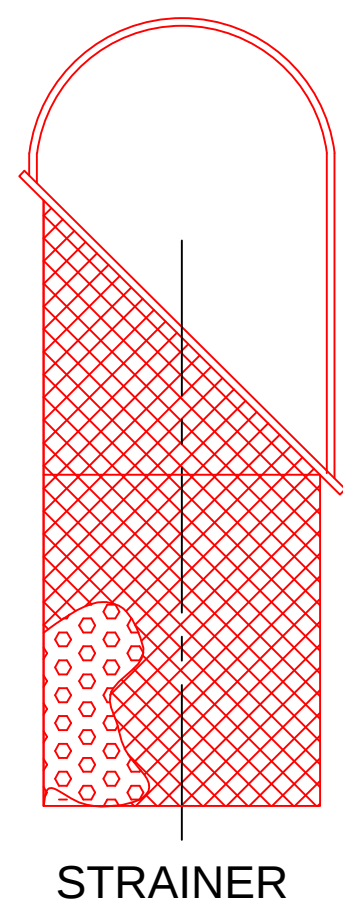
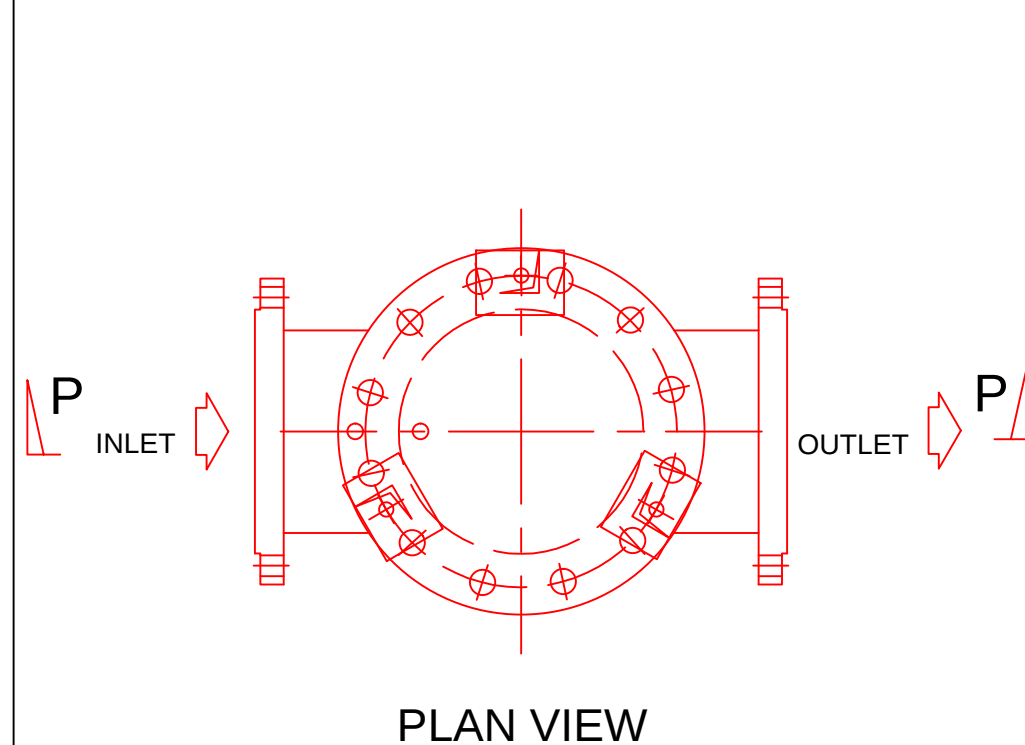
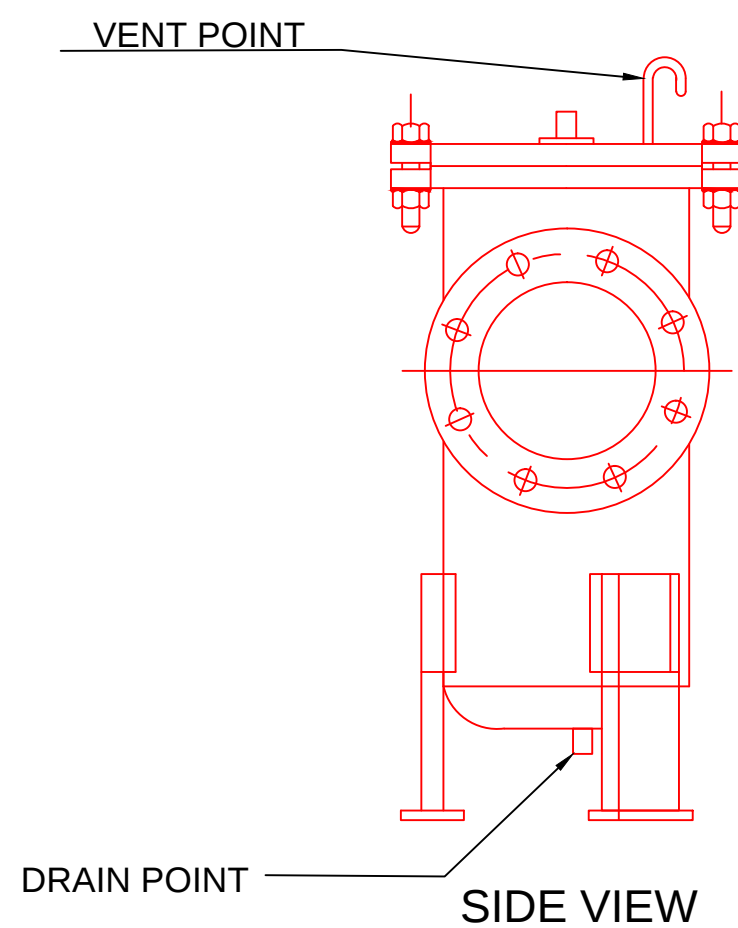
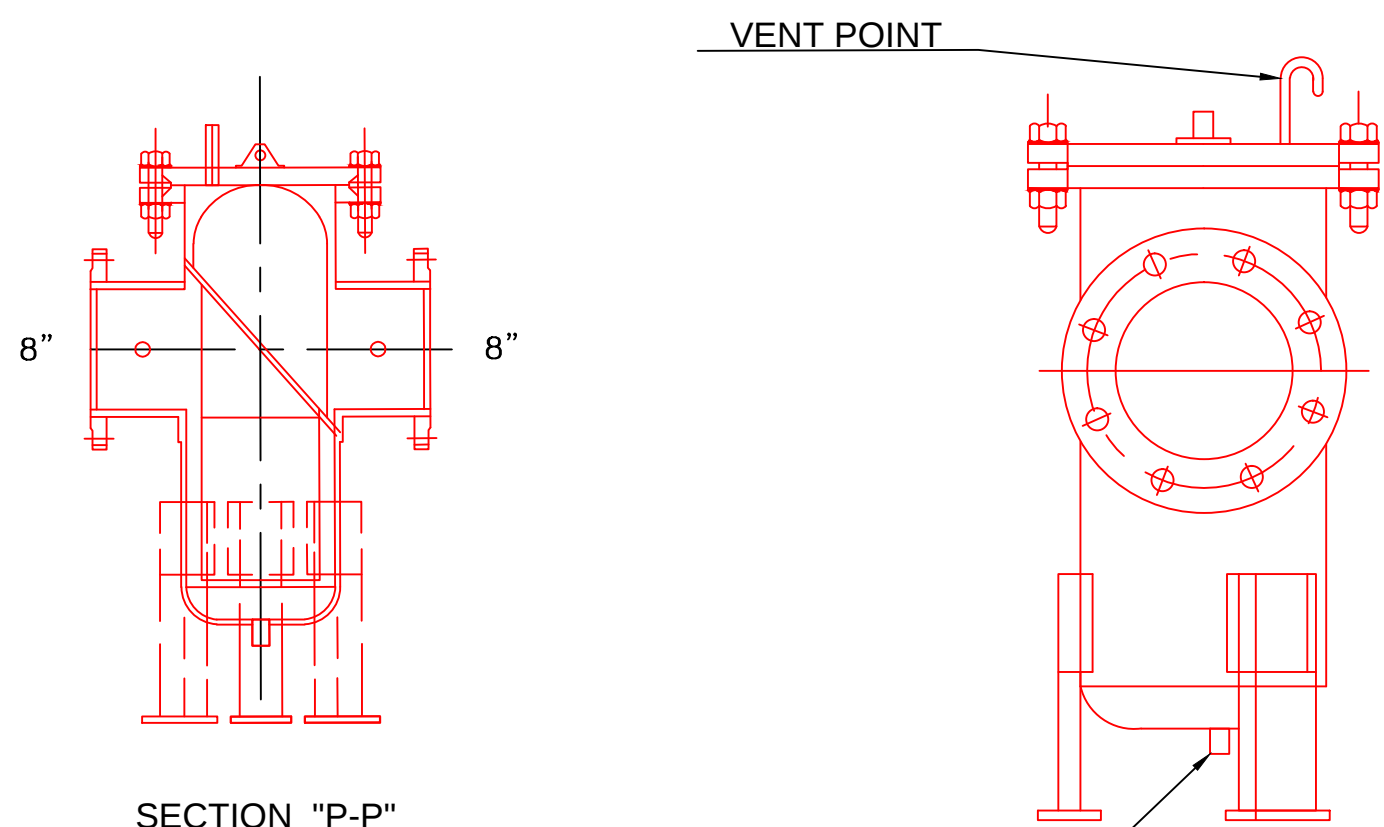


SCHEMATIC OF BUCKET STRAINER



DATASHEET OF BUCKET STRAINER (SIMPLEX TYPE)

1.0 DESIGN PARTICULARS

a) Fluid to be handled	Blow down slop oil ex CC-10
b) Working Pressure	6.7 Kg/cm2 (g)
c) Quantity required	2 nos.
d) Line size & thickness	8 inch & 6.35mm
e) Flow Rate	50 M3/Hr
f) Ratio of strainer to pipe cross section area	3 times (min.)
g) End connection	Flanged raised face serrated finish and dimension to ANSI B-16.5, Rating 150 lbs.
h) Pressure Drop across strainer	5 MWC

2.0 MATERIAL OF CONSTRUCTION

a) Body	ASTM A234 GR.WPB
b) Cover Plate	CS
c) Filter	SS-304 wire 8 Mesh (Min.) with SS 304 perforated sheet.
d) Conn pipe	API 5L GR.B
e) End	CS
f) Gasket	SS304 SPIRAL WND +CA FIL
g) Bolt's & Nuts	A 193 Gr. B16/A 194 Gr.4
h) Drain	Carbon steel (Screwed BSPT(F)
i) Vent	Carbon steel (Screwed BSPT(F)
j) Support Legs	CS to IS:2062
k) Conn Flanges	ASTM A105 , Dim. Std = B16.5

4.0 WORKMANSHIP, FINISH & PAINT

a) Workmanship	Good
b) Finish	All burrs and sharp edges shall be removed and the inside surface should have smooth finish
c) Painting	As per NRL specification

3.0 TESTING PARAMETER

a) Hydrotest - Body	17Kg/Cm2 (g).
b) Performance	Pressure drop across strainer

5.0 MARKING

The Strainer shall be clearly and permanently marked with the following :

- Certification mark as per relevant code.
- All valves to bear stamping mark by third party.

6.0 SPECIAL NOTES

a) All Simplex strainer to be supplied with spare bucket complete with straining element so that in the event of strainer getting clogged the upstream valve shall be closed and the bucket complete with straining element shall be replaced thus keeping the system inoperative for minimum period.

b) Since strainers do not bear ISI certification mark type test certificate to be submitted from TPIA

REV	DATE	DESCRIPTION	PPD	CKD	APPD
0	23.11.16	FOR COMMENTS			
TITLE : DATA SHEET			REV	0	
BUCKET STRAINER (SIMPLEX TYPE)			SHEET	1	OF 1
			JOB NO.	MOC-DCU-2014-00132	



TECHNICAL SERVICES (ENGG. CELL)
NUMALIGARH REFINERY LTD.