The Forbes Marshall Moisture Separator, FMSEP54, is a carbon steel baffle type separator used for the removal of entrained liquids in steam, so that they can be drained away as condensate.

Sizes and Connections
Sizes: DN 25, 40, 50, 65, 80, 100, 125,150 and 200
Flange Connections
BS 10 Table F, H, J, K, ASME B 16.5
Class 150, 300, PN 10,16, 25 and 40

Notes: Available with IBR test certificates, on request. Optional insulation packs are available that will increase the performance of the separator.

Limiting Conditions
Body design condition 32 bar g at 425 °C
Cold hydraulic test pressure 64 bar g
Min. Operating temperature -10°C

Flange Types
TAB ‘F’ 21 bar g at 232 °C 425 °C at 10.5 bar g
TAB ‘H’ 32 bar g at 232 °C 425 °C at 17 bar g
TAB ‘J’ 32 bar g at 232 °C 425 °C at 24 bar g
TAB ‘K’ 32 bar g at 232 °C 425 °C at 31 bar g
ASA 150 19.6 bar g at 38 °C 425 °C at 5.5 bar g
ASA 300 51.1 bar g at 38 °C 425 °C at 28.8 bar g
PN 10 10 bar g at 200 °C 425 °C at 5.65 bar g
PN 16 16 bar g at 200 °C 425 °C at 9.1 bar g
PN 25 25 bar g at 200 °C 425 °C at 14.25 bar g
PN 40 40 bar g at 200 °C 425 °C at 22.8 bar g

Operating Range

How to Order
Example: 1 no. DN 40 Forbes Marshall Moisture Separator
C.S. FMSEP54 Flanged BS 10 Table “K” IBR

Installation
Install in a horizontal pipeline with the drain directly below.
Note: To ensure that any separated liquid is drained away quickly, a suitable steam trap must be connected to the drain connection. Consult Forbes Marshall for further details.