

# PENBERTHY application report

Section 4000  
Application Report 4772  
Issued 10/02  
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For: MULTIVIEW™ Liquid Level Meter – Extended Length Float Matrix

NOMINAL PRESSURE RATING	FLOAT DIAMETER	MATERIAL	MINIMUM SPECIFIC GRAVITY	PRESSURE RATING PSIG (kPa G)					FLOAT TEST PRESSURE psig @ 100F (kPa G @ 37.8 C)
				100° F (37.8° C)	300° F (149° C)	500° F (260° C)	700° F (371° C)	750° F (399° C)	
150# ANSI	2.25" (57 mm) Sch 40 Standpipe	316 STS	0.74	275 (1896)	215 (1483)	170 (1172)	110 (758)	95 (655)	350 (2414)
		Titanium	0.47	230 (1586)	215 (1483)	210 (1448)	195 (1345)	190 (1310)	300 (2069)
		Monel	0.84	230 (1586)	190 (1310)	170 (1172)	110 (758)	95 (655)	300 (2069)
		Alloy-20	0.76	230 (1586)	200 (1379)	170 (1172)	110 (758)	95 (655)	300 (2069)
		Hast-C	0.84	290 (2000)	230 (1586)	170 (1172)	110 (758)	95 (655)	375 (2586)
	2.50" (63.5 mm) Sch 10 Standpipe	316 STS	0.49	275 (1896)	215 (1483)	170 (1172)	110 (758)	95 (655)	350 (2414)
		Titanium	0.37	230 (1586)	215 (1483)	210 (1448)	195 (1345)	190 (1310)	300 (2069)
		Monel	0.51	230 (1586)	190 (1310)	170 (1172)	110 (758)	95 (655)	300 (2069)
		Alloy-20	0.47	230 (1586)	200 (1379)	170 (1172)	110 (758)	95 (655)	300 (2069)
		Hast-C	0.53	290 (2000)	230 (1586)	170 (1172)	110 (758)	95 (655)	375 (2586)
300# ANSI	2.25" (57 mm) Sch 40 Standpipe	316 STS	0.76	720 (4965)	560 (3862)	480 (3310)	430 (2965)	425 (2931)	900 (6207)
		Titanium	0.51	600 (4138)	545 (3758)	545 (3758)	510 (3517)	500 (3448)	750 (5172)
		Monel	0.86	600 (4138)	495 (3414)	475 (3276)	475 (3276)	470 (3241)	750 (5172)
		Alloy-20	0.78	600 (4138)	525 (3620)	470 (3241)	445 (3069)	440 (3034)	750 (5172)
		Hast-C	0.87	750 (5172)	730 (5034)	665 (4586)	570 (3931)	530 (3655)	950 (6552)
600# ANSI	2.25" (57 mm) Sch 40 Standpipe	316 STS	0.84	1440 (9931)	1120 (7724)	955 (6586)	865 (5965)	845 (5827)	1800 (12414)
		Titanium	0.57	1200 (8271)	1130 (7793)	1085 (7483)	1020 (7034)	1000 (6896)	1500 (10345)
		Monel	0.90	1200 (8271)	990 (6827)	950 (6552)	950 (6552)	935 (6448)	1500 (10345)
		Alloy-20	0.83	1200 (8271)	1045 (7207)	935 (6449)	890 (6138)	880 (6069)	1500 (10345)
		Hast-C	0.92	1500 (10345)	1455 (10034)	1330 (9172)	1135 (7827)	1065 (7345)	1875 (12931)
900# ANSI	2.25" (57 mm) Sch 40 Standpipe	316 STS	0.90	2160 (14896)	1680 (11586)	1435 (9896)	1295 (8931)	1270 (8758)	2700 (18620)
		Titanium	0.64	1800 (12414)	1680 (11586)	1435 (9896)	1295 (8931)	1270 (8758)	2250 (15517)
		Monel	0.95	1800 (12414)	1485 (10241)	1435 (9896)	1435 (9896)	1405 (9889)	2250 (15517)
		Alloy-20	0.88	1800 (12414)	1570 (10827)	1405 (9689)	1335 (9144)	1320 (9103)	2250 (15517)
		Hast-C	1.00	2250 (15517)	2185 (15069)	1995 (13758)	1705 (11758)	1595 (11000)	2825 (19483)

Consult Factory for the Minimum Specific Gravity for Halar® or Tefzel Coated Floats

Consult Factory for Information Regarding Floats for Interface Service