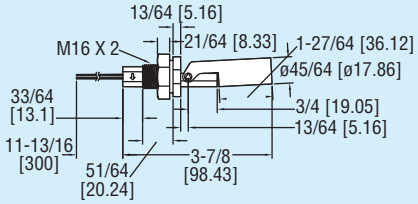
Series F6 & F7

Level Switches - Horizontal/Specialty

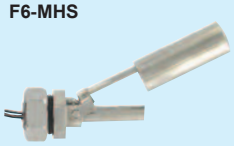
Low Cost, Hermetically Sealed Contacts

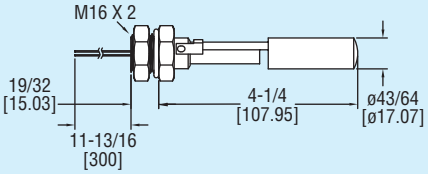
Horizontal

F6-HPS-11

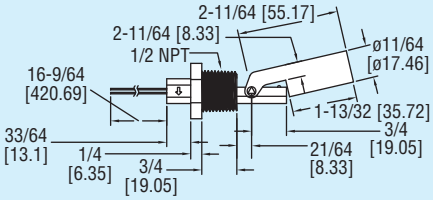


F6-MHS

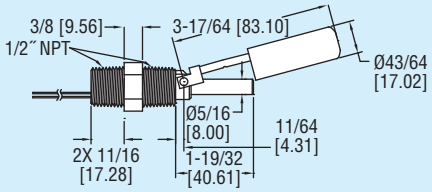




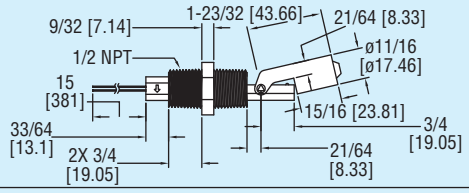
F6-HPS-21



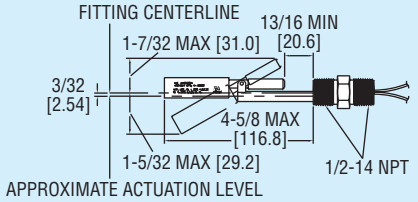
F6-MHS2



F6-HPS-31

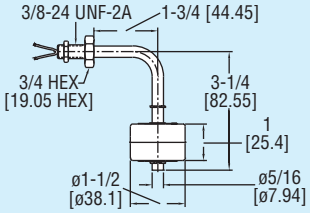


F7-HSS

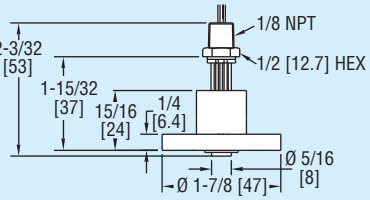


Specialty

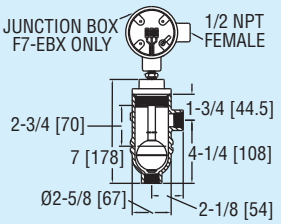
F7-SS6



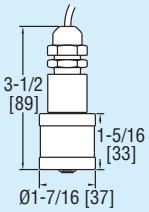
F7-LL



F7-EB



F7-WBB



Series F6 & F7 Horizontal Mount Level Switches are designed to mount through the walls of tanks and other vessels. Internally mounted models F6-HPS-11, F6-MHS and F7-SS6 are secured to the wall of the tank or vessel from the inside while model F6-HPS-21 is mounted from the outside (externally). Models F7-HSS and F6-MHS2 can be installed internally or externally.

Series F6 & F7 Specialty Level Switches are designed for unique applications. Model F7-SS6 can be used with viscous liquids or liquids with suspended metal particles. Use model F7-LL for low level detection (≥5/8″). The non-intrusive bottle style F7-EB mounts completely outside the tank at the actuation level. Suspend model F7-WBB in stand pipes or sumps for leak detection or drop into wells for ground-water monitoring.

Model	Applications	Material Float/Stem	Temperature Limits	Pressure Limits	Min. S.G.	Electrical Rating	Wire Leads	Mtg	Weight oz (g)
F6-HPS-11	Water, Oils, Chemicals	Polypropylene/ Polypropylene	176°F (80°C)	116 psig (8 bar)	0.60	20 VA: 0.08A @ 240 VAC	20 AWG, 11.8″ (30 cm)	M16 x 2	1.23 (38)
F6-HPS-21	Water, Oils, Chemicals	Polypropylene/ Polypropylene	176°F (80°C)	116 psig (8 bar)	0.60	20 VA: 0.08A @ 240 VAC	20 AWG, 11.8″ (30 cm)	1/2″ NPT	1.23 (38)
F6-HPS-31	Water, Oils, Chemicals	Polypropylene/ Polypropylene	176°F (80°C)	116 psig (8 bar)	0.60	20 VA: 0.08A @ 240 VAC	20 AWG, 11.8″ (30 cm)	1/2″ NPT	1.41 (40)
F6-MHS	Corrosives	304 SS/304 SS	257°F (125°C)	218 psig (15 bar)	0.85	20 VA: 0.08A @ 240 VAC	22 AWG, 11.8″ (30 cm)	M16 x 2	3.35 (95)
F6-MHS2	Water, Oils, Chemicals	304 SS/304 SS	257°F (125°C)	363 psig (25 bar)	0.85	70 VA: 0.7A @ 250 VAC	22 AWG, 11.8″ (30 cm)	1/2″ NPT	4.8 (136)
F7-HSS†	High temp/pressure, corrosive, Expl.	316 SS/316 SS	392°F (200°C)	300 psig (20.7 bar)	0.60	30 VA: 0.14A @ 220 VAC	22 AWG, 24″ (61 cm)	1/2″ NPT (int/ext)	3 (94)

Model	Style/ Applications	Material Float/Stem	Temperature Limits	Pressure Limits	Min. S.G.	Electrical Rating	Wire Leads	Mtg	Weight oz (g)
F7-SS6	Bent stem/ Liquids with metal particles	316 SS/316 SS	300°F (149°C)	100 psig (7 bar)	0.70	20 VA: 0.08A @ 220 VAC N.O. operation	22 AWG, 24″ (61 cm)	3/8″-24″ UNF-2A	2 (58)
F7-SS6B	Bent stem/ Liquids with metal particles	316 SS/316 SS	300°F (149°C)	100 psig (7 bar)	0.70	20 VA: 0.08A @ 220 VAC N.C. operation	22 AWG, 24″ (61 cm)	3/8″-24″ UNF-2A	2 (58)
F7-EB‡**	Non-intrusive bottle type/ Outside tank mounting	Brass/316 SS (Brass housing)	300°F (149°C)	500 psig (34 bar)	0.75	20 VA: 0.08A @ 240 VAC	18 AWG, 24″ (61 cm)	3/4″ NPT female	5 lb 5 oz (2.4 kg)
F7-LL	Vertical/ Detect levels as low as 5/8″	Polysulfone/ Buna-N	180°F (82°C)	50 psig (3 bar)	–	20 VA: 0.08A @ 240 VAC	22 AWG, 72″ (182 cm)	1/8″ NPT male	2 (58)
F7-WBB	25′ cable, slosh shield/ Sumps, stand pipes	Brass/Buna-N	180°F (82°C)	150 psig (10 bar)	0.45	20 VA: 0.08A @ 240 VAC	22 AWG, 25′ (7.6 m)	–	10.8 (310)

† F7-HSS is rated explosion-proof for Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III.
‡ Explosion proof model available with DPDT switch. Specify F7-EBX
**Model available with Normally Closed Switch. Specify F7-EBNC