NEW

INSTRUMENTATION PRODUCTS

Float level switches, Level Gauges, Pressure Switches, Thermostatic Plugs, Pressure gauges, Flow Meters

PASSION TO PERFORM

MPFILTRI®

Technical Information

Seal Material to suit different fluids

	Alkaline	Brake Fluid	Ammo-nia	Water	Air	Mineral Oil	Motor Oil	Diesel fuel	Petrol	Hydro-carbons	Haloge-nerated Solvent	Ethlene Glycol	Silicone	Max Ope-rating temp
Nitrile					√	√	√	√				√	√	100°C
Viton				√	√	√	√	√	√	√	√		√	120°C
EPDM	√	√	√	√	√							√	√	120°C
Neopro-ene				√	√							√	√	80°C

Dimensions

All dimensions are in mm unless otherwise stated.

Table of contents

Technical data

RL Series

Rapid Level Series Level Switches

Single float level switch
Resistant to contaminants
Variable point options
SPDT contacts

Features:

- The required length can be obtained simply by cutting the steel rod, (this can be achieved using an ordinary pipe cutter). The switching point can also be varied by using a float with a through hole allowing the required liquid control point to be modified whenever necessary.
- Can be used for dirty liquids, water, petroleum, cutting oils. Tolerates the presence of metal and ferrous particles, since the float does not hold a magnet and is integral with the rod.
- One float can operate just one Reed (min. or max. level), or two Reeds (min. and empty and extra max. level)
- Enhanced safety with the electrical part completely separate in the tank side and perfectly sealed by ultrasonic welding.
- Nylon-glass body is designed for strength and is highly resistant to chemicals. Ideal as an insulating container for the Reed contacts.
- Rods suitable for control of a max. measurement of 500 or 1000mm.
- Rod length cutting instructions supplied with each product
- The control rod can commutate the signal of 1 or 2 Reeds in sequence (with single or exchange contact).

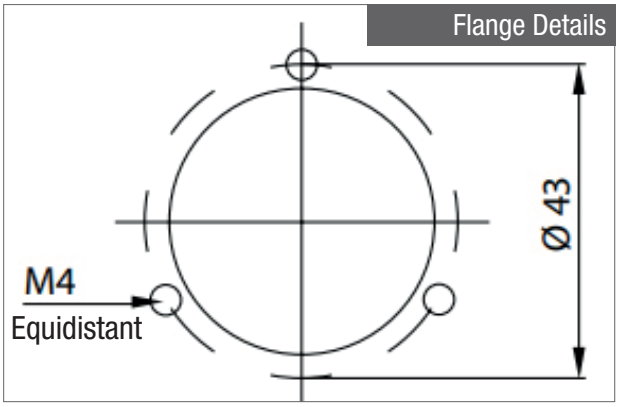
Maximum Working Pressure
10Bar.

Connections
Flange diameter 55 O/D

Operating Temperature
-20 to +80°C - Standard Delrin Float
-20 to +120°C - Stainless steel float (Optional)

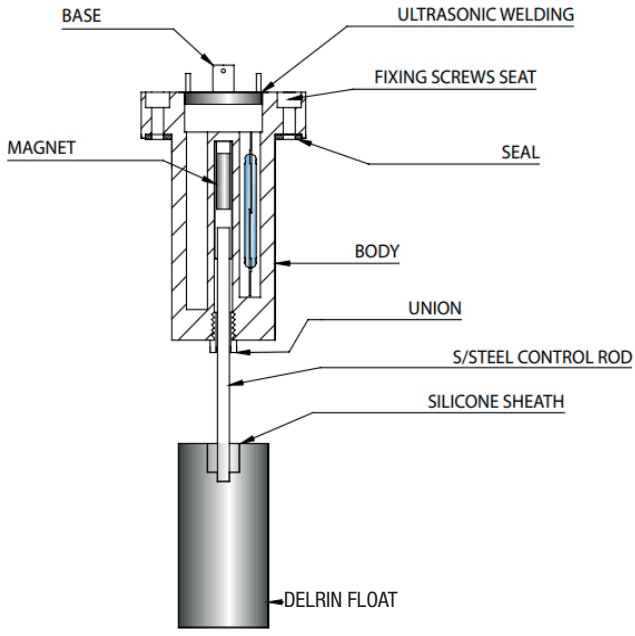
Output
ON/OFF

Flange Details



Specification
Glass filled nylon
Stainless steel rod
IP65 rating
Connector to DIN 43650
Delrin float with silicone security joint
LED Option available

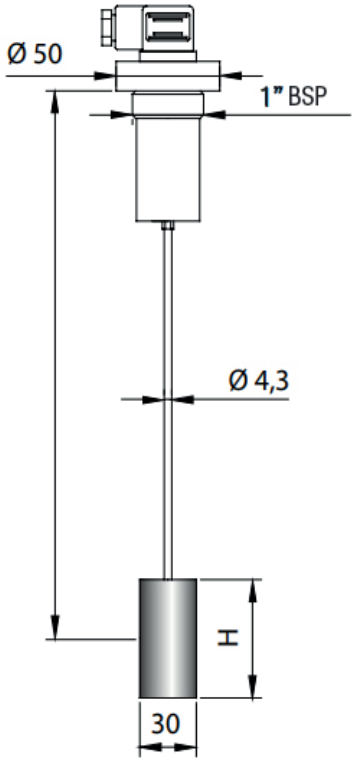
Fluid Compatibility
Mineral Oils
Synthetic Oils
Phosphate Ethers
Water-based Emulsions
Water Glycols
* For other fluids, please consult MP Filtri UK Ltd



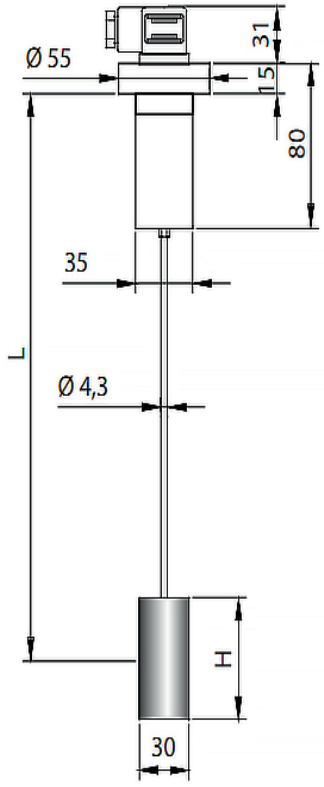
On request the float can be supplied with through hole and therefore be positioned in the required position without having to cut the rod (which can therefore be as long as the height of the tank).

If necessary, the liquid control point can be modfied as required by simply moving the f!oat. Available on request with AISI 316 stop

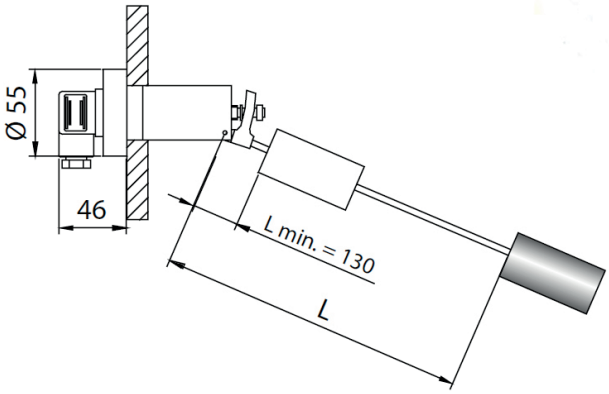
RL-G1 1" BSP

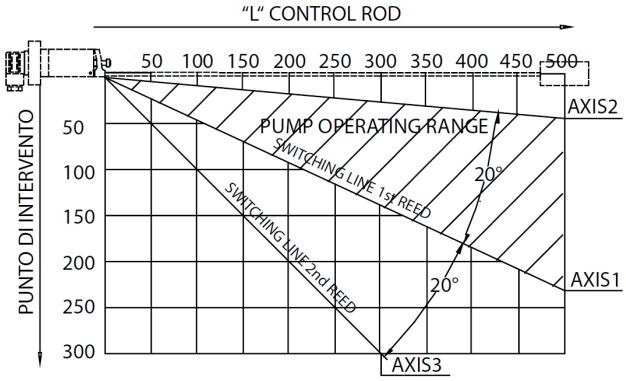


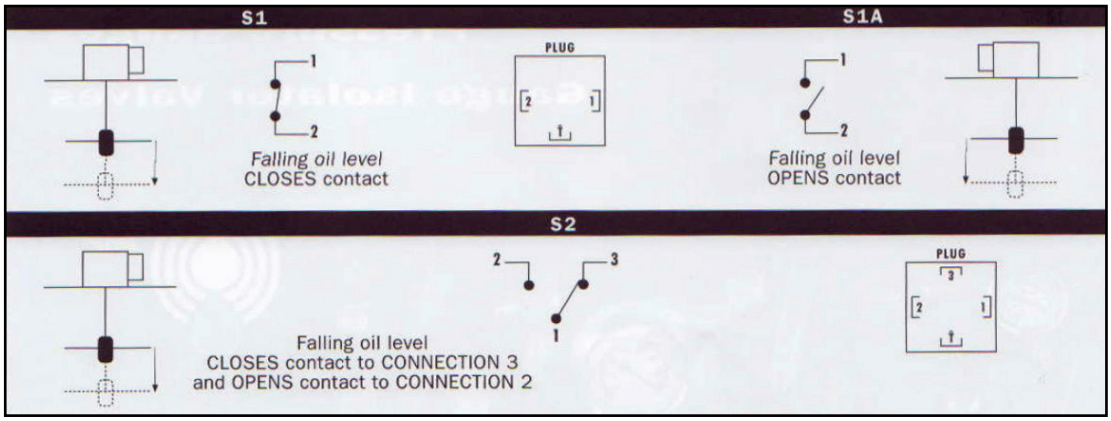
RL-G1 1" F3



RL-G1 L







Technical data

RL-G2 Series

Double Float Rapid Level Float Switch Series

Two control points
Resistant to contaminants
Variable points
SPST or SPDT contacts

Features:

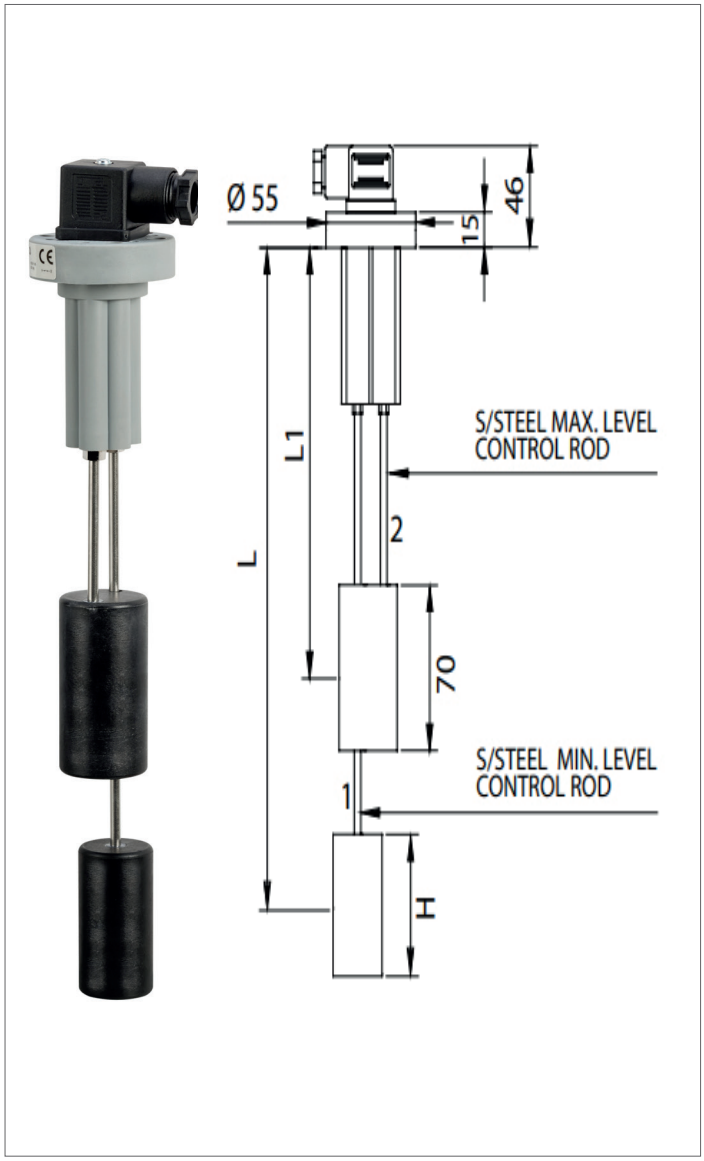
- The RL/G2 range has a head which holds two control rods and two floats.
- Each control rod can communicate the signal of 1 or 2 reeds, either exchange or single signal. Therefore this double roded control switch can communicate up to 4 signals
- Flexibility to choose the most suitable system for each rod.
- In case of excessively dense liquids the two floats can be supplied independently from each other to prevent rod 1 from undergoing friction with the float of rod 2.
- The minimum distance between the two points to be controlled is 100mm.

Maximum Working Pressure
10Bar.

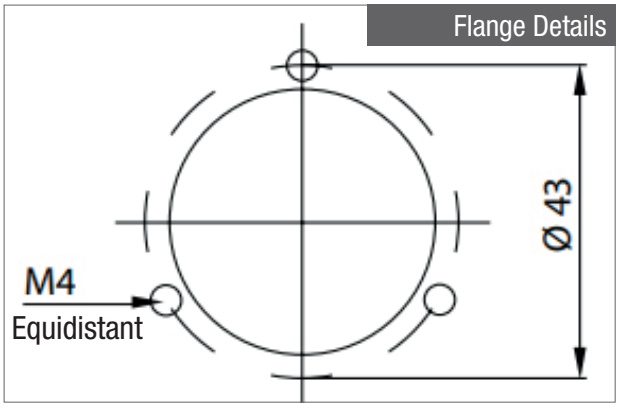
Connections
Flange diameter 55, 11/4" BSP Thread

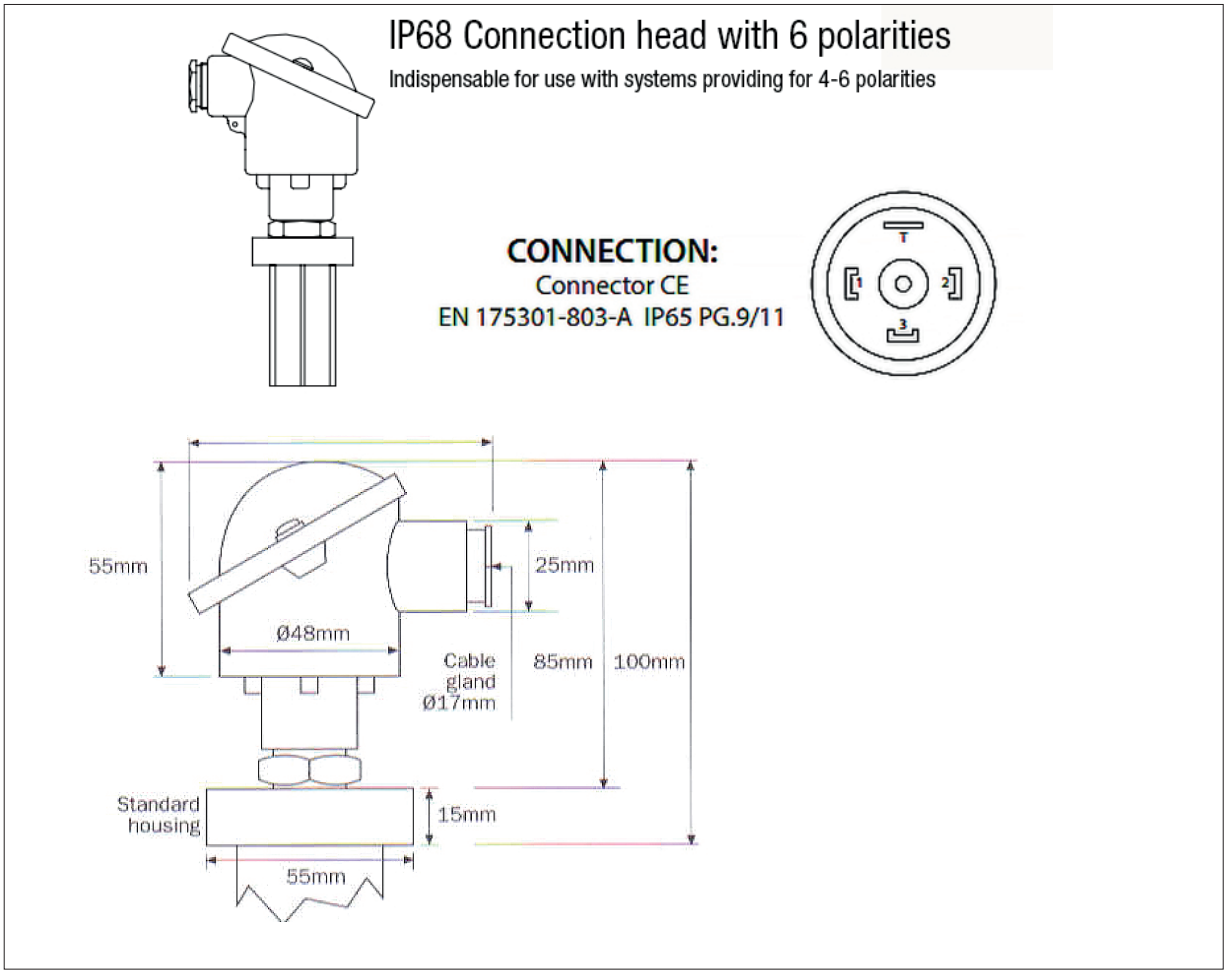
Operating Temperature
-20 to +80°C - Delrin Float
-20 to +120°C - Stainless Steel Float

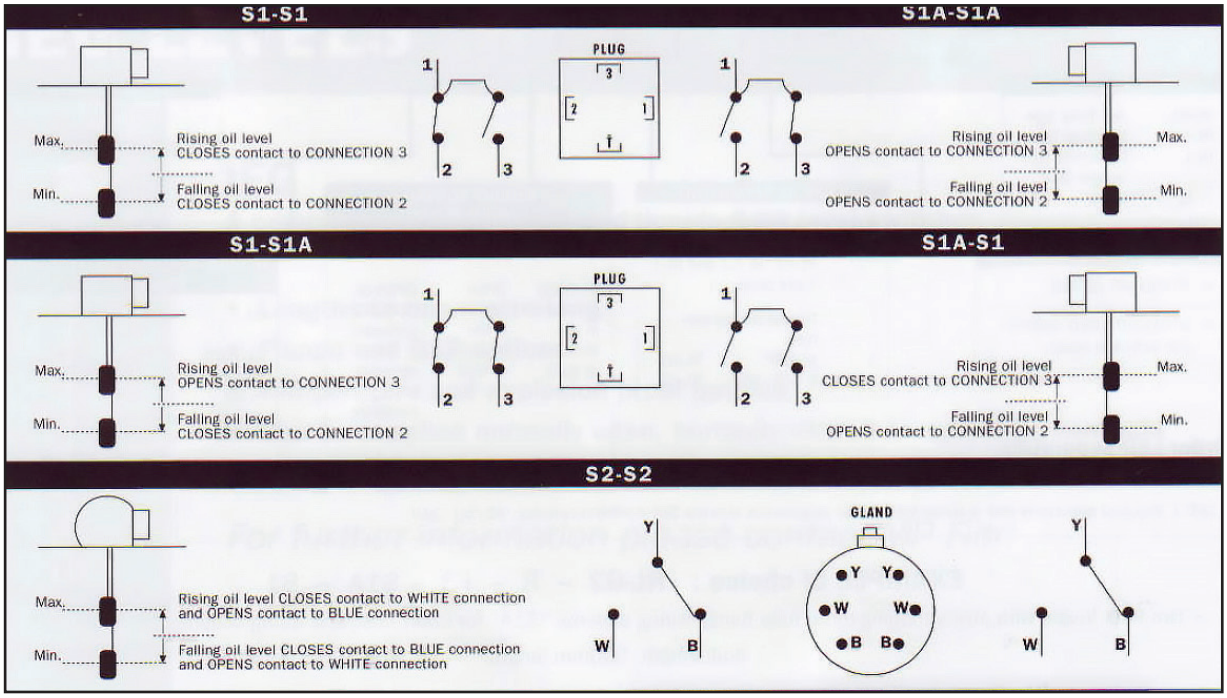
Output
ON/OFF



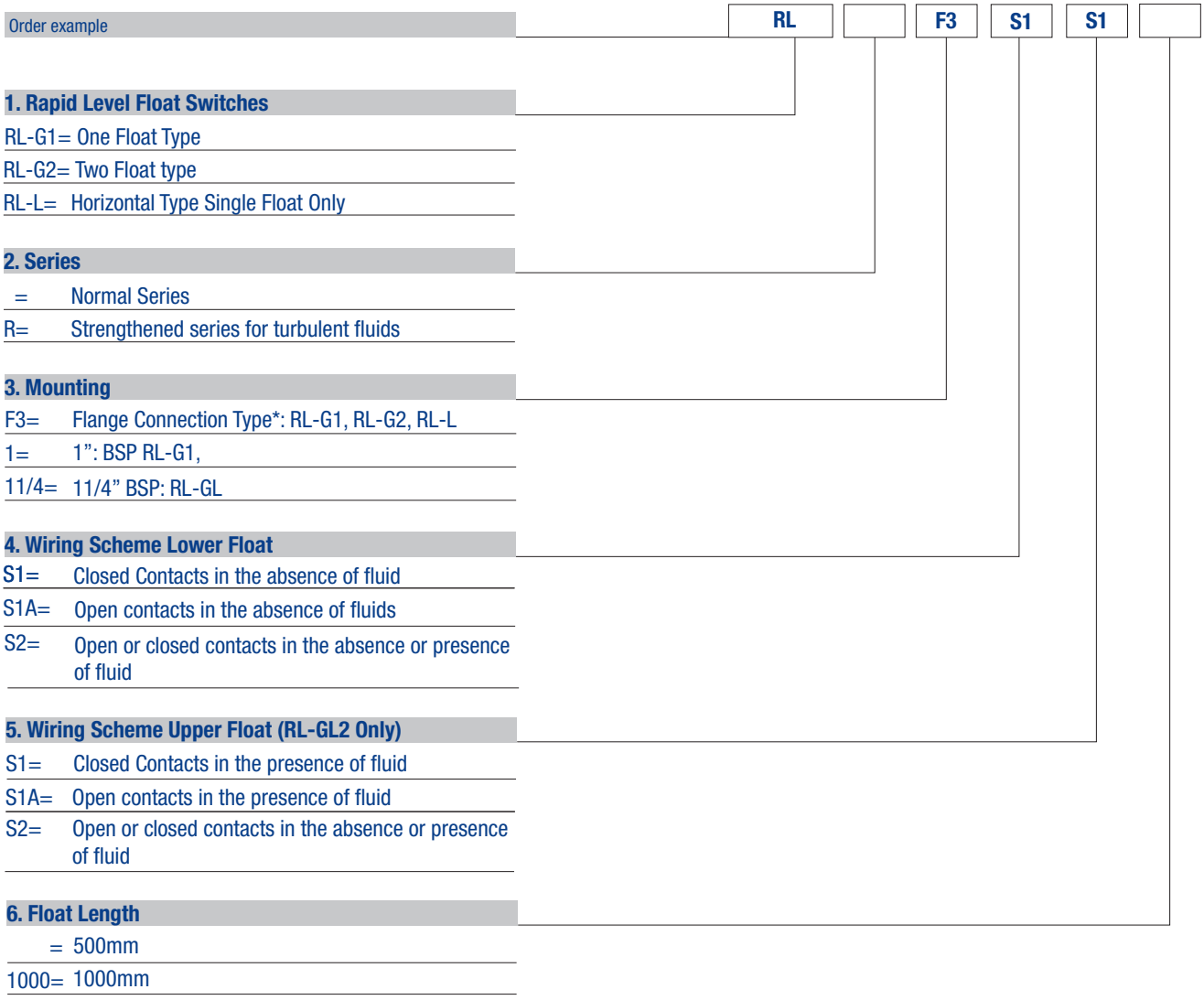
Flange Details




IP68 Connection head with 6 polarities
Indispensable for use with systems providing for 4-6 polarities
CONNECTION:
Connector CE
EN 175301-803-A IP65 PG.9/11
55mm
25mm
Ø48mm
Cable gland Ø17mm
85mm
100mm
Standard housing
15mm
55mm


S1-S1
Max.
Min.
Rising oil level CLOSES contact to CONNECTION 3
Falling oil level CLOSES contact to CONNECTION 2
PLUG
S1A-S1A
Rising oil level OPENS contact to CONNECTION 3
Falling oil level OPENS contact to CONNECTION 2
S1-S1A
Rising oil level OPENS contact to CONNECTION 3
Falling oil level CLOSES contact to CONNECTION 2
S1A-S1
Rising oil level CLOSES contact to CONNECTION 3
Falling oil level OPENS contact to CONNECTION 2
S2-S2
Rising oil level CLOSES contact to WHITE connection and OPENS contact to BLUE connection
Falling oil level CLOSES contact to BLUE connection and OPENS contact to WHITE connection
GLAND

How to order



LED Visual Light Indicator

LED1 Supplied sepearately and is easily installed in conjunction with the DIN connector - AC/DC 24V

ORDER EXAMPLE

RL-G2 - R - F3 - S1A - S1

Two float levels with strengthing three-hole flange wiring scheme, S1A lower float and wiring scheme, S1for upper float length - 500mm


RL/G1-F3-S1

Technical data

RL-G1 Series

Rapid Level Series Level Switches

Visual float levels
Resistant to contaminants
Variable level

Features:

- The easiest way to visually monitor liquid level without having to drill the side of the tank.
- The float pushes the rod with an indicator at the top which clearly and accurately shows the level of the liquid.
- Rod protector supplied as standard.

Installation:

Adjustment is quick and practical:

- Remove the float that creates a pressure seal with a silicone sheath (version with NBR float)
- Cut the rod and centring tube with a pipe cutter
- Refit the float - or it can be ordered already to size.

Maximum Working Pressure
10Bar.

Connections
Flange diameter 55, 1”1/4 BSP,

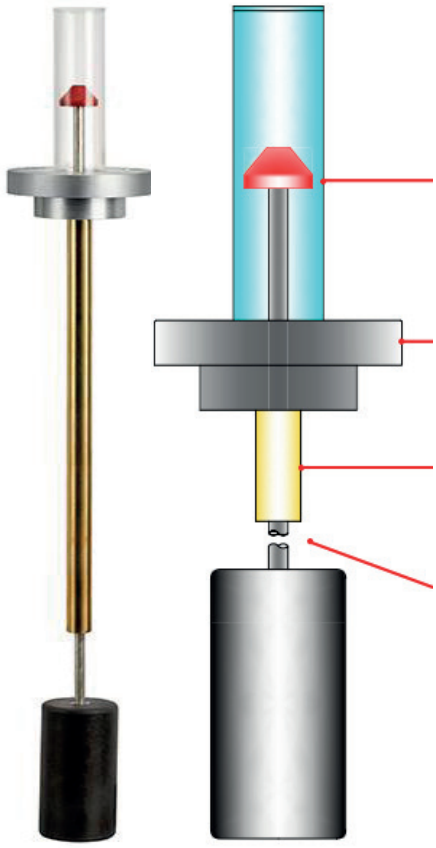
Operating Temperature
-20 to +80°C

Output
Only visual

Installation

We recommend a 10Ø hole on the top face of the tank.
Remove the float and reassemble it during the switch installation.

RL-G1 V



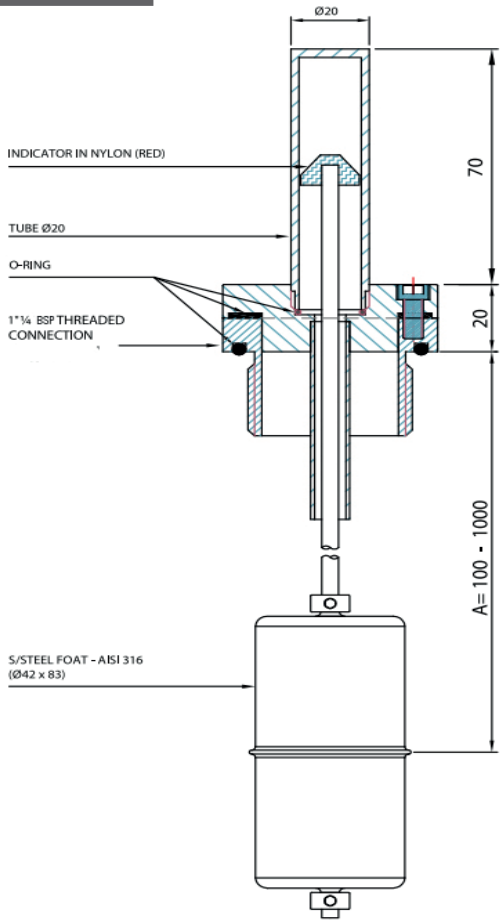
How to order

RL-GL-V1-1 1/4
1 1/4” BSP Flange

RL-G1-V-F3
3 Bolt Flange

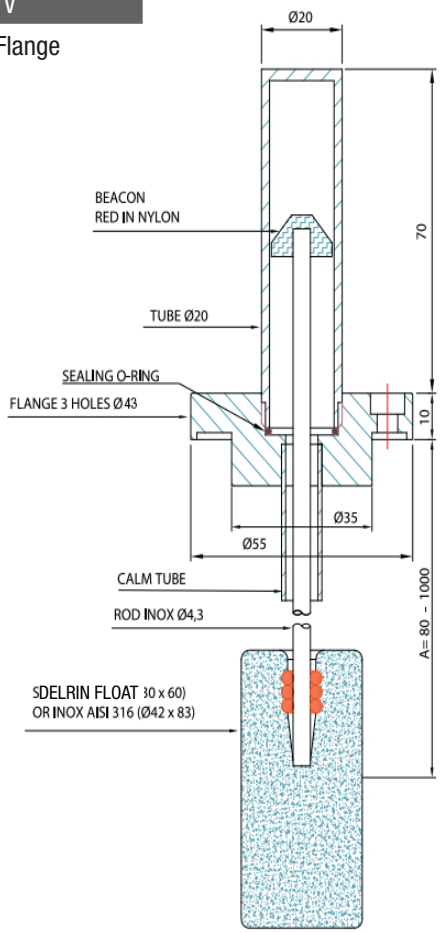
Delrin Float as standard

RL-G1 V 1 1/4”

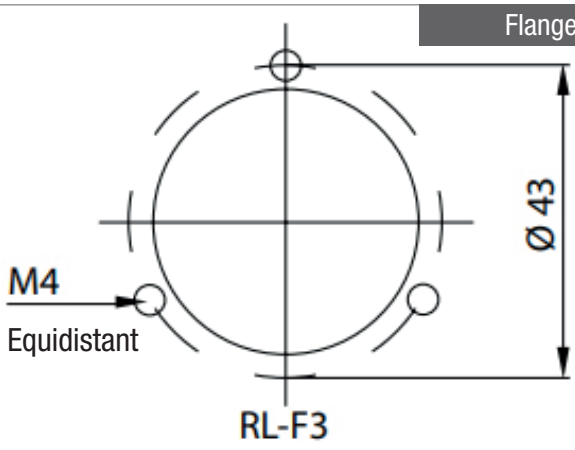


RL-G1 V

3-Bolt Flange



Flange Details



Technical data

LV Series

Visual level indicator with both minimum and maximum level detection

100mm to 4m lengths available
Aluminium 'U' Protection
One product, two functions
One item to fit
Safe working with the electrical part completely separated from the fluid and insulated from the outside.

Features:

- Allows the liquid level to be checked in a clear and precise way at any time.
- The level gauges can be equipped with a tap that stops the flow of liquid from the tank to the gauge.
- C/C distances of 127 ÷ 500 mm are fully interchangable with all major level gauges.
- 'U' protection screen is normally fitted in order to ensure visibility on the front part of the level gauge, but if necessary it can be turned 90° to deliver visibility on the right or left.
- Minimum level signal which can be Normally Open, Normally Closed, or Exchange contacts on request.

Maximum Working Pressure
10Bar

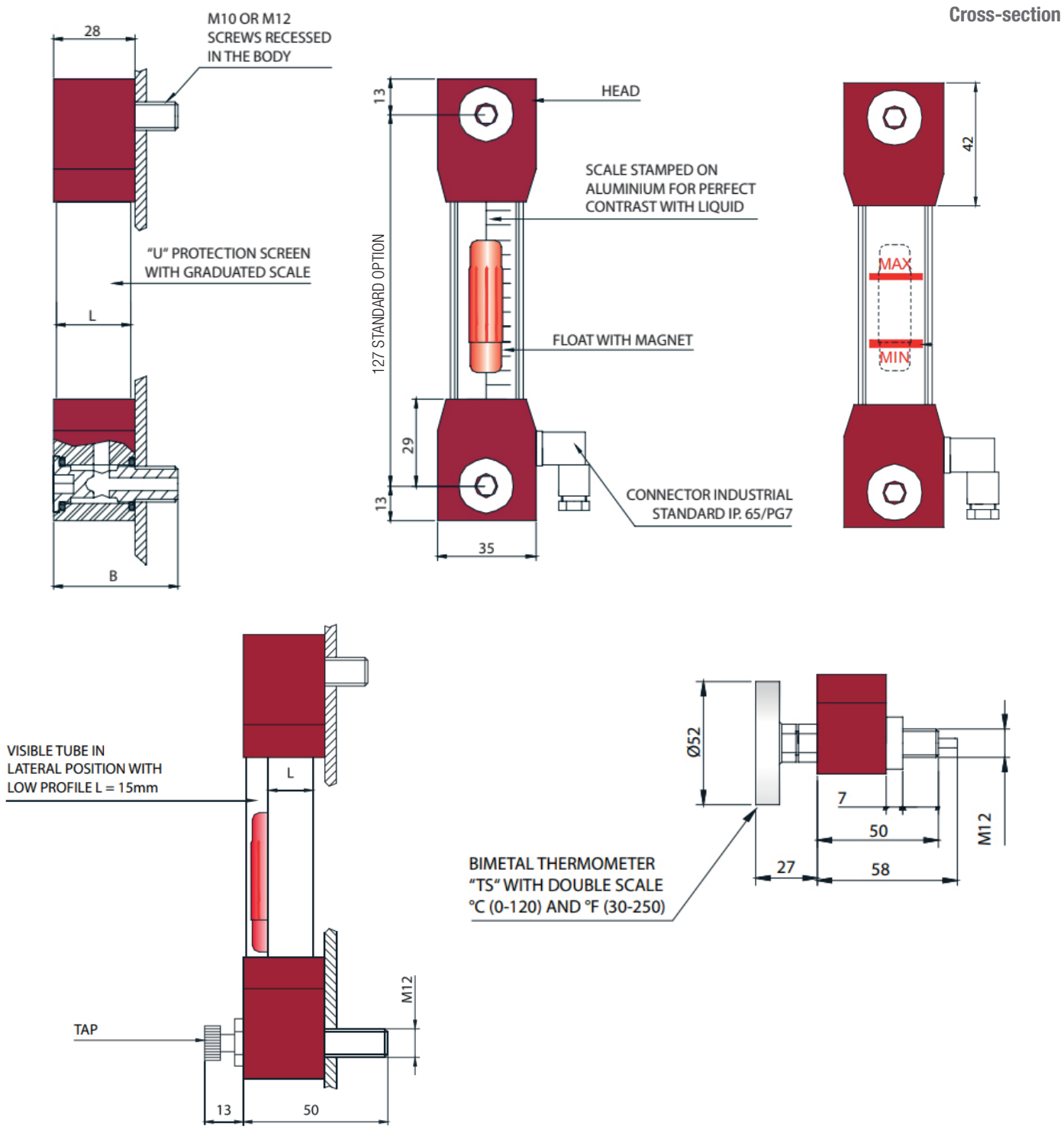
Maximum Tightening Torque
33NM

LV/E1

LV/E2

Electrical Connections

LV/E1	SPST - N.C. Without Fluid	SPST - NC With Fluid	SPDT
Electrical characteristics			
Commutable Power (DC)	20W	20W	20W
Commutable Power (AC)		20VA	20VA
Strength of Current (AC and DC)	1A	1A	1A
Commutable Voltage	200V	150V	150V
Temp Range - Acrylic Tube	-20 to +70°C	-20 to +70°C	-20 to +70°C
Temp Range - Pyrex Tube	-20 to +100°C	-20 to +100°C	-20 to +100°C



How to Order

Example 1:
LV/E1-500-M12-Exchange
Visual Level with minimum level signal and with bolt centres of 500mm, M12 bolts and exchange contacts

Example 2:
LV/E2-127-M10
Visual Level with minimum and maximum level signal and with bolt centres of 127mm, M10bolts

LV/M

Special Fluid Level Gauge - All Fluid Capability

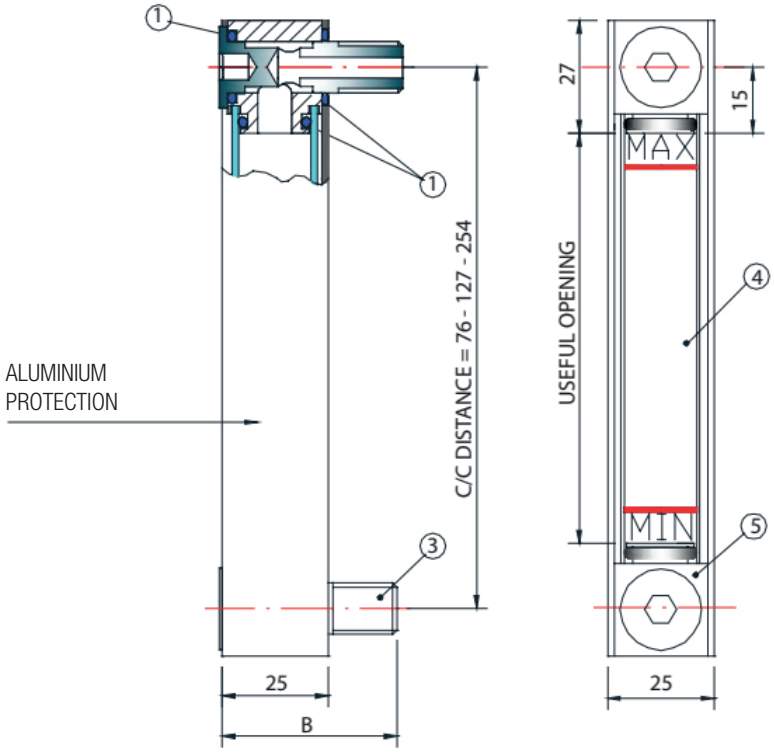
Different polymeric materials used for the transparent tube, blocks and O-ring
Stainless steel AISI 316 in the metallic parts in contact with the liquid

Features:

- Constant and continuous indication of the level of the liquid
- Protected from shocks by using a profle 'U' anodized aluminium
- 3 Centres option - 76, 127, and 254mm

Maximum Working Pressure
10Bar

Maximum Tightening Torque
33NM



IEG

Single and Double Float Level Switches

Fixed length
Lengths to one metre
Flange and BSP optlons
Temperature and explosion proof options
Can be supplied Normally Open, Normally Closed or Exchange contacts
Contact MP Filtri UK Ltd for further details

How to Order

LV/M Level Gauges and IEG Level Gauges

Please contact MP Filtri UK Ltd for further details.

Technical data

FLU/P Series

Visual Flowmeters

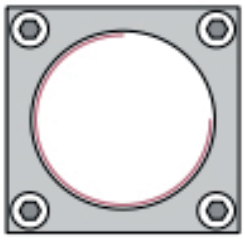
Flowmeter for liquids
Mineral oil or water as standard
BSP threads

Features:

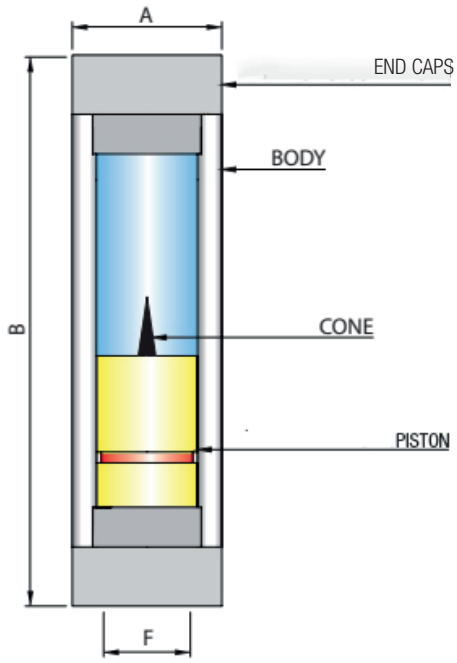
- Flowmeter offers exceptional visibility on each side and a clear and easy-to-read scale.
- Cone design ensures accuracy of measurement
- Threaded connection head: anodized aluminum.
- Body material: Grilamid™ TR55 (PA Transparent) high resistance.
- O-Ring: NBR; Contact MP Filtri for options

Maximum Working Pressure
25Bar.

FLU/P



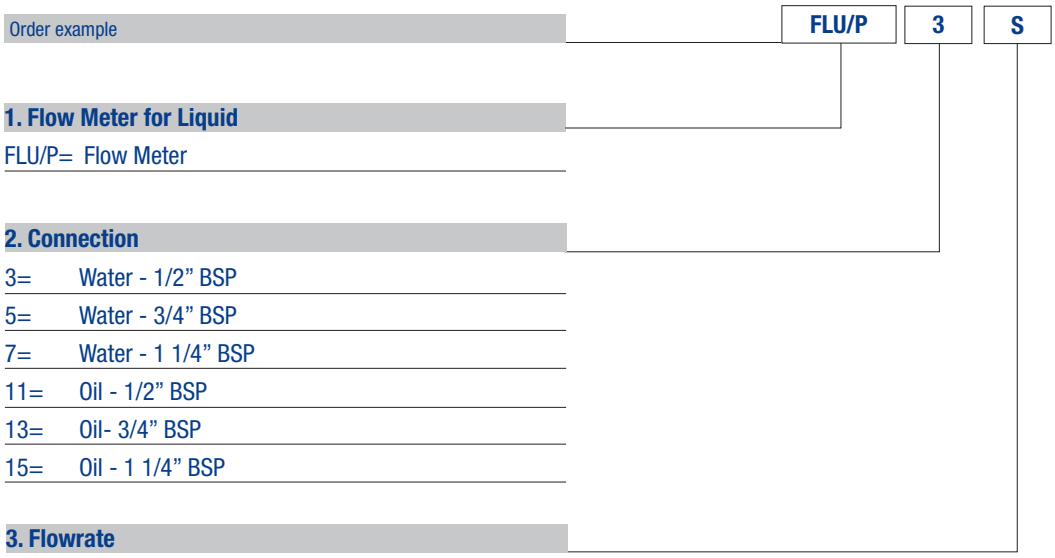
FLU/P



Please contact MP Filtri UK for more information

Liquid	F	Flowrate Ltrs/Min	Max Pressure Bar	Material	A	B	C	Temp Range
Water	1/2" BSP	1....20	30	Cone and Shutter: PVC	40x40	150	57	-20°C to +80°C
	3/4" BSP	5....36	25		55x55	160	72	-20°C to +80°C
	1 1/4" BSP	20...95	25		55x55	160	72	-20°C to +80°C
Oil	1/2" BSP	1....16	30	Cone and Shutter: Nickel-plated Brass	40x40	150	57	-20°C to +80°C
	3/4" BSP	5....30	25		55x55	160	72	-20°C to +80°C
	1 1/4" BSP	20....80	25		55x55	160	72	-20°C to +80°C

How to order



1. Flow Meter for Liquid

FLU/P= Flow Meter

2. Connection

3=	Water - 1/2” BSP
5=	Water - 3/4” BSP
7=	Water - 1 1/4” BSP
11=	Oil - 1/2” BSP
13=	Oil- 3/4” BSP
15=	Oil - 1 1/4” BSP

3. Flowrate

S=	Standard
C=	Custom (Min-Max)

Technical data

FLU/P Series

Flow Switches

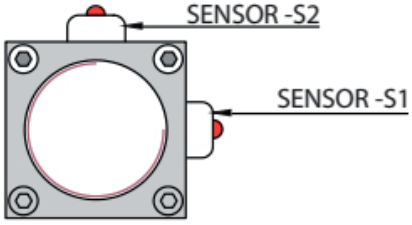
Flow Switch for liquids
BSP threads
Mineral oil or water as standard
Two adjustable electrical contacts

Features:

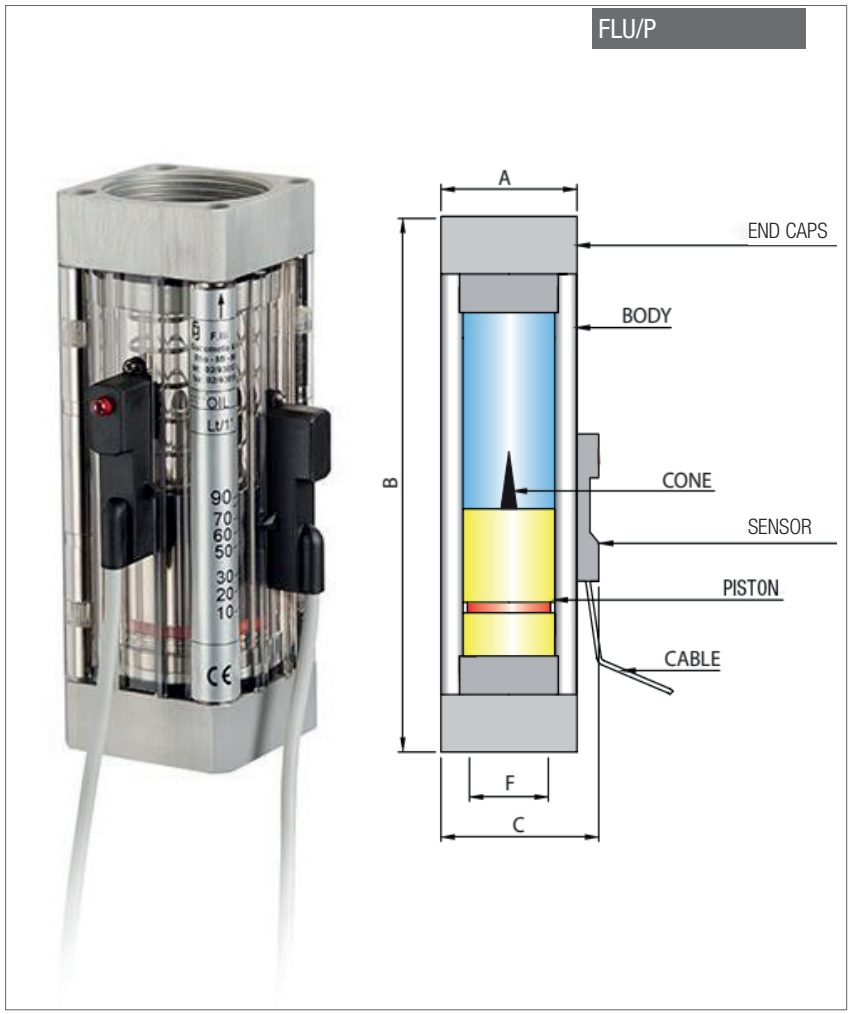
- Flow Switch offers exceptional visibility on each side and a clear and easy-to-read scale.
- Cone design ensures accuracy of measurement
- FLU/P series can be equipped with 1 or 2 alarm sensors, giving a signal in the presence or absence of the predetermined flowrate
- Threaded connection head: anodized aluminum.
- Body material: Grilamid™ TR55 (PA Transparent) high resistance.
- O-Ring: NBR; Contact MP Filtri UK for more options.
- Electric Sensors: SPST, SPDT

Maximum Working Pressure
25Bar.

FLU/P



FLU/P



Please contact MP Filtri UK for more information and for other size and fluid options.

Liquid	F	Flowrate Ltrs/Min	Max Pressure Bar	Material	A	B	C	Temp Range
Water				Cone and Shutter: PVC				
	3/4" BSP	5....24	25		55x55	160	72	-20°C to +80°C
	1 1/4" BSP	20...95	25		55x55	160	72	-20°C to +80°C
Oil				Cone and Shutter: Nickel-plated Brass				
	3/4" BSP	5....20	25		55x55	160	72	-20°C to +80°C
	1 1/4" BSP	20....80	25		55x55	160	72	-20°C to +80°C

How to order

Order example	FLU/P	0	F3	S1	S1	0	0	0

1. Flow Switches

FLU/P= Flow Switch

2. Connection

4= Water 3/4" BSP
7= Water 1 1/4" BSP
12= Oil 3/4" BSP
15= Oil 1 1/4" BSP

3. Flowrate

S= Standard

4. Sensors

1= 1 Sensor
2= 2 Sensor

5. Type of Contact Sensor S1

A= SPST CH IN ABSENCE
B= SPST CH IN PRESENCE
C= SPDT
D= SPST CH IN ABSENCE GREEN LED
E= SPST CH IN ABSENCE RED LED
F= SPST CH IN PRESENCE GREEN LED
G= SPST CH IN PRESENCE RED LED

6. Cable Length Sensor S1

S= Standard

7. Type of Contact Sensor S2

A= SPST CH IN ABSENCE
B= SPST CH IN PRESENCE
C= SPDT
D= SPST CH IN ABSENCE GREEN LED
E= SPST CH IN ABSENCE RED LED
F= SPST CH IN PRESENCE GREEN LED
G= SPST CH IN PRESENCE RED LED

8. Cable Length Sensor S2

S= Standard

Technical data

IP/IPN Series

Piston-operated Pressure Switches

Max working pressure: 6-630 bar
Available as standard in two sizes
BSP and CETOP adaptors available

IP

Features:

- A range of piston-operated fixed differential, electro-hydraulic pressure switches with exchange electrical contacts.
- Mountable in any direction
- DIN 43650 connector as standard
- Non-standard switches available on request - for use with special fluids and high-temperature operations
- When pre-set pressure is achieved, actuates an electrical microswitch
- Exceptional stability and repeatability (±1%)

Installation:

- The pressure switches type IPH can be mounted in any position
- Fluid to be used: hydraulic oil in compliance with DIN 51524 rules, viscosity between 30 and 100 mm2/s (cSt) at 40°C
- Recommended filtration of 25µ absolute to Beta 1000
- Hydraulic fluid temperature: from -20° to +75°C

Voltage	125AC	250AC	30DC	150DC
Max Current (resistive load)	7 Amp	5 Amp	5 Amp	0.2 Amp
Max Current (Inductive Load)	4 Amp	2 Amp	3 Amp	0.02 Amp
Connection Frequency	Max 120 cycles per minute			
Protection	IP-65			
Direct Current with inductive load	It is suggested to provide an arching contact			
Contact Resistence	15 mΩ			

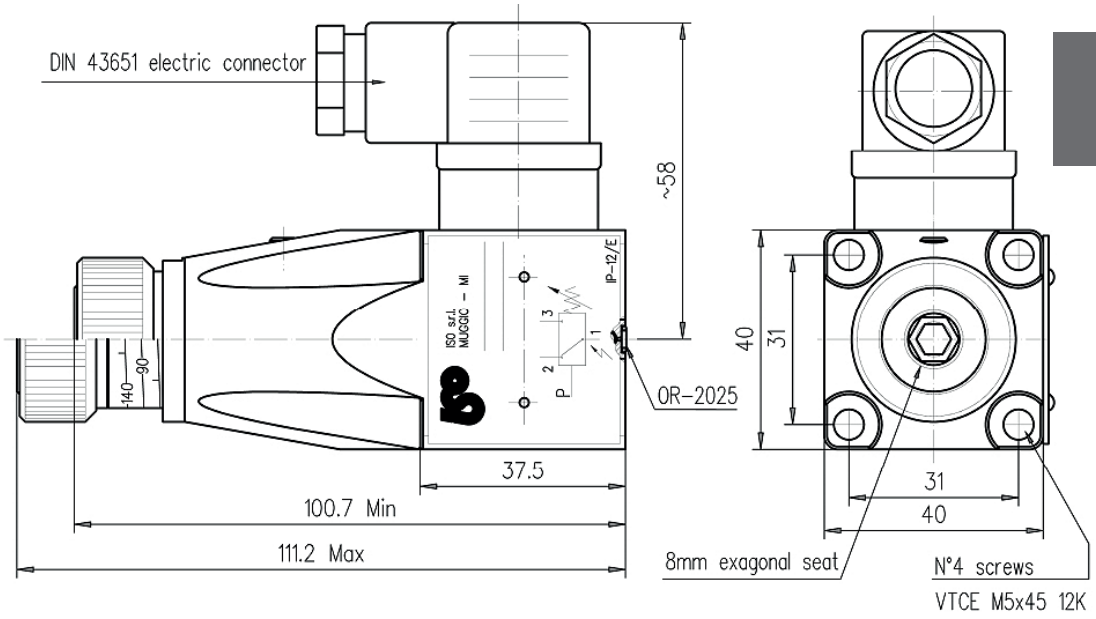
How to Order

IP - ***/*

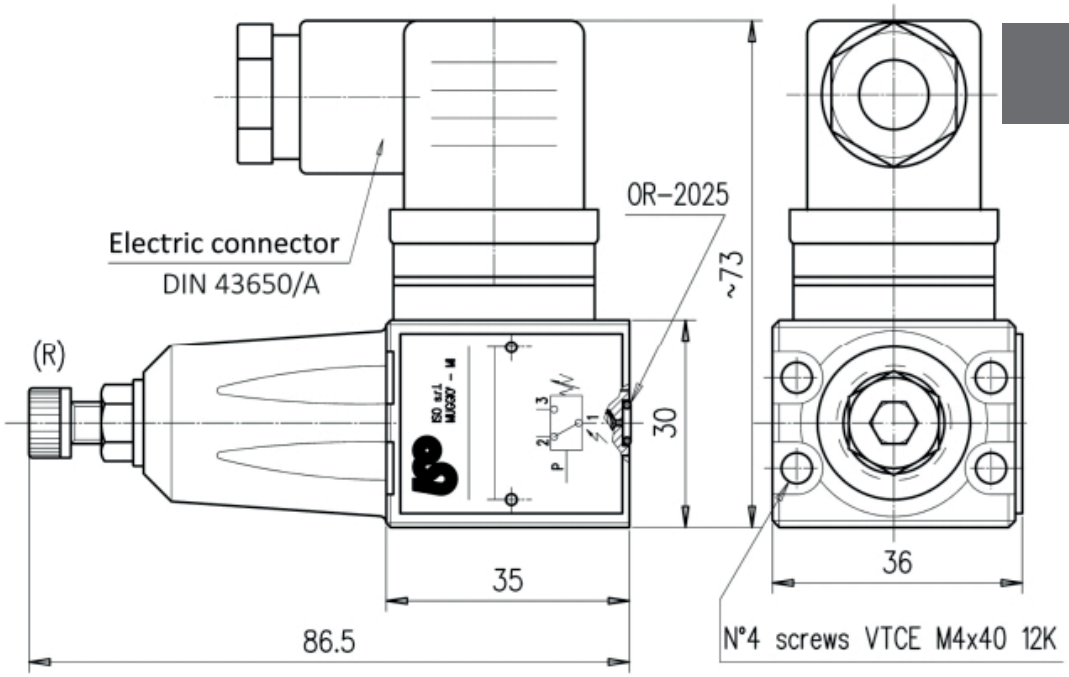
- */A = electric contacts type A /E = electric contacts type E
- Pressure Setting: **035**=6-35bar **150**=12-150bar **250**=15-250bar **350**=30-350bar **630**=50-630bar
- Pressure Switch

Cross-section

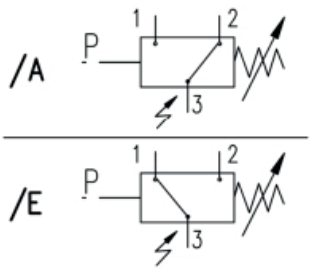
IPN
Handwheel
Adjustable Type



IP
Locknut Type

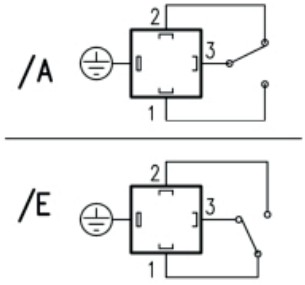


Symbol

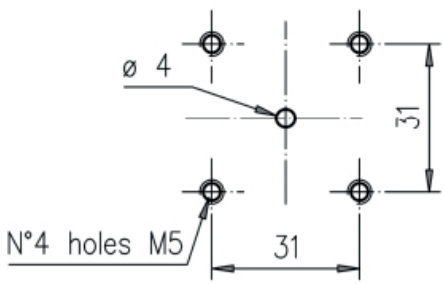


Contacts

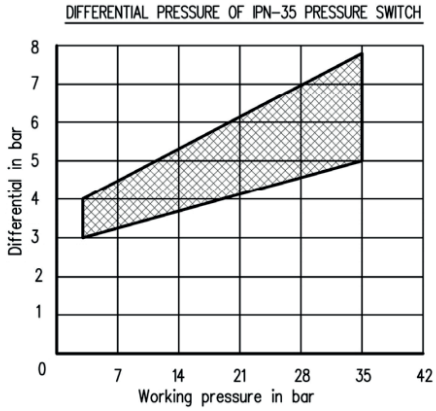
Pressure operated position

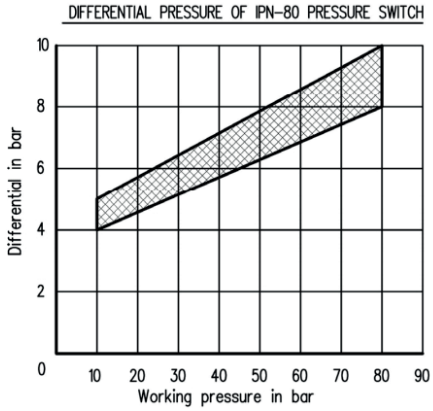


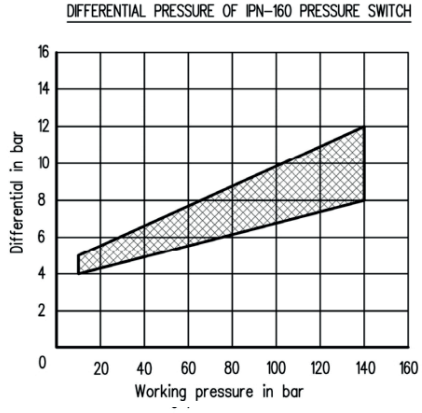
Flange Interface

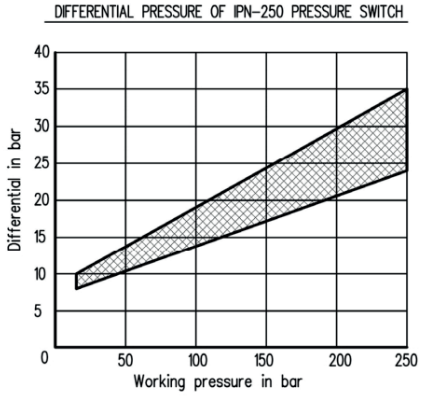


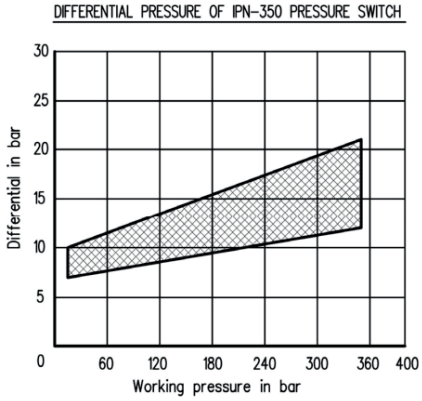
Switch Pressure Differential Graphs

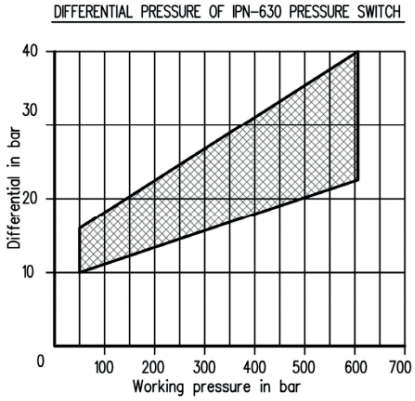






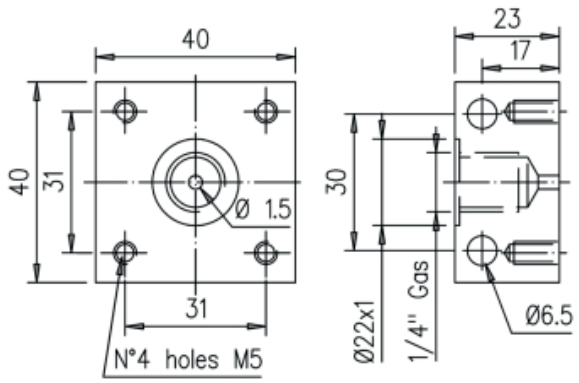






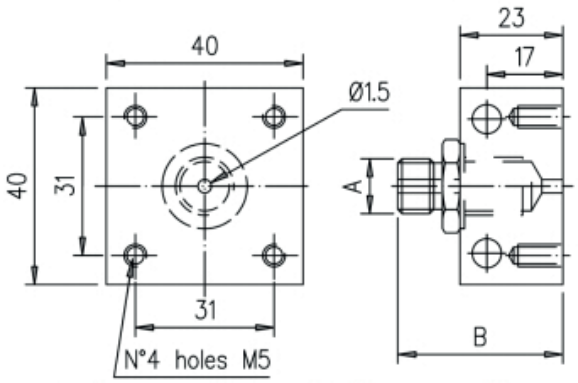
Adaptors

BFU-14 (Female adaptor)



WEIGHT	0.3 Kg.

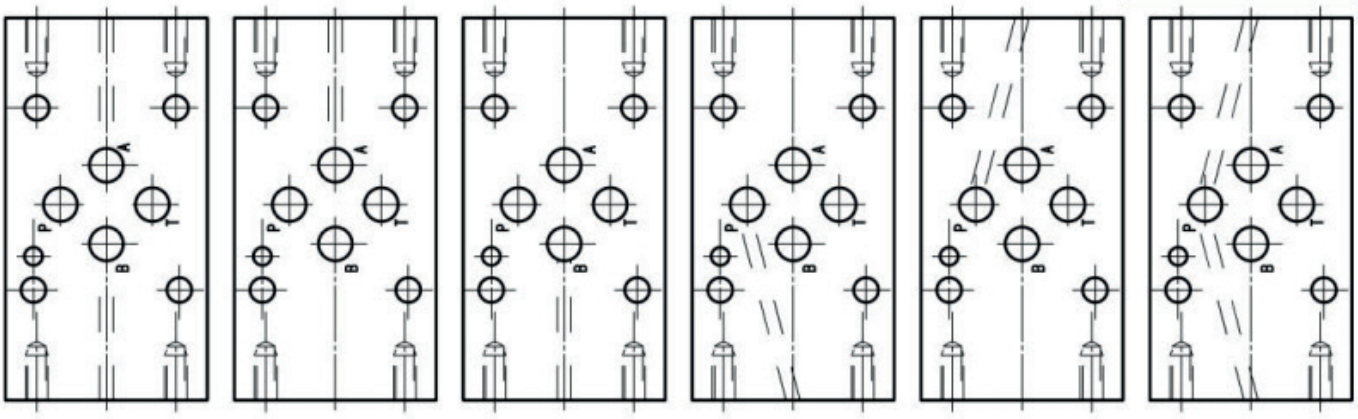
BMM-**



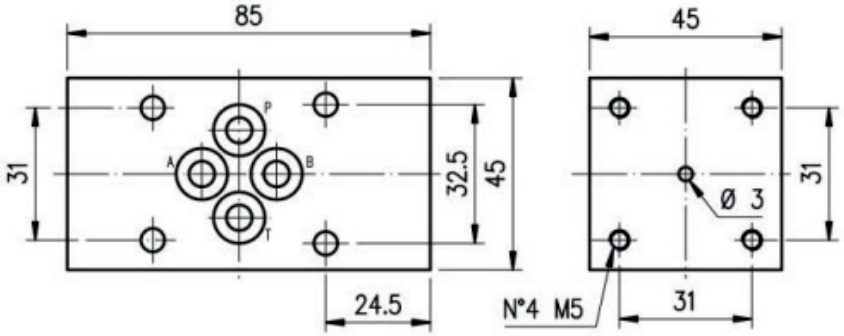
TYPE	A	B
BMM-14	1/4" BSP	41
BMM-38	3/8" BSP	45
BMM-12	1/2" BSP	46

WEIGHT	0.3 Kg.

SBM-03/210-IP-**



Version AB **Version A** **Version B** **Version P1** **Version P2** **Version PP**



Technical data

IPH Series

Piston-operated Pressure Switches

Max working pressure: 6-630 bar
Available as standard in two sizes
BSP and CETOP adaptors available

IPH

Features:

- A range of piston-operated fixed differential, electro-hydraulic pressure switches with exchange electrical contacts.
- Mountable in any direction
- DIN 43650 connector as standard
- Non-standard switches available on request - for use with special fluids and high-temperature operations
- When pre-set pressure is achieved, actuates an electrical microswitch
- Exceptional stability and repeatability (±1%)

Installation:

- The pressure switches type IPH can be mounted in any position
- Fluid to be used: hydraulic oil in compliance with DIN 51524 rules, viscosity between 30 and 100 mm2/s (cSt) at 40°C
- Recommended filtration of 25µ absolute to Beta 1000
- Hydraulic fluid temperature: from -20° to +75°C

Voltage	125AC	250AC	30DC	150DC
Max Current (resistive load)	7 Amp	5 Amp	5 Amp	0.2 Amp
Max Current (Inductive Load)	4 Amp	2 Amp	3 Amp	0.02 Amp

Connection Frequency	Max 120 cycles per minute
Protection	IP-65
Direct Current with inductive load	It is suggested to provide an arching contact
Contact Resistence	15 mΩ

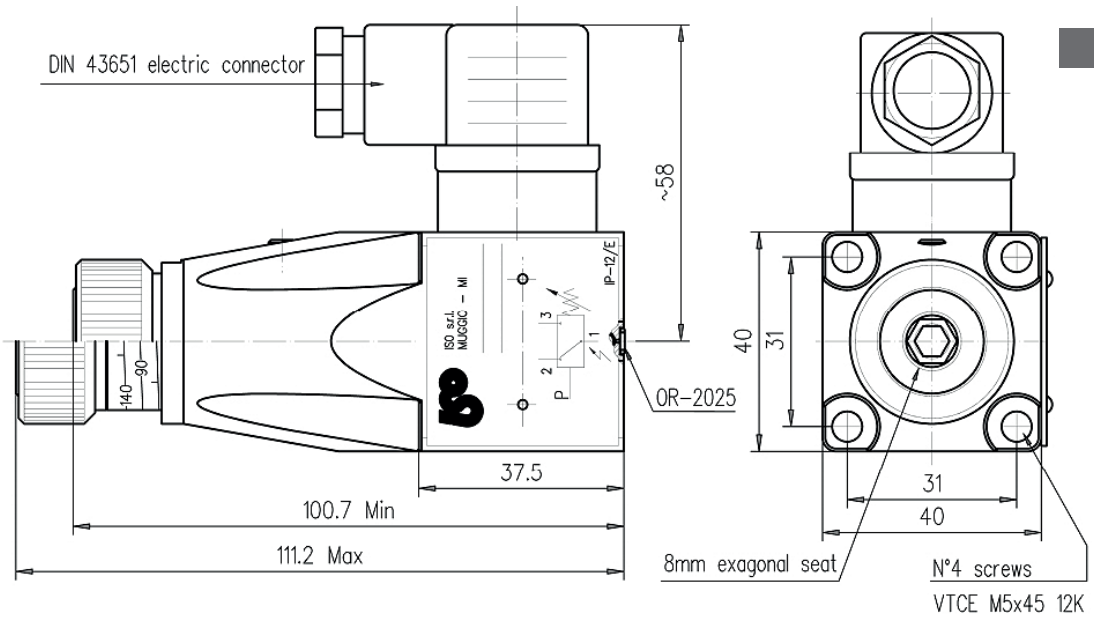
How to Order

IPH- ***/*

- */A* = electric contacts type A /E = electric contacts type E
- Pressure Setting: **035**=6-35bar **150**=12-150bar **250**=15-250bar **350**=30-350bar **630**=50-630bar
- Pressure Switch

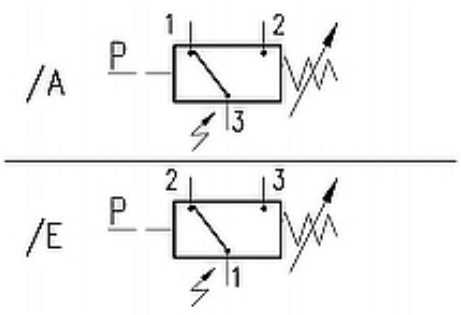
Cross-section

IPH

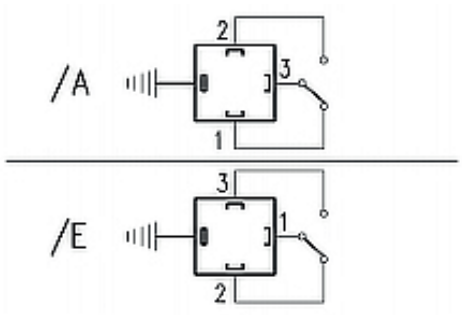


Connections

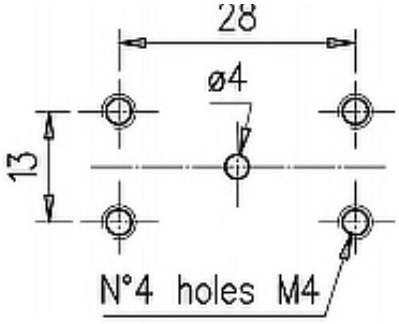
Contacts



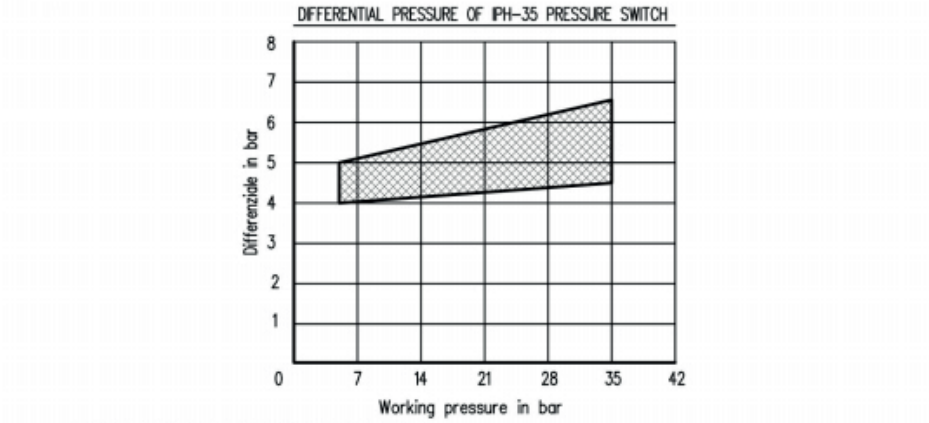
Symbol

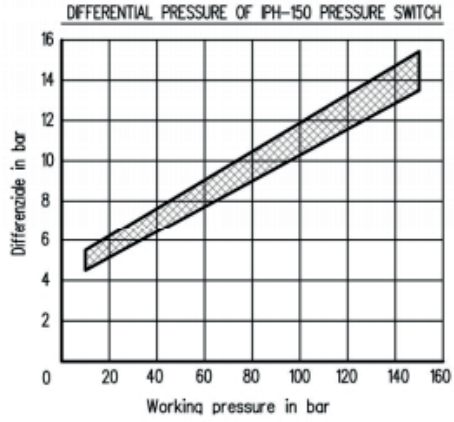


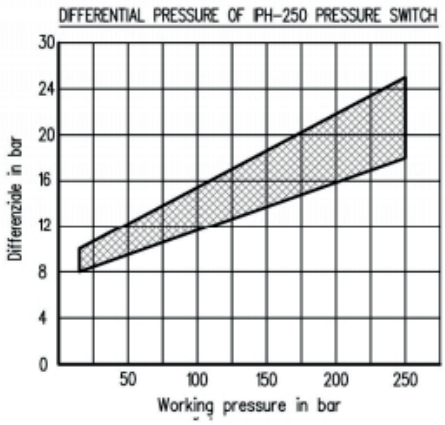
Flange Interface

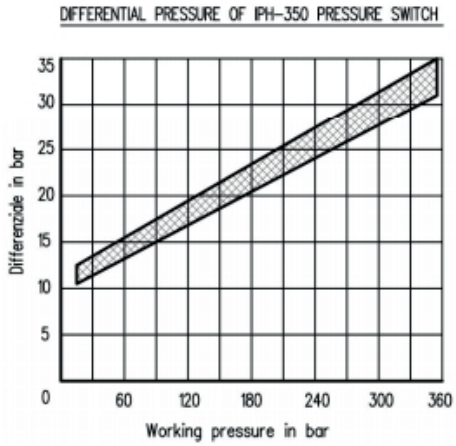


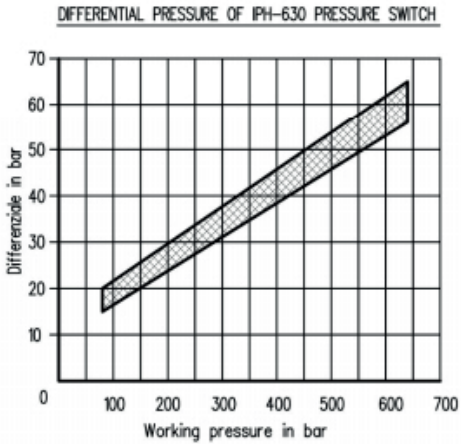
Switch Pressure Differential Graphs



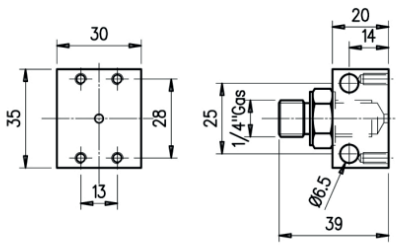






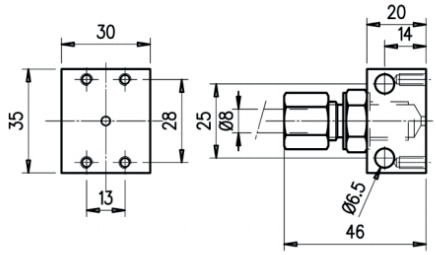


APM-14



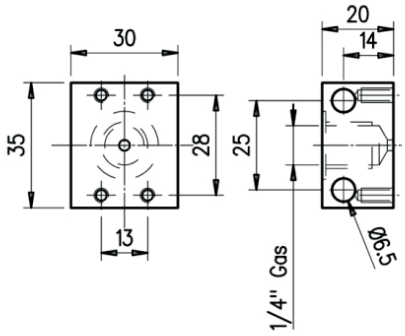
It allows the pressure switch mounting:
- panel-mounted adaptor by using n.2 ø 6.5 holes
- equipped with 1/4" BSP nipple

APM-14-1/4x8



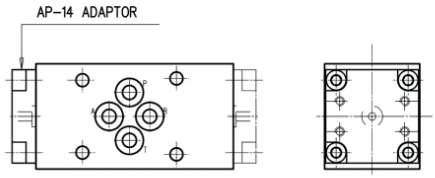
It allows the pressure switch mounting:
- panel-mounted adaptor by using n.2 ø 6.5 holes
- equipped with 1/4" BSP tang for ø 8 hose

APH-14



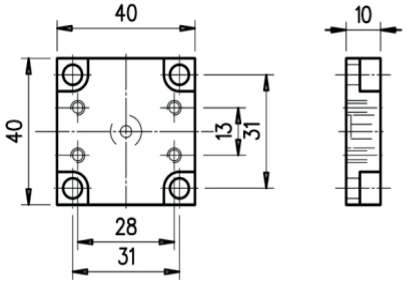
It allows the pressure switch mounting: panel-mounted adaptor by using n.2 ø 6.5 holes.

SBM-03/210-IP-**



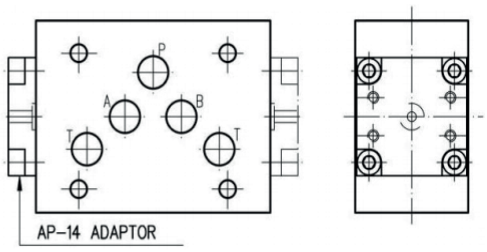
When you order, replace the asterisks with the port/ports on which the device will be mounted.
Es. SBM-03/210-IP-B = Pressure switch operating on B port.

AP-14



It allows the pressure switch mounting:
- as a replacement of pressure switches type IP
- together with modular subplate type SBM (see on side)

SBM-05/210-IP-**



When you order, replace the asterisks with the port/ports on which the device will be mounted.
Es. SBM-05/210-IP-B = Pressure switch operating on B port.

Technical data

27N

Diaphragm Pressure Switch

Electric Contacts:
Silver

Electrical Condition:
SPDT (exchange contact)

Electrical Characteristics:
4(2)A / 24 Vdc
6(2)A / 250 Vac

Max Fluid Temperature: (depending on diaphragm)
80°C to 120°C

Mechanical Working Life:
10^6 operations

Max Over Pressure Limit:
Zinc plated steel - 300 bar
Brass - 80 bar

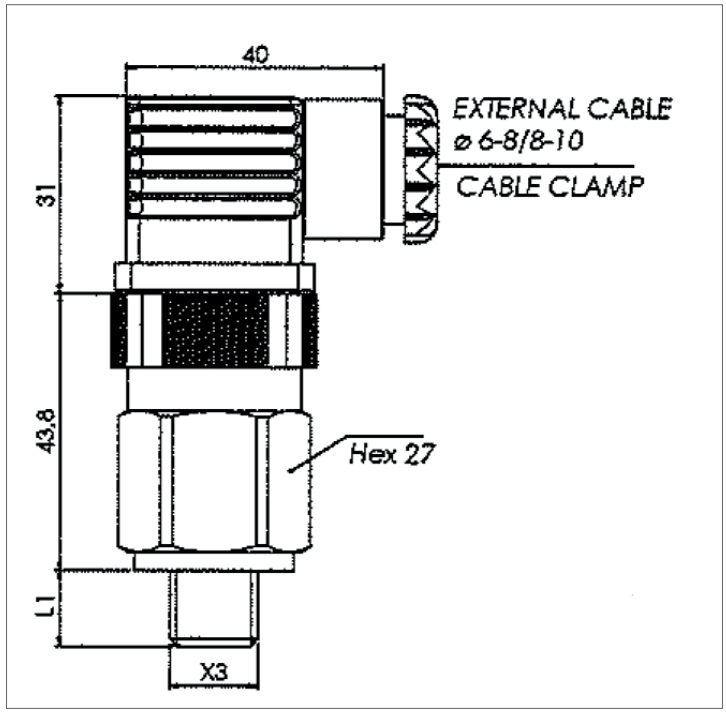
Max Working Pressure:
Zinc plated steel - 300 bar
Brass - 40 bar

Protection Rating:
IP65

Hysteresis:
10-50% adjustable (Avg 30%)

Weight:
130g

How to Order
See Page 30



Technical data

28N

Piston Pressure Switch

Electric Contacts:
Silver

Electrical Condition:
SPDT (exchange contact)

Electrical Characteristics:
4(2)A / 24 Vdc
6(2)A / 250 Vac

Max Fluid Temperature:
80°C

Mechanical Working Life:
10^6 operations

Max Over Pressure Limit:
800bar

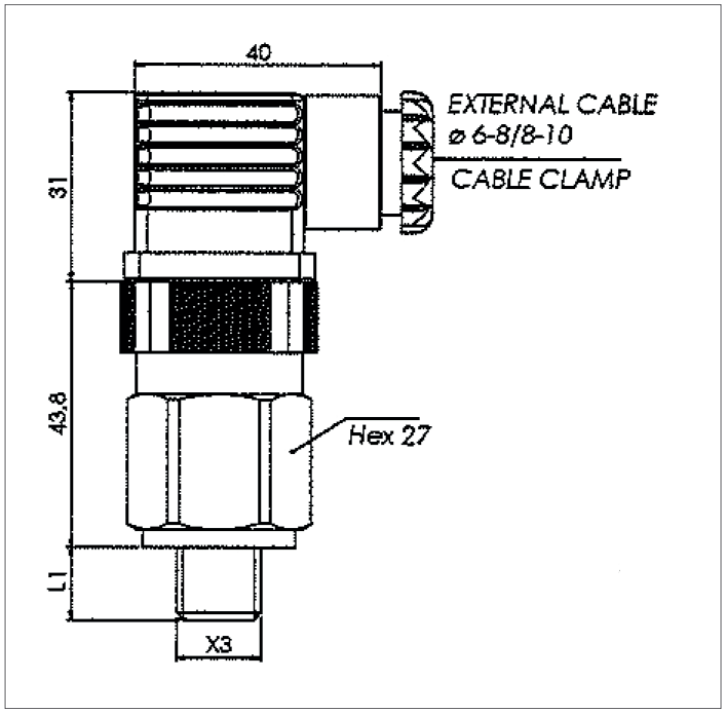
Max Working Pressure:
450bar

Protection Rating:
IP65

Hysteresis:
30-50% adjustable (Avg 40%)

Weight:
140g

How to Order
See Page 30



How to order

Order example	27N	2	0	1	1	1

1. Pressure switch

27N= Diaphragm Pressure Switch
28N= Piston Pressure Switch

2. Connector

2= Hirschmann connector

3. Material Case

0= Zinc-plated Steel case
1= Brass (27N Diaphragm Pressure Switch only)
2= Stainless Steel AISI 316* (Standard 1/4" BSP)
3= Stainless Steel AISI 303* (Standard 1/4" BSP)

4. Threads (X3)

1= 1/8" BPST - 10mm (L1)
2= 1/4" BSPT - 12mm (L1)
3= M10x1taper - 10mm (L1)
6= 1/4" BSP - 12mm (L1)

* ATEX Version also available - Please contact MP Filtri UK

5. Diaphragms / Seals

1= NBR
2= FKM (27N Diaphragm Pressure Switch only)
3= EPDM CH (27N Diaphragm Pressure Switch only)
4= CR (27N Diaphragm Pressure Switch only)
5= Silicone (27N Diaphragm Pressure Switch only)
6= HNBR (27N Diaphragm Pressure Switch only)

5. Pressure Setting Range

	Setting range bar	Tolerance at 20°C	Model
1=	0-3 - 1.5	±0.2	27N
2=	1-5	±0.3	27N
3=	1-10	±0.5	27N
4=	10-50	±2	27N
5=	10-100	±3	27N
6=	50-200	±2-10	28N
7=	100-400	±5-15	28N

Technical data

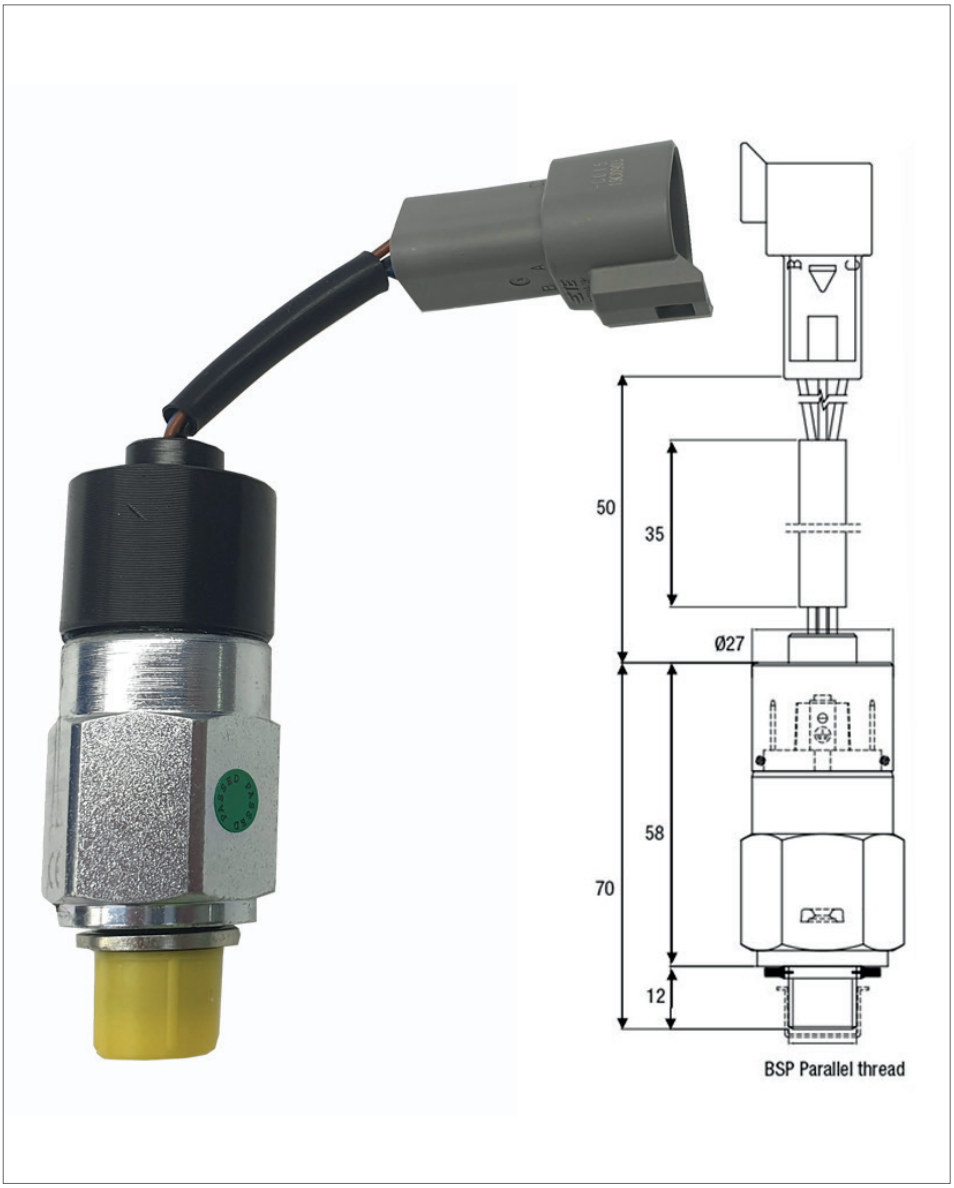
AS28N

Pressure Switches

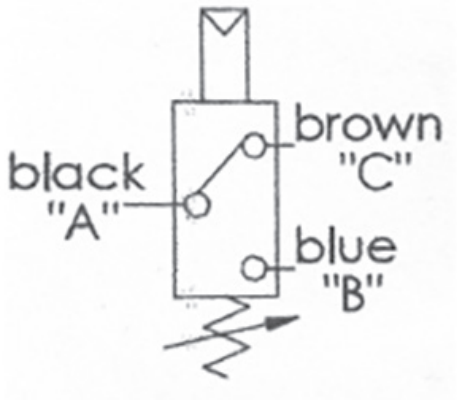
For Mobile Applications
IP67 Protection Rating

Features:
Connector:
Deutsch DT04-3P with W-3P
Pin Deutsch 1060-16-0122
Setting:
TBC
Tolerance to 20°C:
±5bar
Maximum Overpress Limit:
800bar
Maximum Fluid Temperature:
80°C
Mechanical Working Life:
10^5 Operations
Switched Voltage:
24Vdc
Maximum Switched Current:
2 (1) A
Action Type:
1B
Pollution Situation:
Normal

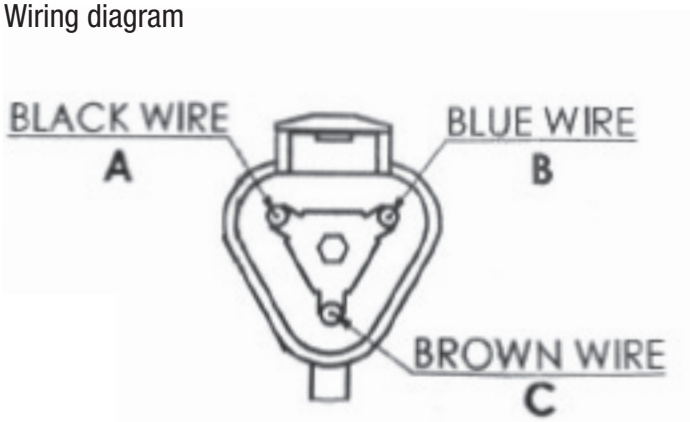
Ordering Example:
Please contact MP Filtri UK for more information.



Electric connections (without pressure)



Wiring diagram

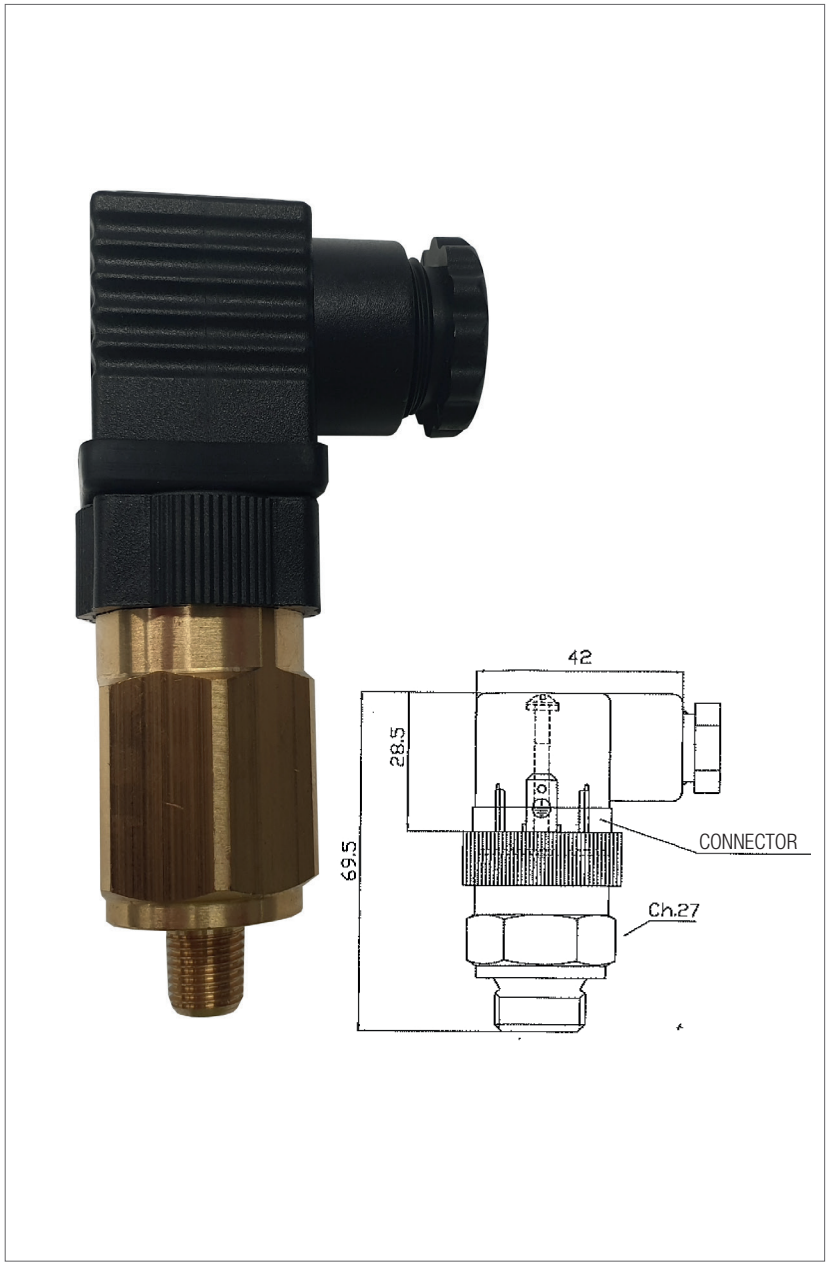


Technical data

TDP53

Thermostatic Plugs

For Mobile and Industrial Fluid Applications
Temperature trip control - various settings
Full range of thread sizes
Aluminium housing
Suitable for: System temperature control, Pump and motor overheat protection, Oil tank temperature control, Cold start protection



Features:
Case:
OT58 Brass/Aluminium
Differential:
10%
Intervention tolerance:
±5%
Voltage:
12V-Current 10A, 24V-Current 10A, 120V-Current 15A, 240V-Current 10A
Number of Cycles:
100,000
Temperature Range Rate:
1-2% per minute
Minimum Current:
200 mA

Din43650 Connector Standard

Ordering Options:
Temperature Trips:
40ºC, 50ºC, 60ºC,70ºC,80ºC,90ºC
Sizes:
1/4" BSP, 3/8" BSP, 1/2" BSP, 3/4" BSP
Contacts:
N.O. - Normally Open
N.C. - Normally Closed

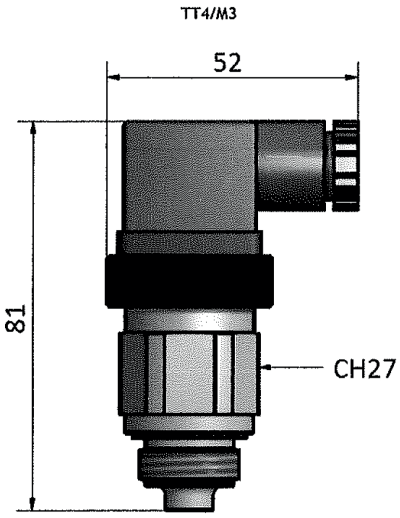
How to Order
TDP53 - 3/4 - 70ºC - N.O.
3/4" BSP Threaded Plug, 70ºC Temperature Limit, with Normally Open Contacts.

Technical data

TT4

Temperature transmitter

For temperature applications
Proportional output signal
Choice of Nickle plated or Stainless Steel AISI316L body
Available with an extension to intercept fluid in the tank
Special electrical connection options
Choice of measurement pressure ranges
M3 and M12 models available



Features:
Working temperature:
0°C to +100°C
Non linearity + hysteresis:
<5% of the end of the scale at 20°C
Zero Thermic Drift:
<3% of the end of the scale from 0°C to +70°C
Weight:
0.07kg
Body:
Nickle plated brass
Wetted parts in nickle plated brass and integral seal in NBR
Stainless Steel AISI316L body (TT4X)

Electrics:
Power Supply standard executions:
4-20mA → 2 wires: from 12 to 24 VDC
0-10 V → 3 wires: from 12 to 24 VDC
Electric connection: DIN43650(M3)
Electric connection: IEC60947-5-2 (M12)
Electric protection: CEI EN 60529, IP65 (M3 and M12)

Please contact MP Filtri UK for options and information

How to Order
TT4 -200-2-M3

Type	Temperature measurement range	Pressure max	Hydraulic connection	Execution type	Electric Connection	Power Supply
TT4	0 - 100° C	200 bar	1 - 1/2" BSP-M 2 - 3/4" BSP-M 3 - M22x1.5-M	0-12V execution If omitted it means standard execution is: 4-20mA	M3 Connector 30x30 connector M12 Connector Connection M12x1 (Female connector excluded)	12V Power Supply 10-15 V If omitted it means standard execution is 15-28VDC

Technical data

MG Series

Pressure Gauges

Glycerine Filled
0-600 Bar ranges
Dual Scale (Bar/PSI)

Features:
Accuracy:
EN837 - Class 1.6 to 2.5
DSMG B40 - 1 - Grade B

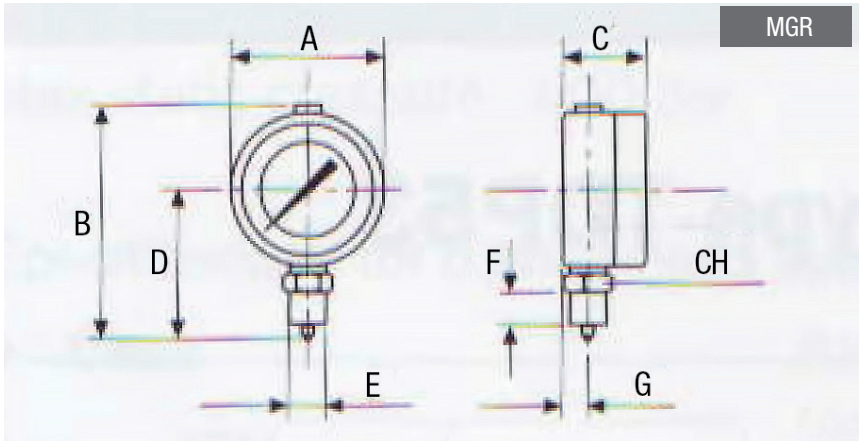
Sizes:
63mm (1/4" BSP)
100mm (1/2"BSP)

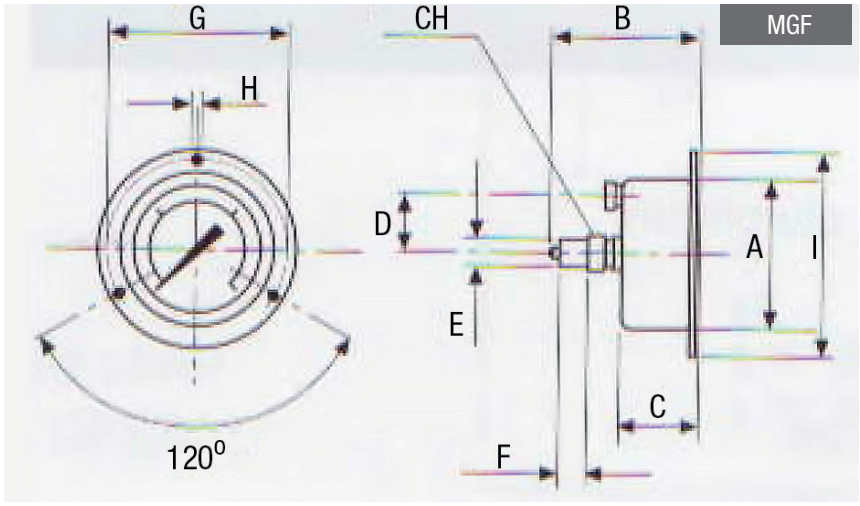
Operating Temperature:
±60ºC

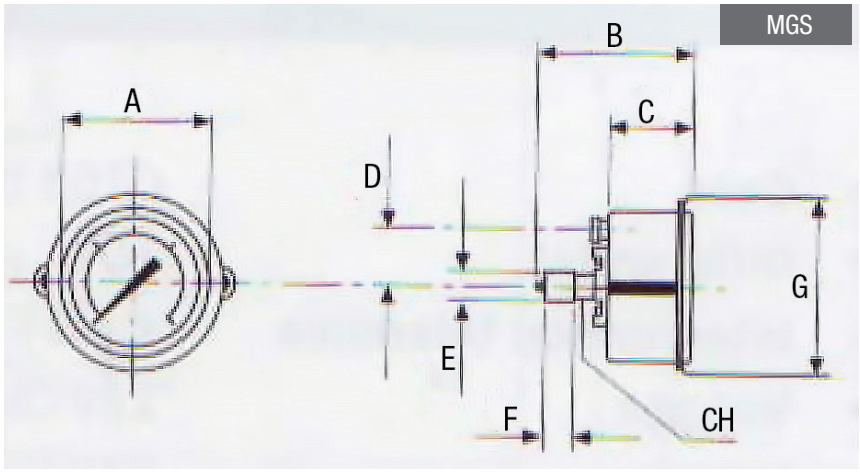
Materials:
Case: Stainless Steel - 304
Tube and connection: Stainless Steel - 304
Movement: Brass
Window: Glass

MG Series

Dimensions - MG63 Size





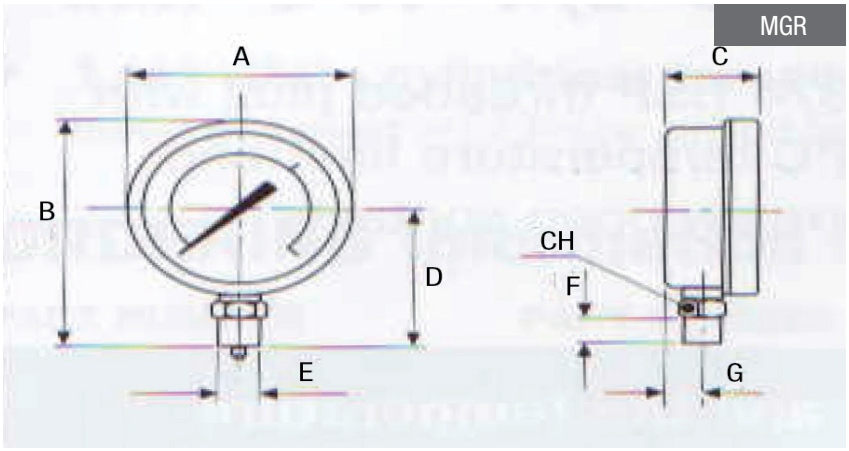


TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	CH mm	WEIGHT g
MGR 63	63	84.5	37	53	1/4"	12	12	-	-	14	300
MGF 63	63	58.5	69.5	24	` 1/4"	12	75	3.6	85	14	300
MGS 63	63	60	37	24	1/4"	12	68	-	-	14	300

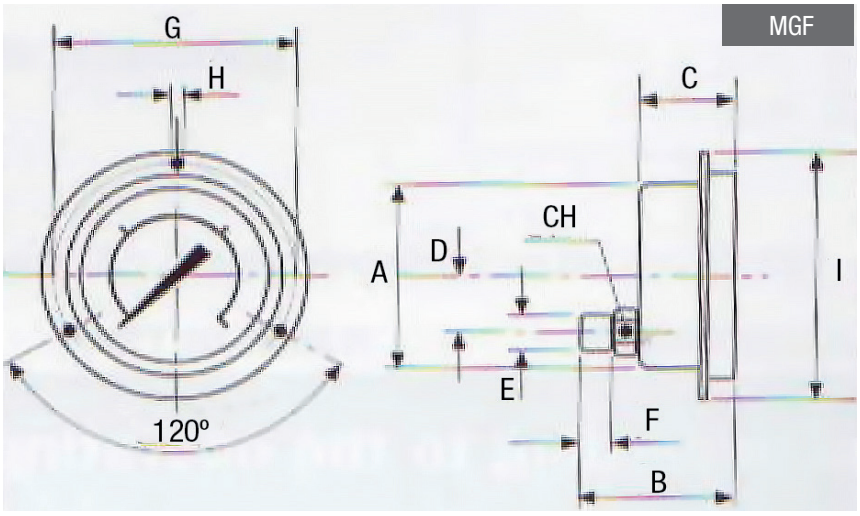
Technical data

Dimensions - Note: 100mm gauges- 60 bar and under are 3/8" BSP connection

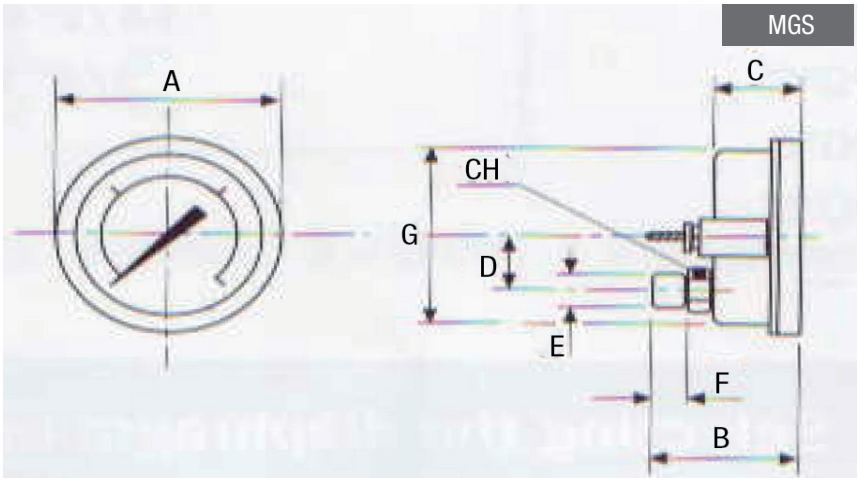
MGR



MGF

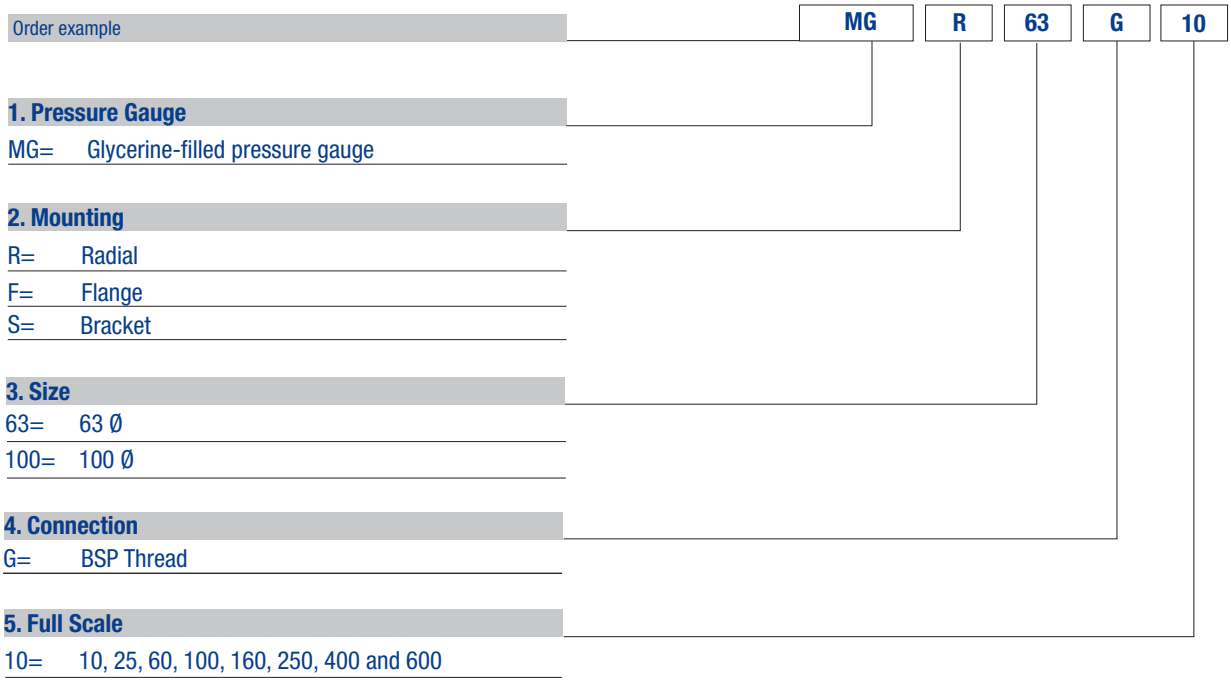


MGS



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	CH mm	WEIGHT g
MGR 100	100	137	49	87	1/2"	20	135	-	-	22	1200
MGF 100	100	75.5	49	30	`1/2"	20	116	4,8	132	22	1200
MGS 100	100	77	50	30	1/2"	20	100	-	-	22	1200

How to order


Order example
MG
R
63
G
10
1. Pressure Gauge
MG= Glycerine-filled pressure gauge
2. Mounting
R= Radial
F= Flange
S= Bracket
3. Size
63= 63 Ø
100= 100 Ø
4. Connection
G= BSP Thread
5. Full Scale
10= 10, 25, 60, 100, 160, 250, 400 and 600

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