



# PESFLOW MOISTURE SEPARATOR

## INTRODUCTION

Pesflow's **Fabricated Moisture Separator** strips entrained condensate and pipe-scale from your steam line before it can hammer, erode or corrode downstream equipment, slashing maintenance costs and boosting heat-transfer efficiency. Built by Perfect Engineering Services' steam-engineering experts, the unit combines a high-energy baffle layout with generous shell volume to give you maximum moisture knock-out at minimal pressure drop. Rugged carbon-steel construction, ASME compliance and fully flanged, drop-in connections make installation simple and worry-free. In short: longer equipment life, steadier process temperatures and lower fuel bills—all in one compact package.

## Technical Specifications

Item	Specification
Type	Fabricated, baffle-type moisture separator
Size Range	25 NB, 40 NB, 50 NB, 65 NB, 80 NB, 100 NB, 125 NB, 150 NB, 200 NB
Pressure Class	ASME #150 and #300 flanged (SORF) ends
Max. Operating Pressure	13 kg/cm <sup>2</sup> g for #150 rating
Max. Operating Temperature	230 °C (for #150 rating)
Hydrostatic Test Pressure	26 kg/cm <sup>2</sup> g
Materials of Construction	Shell & Nozzles – ASTM A106 Gr.B (CS) Flanges – ASTM A105 (CS)
Drain Connection	25 NB flanged, positioned vertically below shell for trap module
Installation Orientation	Horizontal (steam flow left-to-right or right-to-left)
Compliance / Certification	Supplied with IBR certificate on request; designed to ASME standards
Typical Efficiency	≥ 98 % free moisture removal at rated flow*
Standard Finish	Exterior shop-primer; customer-specified paint optional



### Address

Head Office:

Perfect Engineering Services

C-601, Badhwar Apartments, Plot No.3, Sector-6, Dwarka, New Delhi-110075

Ph: +91-9891016735 | +91-9350216735 | +91-9999991337 | +91-9811557391

vksood@perfect.org.in | solutions@perfect.org.in

[www.perfectengineeringservices.co.in](http://www.perfectengineeringservices.co.in)