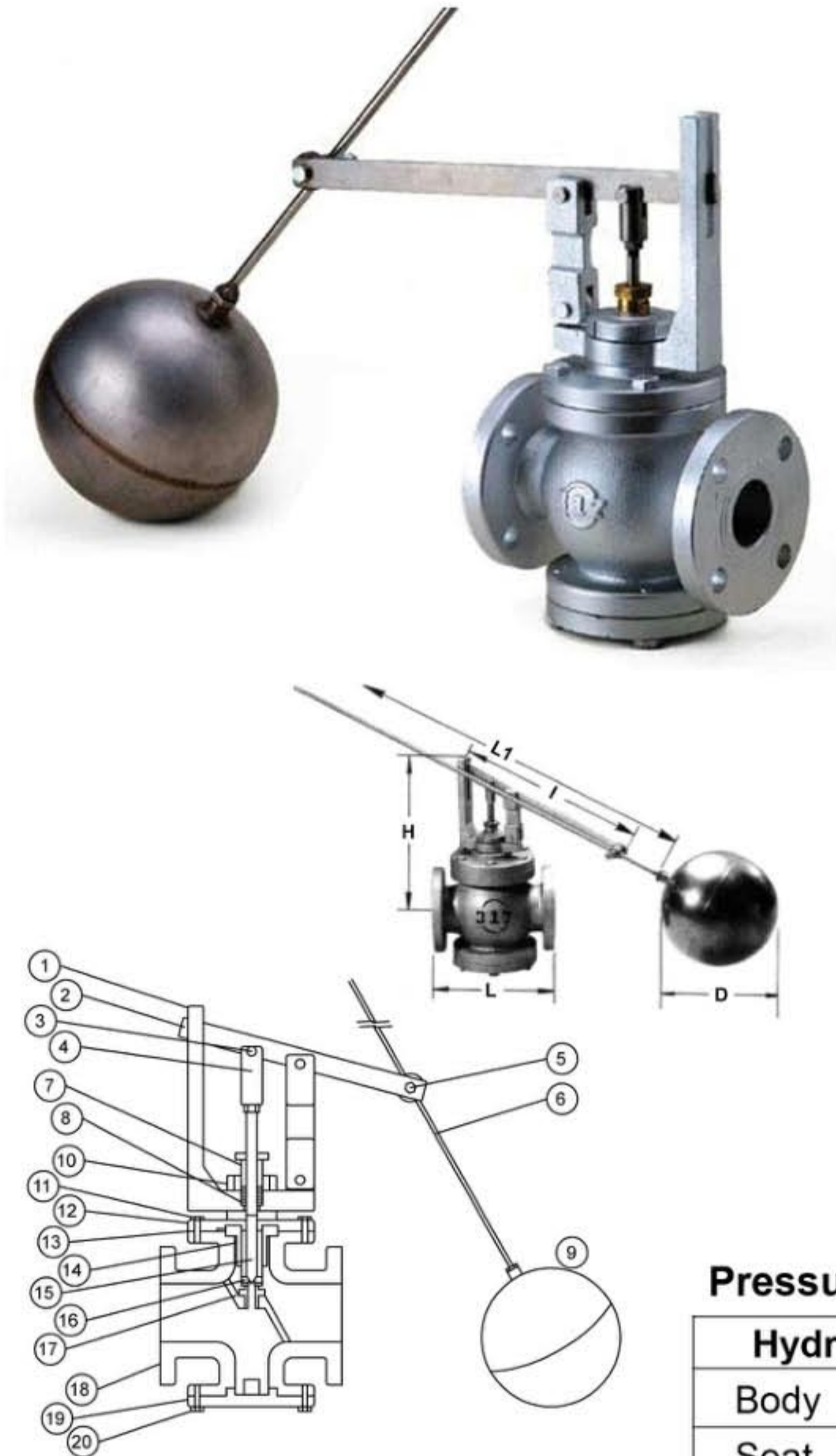


CAST IRON BALL FLOAT VALVE WITH ROD JIS10K FLANGED END



Technical Data

Material

No.	PART	MATERIAL
1	YOKE	FC 20
2	LEVER	SUS 304
3	PIN	SUS 304
4	JOINT	SUS 304
5	NUT	SUS 304
6	ROD	SUS 304
7	GLAND	BS 6
8	PACKING	TEFLON
9	BALL	SUS 304
10	YOKE LOCK	FC 20
11	BOLT	STEEL
12	COVER	FC 20
13	GLAND	SUS 304
14	PISTON	SUS 304
15	PLUG STEM	SUS 304
16	SEAT PACKING	NBR
17	SEAT	SUS 304
18	BODY	FC 20
19	COVER	FC 20
20	BOLT	STEEL

Pressure Test

Hydrostatic Test	
Body	10 kg/cm ²
Seat	7 kg/cm ²

Working Pressure

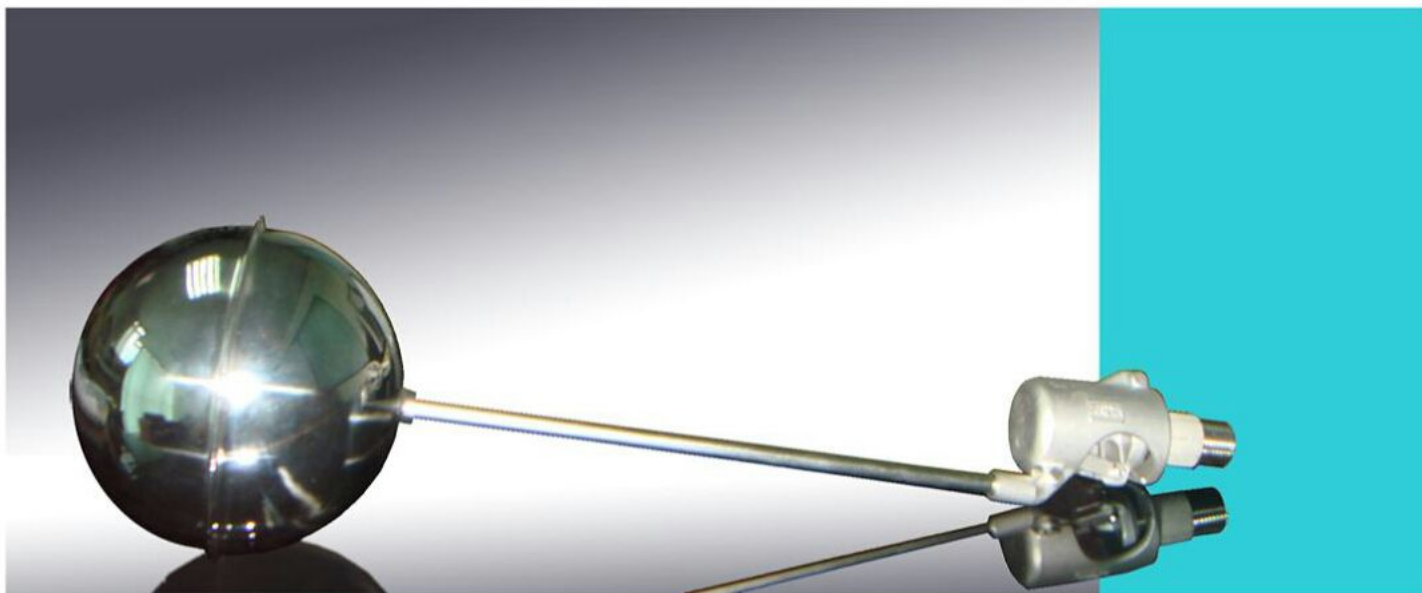
Water	0.5 ~ 10 kg/cm ²
-------	-----------------------------

Dimension in mm

SIZES	inch	1.1/2"	2"	2.1/2"	3"	4"	5"	6"	8"
	DN	40	50	65	80	100	125	150	200
L	End to End	200	215	230	250	280	308	380	440
H	Height	290	295	315	317	340	340	370	390
I	Lever	400	400	400	400	400	400	400	400
D	Ball Dia. (inch)	8	8	10	10	10	10	10	10
L1	Float Arm	600	600	1000	1000	1000	1000	1000	1000

Flanged End Acc. To JIS 10K Specification.

Stainless Steel Floating Ball Valve Screwed End



Application :

Water, sea water, diesel oil, HFO oil

Working pressure : 10 bar

Testing pressure : 15 bar

Features :

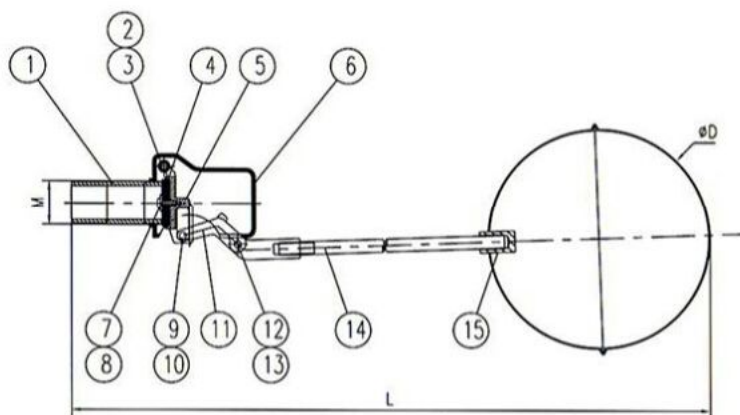
Pipe thread in accordance : BSPT

Screwed End

Investment casting body

Material : SS304 / ASTM A351Gr-CF8 /

DIN 1.4 308



Dimension (mm)

M	L	ØD	Ball Thickness	Wt.(KG)
1/2"	450	125	0.65 - 0.7	0.5
3/4"	460	125	0.65 - 0.7	0.7
1"	595	160	0.8	1.2
1.1/4"	600	160	0.8	1.3
1.1/2"	715	250	1.5	3.4
2"	820	250	1.5	4

Material

Item	Part	Qty	Material
1	connect tube	1	304
2	pin	1	304
3	hex nut	1	304
4	seat	1	silicone rubber
5	disc	1	304
6	body	1	304
7	nut	1	304
8	washer	1	304
9	bolt	1	304
10	nut	1	304
11	lever	1	304
12	pin	1	304
13	locklin	1	304
14	bar	1	304
15	float ball	1	304



A MEMBER OF UNIMECH GROUP, MALAYSIA

STAINLESS STEEL BALL FLOAT VALVE SCREWED END

Technical Data



Application :

Water, Sea water

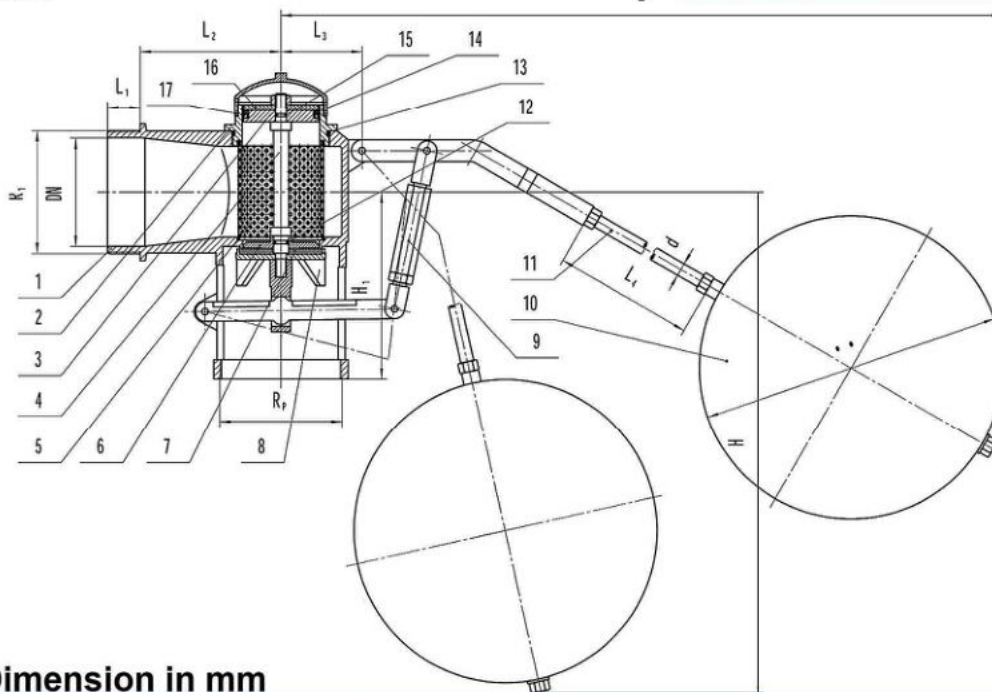
Working pressure : 10 bar

Testing pressure : 15 bar

Screw standard of R1 & Rp is according to BS21

Material

No.	PART	MATERIAL
1	BODY	SS 304
2	CYLINDER	SS 304
3	PISTON	SS 304
4	SPINDLE	SS 304
5	STRAINER	SS 304
6	WASHER	SS 304
7	SEAT RING	RUBBER
8	DISC GUIDE	SS 304
9	LEVERAGE	SS 304
10	BALL FLOAT	SS 304
11	LEVER	SS 304
12	O-RING	RUBBER
13	O-RING	RUBBER
14	PISTON RING	RUBBER
15	O-RING	RUBBER
16	PISTON	SS 304
17	CAP	SS 304



Dimension in mm

SIZES		L	L1	L2	L3	L4	d	H	H1	WT. (KG)
DN	in.									
65	2.1/2	705	28	90.5	52.5	560	8	640	120	4.6
75	3	1015	28	99	61.5	560	10	855	137	6.4
100	4	1040	30	130	75	560	10	970	172	11.6

The contents of this literature are for informative purposes only. Arita is not responsible for suitability or compatibility of these products in relation to system requirement. For specific requirements, consult Arita or its distributors. Arita reserves the right to change or modify product design without prior notice.

COMPRESSED AIR BALL FLOAT TRAPS FA 17/G

DESCRIPTION

FA 17/G is a fully automatic ball float trap extremely compact in dimension and light in weight, specially design for draining water from compressed air lines. Applications on aftercoolers, separators and compressed air mains. Connections are female screwed vertical.

MAIN FEATURES

Modulating discharge.
Unaffected by sudden or wide load and pressure changes.

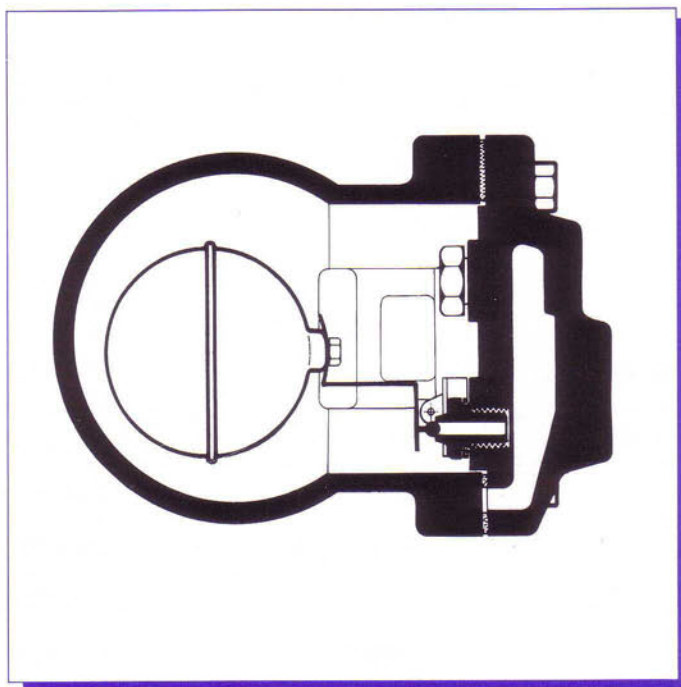
OPTIONS: Horizontal reversible inlet connections.
USE : Compressed air and non corrosive gas, compatible with the construction.

AVAILABLE
MODELS : FA 17/G
SIZES : 1/2" and 3/4".
CONNECTIONS: Female screwed ISO 7/1 Rp (BS21)
INSTALLATION: Vertical installation (horizontal as option).

PMA: Max.allowable pressure 16 bar
TMA: Max.allowable temperature 250 °C
PMO: Max.operating pressure 14 bar
TMO: Max.operating temperature 198 °C

Max.differential pressure

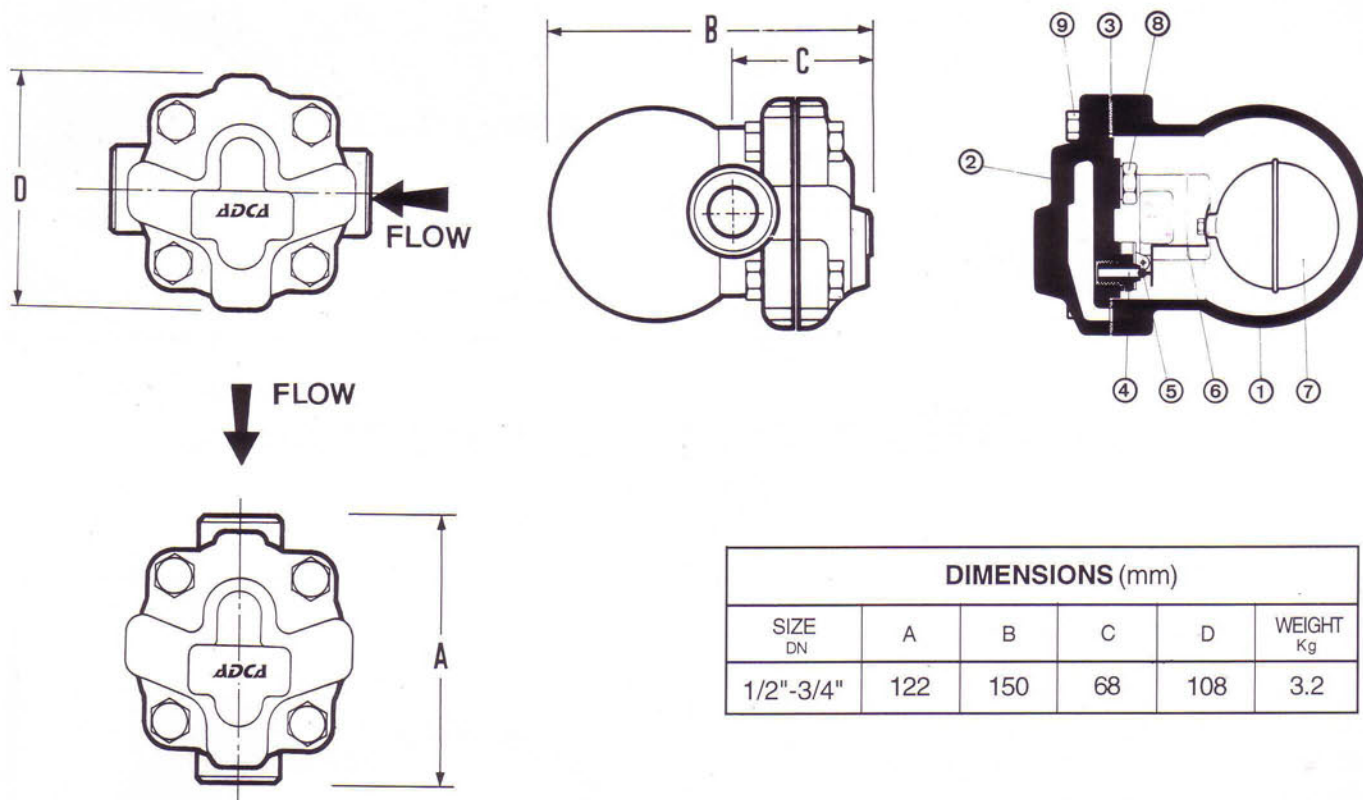
FA 17/G - 14 bar



How to order : i.e. FA 17/G DN 1/2" BSP

FLOW RATE CAPACITY IN Kg/h																
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		0,5	1	1,5	2	3	4	6	7	8	9	10	11	12	13	14
FA 17/G	1/2" - 3/4"	120	145	180	190	230	250	300	330	340	360	380	390	400	420	430

Recommended Safety factor = 1.2 - 1.5



DIMENSIONS (mm)					
SIZE DN	A	B	C	D	WEIGHT Kg
1/2"-3/4"	122	150	68	108	3.2

MATERIALS

POS. NR	DESIGNATION	MATERIAL	SPARE PARTS
1	BODY	GGG 40 (DIN 1693)	
2	COVER	GGG 40 (DIN 1693)	
3	GASKET	NON ASBESTOS FIBER	*
4	SEAT	STAINLESS STEEL	*
5	VALVE	STAINLESS STEEL	*
6	LEVER	AISI 304	*
7	FLOAT	AISI 304	*
8	PLUG	STAINLESS STEEL	
9	BOLTS	STEEL 8.8	

* AVAILABLE SPARE PARTS



DISTRIBUTER

FLOAT AND THERMOSTATIC STEAM TRAPS

FT16 (1" - DN25)

DESCRIPTION

FT 16 float and thermostatic steam traps series are designed for all types of low and medium pressure steam heating and process equipment. Connections are female screwed or flanged for horizontal installation.

MAIN FEATURES

Modulating discharge.
Discharges condensate at steam temperature.
Unaffected by sudden or wide load and pressure changes.
Excellent air discharge (by thermostatic air vent).

OPTIONS: Equalizing plug ,venting connection and drain plug
(or blow-off valve on body).
Stainless steel steam lock release.
USE : Saturated and superheated steam.

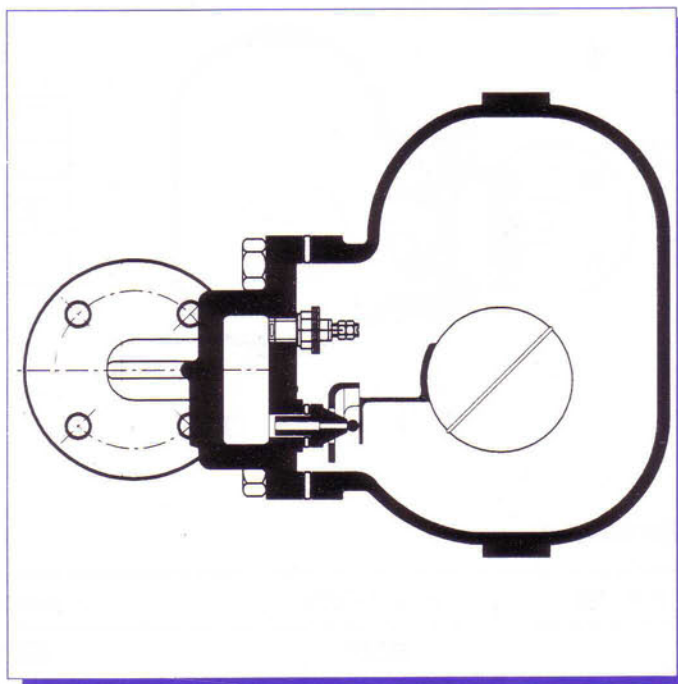
AVAILABLE

MODELS : FT 16-4.5 - FT 16-10 - FT 16-14

SIZES : 1" - DN25

CONNECTIONS: Female screwed ISO 7/1 Rp (BS21)
Flanged DIN.Special flanges upon request.

INSTALLATION: Horizontal installation .



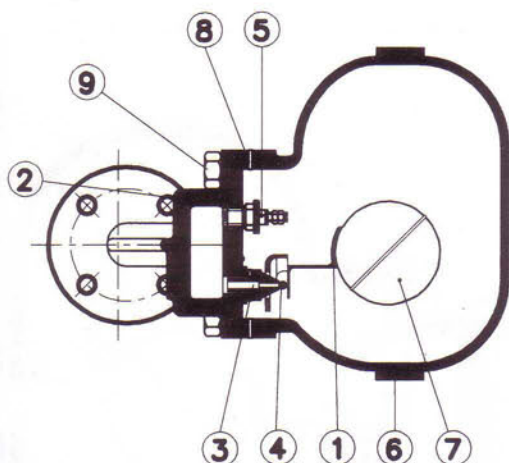
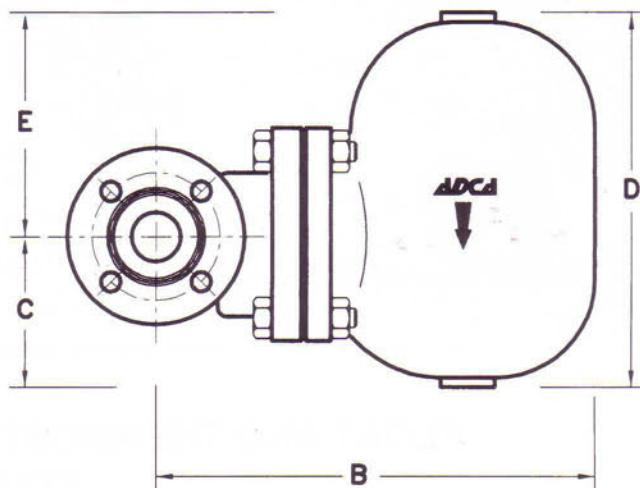
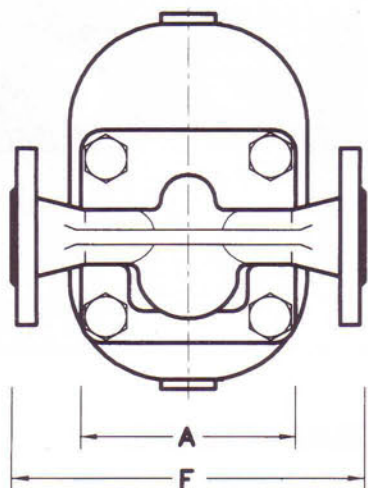
PMA: Max.allowable pressure 25 bar
TMA: Max.allowable temperature 300 °C
PMO: Max. operating pressure 14 bar
TMO: Max. operating temperature 198 °C

Max. differential pressure
FT 16 - 4.5 - 4.5 bar
FT 16 - 10 - 10 bar
FT 16 - 14 - 14 bar

How to order : i.e. FT 16-10 DN 1" BSP

FLOW RATE CAPACITY IN Kg/h														
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)												
		0,5	1	1,5	2	3	4	6	7	8	9	10	12	14
FT 16 - 4.5	1"	830	1200	1450	1700	2000	2400	-	-	-	-	-	-	-
FT 16 - 10	1"	390	550	675	790	900	1000	1200	1300	1400	1500	1590	-	-
FT 16 - 14	1"	250	350	430	500	590	680	800	850	900	950	1000	1100	1150

Recommended Safety factor = 1.2 - 1.5

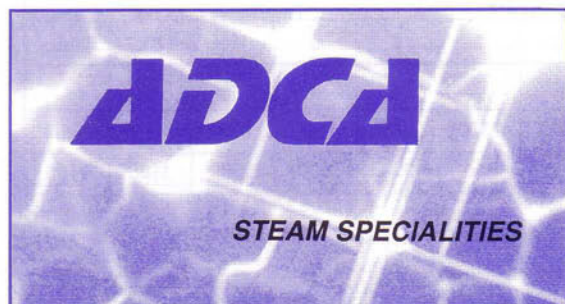


DIMENSIONS (m/m)									
SIZE DN	SCREWED ENDS						DIN FLANGES		
	A	B	C	D	E	WEIGHT Kg	F	B	WEIGHT Kg
1"	120	195	80	200	110	6,8	160	245	8,3

MATERIALS

POS. NR	DESIGNATION	MATERIAL	SPARE PARTS
1	BODY	GGG 40	
2	COVER	GGG 40	
3	GASKET	NON ASBESTOS FIBER	*
4	SEAT	STAINLESS STEEL	*
5	VALVE	STAINLESS STEEL	*
6	LEVER	AISI 304	*
7	FLOAT	AISI 304	*
8	AIR VENT	SPECIAL ST. STEEL	*
9	BOLTS	STEEL 8.8	

* AVAILABLE SPARE PARTS



DISTRIBUTER

FLOAT AND THERMOSTATIC STEAM TRAPS FT 16

DESCRIPTION

FT 16 float and thermostatic (integral air vent) steam traps series are designed for all types of low and medium pressure steam heating and process equipment. Typical applications include unit heaters, heat exchangers, driers, jacketed vessels and all the applications where continuous drainage is essential. Connections are female screwed or flanged for horizontal or vertical installation.

MAIN FEATURES

Modulating discharge.
Discharges condensate at steam temperature.
Unaffected by sudden or wide load and pressure changes.
Excellent air discharge (by thermostatic air vent).

OPTIONS: Equalizing plug, venting connection and drain plug (or blow-off valve on body).

USE : Stainless steel steam lock release.
Saturated and superheated steam.

AVAILABLE

MODELS : FT 16-4.5 - FT 16-10 - FT 16-14.

SIZES : 1/2", 3/4" - DN 15, DN 20.

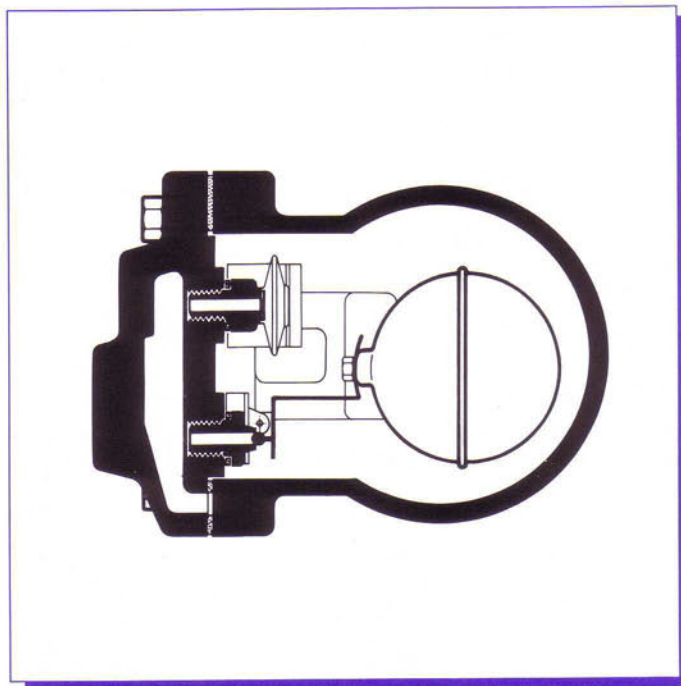
CONNECTIONS: Female screwed ISO 7/1 Rp (BS21)
Flanged DIN. Special flanges upon request.

INSTALLATION: Standard horizontal installation - flow from right to left FT 16 (R-L)
Upon request: - horizontal installation with the flow from left to right FT 16 (L-R)
- vertical installation with the flow from top to bottom FT 16 (V).

PMA: Max. allowable pressure 16 bar
TMA: Max. allowable temperature 250 °C
PMO: Max. operating pressure 14 bar
TMO: Max. operating temperature 198 °C

Max. differential pressure
FT 16 - 4.5 - 4.5 bar
FT 16 - 10 - 10 bar
FT 16 - 14 - 14 bar

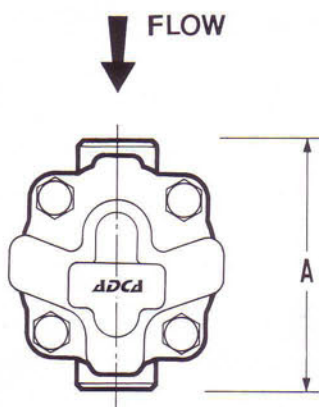
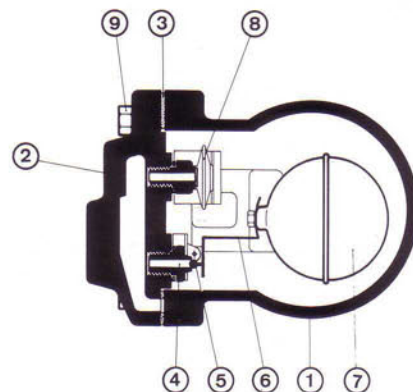
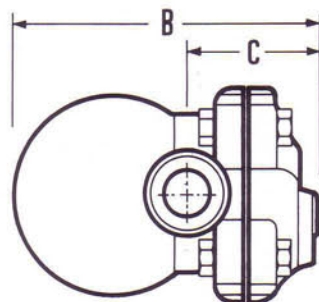
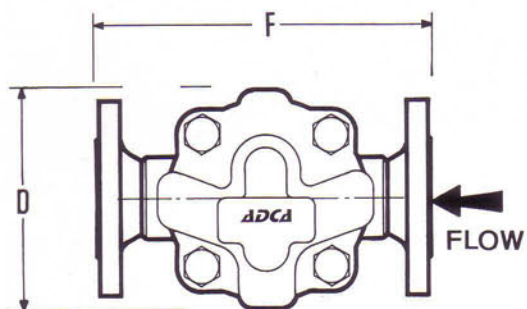
How to order : i.e. FT 16 - 10 DN 3/4" BSP



FLOW RATE CAPACITY IN Kg/h														
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)												
		0,5	1	1,5	2	3	4	6	7	8	9	10	12	14
FT 16 - 4.5	1/2" - 3/4"	200	280	320	350	400	455	-	-	-	-	-	-	-
FT 16 - 10	1/2" - 3/4"	110	140	175	190	230	280	300	330	350	390	405	-	-
FT 16 - 14	1/2" - 3/4"	70	90	120	120	150	170	200	220	220	230	260	270	290

Recommended Safety factor : continuous flow 1.2-1.5; discontinuous flow 2-3

WE RESERVE THE RIGHT TO CHANGE THE DESIGN AND MATERIAL OF THIS PRODUCT WITHOUT NOTICE.



DIMENSIONS (m/m)							
SCREWED ENDS						DIN FLANGES	
SIZE DN	A	B	C	D	WEIGHT Kg	F	WEIGHT Kg
1/2"-3/4"	122	150	68	108	3,2	150	4.2

MATERIALS

POS. NR	DESIGNATION	MATERIAL	SPARE PARTS
1	BODY	GGG 40	
2	COVER	GGG 40	
3	GASKET	NON ASBESTOS FIBER	*
4	SEAT	STAINLESS STEEL	*
5	VALVE	STAINLESS STEEL	*
6	LEVER	AISI 304	*
7	FLOAT	AISI 304	*
8	AIR VENT	STAINLESS STEEL	*
9	BOLTS	STEEL 8.8	

* AVAILABLE SPARE PARTS

ADCA

STEAM SPECIALITIES

DISTRIBUTER

OL series and SH10, Miniature Liquid Level Sensor

Simple and Low Cost Solution for Liquid Level Measurement

Product Overview



These miniature liquid sensors are designed for reliable operation in small tanks and containers. Their rugged design and careful engineering make them the perfect solution for OEM and build in sensor for mass-produced products.

These sensors contain hermetically sealed reed switch in the stem and a permanent magnet in the float. As the float rises or falls with the level of liquid, the reed switch is activated by the magnet in the float. The operation of the switch, normally open or normally close, is easily changed by inverting the float.

Model OLV-2P, OLV-2F, OLV-5 and OLH-3 are certified in conformity with standard of Food, Additives, etc. by Japan Food Research Laboratories, authorized by the Japan Ministry of Health and Welfare.

Some of sensors conform to RoHS directive. Six materials such as Lead, Mercury, Hexavalent Chromium, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers, and Cadmium are not contained.

Features

- **Compact, Low cost, Variety of standard products**

Many types of standard products by compact size and low cost are suitable for diversified liquid detection.

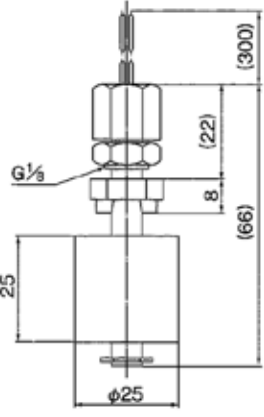
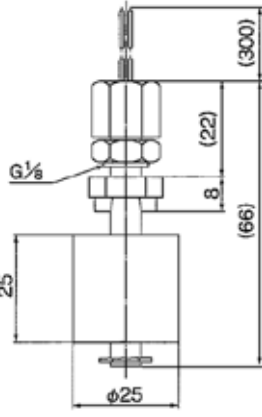
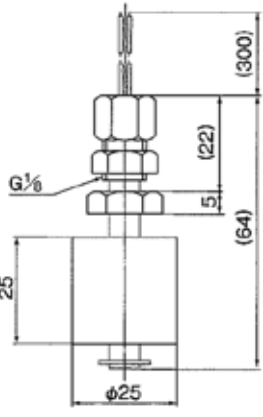
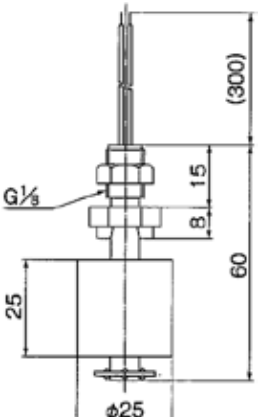
- **Not affected by the condition inside of tank**

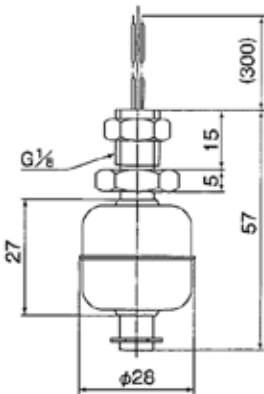
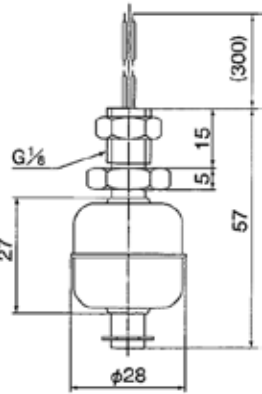
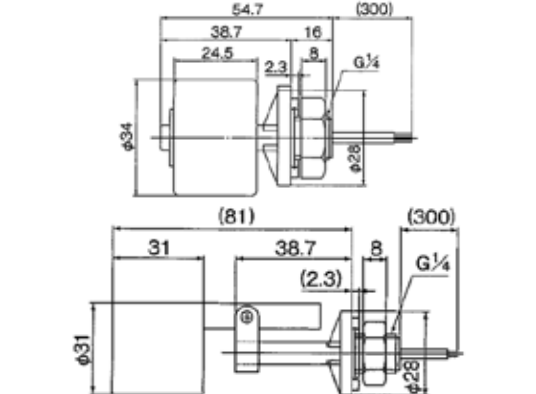
These sensors are not affected by the condition inside of tank as temperature and pressure change, capacitance and conductivity of liquid, and etc.

- **Perfect solution for built-in sensor of mass-produced products**

Many of standard products can make the sensor to fit the requested specification for built-in sensor of mass-produced products. The combination of sensor body and float can be selected to fit your application.

Specification

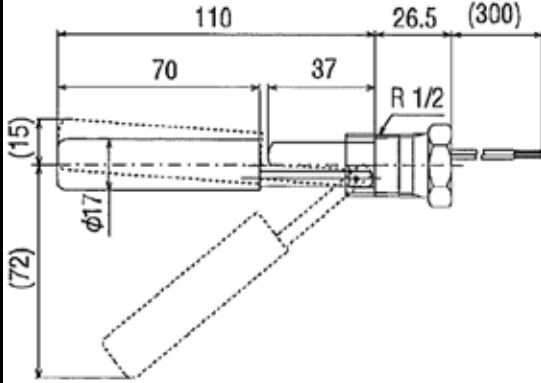
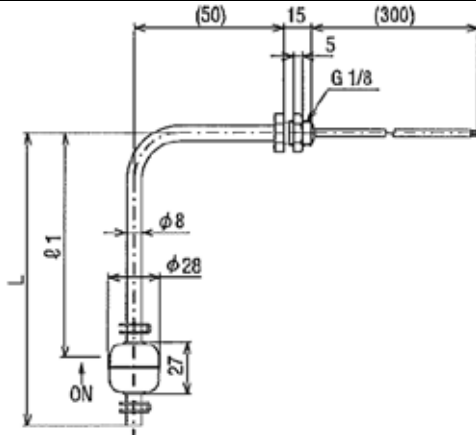
Model		OLV-2A	OLV-2P	OLV-2B	OLV-2F
Approval		CE, RoHS, NK	CE, RoHS, NK	CE, RoHS, NK	CE, RoHS, NK
Drawing					
Material	Stem	Polyacetal	PP	Brass (Nickel Plating)	PVDF
	Float	BUNA	Foamed PP	BUNA	PVDF
	Retainer	316SS	PP	316SS	PVDF
Operating Temperature		-10 to 90°C		-10 100°C	
Maximum Pressure		1 MPa			2 MPa
Mounting Type		Vertical			
Switch Rating		50VA, 0.5A, 300V AC			
Lead Wire		UL1430 AWG 22, 300mm or 1000mm			
Minimum SG		0.6	0.85	0.9	0.8

Model		OLV-5	OLV-5UN	OLH-3, OLH-10
Approval		CE, RoHS, NK	UL	CE, RoHS
Drawing				
Material	Stem	316SS		PP *1
	Float	316LSS		PP *2
	Retainer	316SS		PP
Operating Temperature		-10 to 100°C		-10 90°C
Maximum Pressure		2 MPa		1 MPa
Mounting Type		Vertical		Horizontal
Switch Rating		50VA, 0.5A, 300V AC		
Lead Wire		UL1430 AWG22	UL3266 AWG22	UL1430 AWG22
Minimum SG		0.8		0.8

*1 The special material of PPS is available for Model OLH-11.

*2 Magnet is exposed and in direct contact with liquids for OLH-3, but not for OLH-10.

Specifications

Model		SH10	OLV25S/90
Approval		CE, RoHS	RoHS
Drawing			
Material	Stem	316SS	304SS
	Float	316LSS	316LSS
	Retainer	316SS	304SS
Operating Temperature		-10 to 120°C	-10 to 100°C
Maximum Pressure		1 MPa	2 MPa
Mounting Type		Horizontal	
Switch Rating		50VA, 0.5A, 300V AC	
Lead Wire		UL1430 AWG22	
Minimum SG		0.6	0.8

Technical notes

- 1 The sealing compound over the lead wire egress prevents moisture penetration , but is insufficient to prevent water penetration. Please apply suitable sealant to protect against water penetration.
- 2 If there is surface wave motion, use a timer relay to dampen the switch action.
- 3 The level sensor should be located away from strong magnetic fields generated by motors, solenoid valves, etc.
- 4 To protect the reed switch from electrical surge, Model RE7000 relay unit is an ideal solution.

Model RE7000



Features

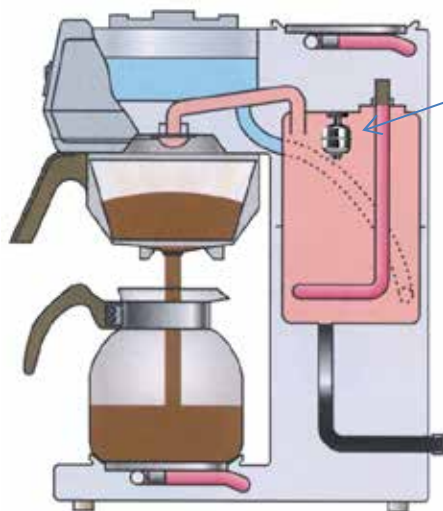
- Low cost relay for convert large loads and alternating pumps
- Power source for level sensor of 8V 5mA AC Max.
- Separation distance between sensor and relay is 1km Max.

Main Specifications

Supply Power	90 to 132 / 180 to 264V AC, 50/60Hz
Power Consumption	Approx. 1.5VA Max.
Relay Contact	1 SPDT, 240V 5A AC, 30V 5A DC (Resistive)
Operating Resistance	4k Ω or less
Release Resistance	15k Ω or more
Operating Temperature	0 to 50 °C
Operating Humidity	85%RH Max.

● Coffee Maker

OLV-5T has been supplied to coffee maker manufacturer. This sensor is ideal for controlling the hot water level of the inner storage tank.



OLV-5T is installed at the top of water heating tank to prevent overflow.

Main Specifications

- The material of wetted parts are 316SS and 316LSS.
- The surface of stem is equivalent with #320 buffing, and the float is electric polished.
- The operating temperature is 120 °C Max.

● Electrolyzed Water Produce Machine

The special sensor of OLH-11 has been supplied to the manufacturer of Electrolyzed Water Produce Machine. This sensor is especially designed to the application of strong alkaline water and acid electrolyzed water, which the material of PP can not withstood in this application.



Main specification

- The wetted parts of sensor is PPS.
- Operating temperature is 100 °C Max.
- Maximum pressure is 1MPa.

What is PPS (Poly Phenylene Sulfide Resin)?

PPS is a high temperature semi-crystalline material, which has good mechanical properties and excellent chemical resistance at elevated temperature. Heat resistance is 240°C in normal condition and 350°C in short duration.

NOHKEN INC.

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