

### DATASHEET OF T- TYPE STRAINER BELOW 2"

Sr. No.	Technical Description	Specifications
1	Pressure Class	3000#
2	Design Standard	ASME B16.11
3	Type	T - Type Strainer
4	Strainer Location & Function	Upstream of Diaphragm Meter in 110 mbar Industrial Metering skid/ Upstream of regulator in Service Regulator Module/ As per the requirement mentioned in P&ID/GAD
5	Corrosion allowance	1.5 mm
6	Design Factor	0.4
7	Service	Natural Gas
8	Pressure Class	150#
9	Design Pressure	19 barg
10	Design Temperature	0 - 65 °C
11	Operating Pressure	0.5 – 5.5 barg
12	Operating Temperature	0 - 50 °C
13	Efficiency	50 Micron
14	Body Material	ASTM A105 with charpy at 0 deg C
15	Effective Basket Area	Effective free basket area shall be minimum 3 times of the nozzle area
15	End Connection	Below 2"- one side Threaded and 2 side socket welded/As per GGL requirement
15	Mesh Material	SS304
16	Hydrotest	1.5 X Design Pressure
17	Charpy Impact test	As per Material of Construction standard. In case Charpy impact 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 28J respectively
18	Hardness Test	As per relevant code and standard
19	Tensile Test	As per relevant code and standard
20	Yield Strength (Minimum)	As per relevant code and standard
21	Elongation	As per relevant code and standard
22	UT	100% Surface
23	Marking	MSS SP 25 and GGL Specification
<b>NOTE:-</b>		
1. Bidder shall clearly mention deviation, if any.		
2. 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		
3. Vendor to submit QAP for approval prior to commencement of manufacturing		
4. Welded fittings shall be normalized and 100% radio-graphed.		