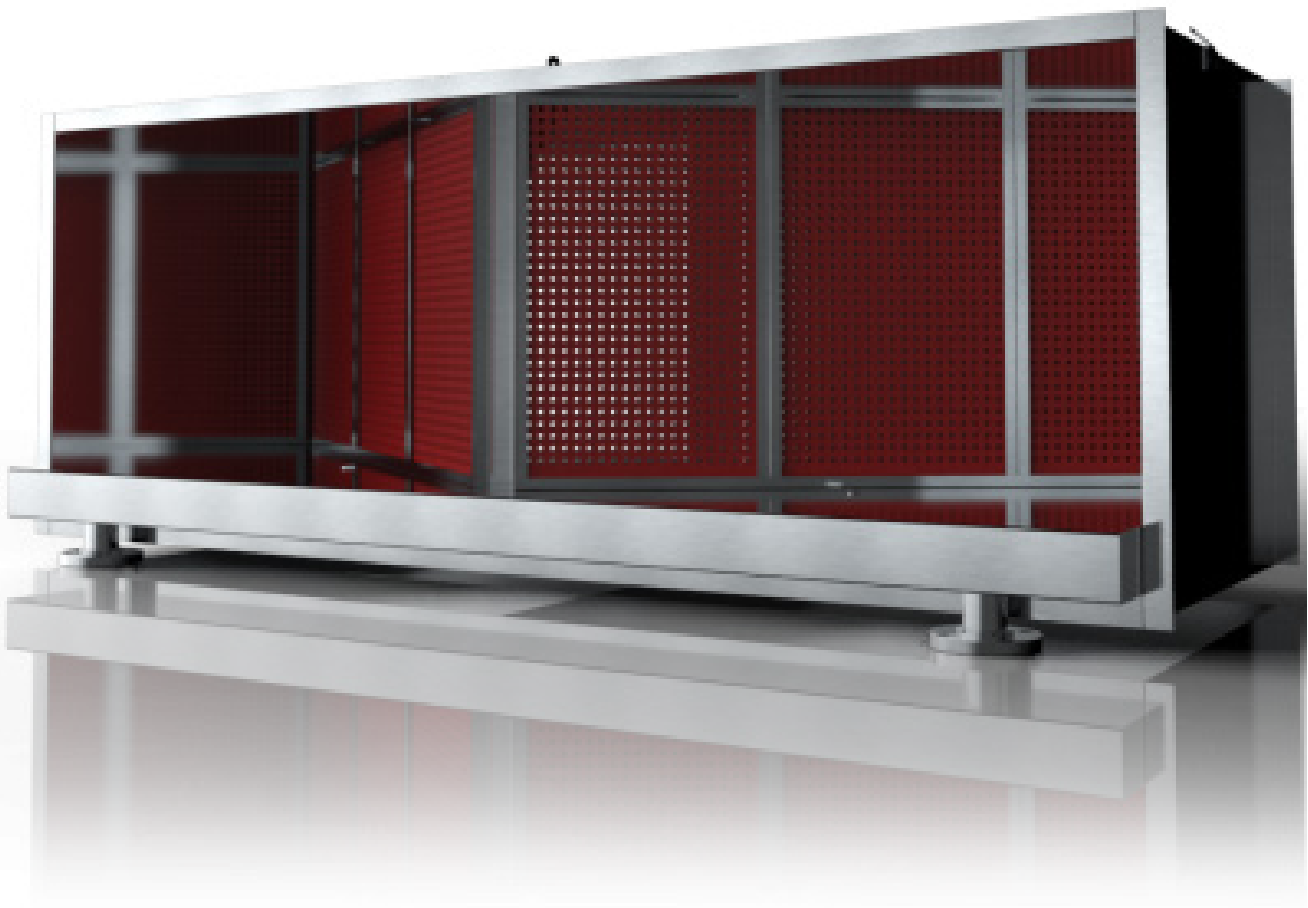


## Woz-X Separator

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

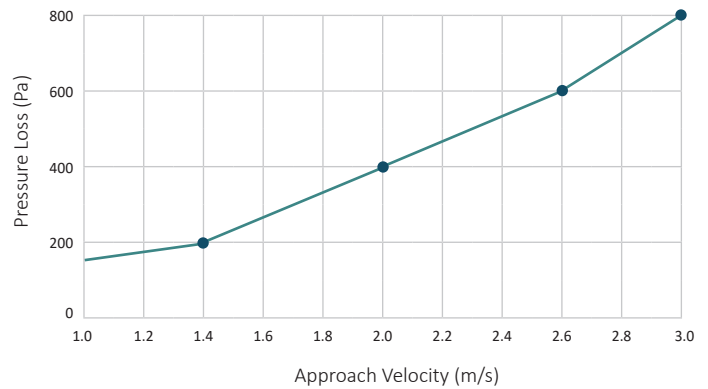
## Maintenance

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

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



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