Manufacturer: -
BARTON FIRTOP ENGINEERING COMPANY LIMITED
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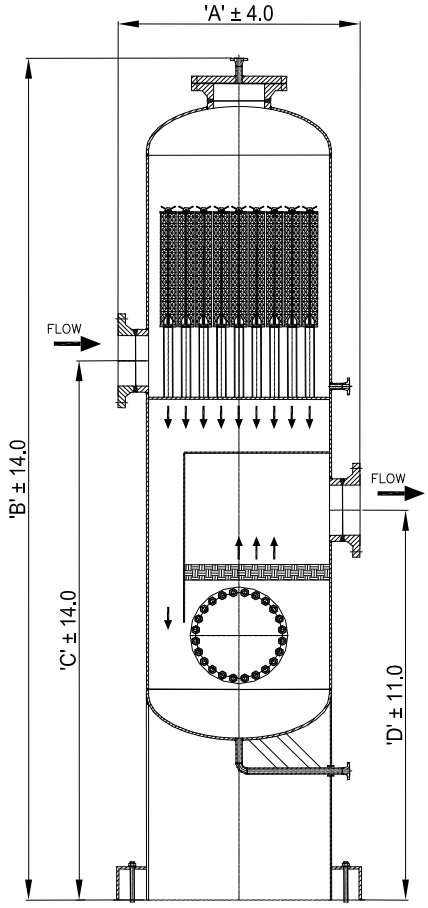
Data Sheet Number:
SDD/FSEP/R150/STL
Revision: **01**

All data is subject to confirmation at the time of order. Our policy is one of continual improvement and we reserve the right to amend details without prior notice

R/F - 150LB RATING – GAS FILTER SEPARATOR VESSEL



Sizes: 8" to 24" NB Inlet/Outlet

Pressure: ASME Class 150LB

Features:
- Liquid removal below 10µm droplet size.
- Ultra fine solids removal down to 0.3µm
- Low Initial Pressure Drop.
- Internals removable through Manways.

Options:
- Demister Pad material to suit Process.
- Alternative Vessel materials available.
- Valves & Instrumentation to suit application.

Standards:
- ASME VIII / P.E.D. Design Codes.

Materials of Construction*

Item	Carbon Steel	Stainless Steel
Shell / Body	ASTM A516 Gr.60	ASTM A240 316(L)
Flanges	ASTM A105N	ASTM A182 316(L)
Dished End Caps	ASTM A105N	ASTM A182 316(L)
Nozzles	ASTM A516 Gr.60 / ASTM A106B	ASTM A240 316(L) / ASTM A312 316(L)
Manway Blind Cover Flange	ASTM A105N / ASTM A516 Gr.60	ASTM A182 316(L) /
Internal Mountings	ASTM A240 316(L)	ASTM A240 316(L)
Cartridges/Pads	HAST	*Haver Standard* Demister Pad. Multi-media.

* Materials can vary according to Process/Customer requirements.

Inlet / Outlet Size N.B.	A' Face to Face (mm)	B' Overall Height (mm)	C' Inlet Height (mm)	D' Outlet Height (mm)	Vessel O/Dia (Inch)	Max. Flow Rate m^3/h
8" (200)	1000	4550	2650	2000	**24"**	2055
10" (250)	1200	4775	2800	2025	**30"**	3260
12" (300)	1375	6025	3950	3050	**36"**	4410
14" (350)	1475	6300	4175	3175	**40"**	5390
16" (400)	1625	6875	4325	3175	**46"**	7255
18" (450)	1825	7250	4525	3250	**52"**	9355
20" (500)	2025	7600	4750	3350	**60"**	11870
24" (600)	2275	8225	5250	3600	**70"**	17375

For alternative Pressure ratings consult other Data Sheets in our range.

Model Number Derivation: -
The model number can be derived as follows:

A/ * / R** / *** / GFS**

GFS denotes Gas Filter Separator

Inlet Size i.e.300 denotes 12"

Pressure Rating i.e. R15 denotes 150LB

Vessel Material i.e. "516" denotes Carbon Steel, "240" Stainless Steel