



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.

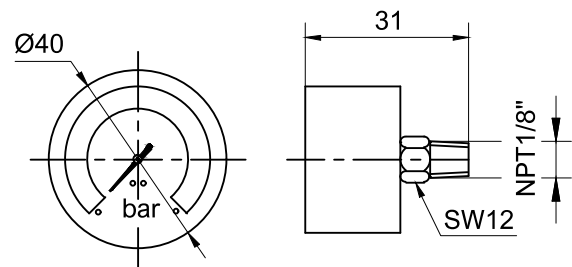
These are used for all inline filters and react to the increasing pressure differential caused by increasing contamination of the filter element.

Vacuum Indicators

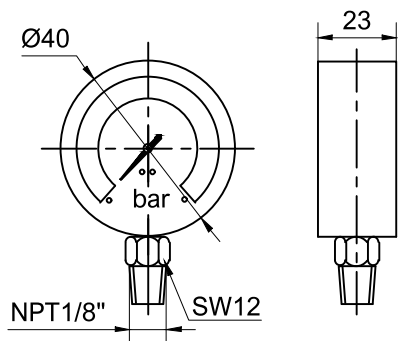
Vacuum gauges

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

Axial mounting



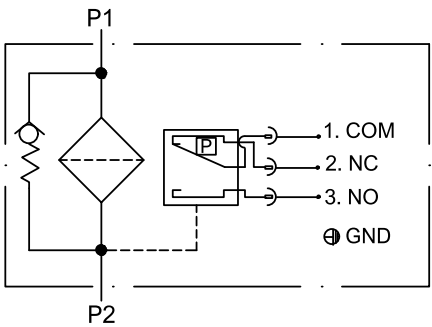
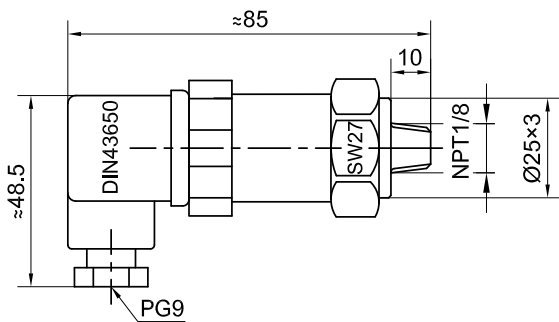
Radial mounting



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

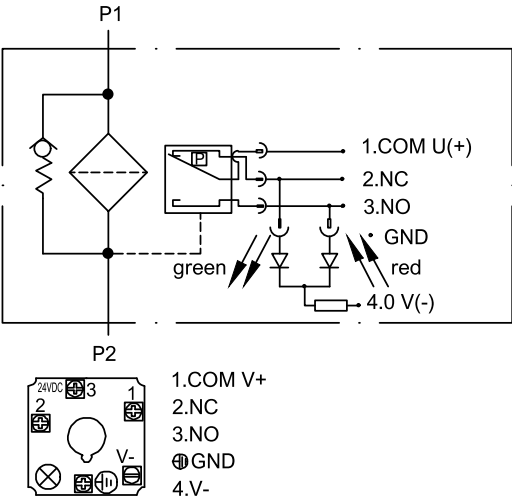
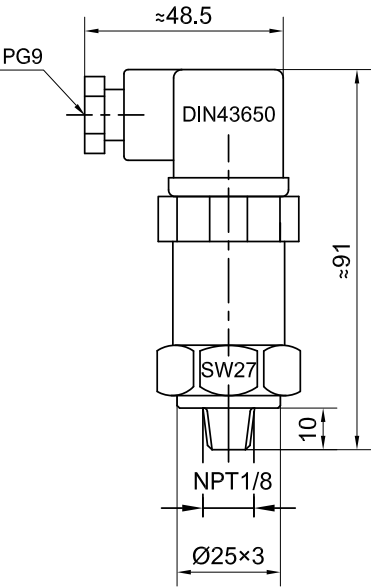


Type	Description	Connection	Indicator
S03	Vacuum switch	1/8" NPT	-0.3 bar
S02	Vacuum switch	1/8" NPT	-0.2 bar

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



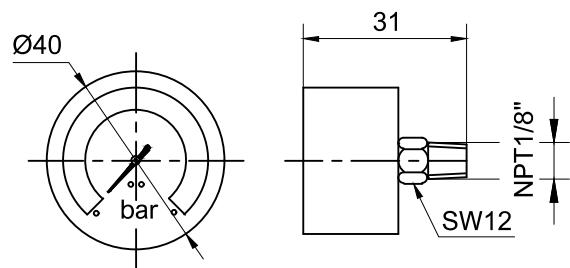
Type	Description	Connection	Indicator
S03LED	Vacuum switch	1/8" NPT	-0.3 bar
S02LED	Vacuum switch	1/8" NPT	-0.2 bar

Return Line Indicators

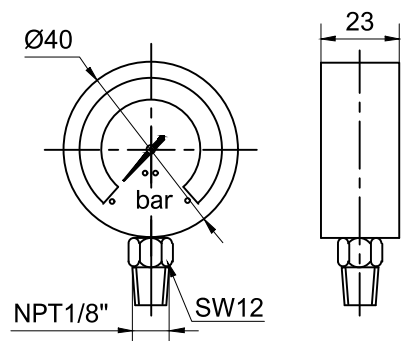
Pressure gauges

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

Axial mounting



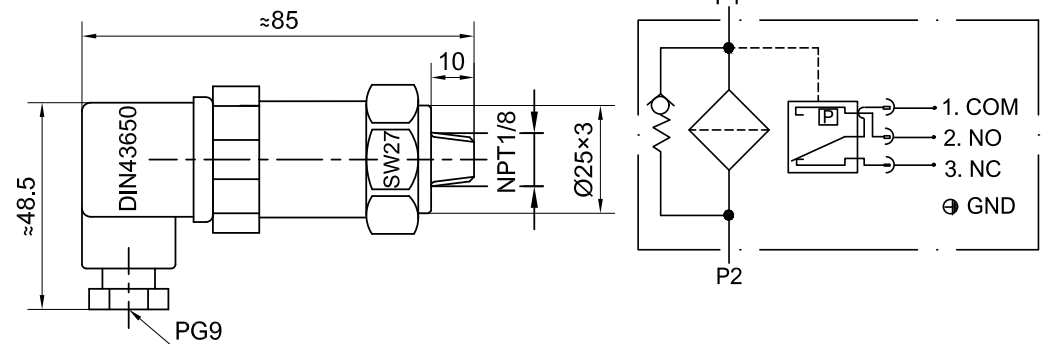
Radial mounting



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

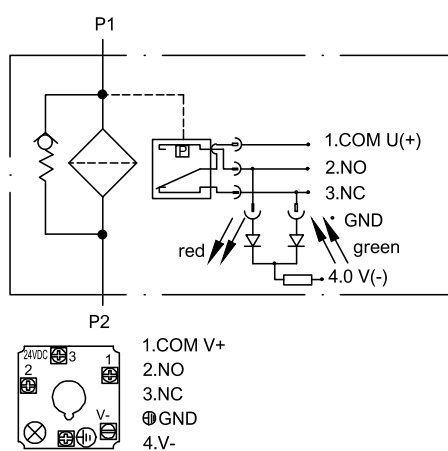
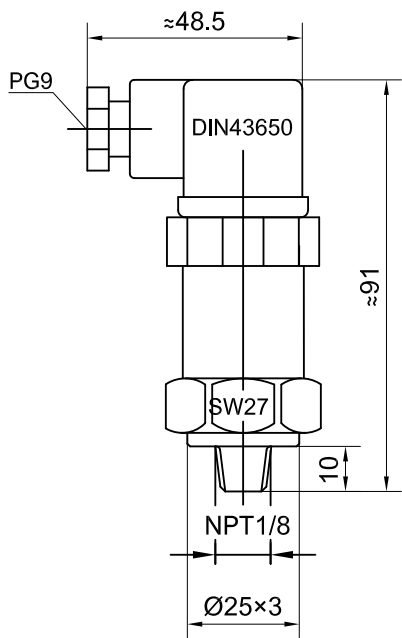


Type	Description	Connection	Indicator
R13	Electrical Pressure Switch	1/8" NPT	1.3 bar
R15	Electrical Pressure Switch	1/8" NPT	1.5 bar
R20	Electrical Pressure Switch	1/8" NPT	2.0 bar
R35	Electrical Pressure Switch	1/8" NPT	3.5 bar

Return Line Indicators

Visual Indicator and Electrical Switch

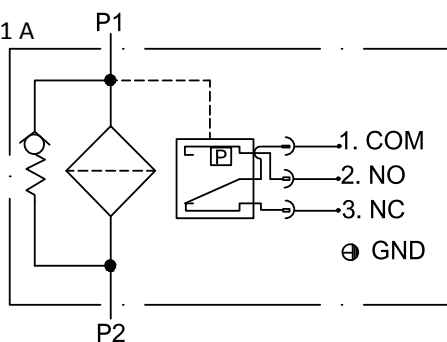
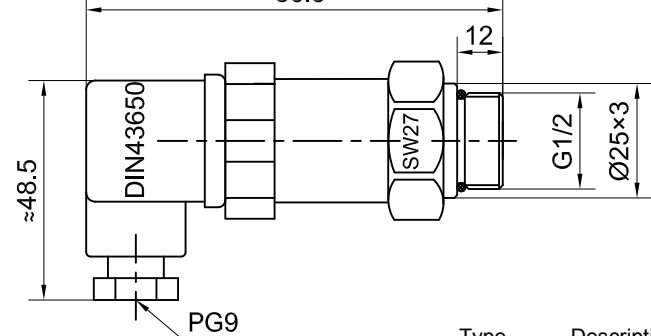
Operating pressure: max. 20 bar
Seals: NBR
Temperature range: -10°C to 100°C
Ingress protection: IP65
Electric characteristics: 24 VDC, 10W



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

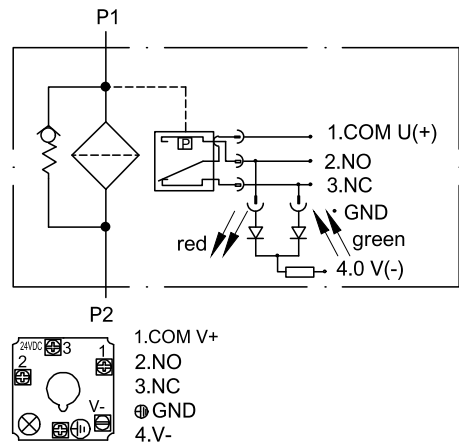
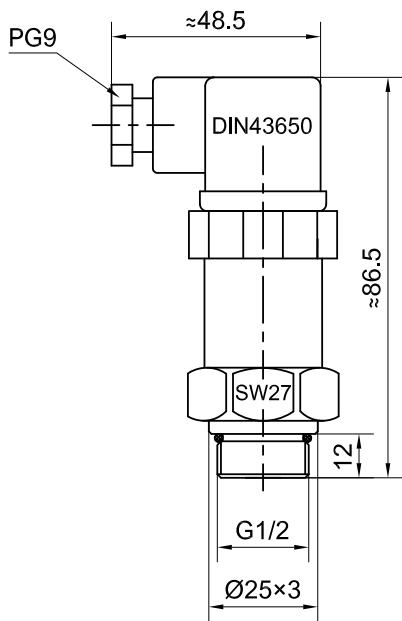


Type	Description	Connection	Indicator
2RE	Electrical Pressure Switch	1/2" BSP	2.0 bar
3RE	Electrical Pressure Switch	1/2" BSP	3.0bar

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

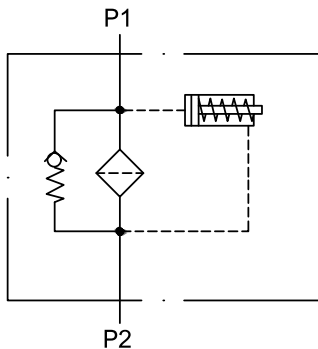
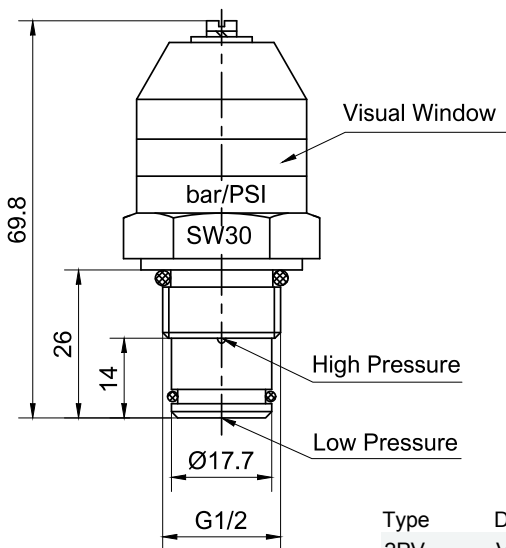


Type	Description	Connection	Indicator
2RELED	Electrical Pressure Switch	1/2" BSP	2.0 bar
3RELED	Electrical Pressure Switch	1/2" BSP	3.0 bar

Differential Pressure Indicators

Visual Differential Indicator

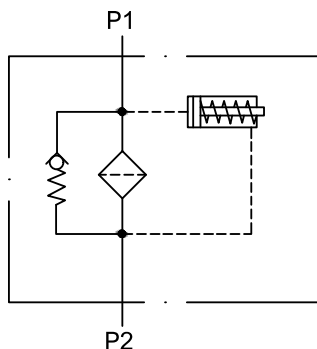
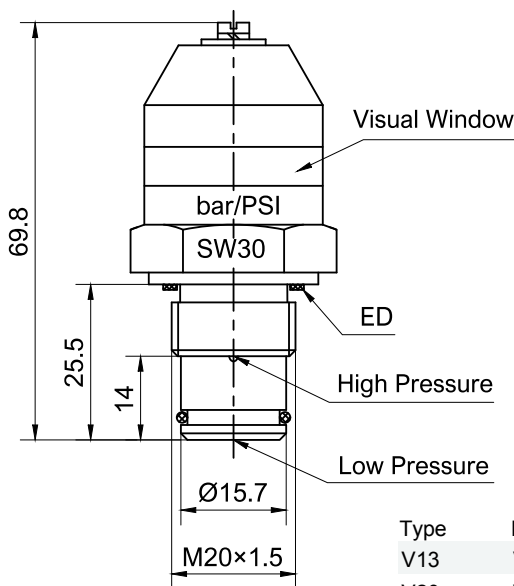
Operating pressure: max. 420 bar
Seals: NBR
Temperature range: -10°C to 100°C



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:

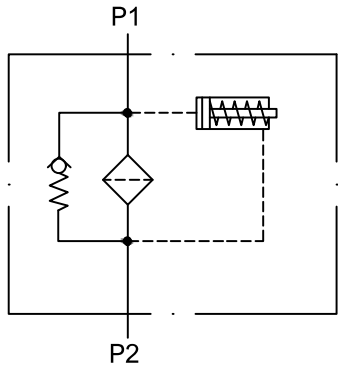
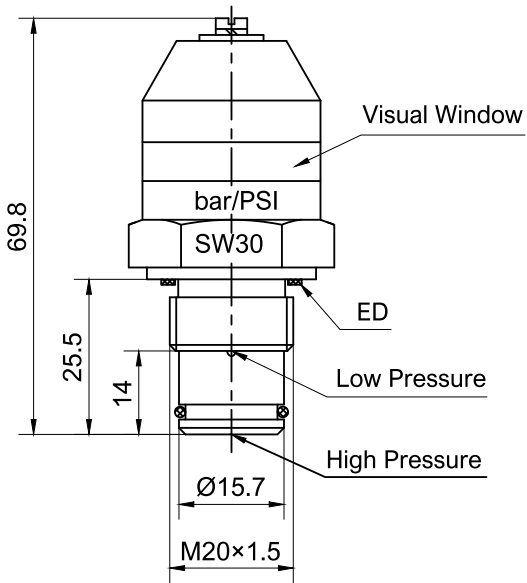
Seals:

Temperature range:

max. 420 bar

NBR

-10°C to 100°C

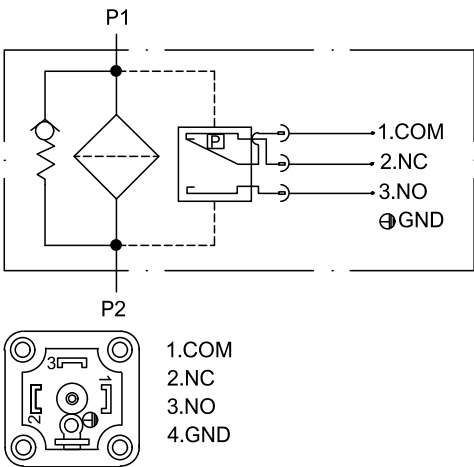
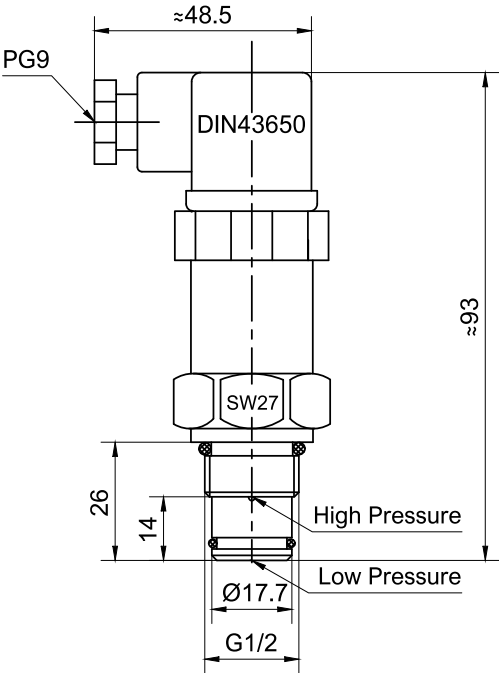


Type	Description	Connection	Indicator
X25	Visual Differential Indicator	M20x1.5	2.5 bar
X50	Visual Differential Indicator	M20x1.5	5.0 bar

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

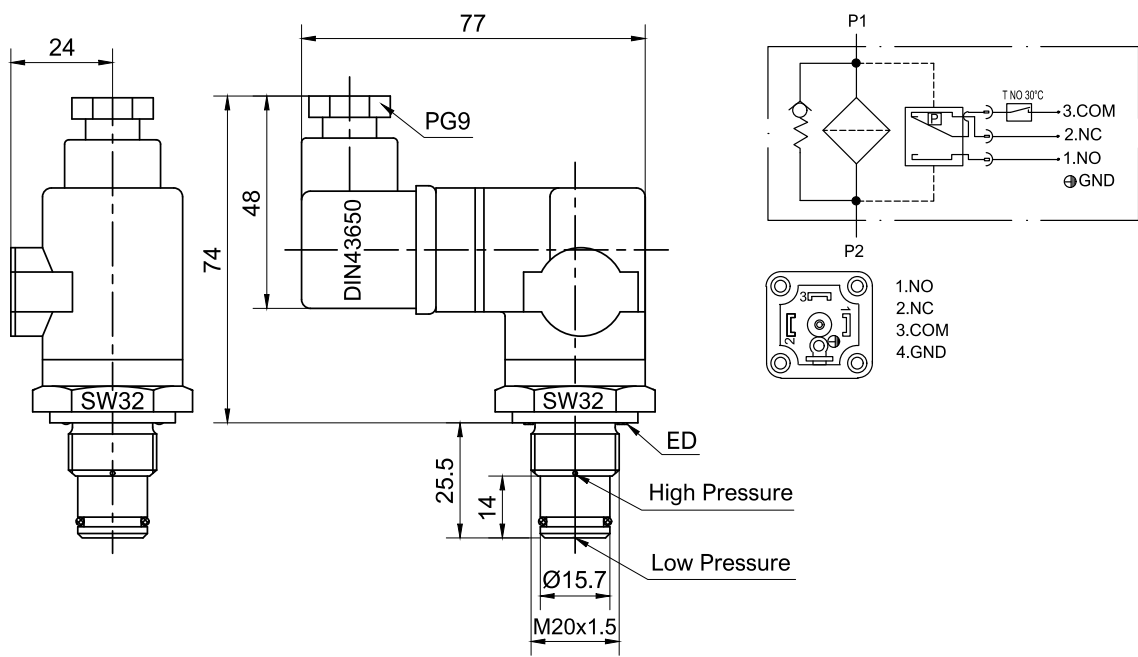


Type	Description	Connection	Indicator
2PE	Electric differential pressure indicator	1/2" BSP	2.0 bar
5PE	Electric differential pressure indicator	1/2" BSP	5.0 bar
8PE	Electric differential pressure indicator	1/2" BSP	8.0 bar

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
Integrated thermostat:	Indicator starts working at 30°C oil temperature

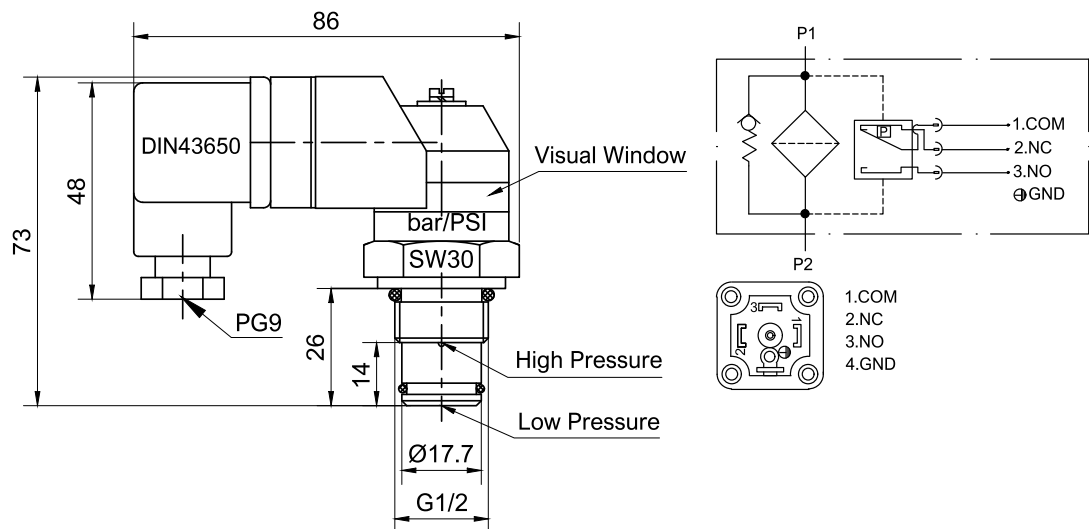


Type	Description	Connection	Indicator
E20T	Electric differential pressure indicator	M20x1.5	2.0 bar
E50T	Electric differential pressure indicator	M20x1.5	5.0 bar

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

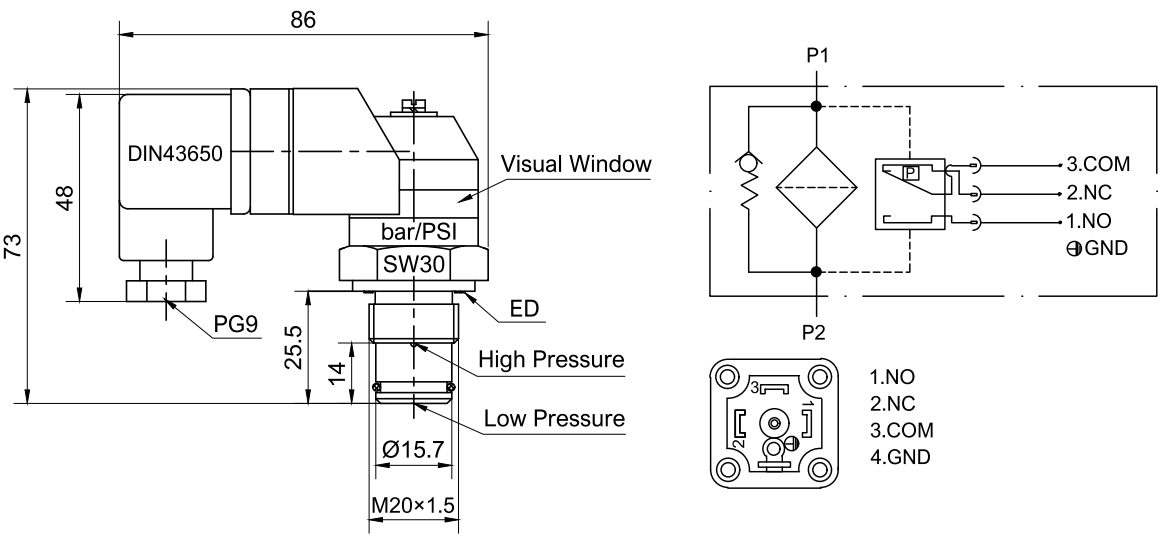


Type	Description	Connection	Indicator
2PB	Visual / Electric differential pressure indicator	1/2" BSP	2.0 bar
5PB	Visual / Electric differential pressure indicator	1/2" BSP	5.0 bar
8PB	Visual / Electric differential pressure indicator	1/2" BSP	8.0 bar

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

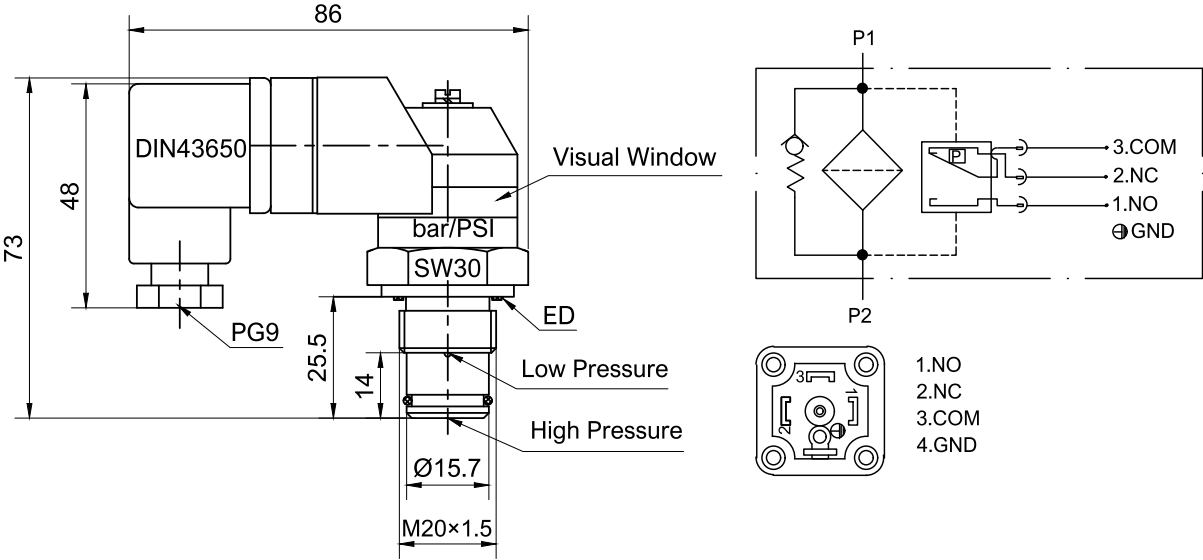


Type	Description	Connection	Indicator
E13	Visual / Electric differential pressure indicator	M20x1.5	1.3 bar
E15	Visual / Electric differential pressure indicator	M20x1.5	1.5 bar
E20	Visual / Electric differential pressure indicator	M20x1.5	2.0 bar
E25	Visual / Electric differential pressure indicator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

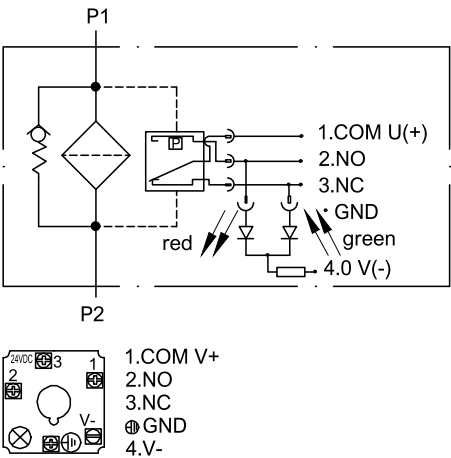
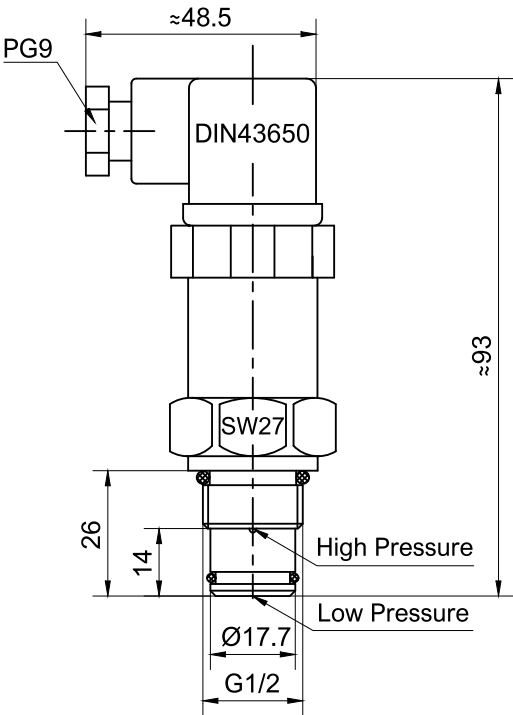


Type	Description	Connection	Indicator
Y25	Visual / Electric differential pressure indicator	M20x1.5	2.0 bar
Y50	Visual / Electric differential pressure indicator	M20x1.5	5.0 bar

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

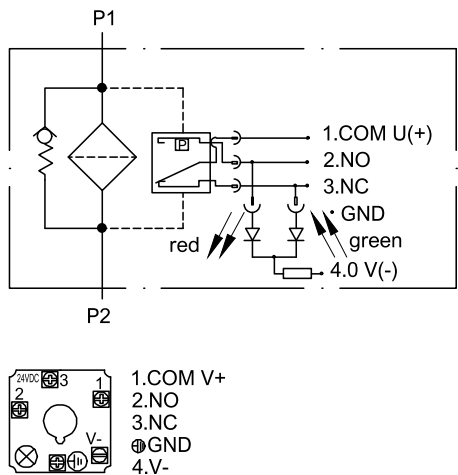
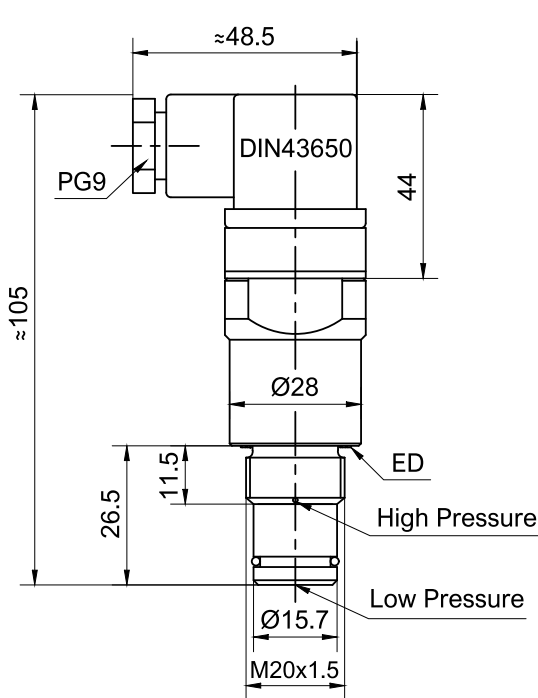


Type	Description	Connection	Indicator
1.3PL	Visual / Electric differential pressure indicator	1/2" BSP	1.3 bar
2PL	Visual / Electric differential pressure indicator	1/2" BSP	2.0 bar
2.5PL	Visual / Electric differential pressure indicator	1/2" BSP	2.5 bar
5PL	Visual / Electric differential pressure indicator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

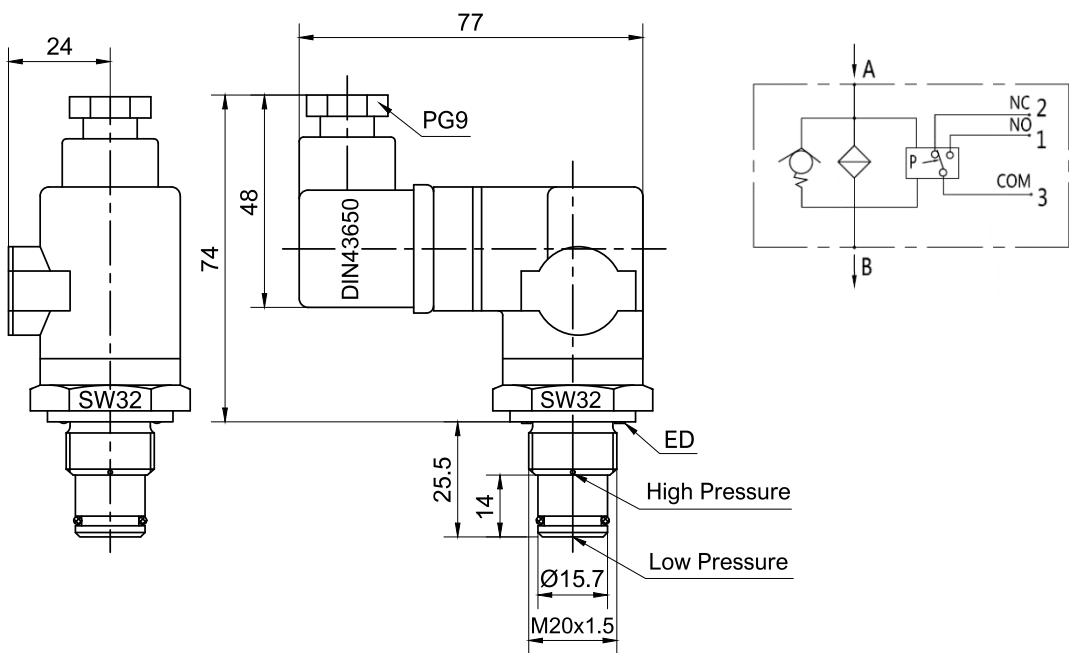


Type	Description	Connection	Indicator
L13	Visual / Electric differential pressure indicator	M20x1.5	1.3 bar
L20	Visual / Electric differential pressure indicator	M20x1.5	2.0 bar
L25	Visual / Electric differential pressure indicator	M20x1.5	2.5 bar
L50	Visual / Electric differential pressure indicator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

Differential Pressure Indicators

Electric Differential Pressure Indicator

Operating pressure:	max. 315 bar
Seals:	NBR
Temperature range:	-10°C to 100°C
Ingress protection:	IP65
Electric characteristics:	250 V AC, 1 A



Type	Description	Connection	Indicator
E13S	Electric differential pressure indicator	M20x1.5	1.3 bar
E20S	Electric differential pressure indicator	M20x1.5	2.0 bar
E25S	Electric differential pressure indicator	M20x1.5	2.5 bar
E50S	Electric differential pressure indicator	M20x1.5	5.0 bar
E80S	Electric differential pressure indicator	M20x1.5	8.0 bar



EFB Series

EVOTEK Air breather filter

Product Description

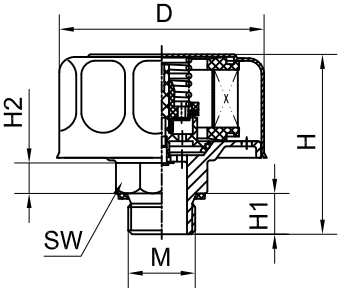
- 750 l/min max. flow rate
- installation in-tank mounting
- suitable for use with mineral and lubrication oils

Technical Specifications

Application	Air breather filter
Port Sizes:	Threaded Connections according to BSP and NPT standard in 1/4" , 3/4" , Fastening by means of flange or screw connection
Flow Rate:	max. 750 l/min
Material	
Element:	Impregnated paper Polyurethane
Seals:	NBR or FPM (-25°C to 100°C)
Connector :	Threaded connection: Aluminium Flange: Galvanized Steel
Cover:	Stainless steel
Basket:	Galvanized Steel

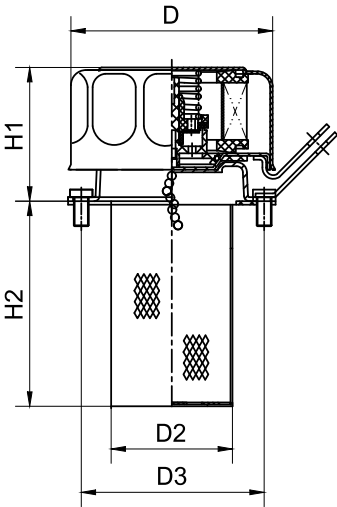
EFB Air breather filter

With threaded connection



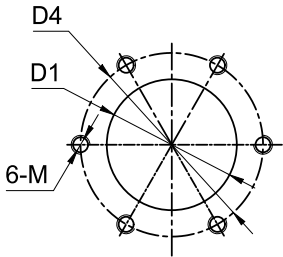
Type	Connection Port (BSP/NPT)	Filtration µm	Size						Flow rate l/min	Valve bar
	inch		mm	mm	mm	mm	mm	mm		
	M		D	H	H1	H2	S			
EFB150BA	¼" BSP	10	47	45	12	7	19	150	-	
EFB150NA	¼" NPT	10	47	45	12	7	19	150	-	
EFB450BA	¼" BSP	40	47	45	12	7	19	300	-	
EFB450NA	¼" NPT	40	47	45	12	7	19	300	-	
EFB176BC	¾" BSP	10	76	66	16	7	35	450	-	
EFB176NC	¾" NPT	10	76	66	16	7	35	450	-	
EFB476BC	¾" BSP	40	76	66	16	7	35	750	-	
EFB476NC	¾" NPT	40	76	66	16	7	35	750	-	
EFB176BCP	¾" BSP	10	76	66	16	7	35	450	0.35	
EFB176NCP	¾" NPT	10	76	66	16	7	35	450	0.35	
EFB476BCP	¾" BSP	40	76	66	16	7	35	750	0.35	
EFB476NCP	¾" NPT	40	76	66	16	7	35	750	0.35	

With flange connection



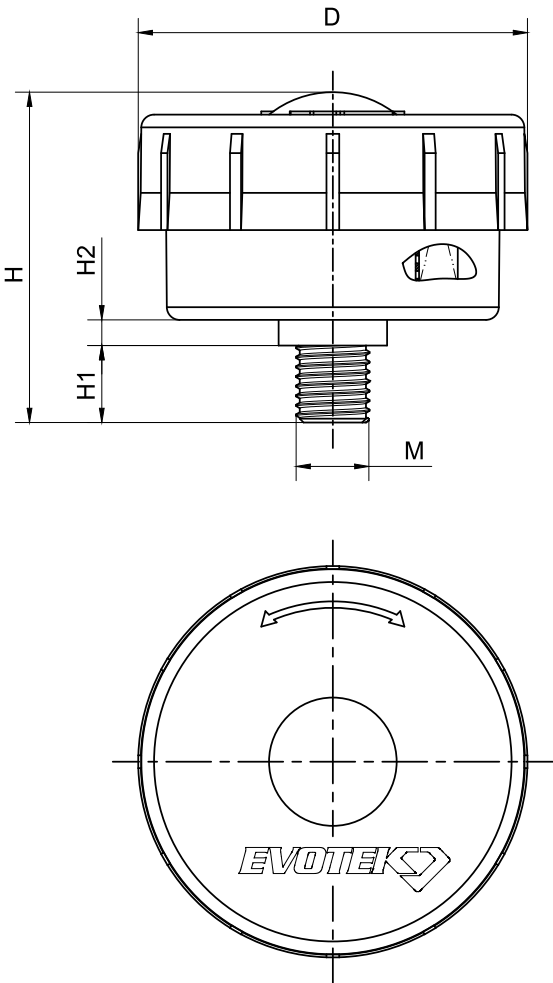
Type										Flow	Valve
	Filtration		Size							rate	
	µm	mm	mm	mm	mm	mm	mm	mm	mm	l/min	
		D	D2	D1	D3	H1	H2	d	M		
EFB150H64	10	47	29	31	52	48	64	41	3-M5	150	-
EFB450H64	40										300
EFB180H78	10	80	50	52			78			450	-
EFB480H78	40		50	52			78			750	-
EFB180H150	10		50	52			150			450	-
EFB480H150	40		50	52			150			750	-
EFB180H100	10		38	40			100			450	-
EFB480H100	40		38	40			100			750	-
EFB180H78P	10		50	52	83	57	78	73	6-M5	450	0.35
EFB480H78P	40		50	52			78			750	0.35
EFB180H150P	10	50	52			150			450	0.35	
EFB480H150P	40	50	52			150			750	0.35	
EFB180H100P	10	38	40			100			450	0.35	
EFB480H100P	40	38	40			100			750	0.35	

For an optional padlock holder, please add letter "L".



EFB Air breather filter

With threaded connection



Connection Port
(BSP/NPT)
inch

Type	Filtration	M	D	H	H1	H2	Flow rate
EFB162MA	10 µm	M12×1.5	62.5	55	12	4	55 l/min
EFB162BA	10 µm	¼" BSP	62.5	55	12	4	55 l/min

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.



EFT008 Series

EVOTEK Air breather filter

Product Description

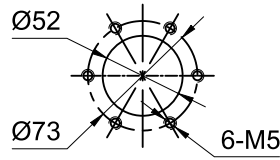
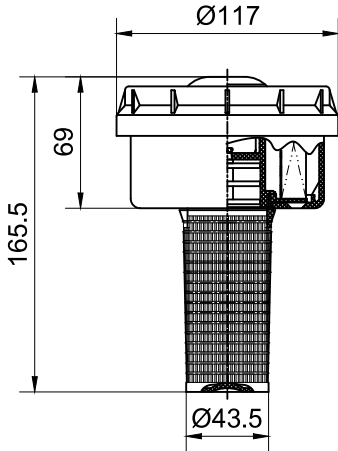
- 1800 l/min max. flow rate
- installation in-tank mounting
- application in heavy duty, industry , injection and agricultural machines

Technical Specifications

Application	Air breather filter
Port Sizes:	Fastening by means of flange or screw connection
Flow Rate:	max. 1800 l/min
Material	
Element:	Impregnated paper
Seals:	NBR or FPM (-25°C to 100°C)
Connector :	Flange: Plastic
Cover:	Plastic
Basket:	Plastic

EFT Air breather filter

Order no.:EFT008-P10B



Extension tube for air breathers

to avoid leakage from the breather due to oil vapours or tilt of the tank. Fits all air breathers with DIN 24557-2 flange connection

Tank connection:

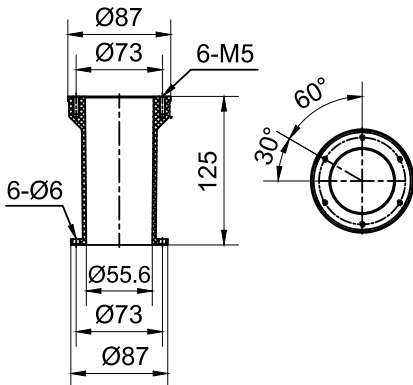
Flange according to DIN 24557-2

Material:

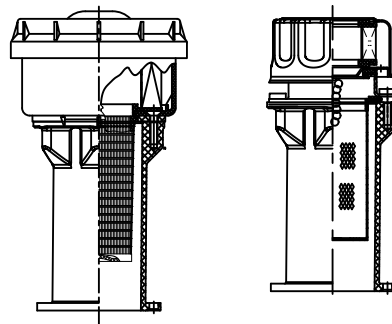
PA66 with NBR seals

Order no.:

EFT008-01



Example with EFT008 & EFB180H78



Anti-splash insert for EFT008

Insert for the housing of EFT008 to avoid vapour leakage in mobile applications

Material:

PA66

Order no.:

EFT008-05





EFB Series

EVOTEK Air breather filter

Product Description

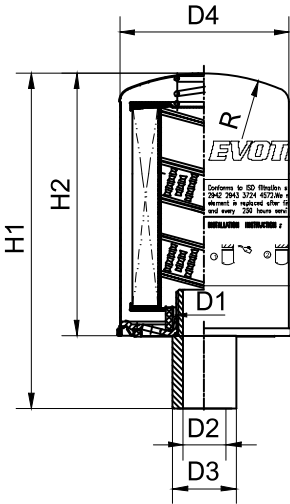
- 1800 l/min max. flow rate
- installation in-tank mounting
- suitable for use with mineral and lubrication oils

Technical Specifications

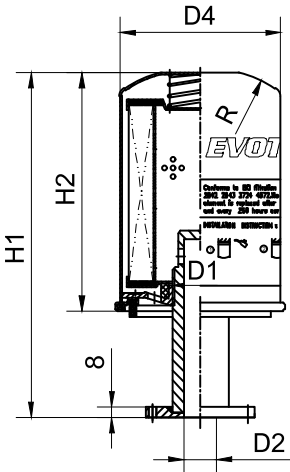
Application	Air breather filter
Port Sizes:	Fastening by means of flange or screw connection or weld
Flow Rate:	max. 1800 l/min
Material	
Element:	Spin-on element
Seals:	NBR or FPM
Connector :	Steel
Spin-on can:	Steel
Temperature range:	-25°C to 100°C

EFB Air breather filter with spin-on element

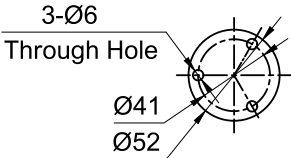
Welding connector



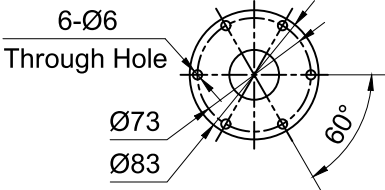
Flange connector



Mounting pattern
EFB001F & EFB002F



EFB003F & EFB004F



Connection Port
(BSP)
inch

	Connector	Spare cartridge	Size							Flow rate
Type			mm	mm	mm	mm	mm	mm	mm	l/min
			D1	D2	D3	D4	H1	H2	R	
EFB001W	Welding	EEPS1B	¾"	18	32	96	200	146	40	1800
EFB002W		EEPS2B	¾"	18	32	96	246	191	40	1800
EFB003W		EEPS3B	1-¼"	32	48	129	236	181	40	2800
EFB004W		EEPS4B	1-¼"	32	48	129	281	226	40	2800
EFB001F	Flange	EEPS1B	¾"	18	-	96	203	146	40	1800
EFB002F		EEPS2B	¾"	18	-	96	249	191	40	1800
EFB003F		EEPS3B	1-¼"	32	-	129	239	181	40	2800
EFB004F		EEPS4B	1-¼"	32	-	129	284	226	40	2800

Order Codes

Filter Assembly Series		A	B	C
EFB		001	W	F10
A Size	Spare cartridge	C Media Material		Filtration absolute in air
001	EEPS1B	P10	Cellulose	3µm
002	EEPS2B	F10	Fibreglass	1.2µm
003	EEPS3B	F20	Fibreglass	2µm
004	EEPS4B			
B Connection Ports				
W	Welding connector			
F	Flange connector			



EFD Series

EVOTEK Air breather filter

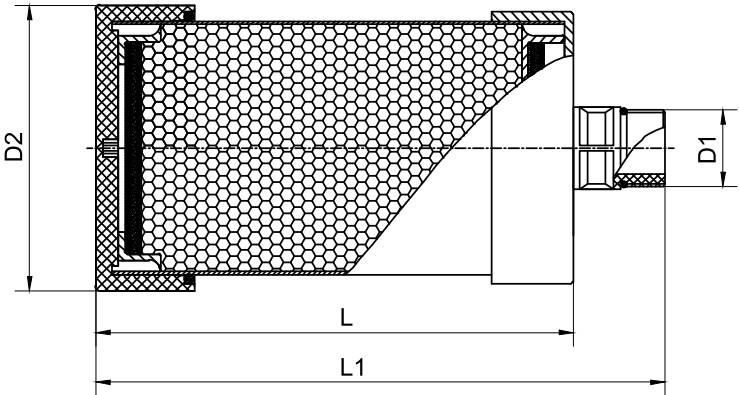
Product Description

- 600 l/min max. flow rate
- installation in-tank mounting
- suitable for use with mineral and lubrication oils

Technical Specifications

Application	Air breather filter
Port Sizes:	Fastening by means of flange or screw connection or weld
Flow Rate:	max. 600 l/min
Material	
Element:	Spin-on element
Seals:	NBR or FPM
Connector :	Steel
Spin-on can:	Steel
Temperature range:	-30°C to 100°C

EFD Air breather filter with spin-on element



Connection Port
(BSP)
inch

Size		mm		Flow rate			
Type	D1	D2	L	L1	Weight of drying weight	water absorption	l/min
EFD002	3/4", 1", 1-1/4"	127	203	244	1.3 kg	0.48 L	600 l/min
EFD003	1-1/2", 2"	127	254	295	1.6 kg	0.62 L	600 l/min

Order Codes

Filter Assembly Series		A	B
EFD		002	BD
A Size	Flow rate	B Connection Ports	
002	600 l/min	BC	BSP 3/4"
003	600 l/min	BD	BSP 1"
		BE	BSP 1-1/4"
		BF	BSP 1-1/2"
		BH	BSP 2"
		NC	NPT 3/4"
		ND	NPT 1"
		NE	NPT 1-1/4"
		NF	NPT 1-1/2"
		NH	NPT 2"

EFD Series

EVOTEK Air breather filter



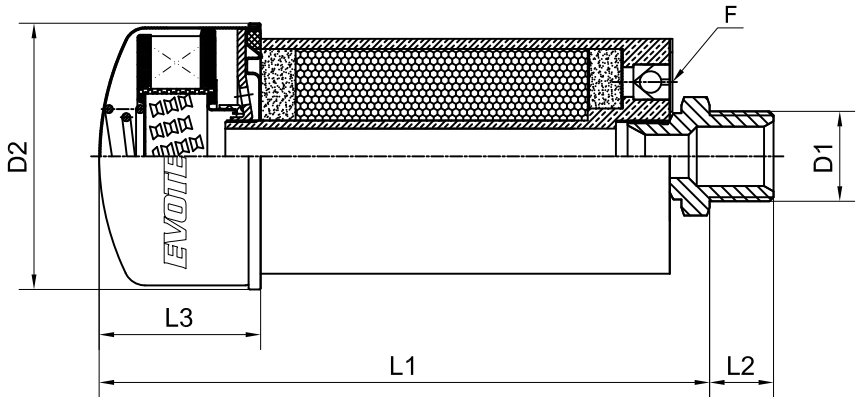
Product Description

- 1500 l/min max. flow rate
- installation in-tank mounting
- suitable for use with mineral and lubrication oils

Technical Specifications

Application	Air breather filter
Port Sizes:	Fastening by means of flange or screw connection or weld
Flow Rate:	max.1500l/min
Material	
Element:	Spin-on element
Seals:	NBR or FPM
Connector :	Steel
Spin-on can:	Steel
Temperature range:	-30°C to 100°C

EFD Air breather filter with spin-on element



Connection Port
(BSP)
inch

Type	D1	D2	L1	L2	L3	Valve	Weight of drying weight	Max. water absorptiong	air filter	Filtration	filtration area cm²	Flow rate l/min
EFD004	¾", 1"	98	220	> 20	60	0.01	450g	172	EEPS0	3 µm	752	700
EFD005	1-¼"	130	256	> 25	100	0.01	750g	288	EEPS01	3 µm	2095	1500
EFD005	1-¼"	130	367	> 25	100	0.01	1500g	576	EEPS01	3 µm	2095	1500

Order Codes

Filter Assembly Series	A	B	C
------------------------	---	---	---

EFD 004 BD 00

A Size	Flow rate
004	700 l/min
005	1500 l/min
006	1500 l/min

B Connection	Ports
BC	BSP ¾"
BD	BSP 1"
BE	BSP 1-¼"
NC	NPT ¾"
ND	NPT 1"
NE	NPT 1-¼"



EAVL-L Series

EVOTEK level switches

Product Description

- Can be dismounted without removing the tank cap
- Direct mounting on tank lid
- Level control in the tank
- Suitable with many different fluids
- With any length up to 1000mm possible

Technical Specifications

Application

Electromagnetic level switches

Port Sizes:

Fastening by means of flange or screw connection

Material

Flange/Threaded body:

Aluminium

Seals:

NBR or FPM or EPDM

Tube:

Stainless Steel

Float:

Stainless Steel

Temperature range:

-25°C to 110°C

Instrument plug:

DIN43650A

Protection:

IP65

Switching current:

max. 1.5 A

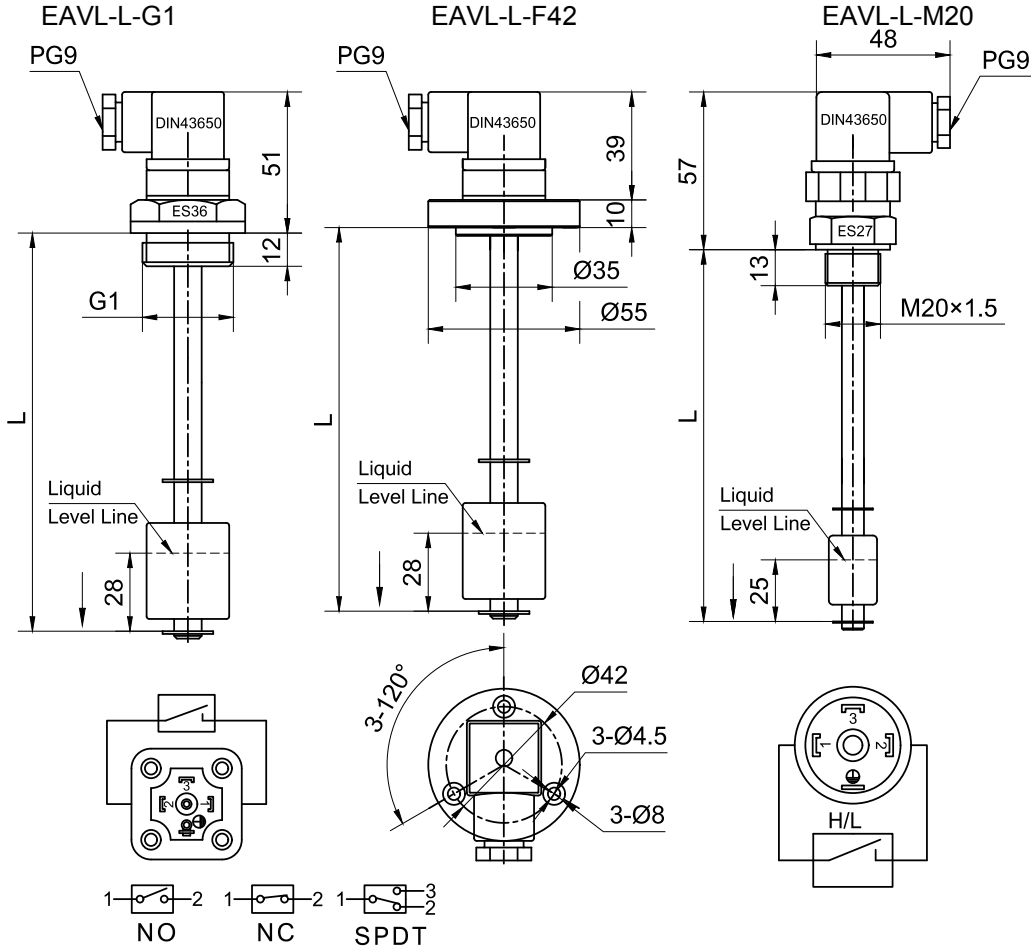
Switching voltage:

max. 220 V AC / 50 V DC

Switching power:

80 W

EAVL-L Electromagnetic level switches



Order Codes

Series	-	A	-	B	C	D
--------	---	---	---	---	---	---

EAVL-L - G1 - 500 B NO

A Size Spare cartridge

G1 G 1" thread connection

F42 3 holes flange

M20 M20 thread connection

C Seal

B NBR

V FPM

E EPDM

B Length(L)

150

200

250

300

400

500

600

800

1000

D Level switch

NO Normally opened in presence of fluid

NC Normally closed in presence of fluid

SPDT Exchange



EAVL-D Series

EVOTEK level switches

Product Description

- Can be dismantled without removing the tank cap
- Direct mounting on tank lid
- Level control in the tank
- Suitable with many different fluids
- With any length up to 1000mm possible

Technical Specifications

Application

Electromagnetic level switches

Port Sizes:

Fastening by means of flange or screw connection

Material

Flange/Threaded body:

Aluminium

Seals:

NBR or FPM or EPDM

Tube:

Stainless Steel

Float:

Stainless Steel

Temperature range:

-25°C to 110°C

Instrument plug:

DIN43650A

Protection:

IP65

Switching current:

max. 1.5 A

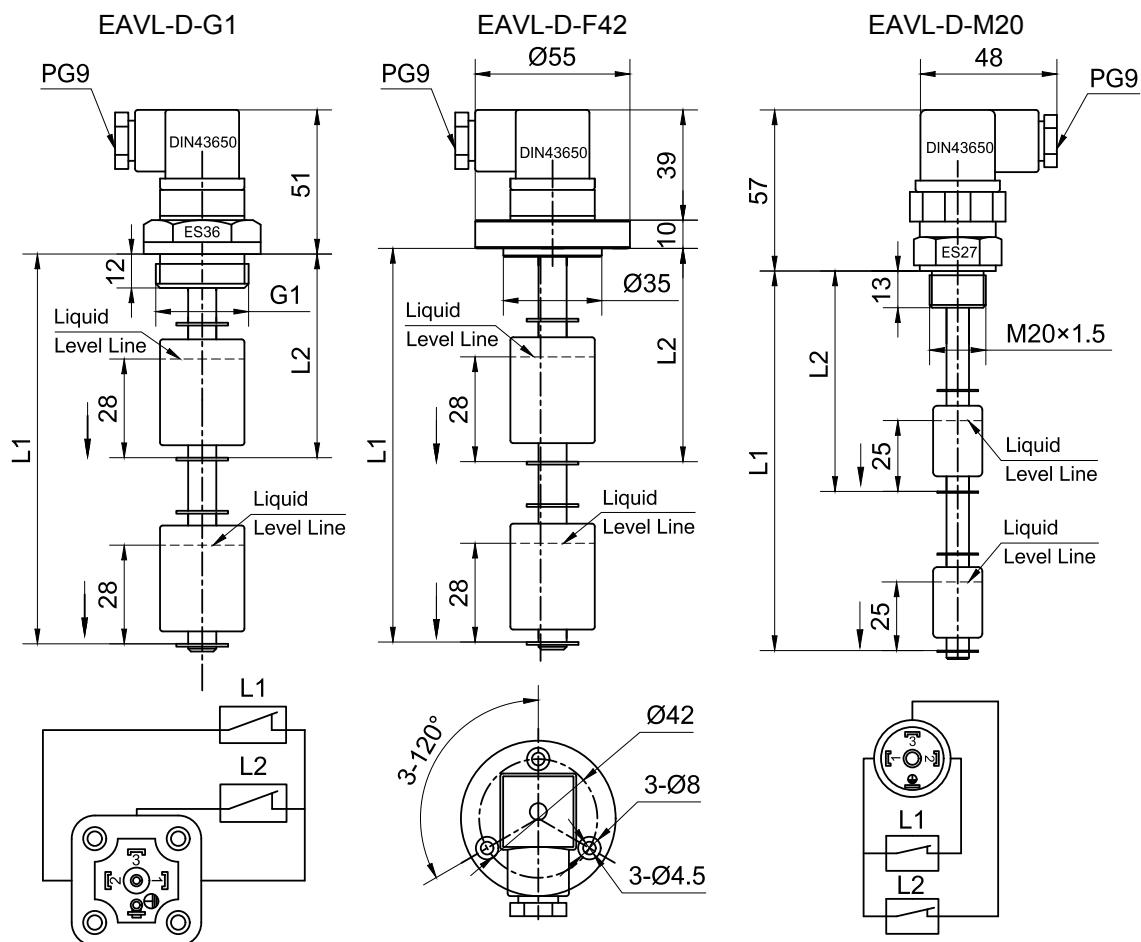
Switching voltage:

max. 220 V AC / 50 V DC

Switching power:

80 W

EAVL-D Electromagnetic level switches



Order Codes

Series - A - B - C D E F

EAVL-D - G1 - 500 - 350 B NO NO

A Size Spare cartridge

G1 G 1" thread connection

F42 3 holes flange

M20 M20 thread connection

B Length (L1)

150
200
250
300
400
500
600
800
1000

C Length (L2)

According to request

D Seal

B NBR
V FPM
E EPDM

E Lower Level switch

NO Normally opened in presence of fluid
NC Normally closed in presence of fluid
SPDT Exchange

F Higher Level switch

NO Normally opened in presence of fluid
NC Normally closed in presence of fluid
SPDT Exchange



EAVL-H Series

EVOTEK level switches

Product Description

- Can be dismantled without removing the tank cap
- Direct mounting on tank lid
- Level control in the tank
- Suitable with many different fluids
- With any length up to 1000mm possible

Technical Specifications

Application

Electromagnetic level switches

Port Sizes:

Fastening by means of flange or screw connection

Material

Flange/Threaded body:

Aluminium

Seals:

NBR or FPM or EPDM

Tube:

Stainless Steel

Float:

Stainless Steel

Temperature range:

-25°C to 110°C

Instrument plug:

DIN43650A

Protection:

IP65

Switching current:

max. 1.5 A

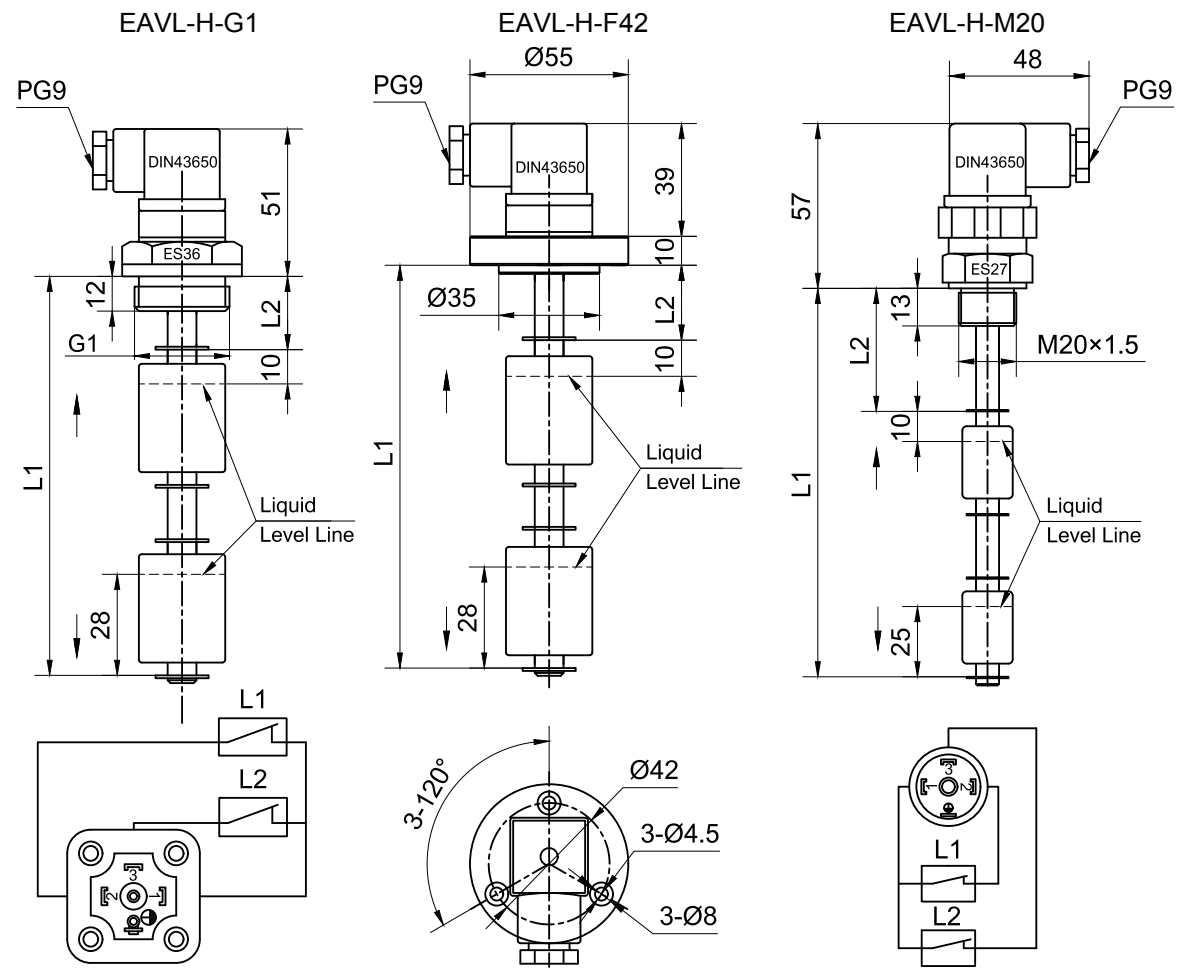
Switching voltage:

max. 220 V AC / 50 V DC

Switching power:

80 W

EAVL-H Electromagnetic level switches



Order Codes

Series - A - B - C D E F

EAVL-H - G1 - 500 - 350 B NO NO

A Size Spare cartridge

G1 G 1" thread connection

F42 3 holes flange

M20 M20 thread connection

B Length (L1)

150

200

250

300

400

500

600

800

1000

C Length (L2)

According to request

D Seal

B NBR

V FPM

E EPDM

E Lower Level switch

NO Normally opened in presence of fluid

NC Normally closed in presence of fluid

SPDT Exchange

F Higher Level switch

NO Normally opened in presence of fluid

NC Normally closed in presence of fluid

SPDT Exchange



EAVL-T Series

EVOTEK level switches with
thermo switch

Product Description

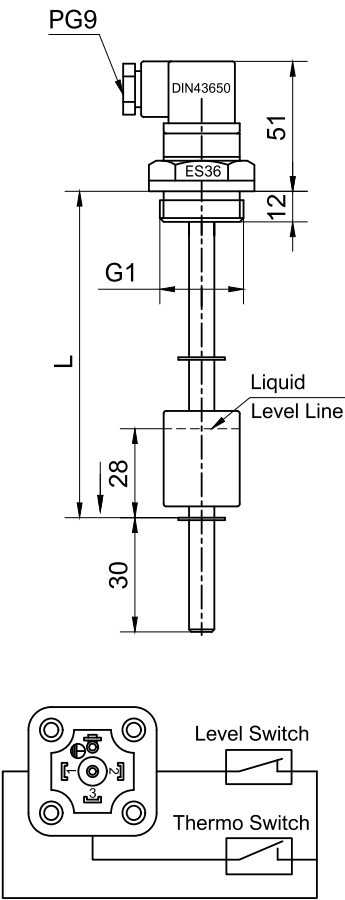
- Can be dismounted without removing the tank cap
- Direct mounting on tank lid
- Level and temperature control in the tank
- Suitable with many different fluids
- With any length up to 1000mm possible

Technical Specifications

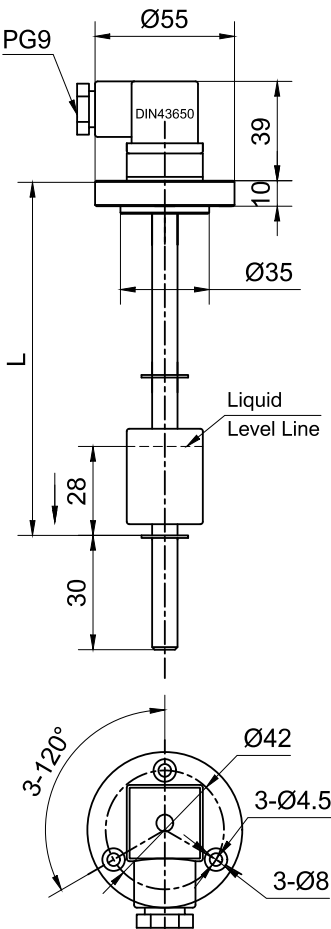
Application	Electromagnetic level switches
Port Sizes:	Fastening by means of flange or screw connection
Material	
Flange/Threaded body:	Aluminium
Seals:	NBR or FPM or EPDM
Tube:	Stainless Steel
Float:	Stainless Steel
Temperature range:	-25°C to 110°C
Instrument plug:	DIN43650A
Degree of protection:	IP65
Switching current:	Level: max. 1.3 A Temperature: 2 A
Switching voltage:	Level: max. 220 V AC / 50 V DC Temperature: max. 220 V AC / 50 V DC
Switching power:	80 W
Temperature switching point:	60/70/80 ° C
Temperature accuracy:	± 10%
Contact functions:	Normally closed or normally open

EAVL-T Level switches with thermo switch

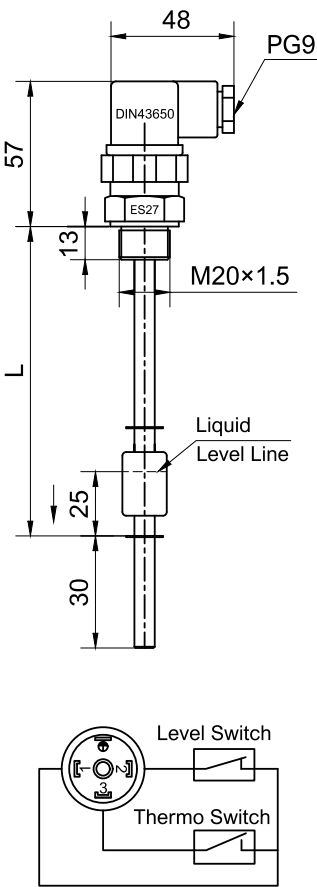
EAVL-T-G1



EAVL-T-F42



EAVL-T-M20



Order Codes

Series	-	A	-	B	C	D	E	F
EAVL-T	-	G1	-	500	B	NO	T60	NO
A Size	Spare cartridge				C Seal			
G1	G 1" thread connection				B	NBR		
F42	3 holes flange				V	FPM		
M20	M20 thread connection				E	EPDM		
B Length(L)					D Level switch Contact function			
150					NO	Normally opened in presence of fluid		
200					NC	Normally closed in presence of fluid		
250								
300					E Temperature switching point			
400					T60	60°C		
500					T70	70°C		
600					T80	80°C		
800								
1000					F Thermo switch Contact function			
					NO	Normally Open at set temperature		
					NC	Normally Closed at set temperature		



EAVE Series

EVOTEK level switches with thermo switch

Product Description

- Can be dismounted without removing the tank cap
- Direct mounting on tank lid
- Level and temperature control in the tank
- Suitable with many different fluids
- With any length up to 1000mm possible

Technical Specifications

Application

Electromagnetic level switches

Port Sizes:

Fastening by means of flange or screw connection

Material

Flange/Threaded body:

Aluminium

Seals:

NBR or FPM or EPDM

Tube:

Stainless Steel

Float:

Stainless Steel

Temperature range:

-25°C to 110°C

Instrument plug:

DIN43650A

Degree of protection:

IP65

Switching current:

4 ~ 20mA

Switching voltage:

24VDC

Switching power:

80W

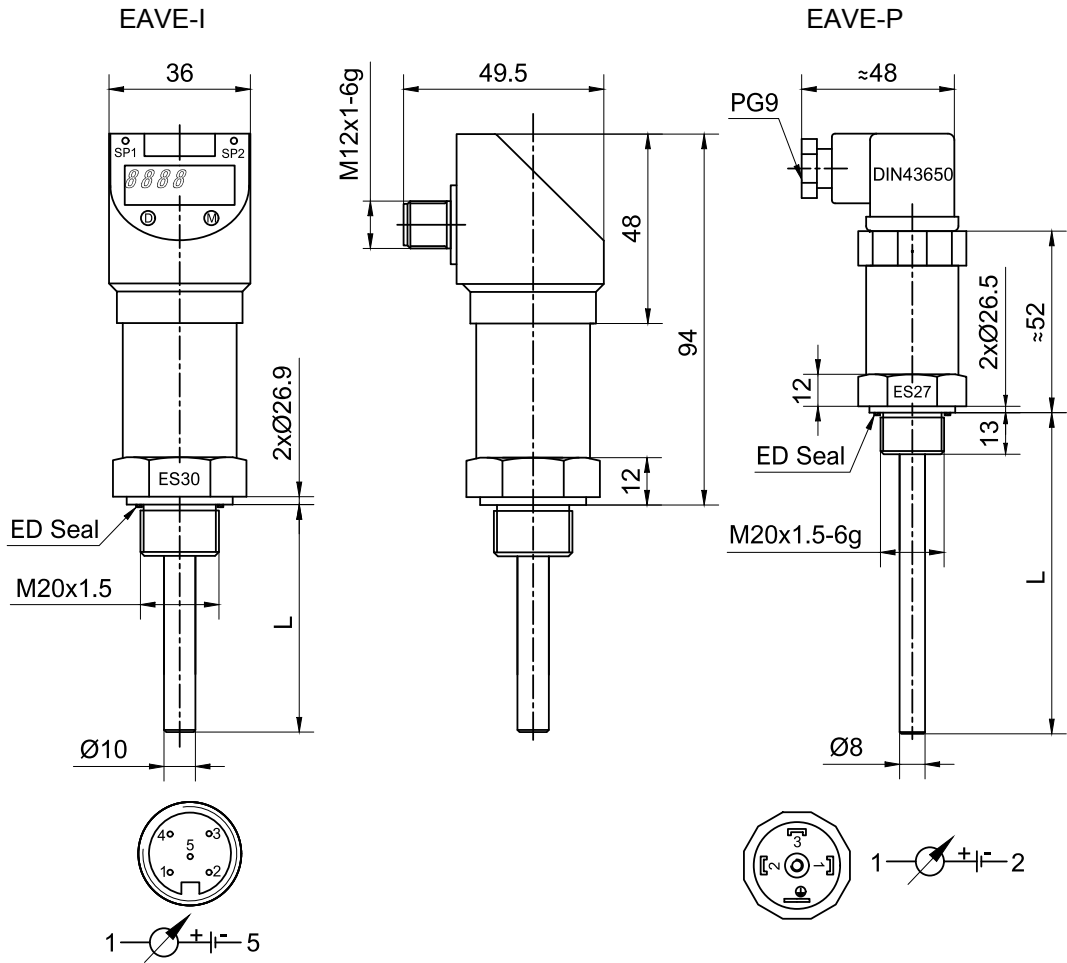
Temperature switching point:

-100° C ~ 500° C

Measurement accuracy:

± 0.5% FS

EAVE Level switches with thermo switch



Order Codes

Series	-	A	-	B	C	D
EAVE	-	I-M20	-	500	B	-25 ~ 100

A Size Spare cartridge

I-M20	M20 thread connection
P-M20	M20 thread connection

B Length (L)

According to request

200
250
300
400
500

C Seal

B	NBR
V	FPM

E Temperature switching point

-25 ~ 100 -25°C ~ 100°C



EAVT-I Series

EVOTEK Level gauge

Product Description

- monitor the level of operating fluid
- Visual thermometer with ° C and ° F scale
- the fluid level can be easily seen on the outside of the tank
- to be mounted directly on to the operating fluid tank
- application in Machine tools, system engineering, tanks for hydraulic, lubricating and cutting oils, and gearboxes.

Technical Specifications

Application

Port Sizes:

Mounting position:

Notes:

Material

Housing frame:

Seals:

Lens:

Connectors:

Temperature range:

Screw tightening torque:

Nominal pressure:

Operating fluids:

Level gauge with optional internal thermometer

Mounted using two banjo bolts

Vertically on the tank wall

The upper viscosity limit is 2,000 mm²/s.

Aluminium

NBR or FPM

Polyamide

Polyamide

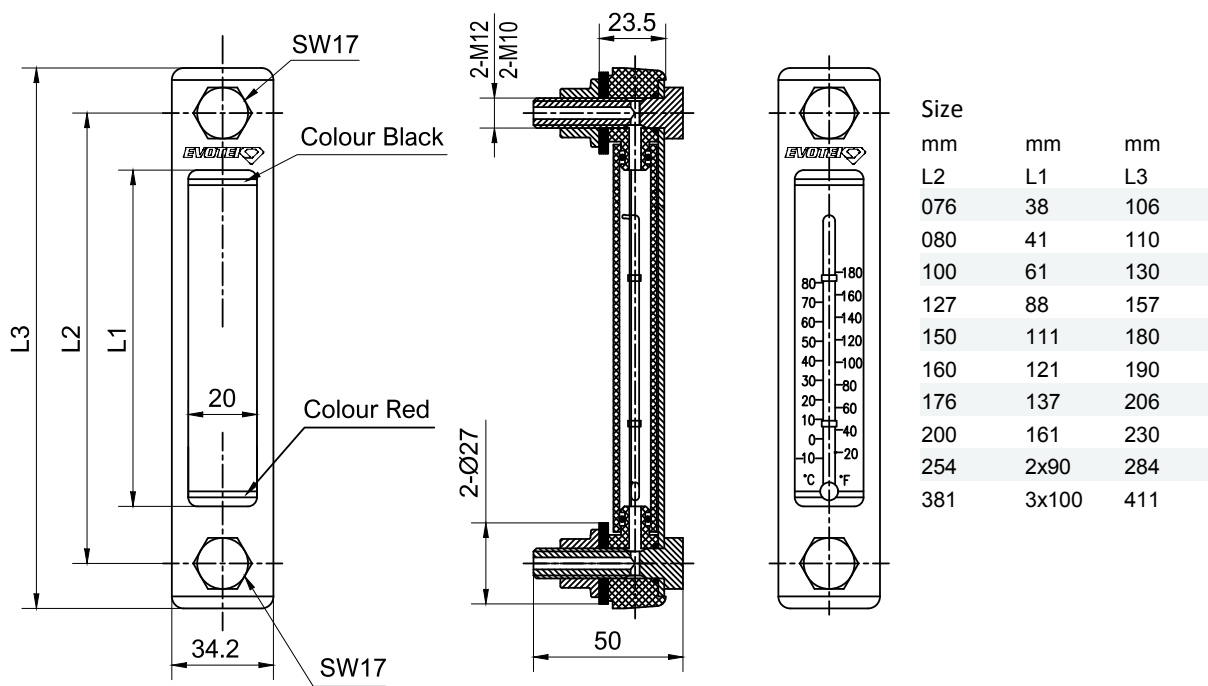
-20°C to 80°C

8 ~ 10 Nm

max. 0.5 bar

Mineral oil to DIN 51524 Part 1 and 2, water-oil emulsions and synthetic fluids, such as hydraulic fluids based on phosphate ester. (other fluids on request)

EAVT-I Level gauge



Order Codes

Series	-	A	B	C	D	E
--------	---	---	---	---	---	---

EAVT - I 076 B M10 Z

A function

no additional function
I internal thermometer

B Length (L2)

076
080
100
127
150
160
176
200
254
381

C Seal

B	NBR
V	FPM

D Installation conditions (Banjo bolt thread)

M10
M12

E Fastening bolts and nuts material

Z	Zinc Plated
S	Stainless Steel



EAVT-G Series

EVOTEK Level gauge with Temperature gauge

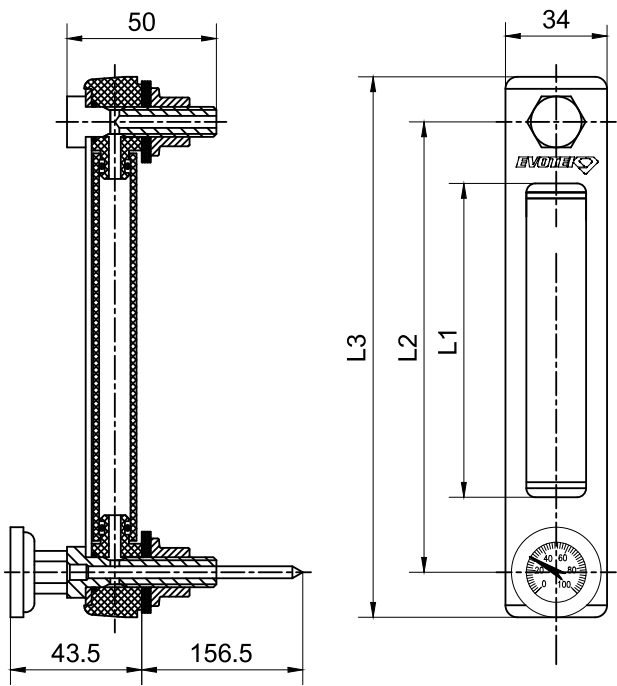
Product Description

- monitor the level of operating fluid
- Measures the temperature of the operating fluid in the tank in °C
- the fluid level can be easily seen on the outside of the tank
- to be mounted directly on to the operating fluid tank
- application in Machine tools, system engineering, tanks for hydraulic, lubricating and cutting oils, and gearboxes.

Technical Specifications

Application	Level gauge with temperature gauge
Port Sizes:	Mounted using two banjo bolts
Mounting position:	Vertically on the tank wall
Notes:	The upper viscosity limit is 2,000 mm ² /s.
Material	
Housing frame:	Aluminium
Seals:	NBR or FPM
Lens:	Polyamide
Connectors:	Polyamide
Temperature range:	-20°C to 80°C
Screw tightening torque:	8 ~ 10 Nm
Nominal pressure:	max. 0.5 bar
Operating fluids:	Mineral oil to DIN 51524 Part 1 and 2, water-oil emulsions and synthetic fluids, such as hydraulic fluids based on phosphate ester. (other fluids on request)

EAVT-G Level gauge with temperature gauge



Size		
mm	mm	mm
L2	L1	L3
076	38	106
080	41	110
100	61	130
127	88	157
150	111	180
160	121	190
176	137	206
200	161	230
254	2x90	284
381	3x100	411

Order Codes

Series	A	B	C	D
EAVT-G	076	B	M12	Z

A Length (L2)

076
080
100
127
150
160
176
200
254
381

B Seal

B	NBR
V	FPM

C Installation conditions (Banjo bolt thread)

M12

D Fastening bolts and nuts material

Z	Zinc Plated
S	Stainless Steel



EAVT-S Series

EVOTEK Level gauge with thermo switch

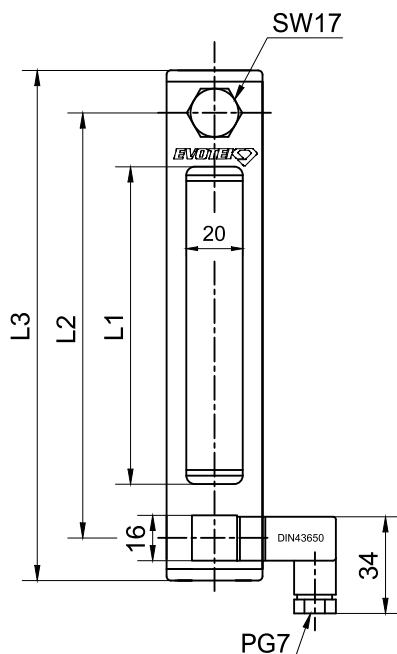
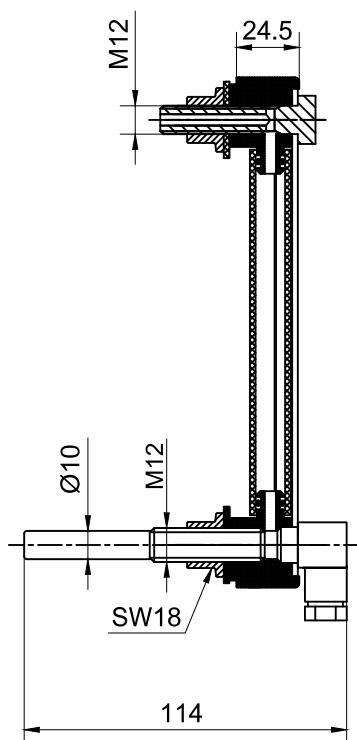
Product Description

- Monitor the level of operating fluid
- Three nominal temperatures possible: 60 °C, 70 °C and 80 °C
- to be mounted directly on to the operating fluid tank
- application in Machine tools, system engineering, tanks for hydraulic, lubricating and cutting oils, and gearboxes.

Technical Specifications

Application	Level gauge with thermo switch
Port Sizes:	Mounted using two banjo bolts
Mounting position:	Vertically on the tank wall (connection plug at bottom of the tank)
Notes:	The upper viscosity limit is 2,000 mm ² /s.
Material	
Housing frame:	Aluminium
Seals:	NBR or FPM
Lens:	Polyamide
Connectors:	Polyamide
Temperature range:	-20°C to 80°C
Instrument plug:	DIN43650
Degree of protection:	IP65
Switching current:	2A
Switching voltage:	250 VAC
Screw tightening torque:	8 ~ 10 Nm
Nominal pressure:	max. 0.5 bar
Operating fluids:	Mineral oil to DIN 51524 Part 1 and 2, water-oil emulsions and synthetic fluids, such as hydraulic fluids based on phosphate ester. (other fluids on request)

EAVT-S Level gauge with Thermo switch

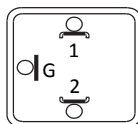


Size	mm	mm	mm
L2	L1	L3	
076	38	106	
080	41	110	
100	61	130	
127	88	157	
150	111	180	
160	121	190	
176	137	206	
200	161	230	
254	2x90	284	
381	3x100	411	

Order Codes

Series	A	B	C	D	E	F
EAVT-S	076	B	M12	Z	T60	NO

Thermo Switch Connection



Connector: DIN43650
Wiring: 1-2 (NO&NC)
Voltage: 250 VAC
Current: 2 A

A Length (L2)

076
080
100
127
150
160
176
200
254
381

B Seal

B	NBR
V	FPM

C Installation conditions (Banjo bolt thread)

M12

D Fastening bolts and nuts material

Z	Zinc Plated
S	Stainless Steel

E Temperature switching point

T60	60°C
T70	70°C
T80	80°C

F Thermo switch Contact function

NO	Normally opened
NC	Normally closed



EAVT-L Series

EVOTEK Level Sensor

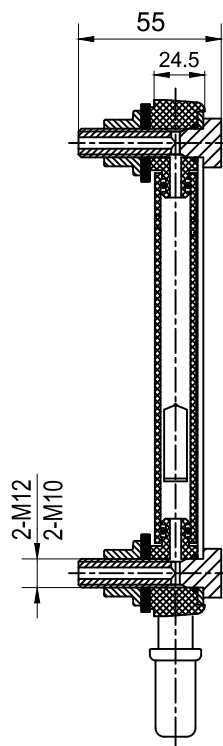
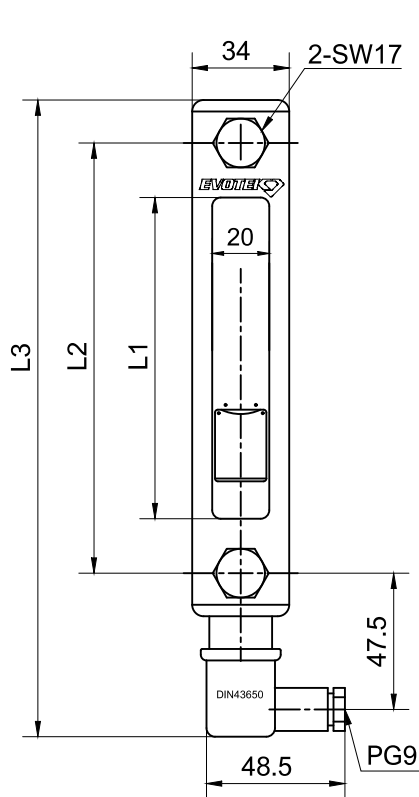
Product Description

- Monitor the fluid level via an electrical signal. This switch signal can be used for a warning or to control the level.
- Better visual fluid level monitoring possible with yellow float
- to be mounted directly on to the operating fluid tank
- application in Machine tools, system engineering, tanks for hydraulic, lubricating and cutting oils, and gearboxes.

Technical Specifications

Application	Level Sensor
Port Sizes:	Mounted using two banjo bolts
Mounting position:	Vertically on the tank wall (connection plug at bottom of the tank)
Notes:	The upper viscosity limit is 2,000 mm ² /s.
Material	
Housing frame:	Aluminium
Seals:	NBR or FPM
Lens:	Polyamide
Connectors:	Polyamide
Temperature range:	-20°C to 80°C
Instrument plug:	DIN43650A
Degree of protection:	IP65
Switching current:	0.5A
Switching voltage:	12 - 50 V AC/DC
Screw tightening torque:	8 ~ 10 Nm
Nominal pressure:	max. 0.5 bar
Operating fluids:	Mineral oil to DIN 51524 Part 1 and 2, water-oil emulsions and synthetic fluids, such as hydraulic fluids based on phosphate ester. (other fluids on request)

EAVT-L Level Sensor



Size		
mm	mm	mm
L2	L1	L3
127	88	199
150	111	222
176	137	248
200	161	272
254	2x90	326
381	3x100	453

Level Sensor Connection



Connector: DIN43650
Wiring: 1-2 (NO&NC)
Voltage: 12 - 50 V AC/DC
Current: 0.5A

Order Codes

Series	A	B	C	D	E
EAVT-L	127	B	M10	Z	NO

A Length (L2)

127
150
176
200
254
381

B Seal

B	NBR
V	FPM

C Installation conditions (Banjo bolt thread)

M10
M12

D Fastening bolts and nuts material

Z	Zinc Plated
S	Stainless Steel

E Level switch Contact function

NO	Normally opened
NC	Normally closed

EAVT-LG Series

EVOTEK Level Sensor with Temperature gauge



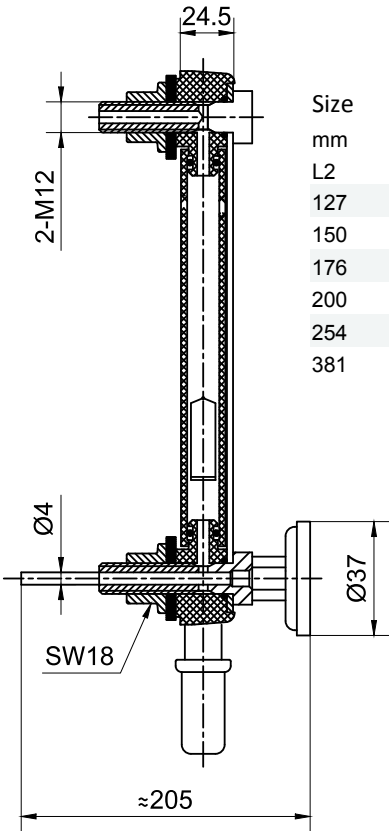
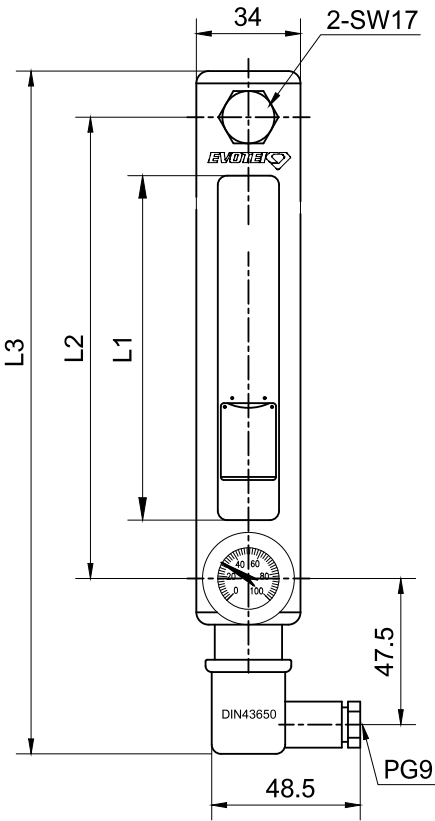
Product Description

- Measures the temperature of the operating fluid in the tank in °C
- Monitor the fluid level via an electrical signal. This switch signal can be used for a warning or to control the level.
- Better visual fluid level monitoring possible with yellow float
- to be mounted directly on to the operating fluid tank
- application in Machine tools, system engineering, tanks for hydraulic, lubricating and cutting oils, and gearboxes.

Technical Specifications

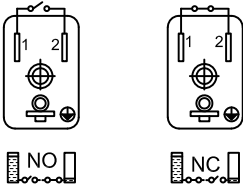
Application	Level Sensor with temperature gauge
Port Sizes:	Mounted using two banjo bolts
Mounting position:	Vertically on the tank wall (connection plug at bottom of the tank)
Notes:	The upper viscosity limit is 2,000 mm ² /s.
Material	
Housing frame:	Aluminium
Seals:	NBR or FPM
Lens:	Polyamide
Connectors:	Polyamide
Temperature range:	-20°C to 80°C
Instrument plug:	DIN43650A
Degree of protection:	IP65
Switching current:	0.5A
Switching voltage:	12 - 50 V AC/DC
Screw tightening torque:	8 ~ 10 Nm
Nominal pressure:	max. 0.5 bar
Operating fluids:	Mineral oil to DIN 51524 Part 1 and 2, water-oil emulsions and synthetic fluids, such as hydraulic fluids based on phosphate ester. (other fluids on request)

EAVT-LG Level Sensor with temperature gauge



Size		
mm	mm	mm
L2	L1	L3
127	88	199
150	111	222
176	137	248
200	161	272
254	2x90	326
381	3x100	453

Level Sensor Connection



Connector: DIN43650
Wiring: 1-2 (NO&NC)
Voltage: 12 - 50 V AC/DC
Current: 0.5A

Order Codes

Series	A	B	C	D	E
EAVT-LG	127	B	M12	Z	NO

A Length(L2)	
127	
150	
176	
200	
254	
381	
B Seal	
B	NBR
V	FPM

C Installation conditions (Banjo bolt thread)	
M12	
D Fastening bolts and nuts material	
Z	Zinc Plated
S	Stainless Steel
E Level switch Contact function	
NO	Normally opened
NC	Normally closed

EAVT-LS Series

EVOTEK Level Sensor with thermo switch



Product Description

- Monitor the fluid level via an electrical signal. This switch signal can be used for a warning or to control the level.
- Better visual fluid level monitoring possible with yellow float
- Three nominal temperatures possible: 60 °C, 70 °C and 80 °C.
- to be mounted directly on to the operating fluid tank
- application in Machine tools, system engineering, tanks for hydraulic, lubricating and cutting oils, and gearboxes.

Technical Specifications

Application	Level Sensor with thermo switch
Port Sizes:	Mounted using two banjo bolts
Mounting position:	Vertically on the tank wall (connection plug at bottom of the tank)
Notes:	The upper viscosity limit is 2,000 mm ² /s.
Material	
Housing frame:	Aluminium
Seals:	NBR or FPM
Lens:	Polyamide
Connectors:	Polyamide
Temperature range:	-20°C to 80°C
Instrument plug:	DIN43650A
Degree of protection:	IP65
Switching current:	Level Sensor: 0.5A Thermo switch: 2A
Switching voltage:	Level Sensor: 12 - 50 V AC/DC Thermo switch: 250 VAC
Screw tightening torque:	8 ~ 10 Nm
Nominal pressure:	max. 0.5 bar
Operating fluids:	Mineral oil to DIN 51524 Part 1 and 2, water-oil emulsions and synthetic fluids, such as hydraulic fluids based on phosphate ester. (other fluids on request)

EAVT-LS Level Sensor with thermo switch

