

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 | | |
| b) | DISHED END | | |
| c) | NOZZLE/SUMP | | |
| d) | PIPE CAP | | |
| e) | FILTER ELEMENTS | | |
| f) | VANE SEPARATOR | | |
| g) | DAVIT ASSEMBLY | | |

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 equal to full vessel diameter shall be provided, to meet the process and maintenance requirements, unless otherwise specified
- 2) Bidder to furnish filled in datasheet alongwith their offer.

☐ 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 04 | | | |