

Mist Eliminator-Single Pocket (Hooked) Vane Pack
Introduction

Single pocket (hooked) vane pack is a high efficiency vane type mist eliminator designed with a single pocket on each vane to improve droplet capture performance. The pocket geometry forces the gas stream to follow a sharper and longer flow path, significantly increasing droplet impingement and coalescence compared to plain vanes. This design provides an excellent balance between high separation efficiency and moderate pressure drop, making it suitable for clean to mildly fouling services where improved mist removal is required without excessive hydraulic resistance.

Features

- Well performance in services with viscous or foaming (liquids, or solid contaminants)
- High gas capacity
- High gas velocity
- Effective removal due to minimized turbulence
- Easy assembly and disassembly in blocks
- High liquid load
- Made of high quality stainless steel
- Moderate resistance to fouling
- Low pressure drop
- Moderate solid handling capacity
- High efficiency
- Horizontal flow direction
- Housing recommended

Applications

- Fouling service
- Coal gas absorption
- Flue gas desulfurization
- Chemicals
- Pharmaceuticals
- Sulfuric acid plant
- Environmental protection

ESP Single Pocket (Hooked) Specification

Type No.	Removal Range	Fouling Res.	Product Code
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ESP-VH-201	12	Reasonable	P210202011
ESP-VH-202	12	Reasonable	P210202021
ESP-VH-203	12	Reasonable	P210202031
ESP-VH-251	15	Reasonable	P210202041
ESP-VH-252	15	Reasonable	P210202051
ESP-VH-253	15	Reasonable	P210202061
ESO-VH-401	20	Good	P210202071

