



Condensate treatment for general industries



CPP Oil-Water Separator

Range



Piston compressors



Screw compressors



Removal of contaminants in compressed air condensate

- At the end of the compression process, when the air is cooled down, contaminated condensate is generated.
- Once the condensate has been removed from the compressed air, it still needs to be cleaned in order to be in-line with local environmental legislations.
- Oil-water separators separate both substances (water & oil), so the rinsed water can be discarded easily.
- The limited amount of oil has to be discharged in a specialized disposal center.

Technology	Oil - Water Separator
Use	Continuous
Air quality	Oil - Water separation
FAD	126 – 8496 m3/h with dryer 162 – 10476 m3/h without dryer
Weight (empty)	4 - 60 kg
Dimensions (in mm)	CPP 40: 470 x 165 x 600 CPP 100: 680 x 255 x 750 CPP 150: 680 x 255 x 750 CPP 360: 750 x 546 x 900 CPP 615: 750 x 546 x 1030 CPP 850: 945 x 650 x 1100 CPP 1200: 945 x 695 x 1100 CPP 2430: 945 x 1185 x 1100

Key user benefits

Air purity degree					
ISO 8573-1 Class	Dust		Water		Oil
	Dimension	Concentration	Dew point	Water content	Concentration
1	0,1 µm	0,1 mg/m ³	-70 °C	0,003 g/m ³	0,01 mg/m ³
2	1 µm	1 mg/m ³	-40 °C	0,11 g/m ³	0,1 mg/m ³
3	5 µm	5 mg/m ³	-20 °C	0,88 g/m ³	1 mg/m ³
4	15 µm	8 mg/m ³	+3 °C	6,0 g/m ³	5 mg/m ³
5	40 µm	10 mg/m ³	+7 °C	7,8 g/m ³	25 mg/m ³
6	n.a.	n.a.	+10 °C	9,4 g/m ³	n.a.

Quality Air Solutions



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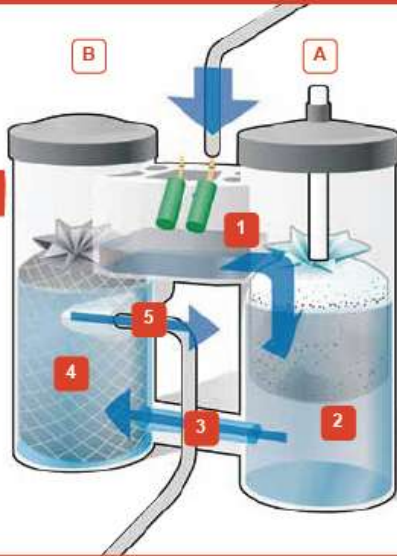


Quality Air Solutions



Innovative design concept

- 1 Condensate enters through mufflers and depressurizes in the expansion chamber
- 2 Tower A: White oleophilic filter
- 3 Cleaner condensate enters tower B
- 4 Tower B: Active carbon filter
- 5 Clean condensate



Benefits

Separating the oil from the condensate avoids high treatment costs.

Local laws often prohibit draining condensate with high content of hydrocarbons.

The treatment of contaminated waste represents:

- a difficult management
- an important cost
- local storage
- maintenance of appropriate registers, where required

