Project: P14474: Hydrostatic Test Apparatus

Revision #: 4

rqmt. #	Importance	Weight	Source	Function	Engr. Requirement (metric)	Unit of Measure	Target Value/Range	Comments/Status	Test (how are you going to verify satisfaction)
S1	9	340.9	CR2		Withstand Maximum Internal System Pressure	PSI	10000		
S2	9	286.4	UL1203 & UL2225		Pressure Ramp Rate	PSI/Min	100-600		
S3	9	377.3	PRP		Maximum Pressure in Enclosure	PSI	10000		
S4	9	295.5	UL1203		Minimum Pressure in Enclosure	PSI	>50		
S5	6	245.5	UL1203		Maximum Conduit Trade Size	in	1.5"		
S6	6	245.5	UL1203		Minimum Conduit Trade Size	in	.75"		
S7	9	259.1	UL1203		Hold Time for 4X Max Internal Explosion Pressure	Sec	10		
S8	9	259.1	US1203		Hold Time for 1.5X Max Internal Explosion Pressure	Sec	10<t<60		
S9	3	231.8	Customer Interview		Ability to Alter Test Parameters Midtest	Binary			
S10	3	200	CR15		Number of Analog Outputs for Data Logging	Decimal	1		
S11	3	172.7	Customer Visit		Store Peak Pressure Value Before Failure	Binary			
S12	3	95.5	CR16		Emergency Stop	Binary			
S13	6	245.5	PRP		Test Controllable Outside Explosive Proof Area	Binary			
S14	6	240.9	UL1203 & UL2225		Reaction time of Valve	Sec	<2		
S15	3	122.7	Customer Visit		Maximum Dimensions	ft (L x W x H	5 x 2 x 3		
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Rqmt. #: enables cross-referencing (traceability) and allows mapping to lower level requirements within separate documents
Source: Customer requirement #, regulatory standard (eg. EN 60601), and/or "implied" (must exist but doesn't have an associated customer rqmt), constraint
Description: quantitative, measureable, testable details
*This table can be expanded to document test results