

## Pressure Gauge IPE - IPM

**VERSATILE**  
**ECONOMIC**



### THE IPE / IPM PRESSURE GAUGES OFFER A RELIABLE AND ECONOMICAL SOLUTION TO PRESSURE CONTROL FOR PREVENTING OVER-FILLING AND OVER-PRESSURIZING A SILO

**IPE (electronic pressure gauge):** indicates the pressure inside the silo through an electrical signal output. Signal range may be chosen as 0-20mA or 4-20 mA.

**IPM (mechanical pressure gauge):** indicates if the pressure level is lower or higher than the pressure limit the gauge is rated for.

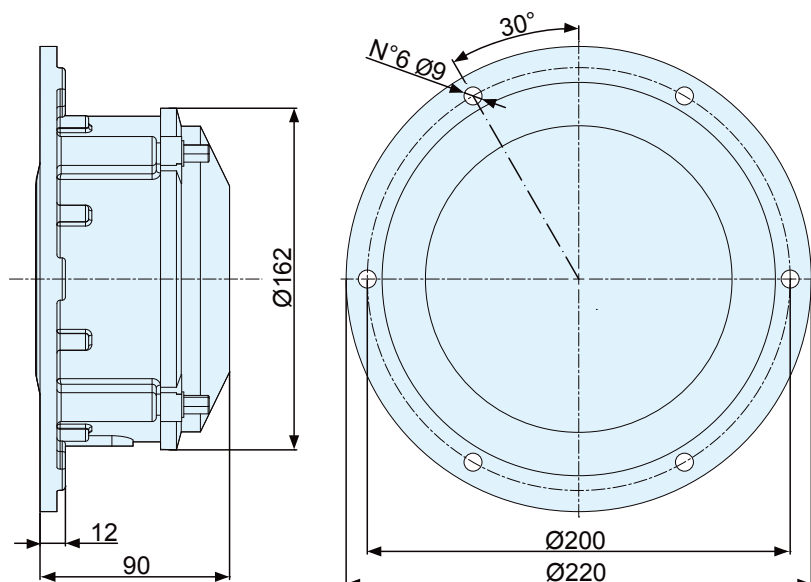
During the filling procedure and during the purging of the tanker, the IPE silo pressure gauge gives in real time, the pressure value inside the silo, while the IPM silo pressure gauge supervises the overpressure rising inside the silo.

#### Features

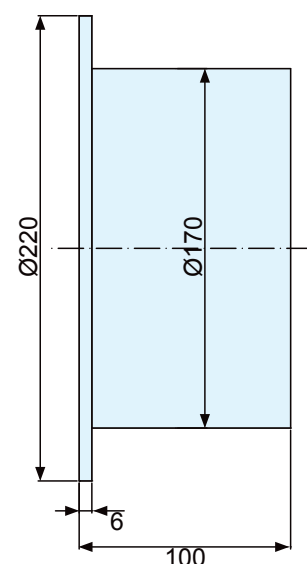
| MODEL                                | IPM                            | IPE          |
|--------------------------------------|--------------------------------|--------------|
| Protection level                     | IP55                           |              |
| Operating temperature                | -25° - +80°C                   | -20° - +60°C |
| Electric cable                       | 2x1.5 mm <sup>2</sup> shielded |              |
| Max. Microswitch Voltage and current | 250 V – 5A                     |              |
| Supply Voltage                       |                                | 14-25 VDC    |
| Power                                |                                | 2W           |

#### Overall Dimensions

##### IPE/M



##### IPX



Dimensions in mm

## Benefits

- ✓ Self-cleaning wear and temperature resistant membrane EPDM;
- ✓ Self-cleaning wear and temperature resistant membrane for foodstuffs;
- ✓ Aluminium alloy body;
- ✓ Equipped with circuit board (IPE) or Contact Switch (IPM).

1 Cover

2 Cable Gland

3 Air vents filter (IPM only)

4 Membrane  
EPDM

Food Grade Rubber



5 Housing  
IPE



Electronic Card

IPM



Microswitch

| IPE   |                    |                   |
|-------|--------------------|-------------------|
| Code  | Output Signal (mA) | Membrane Material |
| IPE1  | 0 – 20             | EPDM              |
| IPEA1 |                    | Food grade rubber |
| IPE5  | 4 – 20             | EPDM              |
| IPEA5 |                    | Food grade rubber |

| IPM      |                             |                   |
|----------|-----------------------------|-------------------|
| Code     | Rated Switch Pressure (bar) | Membrane Material |
| IPM2001  | 0.02                        | EPDM              |
| IPM200A1 |                             | Food grade rubber |
| IPM3001  | 0.03                        | EPDM              |
| IPM300A1 |                             | Food grade rubber |
| IPM4001  | 0.04                        | EPDM              |
| IPM400A1 |                             | Food grade rubber |

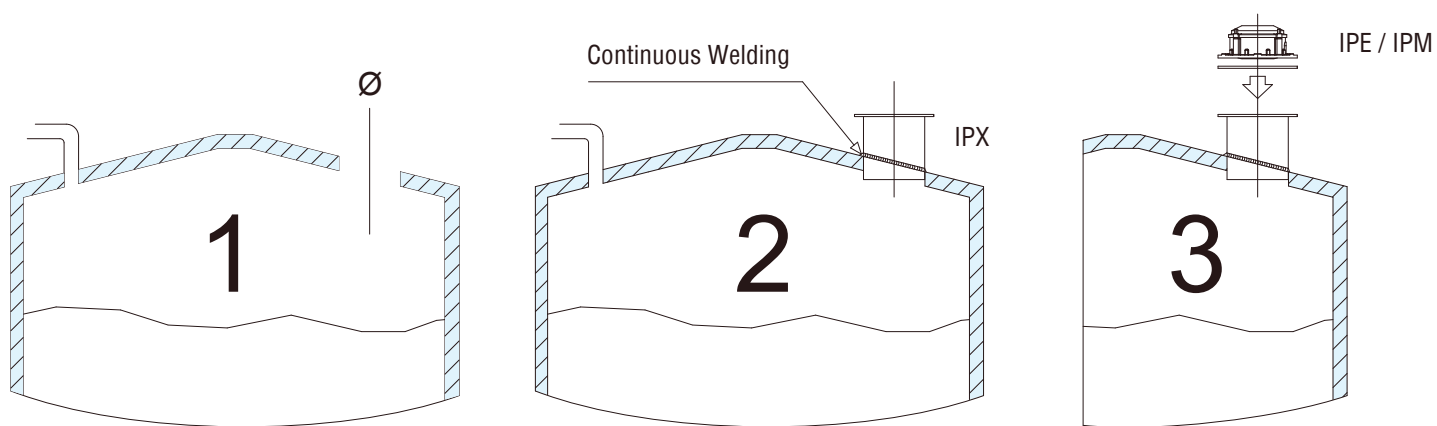
## Accessories



### Adaptor IPX

- Adaptor IPX made to be welded on the silo roof to fix the IPE/IPM;
- Made from Carbon Steel.

# Application



Commonly installed on the roof of the silo or container, IPE and IPM are used to monitor the pressure level inside the silo or container.



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