

LL001 Series Stainless Steel Liquid Level Switches

Full-Size Switches

MODEL NO.	With SLOSH SHIELD#	DWG NO.	FLOAT MATL	STEM MATL	MAX TEMP (CELSIUS)	MAX PSIG	FLOAT SG	NOMINAL VA	LEAD WIRES	FITTING	** APPROVALS
LL001.001	LL001.051	1	316SS	316SS	200°	200	0.55	60	22 ga. Teflon 24"	1/4" NPT	A,B,C,D,E,I
LL001.002	LL001.052	1	316SS	316SS	200°	200	0.55	25 ^a	22 ga. Teflon 24"	1/4" NPT	A,B,C,D,I
LL001.003	LL001.053	1	316SS	316SS	200°	200	0.55	100	22 ga. Teflon 24"	1/4" NPT	A,B,C,D
LL001.010	LL001.060	1	316SS	316SS	250°	200	0.55	60	18 ga. UL/CSA appr.	1/4" NPT	A,B,C,D
LL001.004	LL001.054	2	Buna-N	316SS	105°	150	0.45	60	22 ga. Teflon 24"	1/4" NPT	A,B,C
LL001.005	LL001.055	2	Buna-N	316SS	105°	150	0.45	25 ^a	22 ga. Teflon 24"	1/4" NPT	A,B,C
LL001.006	LL001.056	2	Buna-N	316SS	105°	150	0.45	100	22 ga. Teflon 24"	1/4" NPT	A,B,C
LL001.007	LL001.057	2	PP [†]	316SS	105°	100	0.75	60	22 ga. Teflon 24"	1/4" NPT	A,B,C,D
LL001.008	LL001.058	2	PP [†]	316SS	105°	100	0.75	25 ^a	22 ga. Teflon 24"	1/4" NPT	A,B,C,D
LL001.009	LL001.059	2	PP [†]	316SS	105°	100	0.75	100	22 ga. Teflon 24"	1/4" NPT	A,B,C,D
LL001.011	LL001.061	3	316SS	316SS	200°	500	0.70	100	22 ga. Teflon 24"	1/4" NPT	C,D,I
LL001.062	–	4	316SS	316SS	110°	85	0.55	60	Teflon Cable 6 ft.	–	I
LL001.063	–	4	316SS	316SS	100°	30	0.64	25 ^a	^{18 AWG} Neoprene Cable 10 ft.	–	–

Miniature Switches

MODEL	With SLOSH SHIELD#	DWG NO.	FLOAT MATL	STEM MATL	MAX TEMP (CELSIUS)	MAX PSIG	FLOAT SG	NOMINAL VA	LEAD WIRES	FITTING	** APPROVALS
LL001.101	LL001.151	5	316SS	316SS	200°	300	0.70	30	22 ga. Teflon 24"	1/8" NPT	A,B,C,D
LL001.102	LL001.152	6	Buna-N	316SS	105°	150	0.45	30	22 ga. Teflon 24"	1/8" NPT	A,B,C
LL001.301	LL001.351	6a	PP [†]	316SS	105°	100	0.80	30	22 ga. Teflon 24"	1/8" NPT	A,B,C,D
LL001.103	LL001.153	6	PP [†]	316SS	105°	100	0.80	30	22 ga. Teflon 24"	1/8" NPT	A,B,C,D

Side-Mounted Switches

MODEL	With SLOSH SHIELD#	DWG NO.	FLOAT MATL	STEM MATL	MAX TEMP (CELSIUS)	MAX PSIG	FLOAT SG	NOMINAL VA	LEAD WIRES	** APPROVALS
LL001.201	–	11	316SS	316SS	200°	300	0.60	30	22 ga. Teflon 24"	A,B,C,D,E
LL001.202	–	13	316SS	316SS	200°	300	0.60	30	22 ga. Teflon 24"	A,B,C,D,E
LL001.203	–	12	316SS	316SS	200°	300	0.60	30	22 ga. Teflon 24"	A,B,C,D,E,I
LL001.204	–	14	316SS	316SS	200°	100	0.70	30	22 ga. Teflon 24"	A,B,C,D
LL001.205	LL001.255	15	316SS	316SS	200°	300	0.70	30	22 ga. Teflon 24"	A,B,C,D

MODEL	SLOSH SHIELD	DWG NO.	FLOAT MATL	STEM MATL	MAX TEMP (CELSIUS)	MAX PSIG	FLOAT SG	NOMINAL VA	LEAD WIRES	OUTER THREAD
LL001.206	–	16	316SS	316SS	200°	50	0.60	30	22 ga. Teflon 24"	1/2-13 Bulkhead
LL001.207	–	17	316SS	316SS	200°	50	0.60	30	22 ga. Teflon 24"	1/2 NPT
LL001.208	–	18	316SS	316SS	200°	50	0.60	30	22 ga. Teflon 24"	1/8 NPT
LL001.206NO	–	16	316SS	316SS	200°	50	0.60	30	22 ga. Teflon 24"	1/2-13 Bulkhead
LL001.207NO	–	16	316SS	316SS	200°	50	0.60	30	22 ga. Teflon 24"	1/2 NPT
LL001.208NO	–	16	316SS	316SS	200°	50	0.60	30	22 ga. Teflon 24"	1/8 NPT

PP=Polypropylene

[†] Also available in Polysulfone (consult factory)

[#] Approval "D" does not apply to units with Slosh Shields

^a SPDT switch operation

^b Available with extended stem length, see drawing No. 19. Consult factory for appropriate model number.

** Refer to Approvals pages in Reference Section

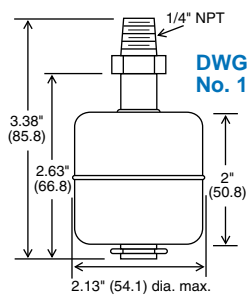
*** Also available with a Thermocouple or RTD

APT Instruments • 877.324.5444 • 217.227.3000 • 217.227.3003Fx • www.aptinstruments.com • sales@aptinstruments.com

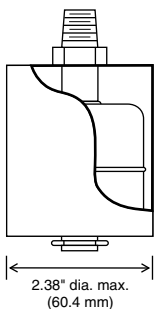
All specifications are subject to change without notice.

M Series Stainless Steel Liquid Level Switches

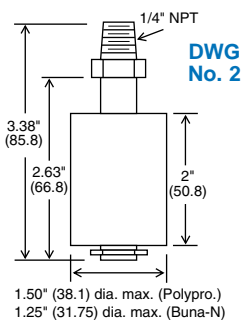
Vertical Switches



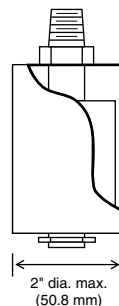
DWG No. 1



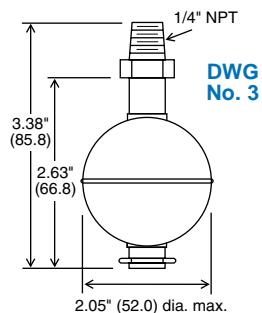
Cutaway Showing Sash Shield Operation



DWG No. 2



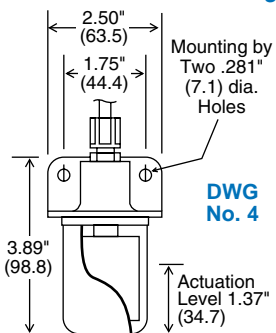
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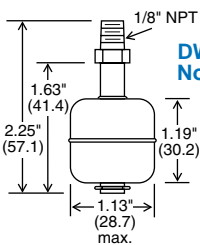
DWG No. 3

2.05" (52.0) dia. max.

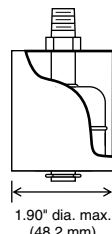
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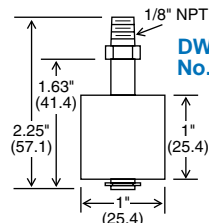
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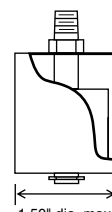
DWG No. 5



Cutaway Showing Sash Shield Operation

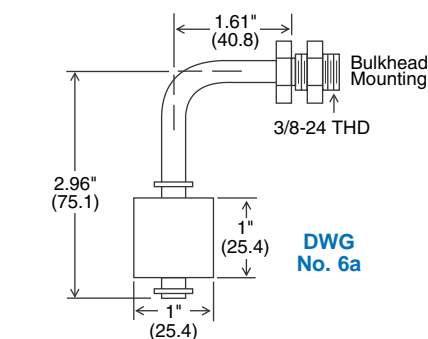


DWG No. 6

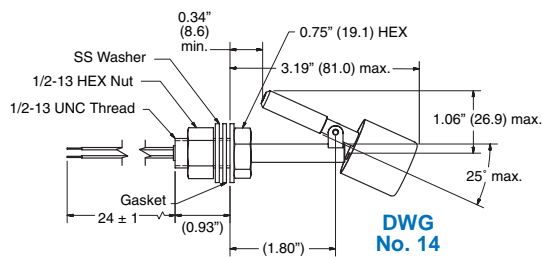


Cutaway Showing Sash Shield Operation

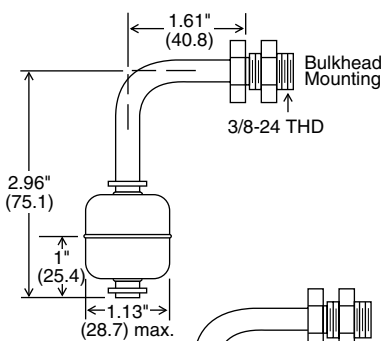
Side-Mounted Switches



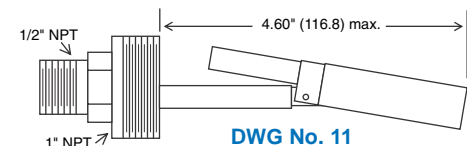
DWG No. 6a



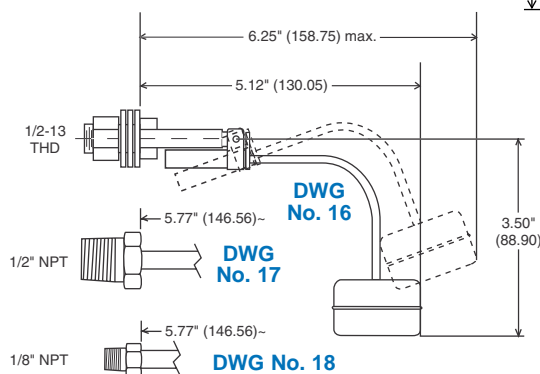
DWG No. 14



DWG No. 15



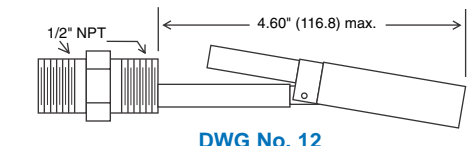
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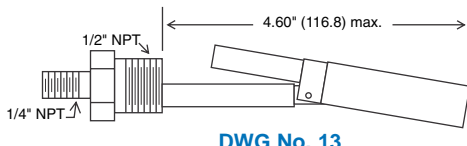
DWG No. 16

DWG No. 17

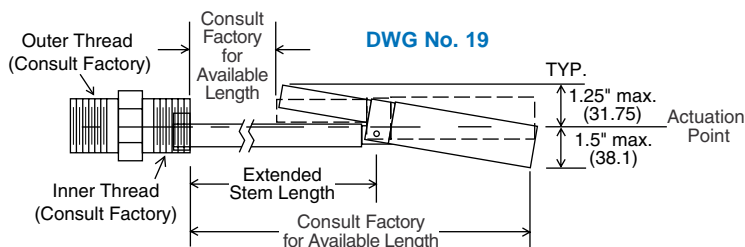
DWG No. 18



DWG No. 12



DWG No. 13



DWG No. 19