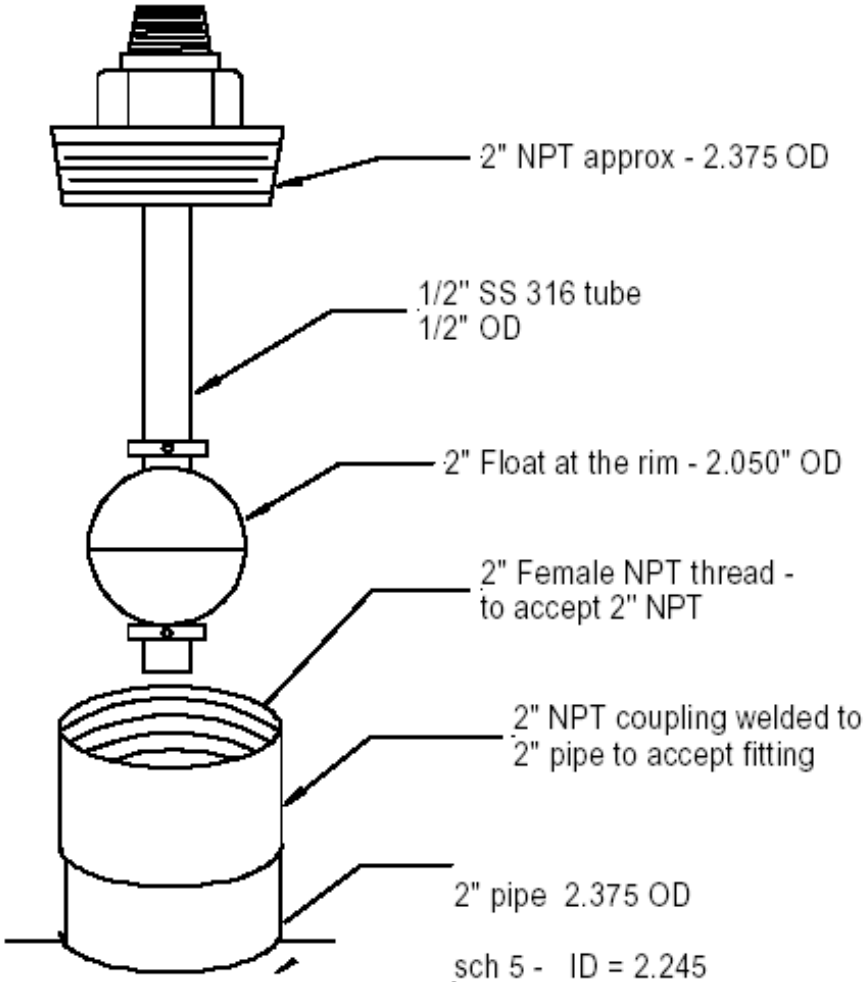
Level Switch Fits a 2" NPT Coupling



Aysix Technologies, 2595 Dunwin Drive, Unit # 2, Mississauga, On, L5L 3N9
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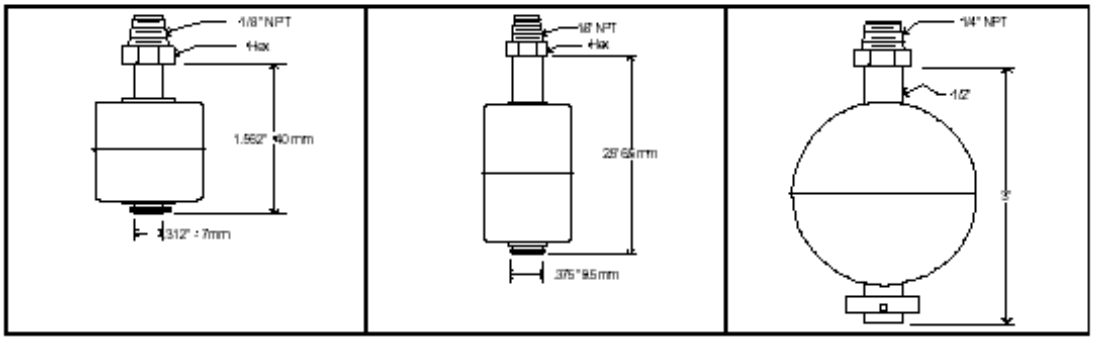
Single Activation - Float Level Switches

Used for High or Low Level Alarm applications

- ✓ Small, Medium or Large sizes
- ✓ Install in top or bottom of a tank
- ✓ Variety of stem and float material combinations
- ✓ 1/8" or ¼ NPT connection
- ✓ High resistance to vibration and shock
- ✓ Switch state easily changed from N/O to N/C
- ✓ 100% of our switches are tested before shipping
- ✓ Stainless Steel floats are pressure tested and weighed
- ✓ Explosion Proof model available
- ✓ Custom controls available for all our switches
- ✓ Powerful 240 Volt AC/DC @ 0.5 amps resistive – carry 2

Small Size





Small Size — Part Number

Probe Material	SS Float	Buna Float	PP Float	Kynar Float	Titanium Float
Stainless Steel	SVS12	SVB12	SVP12	SVK12	
Brass	BVS12	BVB12	BVP12	BVK12	
Polypropylene	PVS12	PVB12	PVP12	PVK12	
Kynar (PVDF)				KVK12	

Medium Size — Part Number

Probe Material	SS Float	Buna Float	PP Float	Kynar Float	Titanium Float
Stainless Steel	SVS12	SVB12	SVP12	SVK12	
Brass	BVS12	BVB12	BVP 12	BVK12	

Large Size — Part Number

Probe Material	SS Float	Buna Float	PP Float	Kynar Float	Titanium Float
Stainless Steel	SXS25	SXB25	SXP25	SXK25	
Brass	BXS25	BXB25	BXP25	BXK25	
Polypropylene	PXS25	PXB25	PXB25	PXK25	(pvc float) PKP25
Kynar (PVDF)				KXK25	
Titanium					TXT25

Floats — Operating Range

	PSI	Temperature	Sp. Gr.	Weight	
316 Stainless Steel	500 psi	- 40 to 300 F	Std. is – 0.72	7.6 g	
Closed Cell Buna	200 psi	- 40 to 225 F oil	0.47	5.42 g	
PVC	100 psi	100 F	0.7	6.5 g	
Kynar (PVDF)	100 psi	100 F	0.7	6.5 g	
Polypropylene	100 psi	100 F	6.5	6.5 g	
Titanium	300 psi	300 F	0.55	light	

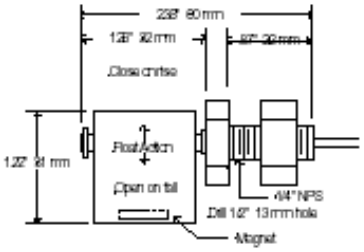
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Small Side Installation - Float Level Switches

The little stubby can be rotated 180 degrees to change state allowing for NO or N/C positions. Great cost effective dependable product.
Vertical float action

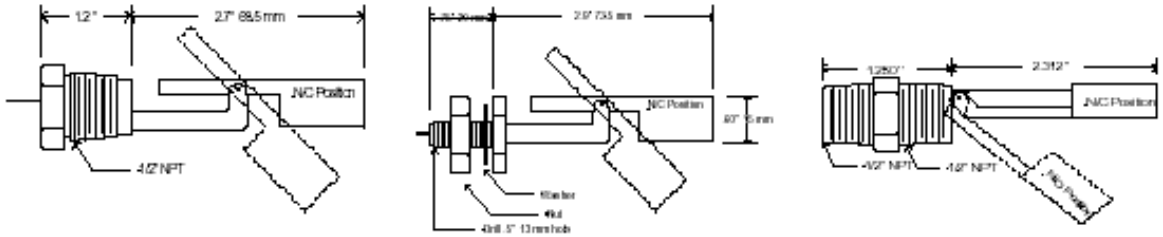
- ✓ Material – Polypropylene
- ✓ Temperature Range - 40 to 100 deg. F
- ✓ Pressure – 75 psi
- ✓ Sp. Gr. 0.80
- ✓ Switch – 240 VAC/DC @ 0.5 A resistive

SX80



Hinged Float Action

Install the hinged model thru the tank wall in either N/O or N/C position. The SX series is ideal for quick installation at selected points. Two can be used for high / low control or install several for low cost tank level indication. Works with the latching relay and other control products. A magnet located in the swing arm activates a reed switch (240 VAC / DC @ 0.5 amps resistive) in the main body. Drill a ½ or 13 mm hole for the bulkhead models or ½ NPT for the fitting type. Switch – 250 VAC/DC 0.5A resistive carry 2

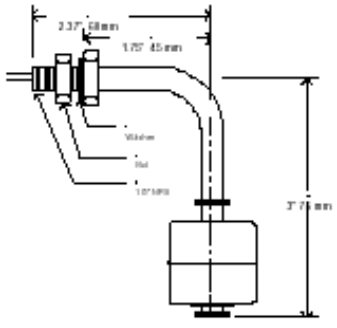


Connection	Polypropylene	Kynar	Nylon	Stainless	
½ NPT	SX500		SX502	SX600	Pictures on first page
Bulkhead	SX300		SX302		
½ NPT X ½ NPT	SX200	SX201		SX601	
Temperature	- 10 to 80 C	100 C	- 10 to 110 C	- 40 TO 148 C	
Pressure	100 psi	100 psi	100 psi	200 psi	
Specific Gravity	0.55	0.65	0.65	0.80	

90 degree Design

Good looks and a smart design make this rugged model ideal for OEM or one-shot applications. The activation can be selected on location by simply reversing the float. Installs in the side of a vessel with simplicity being the key. Simply drill a 25/64" or 10mm hole or 1/8" NPS thread and install.

Max pressure	275 psi
Temperature SS / SS	- 40 to 150 deg. C
SS / Buna in oil	- 40 to 110 deg. C
SS / Buna in Water	- 40 to 90 deg. C
Specific Gravity SS / (Buna)	0.80 (0.50)
Switch	250 VAC / DC 0.5A



SX100

The above designs are a result of custom requests. We have tried to develop some standard products for easy ordering and cross-reference. If nothing fits – we do offer many other process connections and sizes. Dimensions and specifications can change without notice. Drawings not to scale.

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Level Switch – Single Point Heavy Duty Construction

The original extra large ATB3 is designed for rugged conditions indicating high or low level applications. Construction consists of the standard high-end reed switch with either buna or stainless steel floats. The hex is extra long for quick wrench tightening. As with the small size - the entire probe is fully potted to prevent moisture from entering the assembly in most cases.

Standard models can take abuse – but we still have demand for the ¼ NPT connection in small size probes.

Three stop options are available depending on the application: 1 – standard gripping clip 2 – 5/8" locking cup point set screw collar 3 – stainless spring pin. (Switch state is not field adjustable with pin)

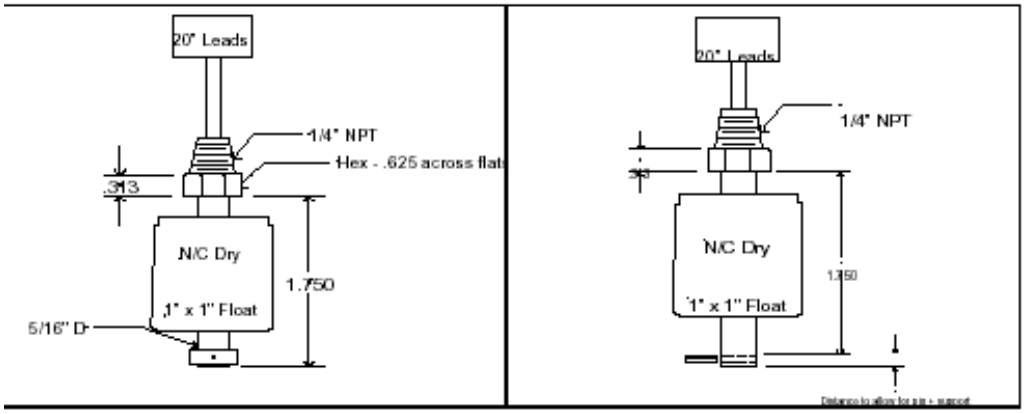
The Buna is a true closed cell foam and can be drilled or cut and will not take on moisture. The sp.gr. of the float remains constant – because it does not take on moisture or swell.

Connection	Lead length	Temperature	Probe Material	Pressure / Sp. Gr.	Rating
¼ NPT	20" standard any length option within reason	Buna -40 to 225 deg. Oil Stainless Float 300 deg. F	Brass	Buna 200 psi 0.47 Stainless Float 500 psi 0.72	250 VAC/DC 0.5 amps resistive carry 2

Part Number Brass / Buna	Part Number Brass / Stainless	Optional Lead Length
ATB3	ATS3	Part Number – lead length in inches E.G. ATB3 – 48 is Brass / Buna 48" leads

Above part numbers are with standard gripping rings

AT Series c/w Collar	AT Series c/w Pin	With pin series – indicate N/O or N/C dry position
Add suffix - C	Add Suffix – C – N/__	Add the suffix after the lead length option if any





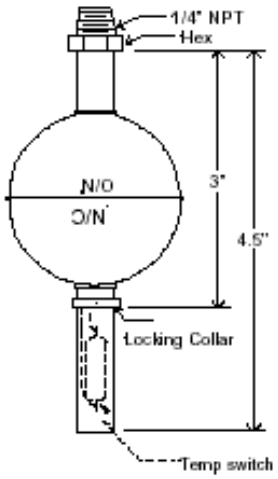
Standard ATB3 shown with gripping ring

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Temperature plus Single Point Level Switch (TLI)

Brass / Buna model shown – Stainless model available on request

- Two indcators in one using one installation
- Temperature control can control or shut down expensive or signal process systems when temperature parameters are exceeded
- Level indication will signal high or low level
- Either switch can be normally open or closed
- The temperature switch is located in the probe bottom.
- The probe is shown in it's basic form but can be modified to meet customer demands
- Standard units are available from 0 to 115 deg. C in five-degree increments.



The level portion works by a magnet-equipped float passing over a reed switch. The float position can either closed or open depending on the mode. The temperature switch is very unique. An encapsulated reed / magnet assembly makes up the switch. The magnet is factory set to change its magnetic lines of flux as the temperature increases. When the preset temperature is reached – the lines of force are sufficient to activate the sensor.

Part Number: TLI – (XXX) - B - A
- Temperature setting Form - Float State

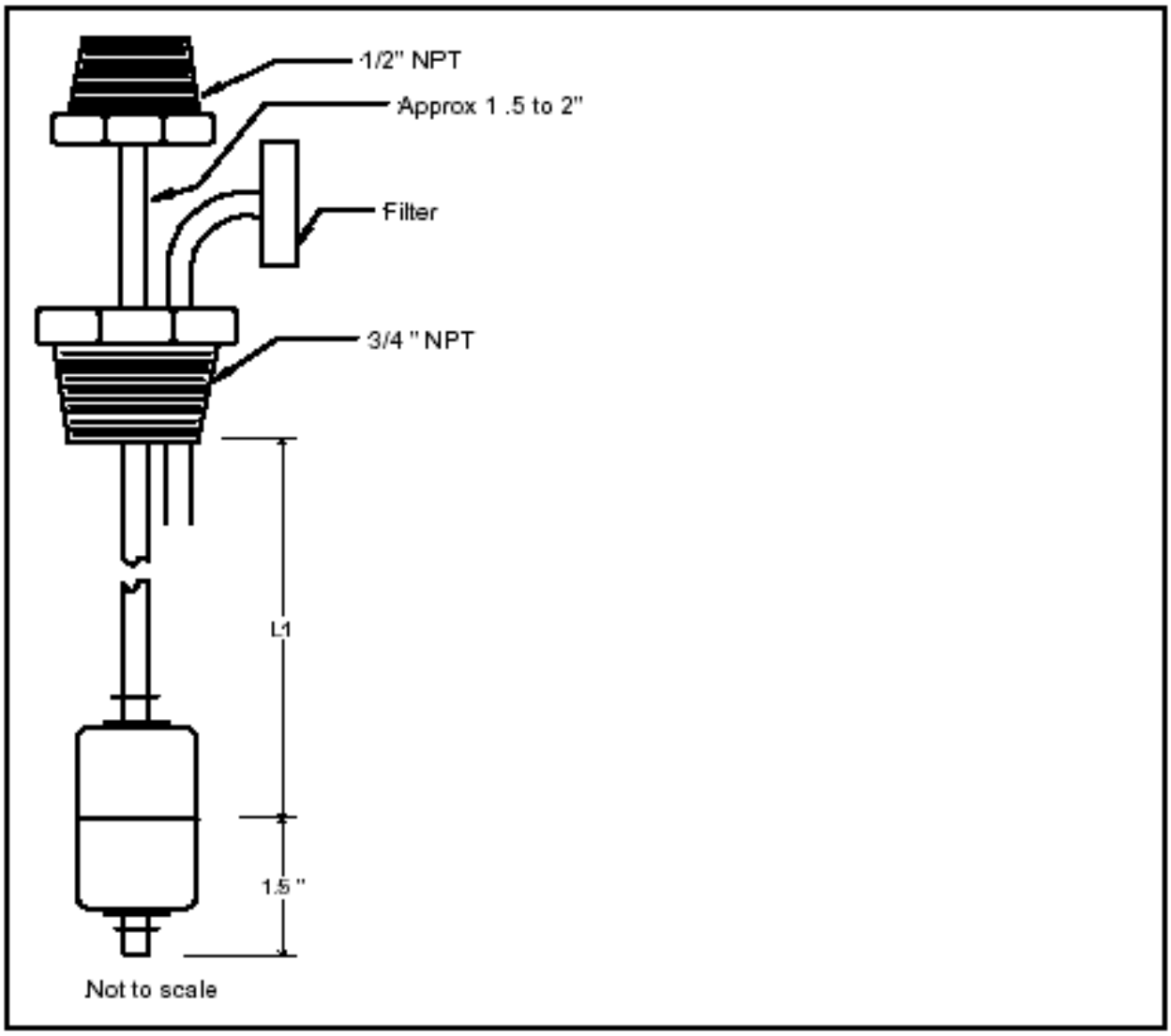
e.g. TLI –55 – B – A - Switch set a 55 deg. C N/C – float is normally open dry - close on rise

Reed State N/C = **B** close on fall N/O = **A** open on fall
Temperature State N/C = **B** N/O = **A**

Temperature Contact Rating	10 W max. 12 V.A.
Temperature Voltage	100 VDC 120 VAC
Temperature Current	0.5 amps resistive make. Carry 1
Open temperature	5 deg. Increments
Tolerance	+ / - 5 deg. C
Reset Differential	10 deg. C
Reed Switch Contact Rating	250 VAC/Dc @ 0.5A resistive carry 2
Pressure	200 psi
Specific Gravity	0.50 Buna
Process Connection	¼ NPT
Lead Length	24" both - standard – request long option

Level Switch with Vent and Filter

The Vented Level Control (VLC) can be used for high or low level. Options include up to 4 switch points and float specific gravity. Use this model when the vessel needs to be vented - but still needs dirt filtration. The drawing indicates a ¾NPT and a ½NPT to attach a J box. The drawing is a sample of what's available. Send a request and we will return a drawing for approval.



Switch Rating	250 VAC/Dc @ 0.5A resistive carry 2

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