

FLOAT TYPE LIQUID LEVEL CONTROLS

SLS SERIES SLS-1: One Float Point; DIN43650 (PG9)
SLS-2: Two Float Points; Universal Connector SV-1 (M20 x 1.5)

– Quality Products – Vertical Mounted

Technical Data

Connection Thread & Wetted Parts Material: Guide tube: SS316; Float: P.P, PVDF, or SS316

Connection Type: Sanitary (ISO2852 or DIN32676), PT, NPT, BSP; option available

Connection Size: 1" for max. \varnothing 26mm float; 1¼" for max. \varnothing 28mm float;
1½" for max. \varnothing 40mm float; 2" for max. \varnothing 49mm float

Limited Working Pressure: please refer to the float specification

Limited Working Temperature: please refer to the float specification

Switch Mode: SPDT

Setting Point: One float point or Two float points

Switch Rating:

Item Code	15	36
Contact Form	C (SPDT)	C (SPDT)
Switching Capacity Max.	60 WVA	20 WVA
Switching Voltage Max.	250V AC/DC	150V AC/DC
Switching Current Max.	1A	1A
Carrying Current Max.	2A	2A
Working Temperature	-20°C ~ +130°C	-20°C ~ +130°C
Suitable Float Size	float size \geq \varnothing 49 available Except \varnothing 49: 1 setting point only	all float size available

Housing Model:

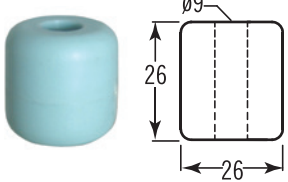
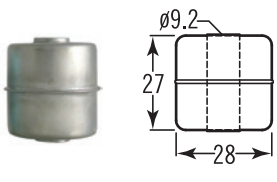
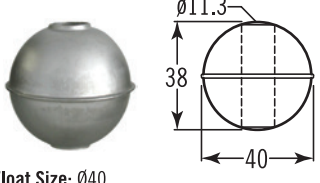
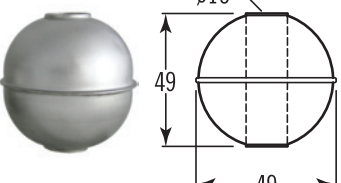
• DIN 43650 •

- According to EN 175301-803 for 3 poles
- For using One float point only
- IP65 (EN 60529)
- Cable Gland: PG9
- Suitable for connection size 1" to 2"

• SV-1 (Universal Connector) •

- According to EN 175201-804 for 6 poles
- For using Two float point only
- IP65 (IEC 529)
- Cable Gland: M20 x 1.5
- Suitable for connection size 1¼" to 2"

Float Specification

\varnothing 26x26mm (P.P)	\varnothing 28x27mm (SUS316)
 <p>Float Size: \varnothing26 Max. Working Pressure: 3 kg/cm² Working S.G.: \geq0.7 The Guide Tube Size: \varnothing8 Material: P.P Limited Operating Temperature: 0~60°C</p>	 <p>Float Size: \varnothing28 Max. Working Pressure: 15 kg/cm² Working S.G.: \geq0.8 The Guide Tube Size: \varnothing8 Material: SUS316 Limited Operating Temperature: -20~140°C</p>
\varnothing 40x38mm (SUS316)	\varnothing 49x49mm (SUS316)
 <p>Float Size: \varnothing40 Max. Working Pressure: 30 kg/cm² Working S.G.: \geq0.8 The Guide Tube Size: \varnothing9.5 Material: SUS316 Limited Operating Temperature: -20~140°C</p>	 <p>Float Size: \varnothing49 Max. Working Pressure: 30 kg/cm² Working S.G.: \geq0.68 The Guide Tube Size: \varnothing12 Material: SUS316 Limited Operating Temperature: -20~140°C</p>

Approvals:



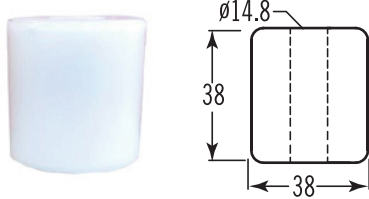
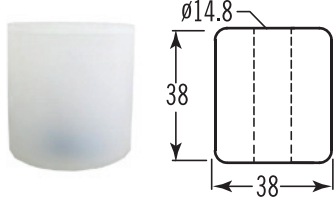
Switches with Intertek Test Report, refer to UL508 Standard.



Thread connection Type

Sanitary Connection Type

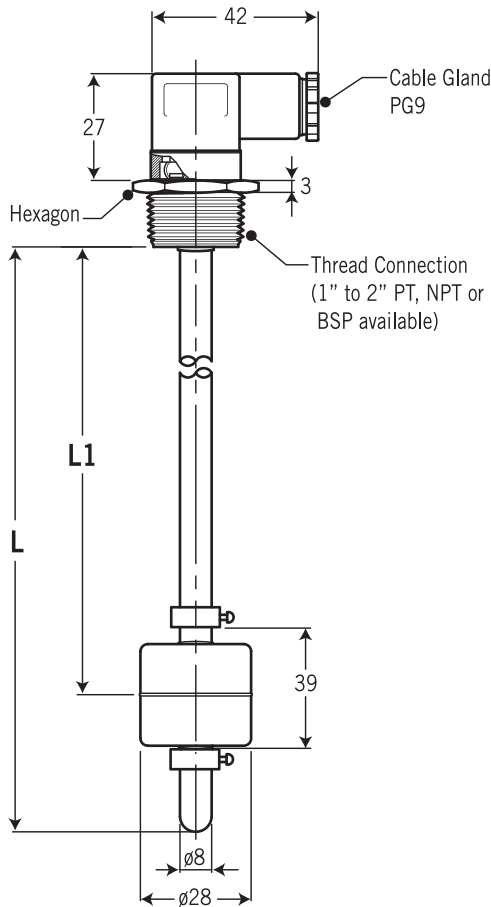
Float Specification

ø 38x38mm (P.P)	ø 38x38mm (PVDF)
 <p> Float Size: ø38 Max. Working Pressure: 3 kg/cm² Working S.G.: ≥0.7 The Guide Tube Size: ø12 Material: P.P Limited Operating Temperature: 0~60°C </p>	 <p> Float Size: ø38 Max. Working Pressure: 5 kg/cm² Working S.G.: ≥0.7 The Guide Tube Size: ø12 Material: PVDF Limited Operating Temperature: 0~120°C </p>

Dimensions-mm

Model: SLS-1A (Thread Type)

- **Housing:** DIN 43650
- **Cable Gland:** PG9
- **Switch:** SPDT x 1 (3 poles)
- **L1=** Please specific by customer; (L= max. 2 Meters)

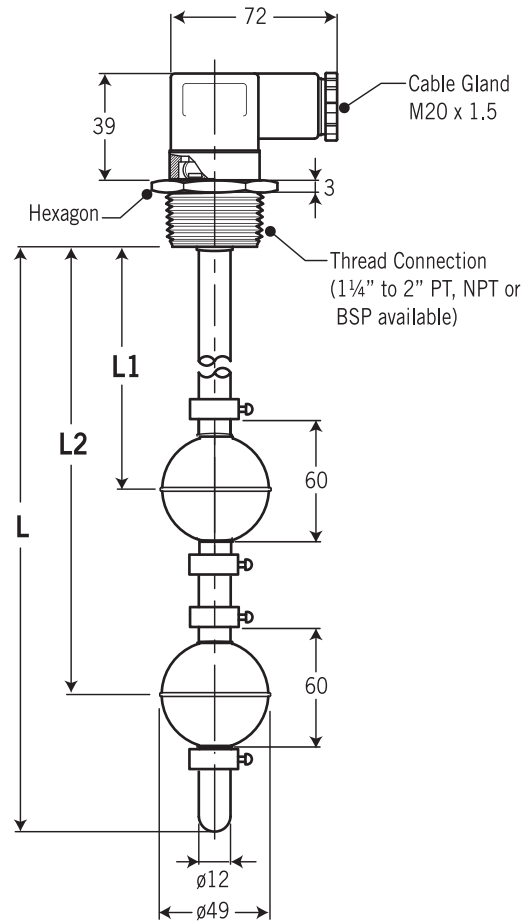


NOTICE:

Thread Connection Size / Max. Float Size
 1" / max. ø26mm float
 1¼" / max. ø28mm float
 1½" / max. ø40mm float
 2" / max. ø49mm float

Model: SLS-2A (Thread Type)

- **Housing:** SV-1 (Universal Connector)
- **Cable Gland:** M20 x 1.5
- **Switch:** SPDT x 2 (6 poles)
- **L1 & L2=** Please specific by customer; (L= max. 2 Meters)



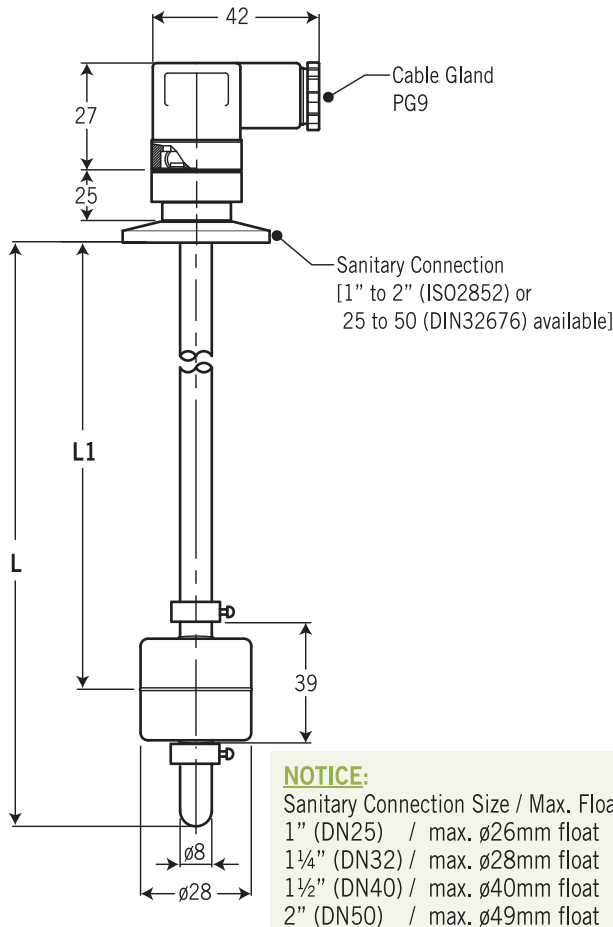
NOTICE:

Thread Connection Size / Max. Float Size
 1¼" / max. ø28mm float
 1½" / max. ø40mm float
 2" / max. ø49mm float

Dimensions-mm

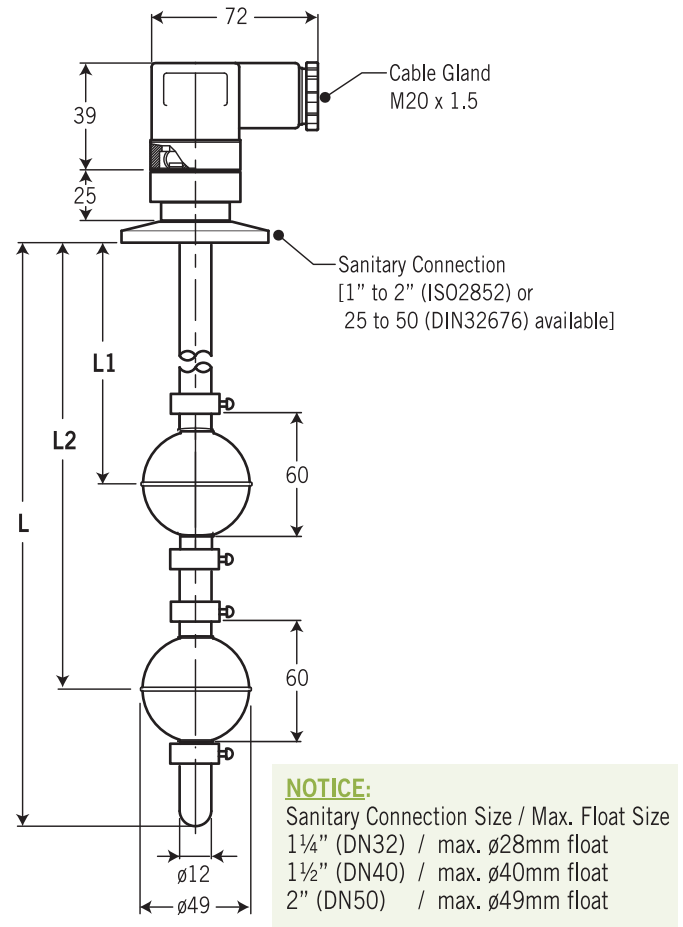
Model: SLS-1B (Sanitary Type)

- **Housing:** DIN 43650
- **Cable Gland:** PG9
- **Switch:** SPDT x 1 (3 poles)
- **L1=** Please specific by customer; (L= max. 2 Meters)



Model: SLS-2B (Sanitary Type)

- **Housing:** SV-1 (Universal Connector)
- **Cable Gland:** M20 x 1.5
- **Switch:** SPDT x 2 (6 poles)
- **L1 & L2=** Please specific by customer; (L= max. 2 Meters)



Ordering Information

SLS	Code	Model / Switch Point / Housing / Cable Gland
	1A	Thread Type / One Float Point / DIN 43650 / PG9
	1B	Sanitary Type / One Float Point / DIN 43650 / PG9
	2A	Thread Type / Two Float Points / SV-1 (Universal Connector) / M20 x 1.5
	2B	Sanitary Type / Two Float Points / SV-1 (Universal Connector) / M20 x 1.5
	Code	Process Connection Size + Float Size/Material
	1	1" (DN25) + (A)
	2	1¼" (DN32) + (A) or (B)
	3	1½" (DN40) + (A) or (B) or (C) or (E) or (F)
	4	2" (DN50) + (A) or (B) or (C) or (D) or (E) or (F)
	Code	Process Connection Type
	A	NPT
	B	BSP
	C	Sanitary (ISO2852)
	D	Sanitary (DIN32676)
	Code	Contact Form (*please refer to the switch rating to consider about the suitable float size*)
	(1)	SPDT (250V AC/DC)
	(2)	SPDT (150V AC/DC)
	Code	Total Insertion Length
	L=	_____mm
	Code	Setting Point & Switch ACTing Functions
		Please fill in the requested length and float rised ↑ON or fall down ↓ON. L1=_____mm L2=_____mm
SLS	2A	2(B)
	A	1
	200	120
Complete Ordering Code		