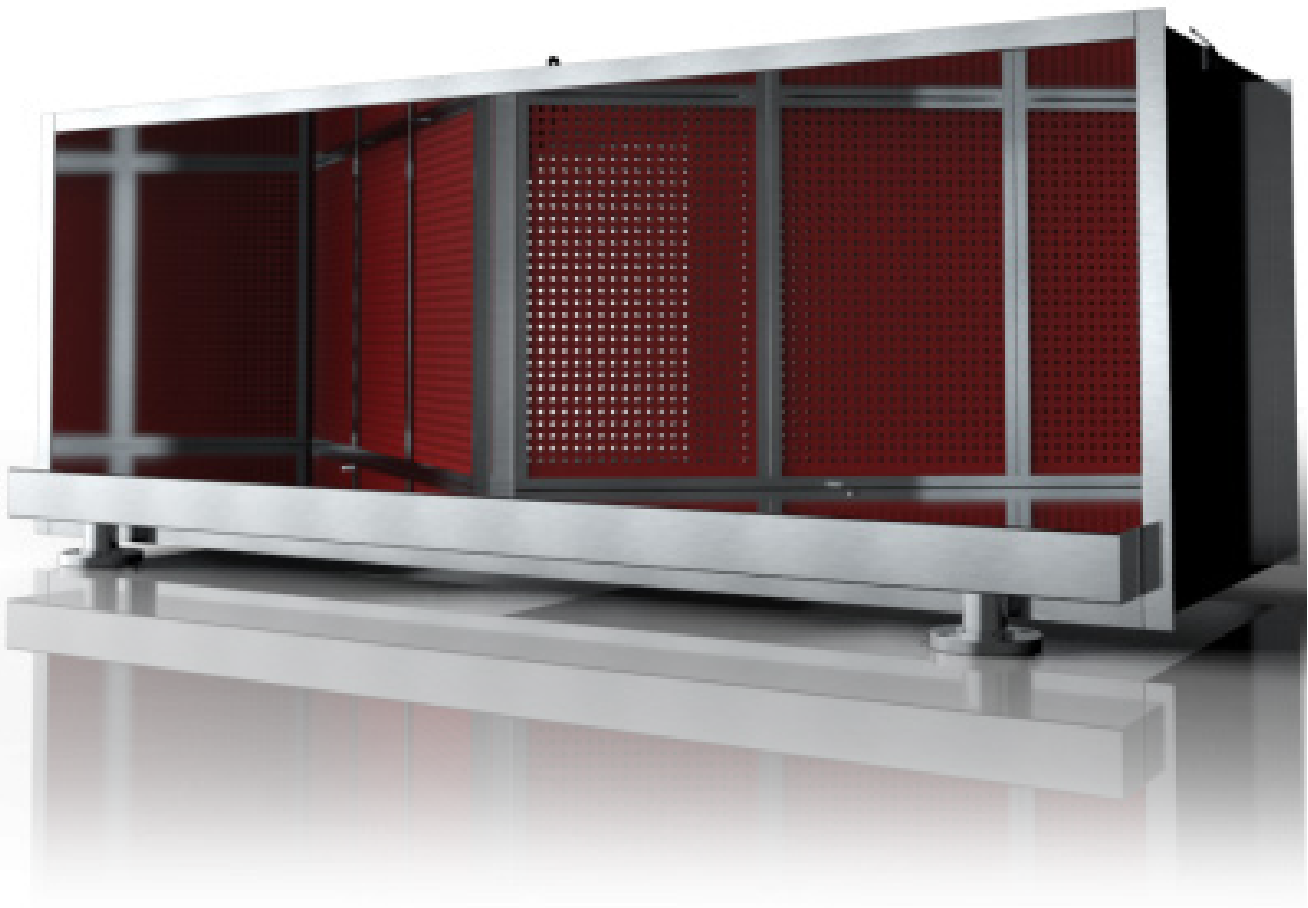


Woz-X Separator

The Woz-X Separator is designed to remove oil and vapour mist drawn through extract ventilation ducts serving shale shakers and mud pit/mud tank areas.



Woz-X Separator

The unit employs the unique X-Cyclone® separator panel which is fabricated in stainless steel grade DIN 1.4307 (304L) or aluminium. The blade arrangement has an optimised profile for laminar airflow.

A single stage separator can be installed into existing extract systems or designed for new applications. Where very high levels of oil and mist separation are required a three stage separator is available. If required the Woz-X Separator can be packaged with extract fans.

The Woz-X Separator can be installed into existing extract systems at significantly less cost as it is a static device. Separated oil and vapour mist can be returned to the shale shaker or mud tank. The only operational cost associated is with periodic cleaning of the separator panel(s).

Technical Information

Minimum Size

400W x 400H x 250D

Maximum Size

No maximum size

Materials of Construction

Casing and Flanges:

Materials

Stainless Steel 304L/316L (1.4307/1.4404)

X-cyclone panel only available in SS304

Thickness

Minimum 3.0 mm/ 5.0 mm

Fully welded

Flange drilling detail to ISO 15138 or Client standard

Panel Orientation

Perpendicular to airflow or in V-shape formation

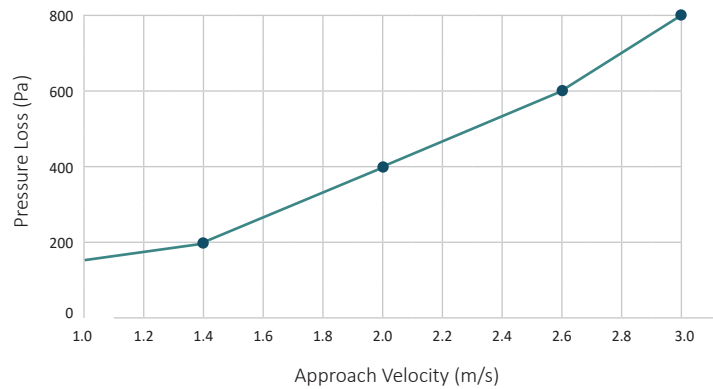
Maintenance

Routine cleaning is required for optimal performance.



Separator Pressure Drop Data

The recommended optimum maximum face velocity is 2 m/s giving a pressure drop of 400 Pa. The Woz-X separator can be run at up to 3 m/s.



Separator Performance Data

The capture efficiency for the separator has been tested to the requirements of VDI 2052.

Particle size in um	10	5	3	1	0.8	0.5
Mass proportion	8000	1000	216	8	6.1	1

*a 10 micron size particle weighs 8000 times more than a 0,5 micron particle

Ordering

Type: OMS	Duct Width: 800
Duct Height: 250	Case Depth: 600
Type Wozair: Oil Mist Separator	
Case Material: <u>Stainless Steel</u>	
Low Carbon	1.4307 = 304L
Low Carbon	1.4404 = 316L
Case Thickness: 3.0 mm minimum	
Order Code Example: OMS/316L/800W/600H/250D/3.0	



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