$	BET 20 H F 10 P01
2.5 bar $\pm 10\%$	BET 25 H F 10 P01

**Hydraulic symbol**

**Electrical symbol**

**Materials**

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

**Technical data**

- Max working pressure: 10 bar
- Proof pressure: 15 bar
- Working temperature: From -25 °C to +100 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids  
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

**Electrical data**

- Electrical connection: AMP Superseal series 1.5
- Resistive load: 0.5 A / 48 Vdc
- Thermostat condition: Open up to 30 °C

- CE certification

BET*30	
<b>Electrical Pressure Indicator</b>	
<b>Settings</b>	<b>Ordering code</b>
2.0 bar $\pm 10\%$	BET 20 H F 30 P01
2.5 bar $\pm 10\%$	BET 25 H F 30 P01

**Hydraulic symbol**

**Electrical symbol**

**Materials**

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

**Technical data**

- Max working pressure: 10 bar
- Proof pressure: 15 bar
- Working temperature: From -25 °C to +100 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

**Electrical data**

- Electrical connection: Deutsch DT-04-2-P
- Resistive load: 0.5 A / 48 Vdc
- Thermostat condition: Open up to 30 °C
- CE certification

BET*50	
<b>Electrical Pressure Indicator</b>	
<b>Settings</b>	<b>Ordering code</b>
2.0 bar $\pm 10\%$	BET 20 H F 50 P01
2.5 bar $\pm 10\%$	BET 25 H F 50 P01

**Hydraulic symbol**

**Electrical symbol**

**Materials**

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

**Technical data**

- Max working pressure: 10 bar
- Proof pressure: 15 bar
- Working temperature: From -25 °C to +100 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

**Electrical data**

- Electrical connection: EN 175301-803
- Resistive load: 0.5 A / 48 Vdc
- Thermostat condition: Open up to 30 °C
- CE certification

BL*51 - BL*52 - BL*53	
<b>Electrical/Visual Pressure Indicator</b>	
<b>Settings</b>	<b>Ordering code</b>
1.5 bar $+10\%$	BL A 15 H A xx P01
2.0 bar $\pm 10\%$	BL A 20 H A xx P01

**Hydraulic symbol**

**Electrical symbol**

**Materials**

- Body: Brass
- Base: Transparent Nylon
- Contacts: Silver
- Seal: HNBR

**Technical data**

- Max working pressure: 40 bar
- Proof pressure: 60 bar
- Working temperature: From -25 °C to +80 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

**Electrical data**

- Electrical connection: EN 175301-803
- Type: 51      52      53
- Lamps: 24 Vdc    110 Vdc    230 Vac
- Resistive load: 1 A / 24 Vdc    1 A / 110 Vdc    1 A / 230 Vac

# BAROMETRIC INDICATORS

## Dimensions

BL*71	
<b>Electrical/Visual Pressure Indicator</b>	
Settings	Ordering code
1.5 bar $\pm 10\%$	BLA 15 HA 71 P01
2.0 bar $\pm 10\%$	BLA 20 HA 71 P01

**Hydraulic symbol**

**Electrical symbol**

**Materials**

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

**Technical data**

- Max working pressure: 40 bar
- Proof pressure: 60 bar
- Working temperature: From -25 °C to +80 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids  
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

**Electrical data**

- Electrical connection: IEC 61076-2-101 D (M12)
- Lamps: 24 Vdc
- Resistive load: 0.4 A / 24 Vdc

BVA	
<b>Axial Pressure Gauge</b>	
Settings	Ordering code
1.4 bar $\pm 10\%$	BVA 14 P01
2.5 bar $\pm 10\%$	BVA 25 P01

**Hydraulic symbol**

**Dial scale**

BVA 14 P01

BVA 25 P01

**Materials**

- Case: Painted Steel
- Window: Transparent plastic
- Dial: Painted Steel
- Pointer: Painted Aluminium
- Pressure connection: Brass
- Pressure element: Bourdon tube Cu-alloy soft soldered

**Technical data**

- Max working pressure: Static: 7 bar  
Fluctuating: 6 bar  
Short time: 10 bar
- Working temperature: From -40 °C to +60 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids  
HFA, HFB, HFC according to ISO 2943
- Accuracy: Class 2.5 according to EN 13190
- Degree of protection: IP31 according to EN 60529

BVR	
<b>Radial Pressure Gauge</b>	
Settings	Ordering code
1.4 bar $\pm 10\%$	BV R 14 P01
2.5 bar $\pm 10\%$	BV R 25 P01

**Hydraulic symbol**

**Dial scale**

BV R 14 P01


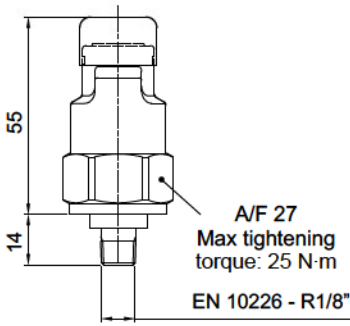
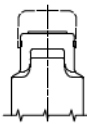
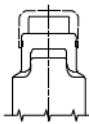
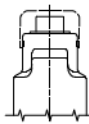
BV R 25 P01

**Materials**

- Case: Painted Steel
- Window: Transparent plastic
- Dial: Painted Steel
- Pointer: Painted Aluminium
- Pressure connection: Brass
- Pressure element: Bourdon tube Cu-alloy soft soldered

**Technical data**

- Max working pressure: Static: 7 bar  
Fluctuating: 6 bar  
Short time: 10 bar
- Working temperature: From -40 °C to +60 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids  
HFA, HFB, HFC according to ISO 2943
- Accuracy: Class 2.5 according to EN 13190
- Degree of protection: IP31 according to EN 60529

BVP - BVQ		Hydraulic symbol	Materials	
Visual Pressure Indicator				
Setting	Ordering code			
1.5 bar ±10%	BV P 15 H P01		<b>Technical data</b> - Reset: BVP - Automatic reset BVQ - Manual reset - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP45 according to EN 60529	
	BV Q 15 H P01			
2.0 bar ±10%	BV P 20 H P01			
	BV Q 20 H P01			
		<b>Signals</b>		
		 Absence of pressure (no indicator)	 Presence of pressure (green button rises gradually)	 Clogged filter element (red button risen)

## Designation & Ordering code

BAROMETRIC INDICATORS							
<b>Series</b>	Configuration example 1: <b>BE</b> <b>M</b> <b>15</b> <b>H</b> <b>A</b> <b>41</b> <b>P01</b>						
<b>BE</b> Electrical pressure indicator	Configuration example 2: <b>BL</b> <b>A</b> <b>20</b> <b>H</b> <b>A</b> <b>71</b> <b>P01</b>						
<b>BL</b> Electrical/Visual pressure indicator	Configuration example 3: <b>BV</b> <b>P</b> <b>20</b> <b>H</b> <b></b> <b></b> <b>P01</b>						
<b>BV</b> Visual pressure indicator	Configuration example 4: <b>BV</b> <b>R</b> <b>14</b> <b></b> <b></b> <b></b> <b>P01</b>						
<b>Type BE - BL</b>	<b>BE</b>	<b>BL</b>	<b>Type BV</b>				
<b>A</b> Standard type	•	•	<b>A</b> Axial connection pressure gauge				
<b>M</b> With wired electrical connection	•		<b>P</b> Visual indicator with automatic reset				
<b>T</b> With thermal switch	•		<b>Q</b> Visual indicator with manual reset				
			<b>R</b> Radial connection pressure gauge				
<b>Pressure setting</b>	<b>BEA-BEM</b>	<b>BET</b>	<b>BLA</b>	<b>BVA-BVR</b>	<b>BVP-BVQ</b>		
<b>14</b> 1.4 bar				•			
<b>15</b> 1.5 bar	•		•				
<b>20</b> 2.0 bar	•	•	•		•		
<b>25</b> 2.5 bar		•		•			
<b>Seals</b>	<b>BEA-BEM</b>	<b>BET</b>	<b>BLA</b>	<b>BVP-BVQ</b>			
<b>H</b> HNBR	•	•	•	•			
<b>Thermostat</b>	<b>BEA-BEM</b>	<b>BET</b>	<b>BLA</b>				
<b>A</b> Without	•		•				
<b>F</b> With		•					
<b>Electrical connections</b>	<b>BEA</b>	<b>BEM</b>	<b>BET</b>	<b>BLA</b>			
<b>10</b> Connection AMP Superseal series 1.5			•				
<b>30</b> Connection Deutsch DT-04-2-P			•				
<b>41</b> Connection via four-core cable		•					
<b>50</b> Connection EN 175301-803		•	•				
<b>51</b> Connection EN 175301-803, transparent base with lamps 24 Vdc					•		
<b>52</b> Connection EN 175301-803, transparent base with lamps 110 Vdc					•		
<b>53</b> Connection EN 175301-803, transparent base with lamps 230 Vdc					•		
<b>71</b> Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc					•		
	<b>Option</b>						
	<b>P01</b> MP Filtri standard						
	<b>Pxx</b> Customized						