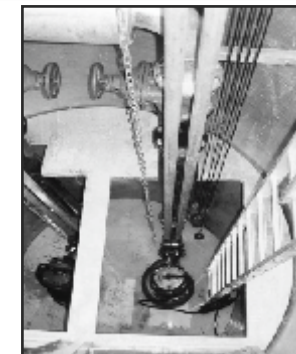


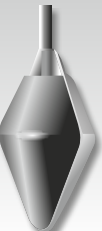







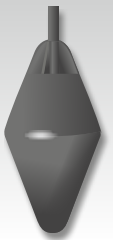





An extensive range of user friendly switches for almost every application under the sun. An economical and reliable technique for single or multi point detection of liquids. Consists of float, integral with 3 core cable, which internally holds a fixed microswitch along with a moveable steel ball. The float tilts up or down, on change in level, causing the ball to operate the microswitch to provide potential free contacts, for onward operations of auxiliary devices.

Special Features : *(appreciated worldwide)*

- Bioconical shape to prevent clogging - no maintenance
- Welded / vulcanized floats (not glued/crimped) to suit most aggressive conditions w/o being punctured/damaged
- Wide specific gravity range from 0.7 to 1.50
- ATEX certified for hazardous area
- High quality neoprene/hypalon cable complying with NFC 32-102-16/HO7RN8-F, retains flexibility over time w/o hardening as compared to PVC cables
- Omni directional - can operate in any direction
- Float protection index IP68 or IP 6X
- CE & ROHS certified
- ACS certified for sanitary applications

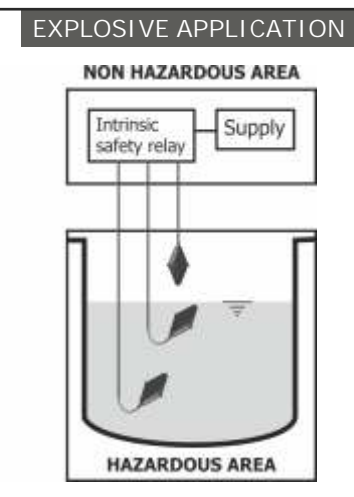
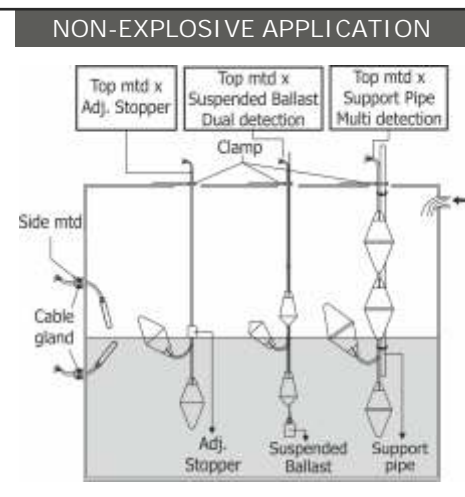


	SOBA SMALL	SOBA	SOBA HR HY	SOBA - EX	SOBA EP	BIP STOP
						
<u>Specifications</u>	<p>Diff. angle +/- 25°</p> <p>Min liquid sp. gr 0.70 to 1.25</p> <p>Pressure 3.5 bars</p> <p>Temperature 85°C</p> <p>Float protection IP 68</p> <p>Contact rating 16A(R)- 6A(I) 12, 24, 48 VAC / VDC &amp; 250 VAC 50 / 60 Hz</p> <p>Cable Neoprene / Hypalon</p> <p>Float size Ø70mm x 130mm ht</p> <p>Float MOC Copolymer PP</p> <p>Std cable lengths (mtrs) 5, 6, 10,13, 15, 20 &amp; 25</p>	<p>Diff. angle +/- 25°</p> <p>Min liquid sp. gr 0.70 to 1.25</p> <p>Pressure 3.5 bars</p> <p>Temperature 85°C</p> <p>Float protection IP 68</p> <p>Contact rating 16A(R)- 6A(I) 12, 24, 48 VAC / VDC &amp; 250 VAC 50 / 60 Hz</p> <p>Cable Neoprene / Hypalon</p> <p>Float size Ø80mm x 170mm ht</p> <p>Float MOC Copolymer PP</p> <p>Std cable lengths (mtrs) 5, 6, 10, 13, 15, 20 &amp; 25</p>	<p>Diff. angle +/- 25°</p> <p>Min liquid sp. gr 0.80 to 1.10</p> <p>Pressure 4 bars</p> <p>Temperature 90°C</p> <p>Float protection IP 68</p> <p>Contact rating 16A(R)- 6A(I) 12, 24, 48 VAC / VDC &amp; 250 VAC 50 / 60 Hz</p> <p>Cable Hypalon</p> <p>Float size Ø92mm x 200mm ht</p> <p>Float MOC Copolymer PP + Hypalon</p> <p>Std cable lengths (mtrs) 5, 6, 10, 13, 15, 20 &amp; 25</p>	<p>&lt; Intrinsically Safe &gt;</p> <p>Diff. angle +/- 25°</p> <p>Min liquid sp. gr 0.80 to 1.10</p> <p>Pressure 4 bars</p> <p>Temperature T6 i.e. from -20° to 70°C</p> <p>Float protection IP 6X</p> <p>Contact rating 24 VAC / VDC - 10mA or 12 VAC / VDC 100mA</p> <p>Cable Hypalon</p> <p>Float size Ø92mm x 200mm ht</p> <p>Float MOC Copolymer PP + Hypalon</p> <p>Std cable lengths (mtrs) 5, 10, 15, 20, 25 &amp; 30</p>	<p>&lt; Hygienic &gt;</p> <p>Diff. angle +/- 25°</p> <p>Min liquid sp. gr 0.70 to 1.25</p> <p>Pressure 3.5 bars</p> <p>Temperature 85°C</p> <p>Float protection IP 68</p> <p>Contact rating 16A(R)- 6A(I) 12, 24, 48 VAC / VDC &amp; 250 VAC 50 / 60 Hz</p> <p>Cable Special EPDM</p> <p>Float size Ø80mm x 170mm ht</p> <p>Float MOC Special PP</p> <p>Std cable lengths (mtrs) 5, 6, 10,1 3, 15, 20 &amp; 25</p>	<p>Diff. angle +/- 110°</p> <p>Min liquid sp. gr 0.70 to 1.25</p> <p>Pressure 3.5 bars</p> <p>Temperature 85°C</p> <p>Float protection IP 68</p> <p>Contact rating 20A(R)- 8A(I) 250 VAC 50 / 60 Hz</p> <p>Cable Neoprene / Hypalon</p> <p>Float size Ø70mm x 130mm ht</p> <p>Float MOC Copolymer PP</p> <p>Std cable lengths (mtrs) 0.4, 0.5, 1, 3, 5, 10 &amp; 20</p>
<u>Services</u>	Raw / Filtered / Waste / Sewage/ Polluted Water, Coolant, Sludge, Liquid manure, Effluents & Emulsions	Acids & Chemical Formulations, Septic tanks on ships & Sea Water	Solvents, Raw Sewage, Hydrocarbon, Chemical Formulations, Perfumes, Alcohol, Oil Rigs & Fuel storage tanks.	Saline, Mineral / Distilled Water for human consumption, sanitary pumps & water distribution	Clogging, Viscous/ Dirty Liquids, Sludge & Effluent with Turbulence	


	AT 120	AT 120 HR HY	ATS 165	ATS 165 EP - VR	TUBA 1"	AQUA - XL
						
<b>Specifications</b>						
Diff. angle	+/- 120°	+/- 120°	+/- 165°	< Hygienic > +/- 165°	+/- 20°	< Internal Ballast > -
Min liquid sp. gr	0.70 to 1.15	0.80 to 1.10	0.70 to 1.10	0.70 to 1.10	0.75 to 1.50	0.95 to 1.10
Pressure	3.5 bars	4 bars	3.5 bars	3.5 bars	5.5 bars	2 bars
Temperature	85°C	90°	85°C	85°C	85°C	70°C
Float protection	IP 68	IP 6X	IP 68	IP 68	IP 68	IP 68
Contact rating	20A(R)- 8A(I) 250 VAC 50 / 60 Hz	20A(R)-8A(I), 250VAC 50 / 60 Hz	20A(R)- 8A(I) 250VAC 50/60 Hz	16A(R)- 6A(I) 250VAC 50/60 Hz	10A(R)- 2(I) 250VAC 50/60 Hz	10(R), 4(I) 250 VAC / VDC
Cable	Neoprene / Hypalon	Hypalon	Neoprene / Hypalon	Special EPDM	Neoprene	PVC x 1mm <sup>2</sup> Ø6.6
Float size	Ø80mm x 170mm	Ø92mm x 200mm	Ø95mm x 152mm ht	Ø95mm x 152mm ht	Ø29mm x 180mm	Ø100mm x 165mm
Float MOC	Copolymer PP + Hypalon	Copolymer PP + Hypalon	Copolymer PP	Special PP	PP	Copolymer PP
Std cable lengths (mtrs)	1, 3, 5, 10 & 20	1, 3, 5, 10 & 20	5, 10, 15, 20 & 25	5, 10, 15, 20 & 25	2, 3, 5, 10 & 20	6, 10, 15, 20 & 30
<b>Services</b>	Clogging, Viscous/ Dirty Liquids, Sludge & Effluent with Turbulence	Acids, Hydrocarbon, Chemical Formulations with Turbulence, Sea Water & Detergents	Highly Turbulent Liquids	Drinking, Saline, Mineral / Distilled water with High Turbulence	Emulsion, Raw / Clear / Treated / Sewage water, Coolants and Tanks with small inlet	Pumping / Sewage stations handling Liquids with thick grease layers

**INSTALLATION**

Cable switches are side or top mounted. Side mounted, can be fixed through cable glands. Top mounted can be clamped and made to pivot through adjustable stopper, ballast or support pipe. Please note that it is mandatory to install 'ATEX' certified switches for hazardous liquids / area like effluent treatment plants, septic tanks, fuel storage tanks etc. Any risk or undue negligence in these situations could lead to disastrous consequences. Identify whether area / service is explosive or non explosive and installed as per indicative diagrams.



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R A T E D  
**NSIC-CRISIL SE-1A**

AREA REPRESENTATIVE :