

FLOAT OPERATED SIDE MOUNTED LEVEL SWITCHES

INTRODUCTION

FITZER side mounted level switches are maintenance free and reliable device that are used for high, low or intermediate point level switching. These are suitable for use in tanks with inaccessible tops or bottoms and where insertion depths of top mounted models are exceeded.

Moreover, the construction of our range is compact & rugged with a free moving pivoted float assembly. In addition, the Switch assembly is mounted in a non-magnetic material to achieve undisturbed magnetic flux. Our product is also incorporated with dual magnets, one linked with the float arm and other by the contact carriers housed in the switch enclosure. With the change in the liquid level brings the like poles of dual magnets opposite to each other & resulting repulsion force ensures a changeover of contacts with snap action.



FITZER/SMLS/03

TECHNICAL SPECIFICATIONS

- Installation** : Side/ top for special applications
- Switching enclosure** : Cast Aluminum, weatherproof to IP 56/ IP 65 or ex-proof for Gr. II A & II B or II C
- Electrical connection** : Brass, $\frac{3}{4}$ WIDTH=324>
- Float** : SS 304/ SS 316/ SS 316L/ PP/ PTFE
- Min. Sp. Gravity** : 0.6 depending upon float material and dimensions
- Process connection** : 40, 50, 65 or 80 mm flanged as per ASA 150#.
- Switch Micro** : (max. temp.-150°C)
- Switching capacity** : 6 Amp, 230 V AC
- Repeatability** : +/- 2 mm
- Load/ insulation** : Resistive/ 150 mega ohms at 500V DC
- Maximum Pressure** : Up to 20 kg/cm² at ambient temp. Special design available for higher pressures.
- Maximum Temperature** : Up to 350°C depending upon float material & switch elements.