



Clogging Indicators

EVOTEK Clogging Indicators

Product Description

- Clogging indicators are designed to indicate visually and/or electrically when the filter elements must be cleaned or changed.
- Clogging indicators measure the pressure drop through the filter element directly connected to the filter housing
- Indicate when the filter element is becoming blocked and needs to be changed.

Technical Specifications

Depending on the type of filter, vacuum, return line or differential pressure clogging indicators are used.

These type of devices can be provided with a visual, electrical or both signals.

Return line and suction indicators

These are used for return line and suction filters. In return line filters they react to the increasing static pressure before the filter element, and in suction filters to the decreasing pressure after the filter element, which is caused by increasing contamination.

Differential pressure indicators

Differential pressure indicators operate by sensing the differential pressure between ports upstream and downstream of the filter element.

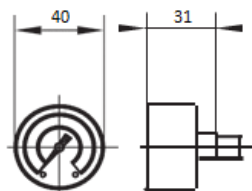
These are used for all inline filters and react to the increasing pressure differential caused by increasing contamination of the filter element.

Vacuum Indicators

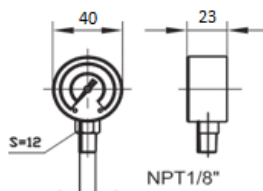
Vacuum gauges

Material: steel housing
 Seals: NBR
 Temperature range: -10°C to 100°C

Axial mounting



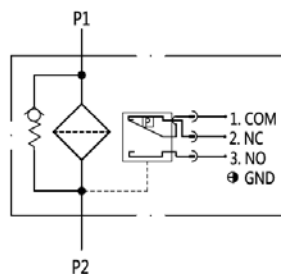
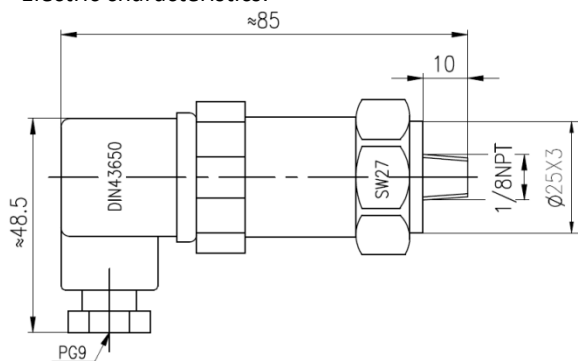
Radial mounting



Type	Description	Connection	Indicator
VA	Axial vacuum gauge	1/8" NPT	-1 – 0 bar
VR	Radial vacuum gauge	1/8" NPT	-1 – 0 bar

Electrical Vacuum Indicator

Operating pressure: max. 20 bar
 Seals: NBR
 Temperature range: -10°C to 100°C
 Ingress protection: IP65
 Electric characteristics: 250 V AC, 1 A

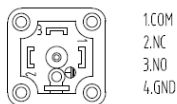
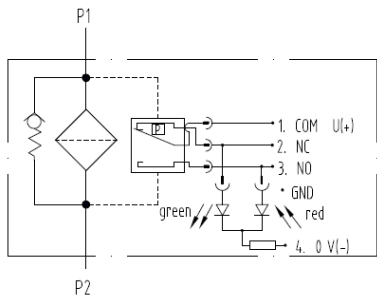
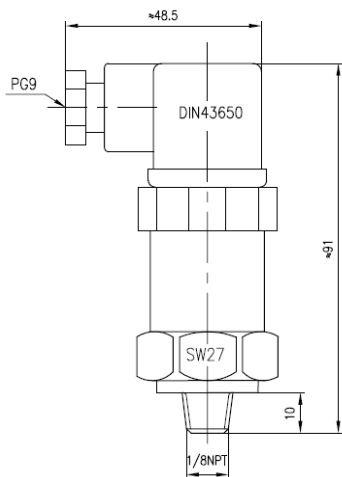


Type	Description	Connection	Indicator
S03	Vacuum switch	1/8" NPT	-0.3 bar
S02	Vacuum switch	1/8" NPT	-0.2 bar

Vacuum Indicators

Electrical/Visual Vacuum Indicator

Operating pressure:	max. 20 bar
Seals:	NBR
Temperature range:	-10°C to 100°C
Ingress protection:	IP65
Electric characteristics:	250 V AC, 1 A



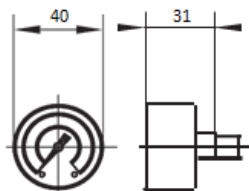
Type	Description	Connection	Indicator
S03LED	Vacuum switch	1/8" NPT	-0.3 bar
S02LED	Vacuum switch	1/8" NPT	-0.2 bar

Return Line Indicators

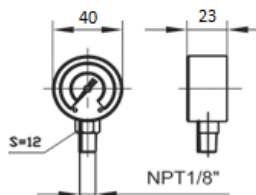
Pressure gauges

Material:	steel housing
Seals:	NBR
Temperature range:	-10°C to 100°C

Axial mounting



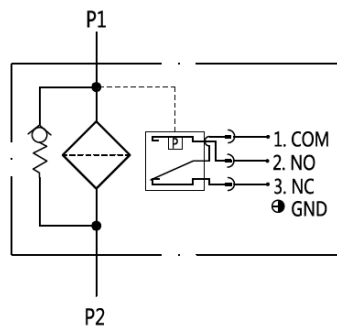
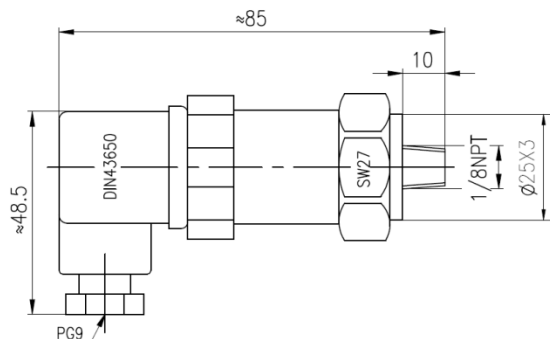
Radial mounting



Type	Description	Connection	Indicator
PA	Axial pressure gauge	1/8" NPT	0– 10 bar
PR	Radial pressure gauge	1/8" NPT	0– 10 bar
PZ	Axial pressure gauge	1/8" NPT	0– 4 bar
PS	Radial pressure gauge	1/8" NPT	0– 4 bar

Electrical Pressure Switch

Operating pressure:	max. 20 bar
Seals:	NBR
Temperature range:	-10°C to 100°C
Ingress protection:	IP65
Electric characteristics:	250 V AC, 1 A



Type	Description	Connection	Indicator
R13	Electrical Pressure Switch	1/8" NPT	1.3 bar
R15	Electrical Pressure Switch	1/8" NPT	1.5 bar
R20	Electrical Pressure Switch	1/8" NPT	2.0 bar
R35	Electrical Pressure Switch	1/8" NPT	3.5 bar

Return Line Indicators

Visual Indicator and Electrical Switch

Operating pressure:

max. 20 bar

Seals:

NBR

Temperature range:

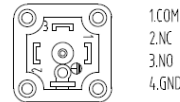
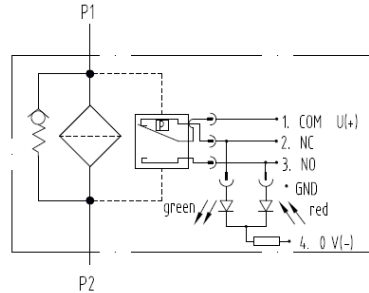
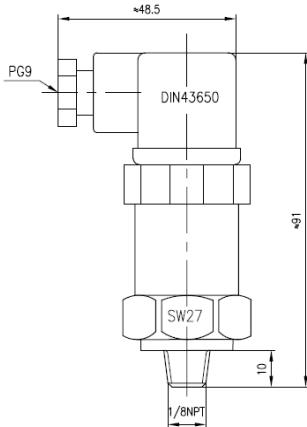
-10°C to 100°C

Ingress protection:

IP65

Electric characteristics:

24 VDC, 10W



Type	Description	Connection	Indicator
R13LED	Electrical Pressure Switch	1/8" NPT	1.3 bar
R15LED	Electrical Pressure Switch	1/8" NPT	1.5 bar
R20LED	Electrical Pressure Switch	1/8" NPT	2.0 bar
R35LED	Electrical Pressure Switch	1/8" NPT	3.5 bar

Electrical Pressure Switch

Operating pressure:

max. 20 bar

Seals:

NBR

Temperature range:

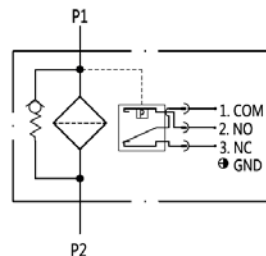
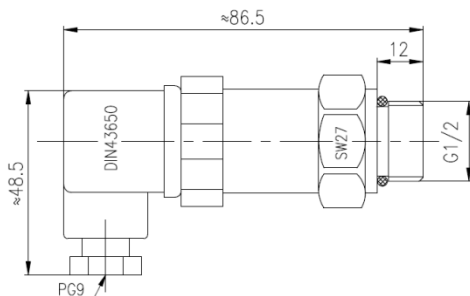
-10°C to 100°C

Ingress protection:

IP65

Electric characteristics:

250 V AC, 1 A

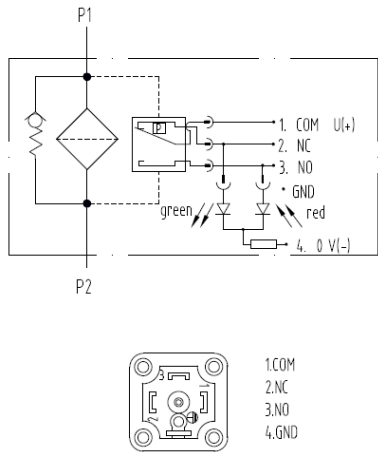
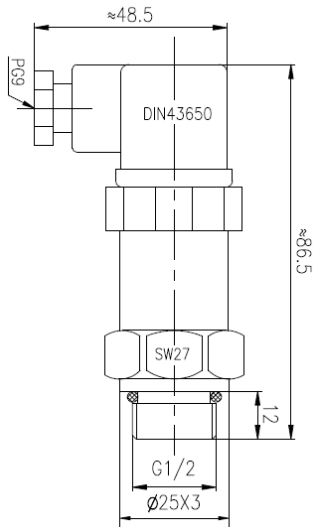


Type	Description	Connection	Indicator
2RE	Electrical Pressure Switch	1/2" BSP	2.0 bar
3RE	Electrical Pressure Switch	1/2" BSP	3.0bar

Return Line Indicators

Visual Indicator and Electrical Switch

Operating pressure:	max. 20 bar
Seals:	NBR
Temperature range:	-10°C to 100°C
Ingress protection:	IP65
Electric characteristics:	24 VDC, 10W



Type	Description	Connection	Indicator
2RELED	Electrical Pressure Switch	1/2" BSP	2.0 bar
3RELED	Electrical Pressure Switch	1/2" BSP	3.0 bar

Differential Pressure Indicators

Visual Differential Indicator

Operating pressure:

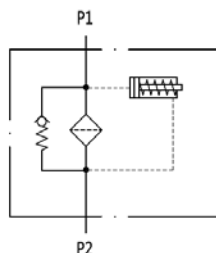
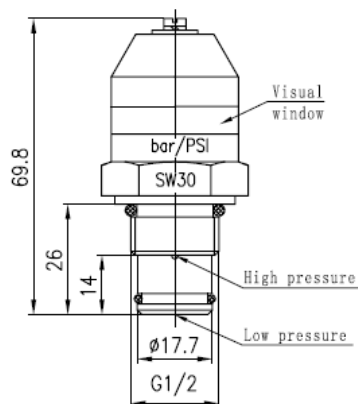
max. 420 bar

Seals:

NBR

Temperature range:

-10°C to 100°C



Type	Description	Connection	Indicator
2PV	Visual Differential Indicator	1/2" BSP	2.0 bar
5PV	Visual Differential Indicator	1/2" BSP	5.0bar
8PV	Visual Differential Indicator	1/2" BSP	8.0 bar

Visual Differential Indicator

Operating pressure:

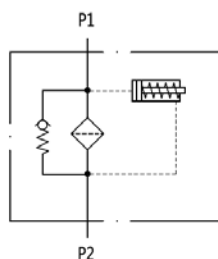
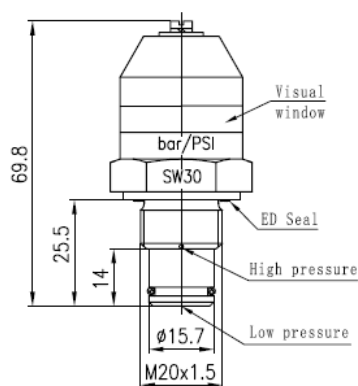
max. 420 bar

Seals:

NBR

Temperature range:

-10°C to 100°C

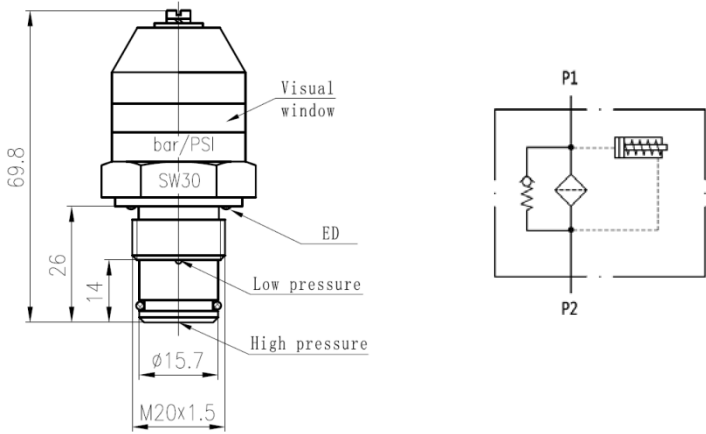


Type	Description	Connection	Indicator
V13	Visual Differential Indicator	M20x1.5	1.3 bar
V20	Visual Differential Indicator	M20x1.5	2.0 bar
V25	Visual Differential Indicator	M20x1.5	2.5 bar
V50	Visual Differential Indicator	M20x1.5	5.0 bar
V80	Visual Differential Indicator	M20x1.5	8.0 bar

Differential Pressure Indicators

Visual Differential Indicator

Operating pressure: max. 420 bar
Seals: NBR
Temperature range: -10°C to 100°C

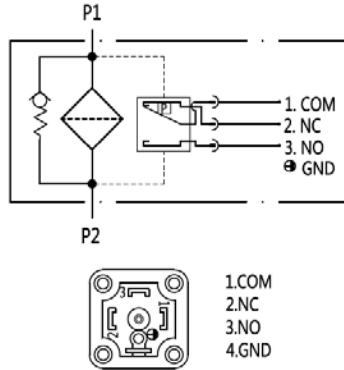
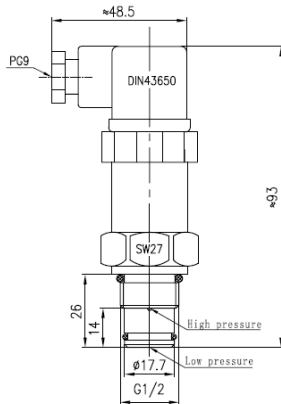


Type	Description	Connection	Indicator
X25	Visual Differential Indicator	M20x1.5	2.5 bar
X50	Visual Differential Indicator	M20x1.5	5.0 bar

Differential Pressure Indicators

Electric Differential Pressure Indicator

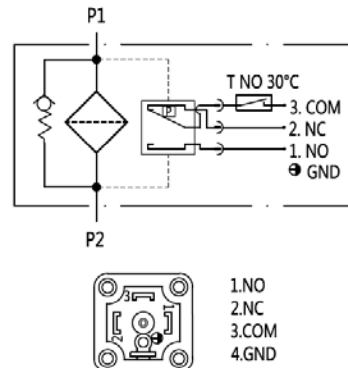
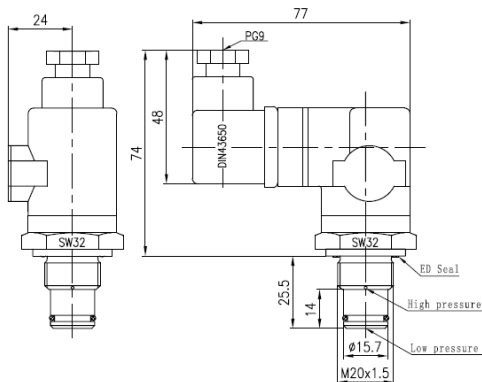
Operating pressure:	max. 420 bar
Seals:	NBR
Temperature range:	-10°C to 100°C
Ingress protection:	IP65
Electric characteristics:	250 V AC, 1 A



Type	Description	Connection	Indicator
2PE	Electric differential pressure indicator	1/2" BSP	2.0 bar
5PE	Electric differential pressure indicator	1/2" BSP	5.0 bar
8PE	Electric differential pressure indicator	1/2" BSP	8.0 bar

Electric Differential Pressure Indicator

Operating pressure:	max. 420 bar
Seals:	NBR
Temperature range:	-10°C to 100°C
Ingress protection:	IP65
Electric characteristics:	250 V AC, 1 A
Indicator starts working at 30°C oil temperature	

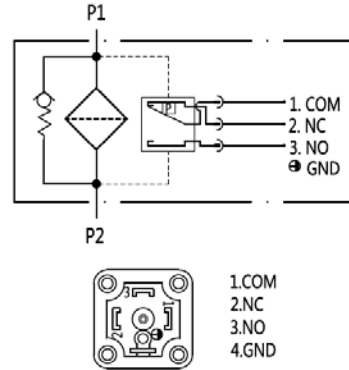
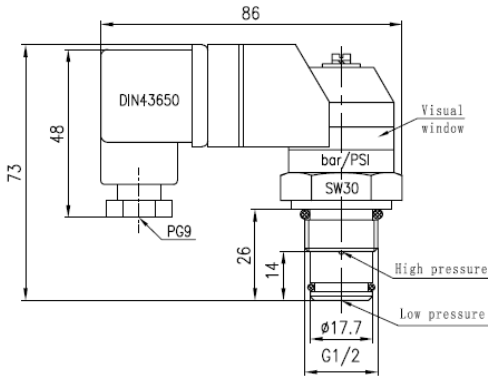


Type	Description	Connection	Indicator
E20T	Electric differential pressure indicator	M20x1.5	2.0 bar
E50T	Electric differential pressure indicator	M20x1.5	5.0 bar

Differential Pressure Indicators

Visual / Electrical Differential Pressure Indicator

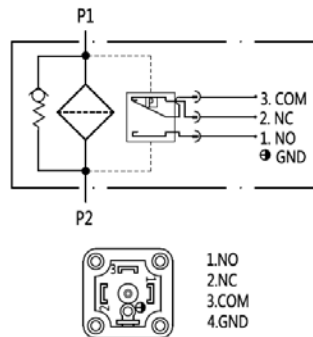
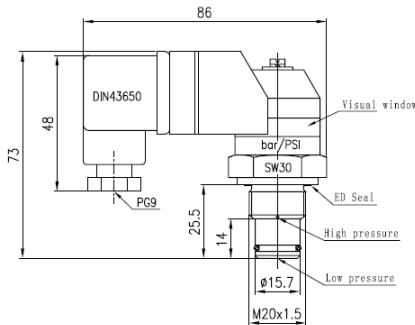
Operating pressure: max. 420 bar
 Seals: NBR
 Temperature range: -10°C to 100°C
 Ingress protection: IP65
 Electric characteristics: 250 V AC, 1 A



Type	Description	Connection	Indicator
2PB	Visual / Electric differential pressure indicator	1/2" BSP	2.0 bar
5PB	Visual / Electric differential pressure indicator	1/2" BSP	5.0 bar
8PB	Visual / Electric differential pressure indicator	1/2" BSP	8.0 bar

Visual / Electrical Differential Pressure Indicator

Operating pressure: max. 420 bar
 Seals: NBR
 Temperature range: -10°C to 100°C
 Ingress protection: IP65
 Electric characteristics: 250 V AC, 1 A



Type	Description	Connection	Indicator
E13	Visual / Electric differential pressure indicator	M20x1.5	1.3 bar
E15	Visual / Electric differential pressure indicator	M20x1.5	1.5 bar
E20	Visual / Electric differential pressure indicator	M20x1.5	2.0 bar
E25	Visual / Electric differential pressure indicator	M20x1.5	2.5 bar
E50	Visual / Electric differential pressure indicator	M20x1.5	5.0 bar
E80	Visual / Electric differential pressure indicator	M20x1.5	8.0bar

Differential Pressure Indicators

Visual / Electrical Differential Pressure Indicator

Operating pressure:

max. 420 bar

Seals:

NBR

Temperature range:

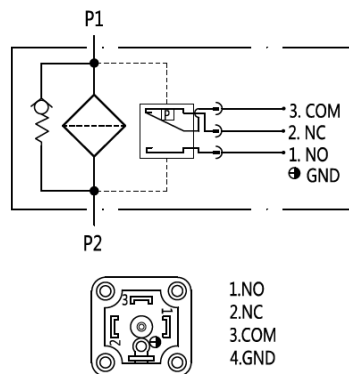
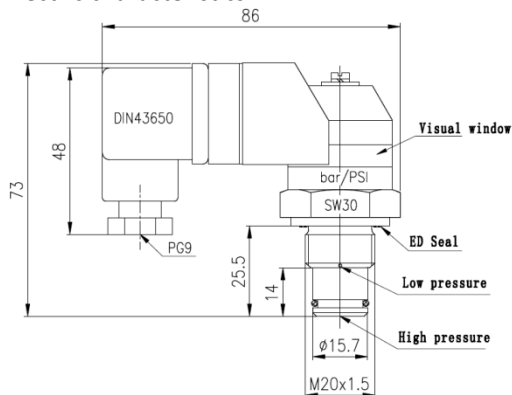
-10°C to 100°C

Ingress protection:

IP65

Electric characteristics:

250 V AC, 1 A



Type	Description	Connection	Indicator
Y25	Visual / Electric differential pressure indicator	M20x1.5	2.0 bar
Y50	Visual / Electric differential pressure indicator	M20x1.5	5.0 bar

Visual / Electrical Differential Pressure Indicator

Operating pressure:

max. 420 bar

Seals:

NBR

Temperature range:

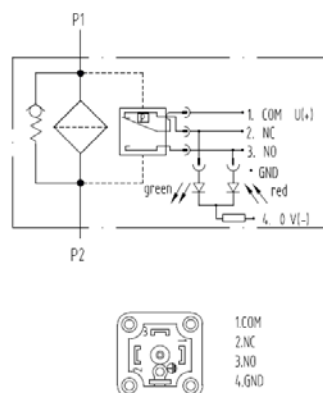
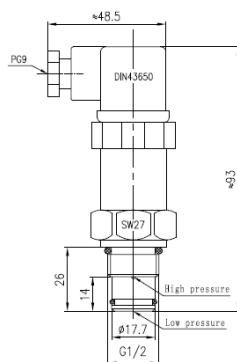
-10°C to 100°C

Ingress protection:

IP65

Electric characteristics:

24 VDC, 10W

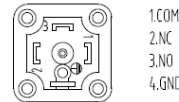
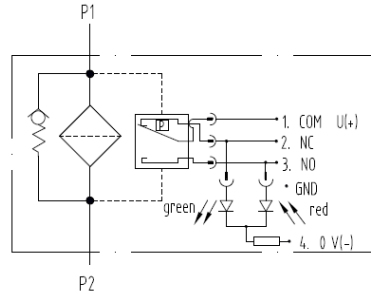
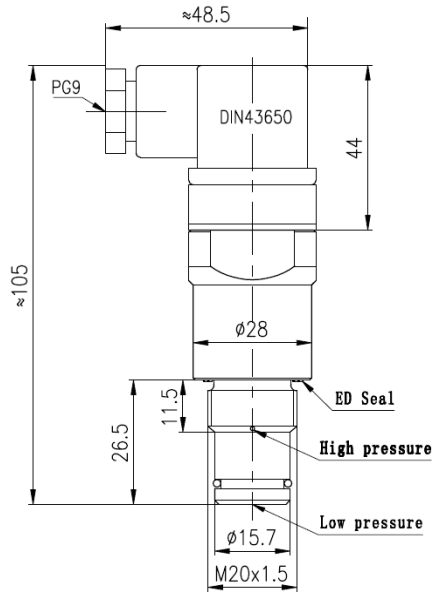


Type	Description	Connection	Indicator
1.3PL	Visual / Electric differential pressure indicator	1/2" BSP	1.3 bar
2PL	Visual / Electric differential pressure indicator	1/2" BSP	2.0 bar
2.5PL	Visual / Electric differential pressure indicator	1/2" BSP	2.5 bar
5PL	Visual / Electric differential pressure indicator	1/2" BSP	5.0 bar
8PL	Visual / Electric differential pressure indicator	1/2" BSP	8.0 bar

Differential Pressure Indicators

Visual / Electrical Differential Pressure Indicator

Operating pressure:	max. 420 bar
Seals:	NBR
Temperature range:	-10°C to 100°C
Ingress protection:	IP65
Electric characteristics:	24 VDC, 10W



Type	Description	Connection	Indicator
L13	Visual / Electric differential pressure indicator	M20x1.5	1.3 bar
L20	Visual / Electric differential pressure indicator	M20x1.5	2.0 bar
L25	Visual / Electric differential pressure indicator	M20x1.5	2.5 bar
L50	Visual / Electric differential pressure indicator	M20x1.5	5.0 bar
L80	Visual / Electric differential pressure indicator	M20x1.5	8.0 bar