DATA SHEET FOR Y-TYPE STRAINER

Document No : GGL/TS/DS/Y-STRAINER /001,REV. 00

DATA SHEET FOR Y – TYPE STRAINER			
Sr. No.	**Description**	**Specification**	
General			
1	Type	Y-Type	
2	Size	Vendor to Furnish	
3	Pressure Class	150# /300# / 600#	
4	Design Standard	ANSI B 16.5 and ANSI 16.34	
Service Conditions			
		For 150#	**For 300# and 600#**
5	Service	Dry Natural Gas	Dry Natural Gas
6	Design pressure	19 Barg	49 barg/98 barg
7	Design Temperature	0 to 65 ˚C	-10 to 65 ˚C
8	Operating Pressure	0.5 – 5.5 barg	To be filled by user
9	Operating Temperature	0 to 50 Deg. C	-10 to 50 ˚C
Valve Construction			
10	Location	Above ground	Above ground
11	Corrosion Allowance	1.5	1.5
12	Efficiency	50 micron	50 micron
13	End Connections	Flanged End (As per ASME B 16.5) as per piping material specification	
14	Flange Facing	RF-125 AARH (ASME B 16.5)	
Material of Construction			
15	Body	ASTM A 216 Gr. WCB (Charpy test at 0 Deg C)	ASTM A 352 Gr. LCB/LCC
16	Cover	ASTM A 216 Gr. WCB (Charpy test at 0 Deg C)	ASTM A 352 Gr. LCB/LCC
17	Mesh/Screen Material	SS304	SS304
18	Stopper	SS316/CF8M	SS316/CF8M
19	Stud Bolts & Nuts	ASTM A 193 Gr. B7/ASTM A 194 Gr. 2H Hot Dip Galvanized as per ASTM A 153	ASTM A 320 Gr.L7 NUT: ASTM A 194 Gr.7 , Hot Dipped Galvanized as per ASTM A 153
20	Gaskets	SS 316 spiral wound with CNAF filler	
Testing Requirement			
21	Charpy Impact Test	All pressure containing part as per the MOC standard In case Charpy test value not specified in relevant codes and standards than charpy shall be carried out at 0 °C and absorbed energy value shall be average 35 j and minimum 28 j respectively.	
22	Pneumatic Test	API 598	

23	Hydrostatic Test	Body	1.5 X Design Pressure
24	Hardness Test		As per relevant code and standard
25	Tensile Test		As per relevant code and standard
26	Yield Strength (Minimum)		As per relevant code and standard
27	Elongation		As per relevant code and standard
28	UT		100% Surface
29	Radiography		100% Applicable
30	Marking & Painting		MSS SP 25 and GGL Specification

Notes:

1. Inspection and Testing shall be as per this Data Sheet, GGL Specification. Inspection shall be carried out by TPI at Manufacture's work as per QAP approved by GGL
2. Vendor to submit QAP for approval prior to commencement of manufacturing
3. Welded fittings shall be normalized and 100% radio-graphed.