

PENBERTHY application report

Section 4000
Application Report 4773
Issued 10/02
Replaces 04/98

For: MULTIVIEW™ Liquid Level Meter – PVC, CPVC, PVDF & Vented Float Matrix

PRESSURE EQUALIZING (VENTED) FLOATS

NOMINAL PRESSURE RATING	FLOAT DIAMETER	MATERIAL	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)	
Vented	2.25" / 2.50" (57 mm / 63.5 mm)	316 STS	Pressure change rate (ΔP) no greater than 300 psi / 3 sec (2069 kPa / 3 sec)					Limited by the standpipe
		Titanium						
		Monel						
		Alloy-20						
		Hast-C						

NON-METALLIC FLOATS

MATERIAL	FLOAT DIAMETER	MINIMUM SPECIFIC GRAVITY	PRESSURE / TEMPERATURE RATING PSIG (kPa G)
PVC	1.90" (48 mm)	0.83	150 psig @ 100° F (1034 kPaG @ 38° C) 50 psig @ 140° F (345 kPaG @ 60° C)
CPVC	1.90" (48 mm)	0.87	150 psig @ 100° F (1034 kPaG @ 38° C) 50 psig @ 140° F (345 kPaG @ 60° C)
PVDF (Kynar)	1.97" (50 mm)	0.93	150 psig @ 100° F (1034 kPaG @ 38° C) 50 psig @ 140° F (345 kPaG @ 60° C)