

DATASHEET FOR FINE FILTER VESSEL

A. DESIGN DATA

1. DESIGN CODE : ASME SEC. VIII, DIV.1 latest edition
2. RADIOGRAPHY :
3. JOINT EFFICIENCY :
4. CORROSION ALLOWANCE : 3 mm
5. DIA.OF VESSEL :
6. T/L TO T/L DISTANCE OF VESSELS :
7. TYPE OF SEPARATOR: VANE TYPE
8. NO.OF FILTER ELEMENTS :
9. CLEAN PR. DROP ACROSS FILTER SEPARATOR(P): ∇ The clean pressure drop across filter separator shall be ≤ 0.2 kg/cm²
10. CHANGE OVER PR. DROP ACROSS FILTER SEPARATOR(P): ∇
11. COLLAPSIBLE PR. DROP ACROSS FILTER SEPARATOR(P): ∇

12. OPERATING PRESSURE[Kg/cm²(g)]

- i. NORMAL :
- ii. MINIMUM :
- iii. MAXIMUM :
- iv. MECH.DESIGN PRE. :

13. OPERATING TEMPERATURES(DEG C)

- i. NORMAL :
- ii. MINIMUM :
- iii. MAXIMUM :
- iv. DESIGN TEMP. :

14. FLOW (NM³/HR)

- i. NORMAL :
- ii. MINIMUM :
- iii. MAXIMUM :
- iv. DESIGN FLOW:

B. MATERIAL OF CONSTRUCTION:

Sl. No.	Description	Construction	Permissible Stress [kg/cm ² (g)]
a)	SHELL	SA 516 Gr 70/ A106 Gr B	
b)	DISHED END	SA 516 Gr 70	
c)	NOZZLE/SUMP	SA 516 Gr 70/ A106 Gr B	
d)	PIPE CAP	SA 516 Gr 70/ A106 Gr B	
e)	FILTER ELEMENTS		
f)	VANE SEPARATOR	SS 304	

MAKE OF FILTER ELEMENT
MOC & MODEL NO OF FILTER ELEMENT
MAKE OF VANE PACK
MOC & MODEL NO OF VANE PACK
EFFICIENCY

LIQUID REMOVAL EFFICIENCY	3 microns and larger – 100%
	Smaller than three micron – 99.98%

SOLID REMOVAL EFFICIENCY	3 microns and larger – 100%
	0.5 to 3 microns – 99.5%

Turndown -100%

NOTES:

1. Quick opening closure (from reputed make subject to review of PTR) equal to full vessel diameter shall be provided, to meet the process and maintenance requirements.
- 2) Bidder to furnish filled in datasheet alongwith their offer.
- 3) **In case of any conflict, requirement mentioned in this Annexure-II shall supercede the requirement mentioned elsewhere in the specification**

☐ DEVIATION ☐ NO DEVIATION

VENDORS SIGNATURES WITH SEAL

BHEL FORMAT NO: PEMC-1042, REV.00		PO NO:					
		PACKAGE NAME: GAS CONDITIONING SYSTEM					
 BHARAT HEAVY ELECTRICALS LMTIED PROJECT ENGINEERING DIVISION RC PURAM - HYDERABAD -32	PACKAGE VENDOR :		DATE	PREP	CHKD	APPD	
	PROJECT :		VENDOR DOC.NO:			REV.	
	CUSTOMER :						
		SHEET 01 OF 01					