



Application

Contec COMS (Contec Oil Mist Separators) for the extraction and filtration of oil mist are used for large-scale compressors, gas and steam turbines, generators and other equipment with oil systems to ensure clean, oil-free exhaust air. 99.98% of solid and liquid particles and aerosols down to 0.1 micron are removed and high-quality oil can be regained. The COMS high-efficiency filter system prevent the emission of oil mist into the atmosphere and therefore guarantee oil-free technically absolutely clean exhaust air. Additionally due to the coalescing effect high-quality lubrication oil including all its additives is regained and recycled into the process.

Material

Housing	<ul style="list-style-type: none"> • Steel S235JR, fully galvanized, outside painted or • Stainless steel 316/316L, glass bead blasted or painted • Internal parts aluminium, no brass or copper or out of stainless steel
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General specification

Housing	Ø 500 x 1.258 mm
Pillar tube	300 mm
Dimensions	1.300 x 606 x 1.698 mm (L x B x H)
Inlet flange	DN 150 PN 16 or 4" ANSI 150 lbs RF
Exhaust	4" pipe socket with IG, DN 100 PN 16 or 3" ANSI 150 lbs RF
Weight	ca. 350 kg
Operation pressure	max. -0,2 to 0 bar
Operation tem.	max. 60 °C



Filter elements

Glass fibre fleece with inorganic binder

Type	COMS-7500-XL-50 or -70
Quantity	18 off
Separation degree	99,98 % at 0,1 droplet size, Residual oil content < 0,1 mg/m ³ *

* tested by the Institute of Energy and Environmental Technology e. V. (IUTA) in Duisburg in accordance with ISO 12500-1:2007e

E-Motor

Power	5,5 kW
Voltage	400/690 V, 50 Hz
IP rating	IP 55

Available as "G"-series with foreign motor acc. specification

Side channel blower

Sound Pressure Level	77 dB(A) at 50 Hz
Flow rate	710 Nm ³ /h at -60 mbar Δp 50 Hz 880 Nm ³ /h at -60 mbar Δp 60 Hz

Scope of supply

The CONTEC-Oil Mist Separator are supplied fully assembled and ready for installation including:

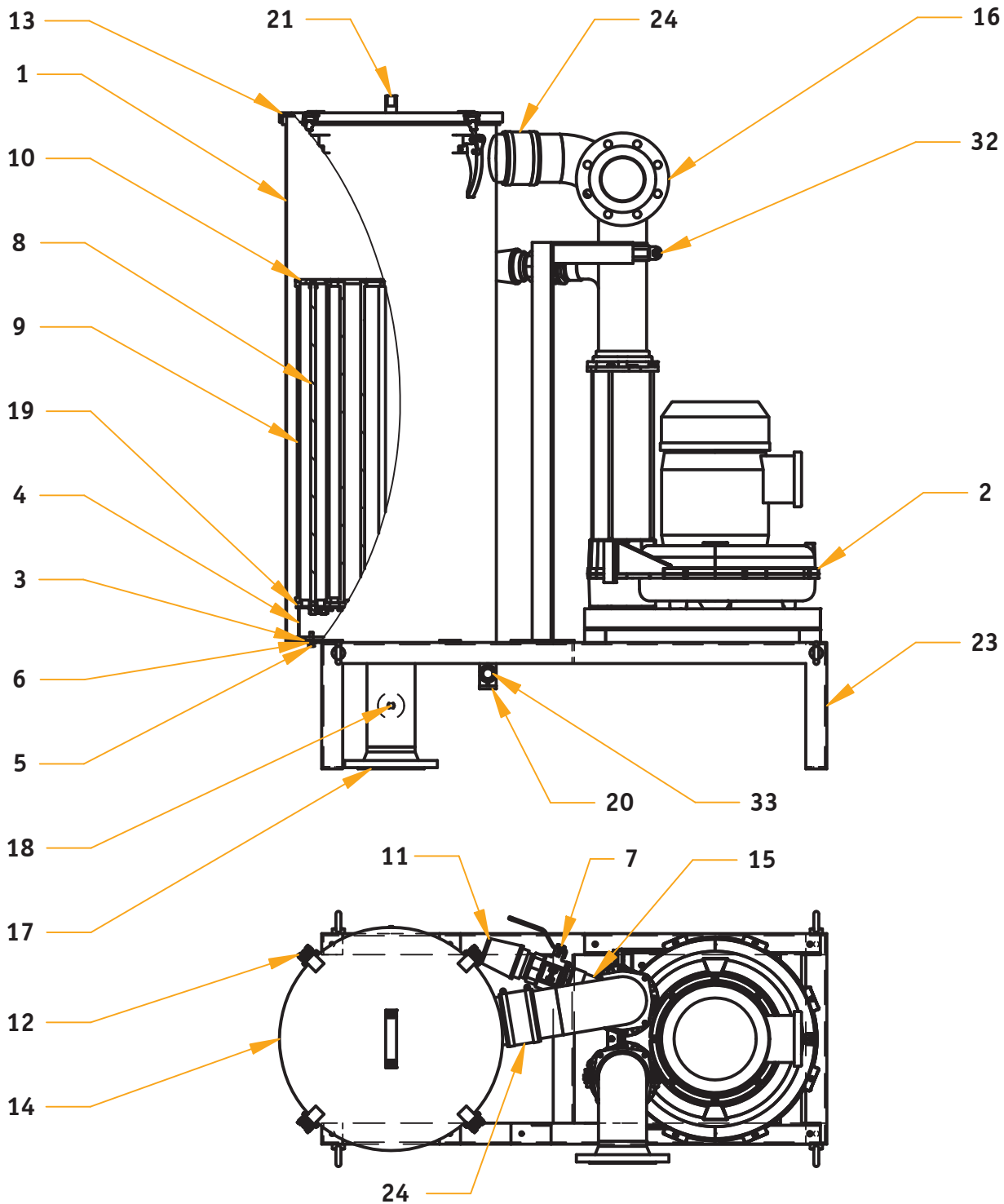
- One set of filter elements
- Negative pressure gauge
- Hand ball valve for negative pressure control
- Air suction filter
- Oil sight flow glass

Options

- Ex/ATEX
- Redundant series (2 x 100 %)
- Integrated bypass
- Recirculator
- Series without motor/blower unit
- Adapter flange tube for inner oil return flow

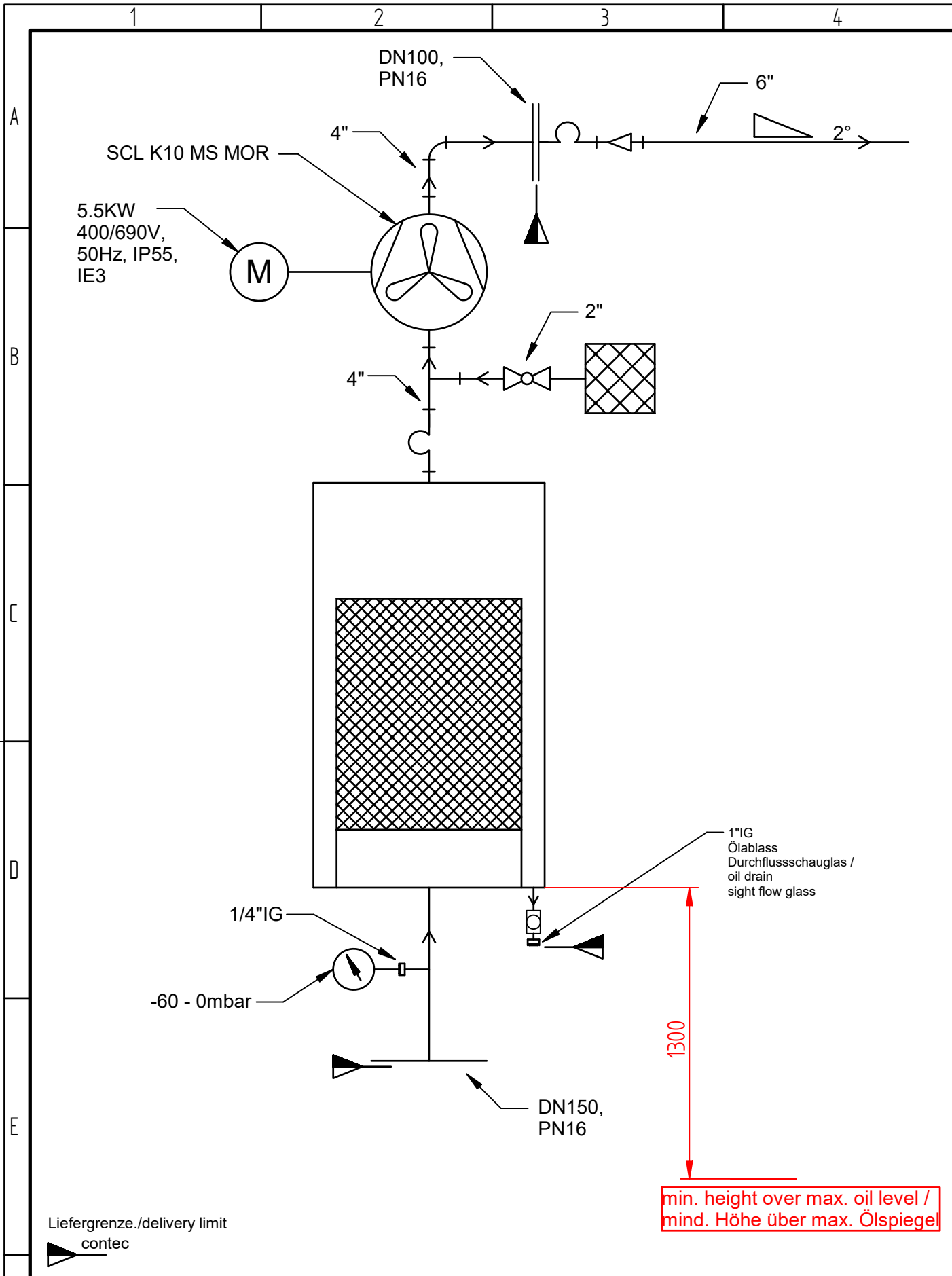


Oil Mist Separator type 7500/762



The installation

- | | | |
|------------------------|-----------------------------|---------------------------|
| 1. Housing | 12. Catch | 23. Base Frame |
| 2. Side channel blower | 13. O-Ring | 24. Compensator |
| 3. O-Ring | 14. Housing Cover | 25. --- |
| 4. Filter base | 15. Inlet T-Piece | 26. --- |
| 5. Fastening Screw | 16. Exhaust | 27. --- |
| 6. Seal | 17. Pillar Tube with Flange | 28. --- |
| 7. Hand Valve | 18. Negative Pressure Gauge | 29. --- |
| 8. Tie Rod | 19. Filter Element Base | 30. --- |
| 9. Filter element | 20. Oil Drain Connection | 31. --- |
| 10. Retaining Cap | 21. Lifting Handle | 32. Pipe Clamps |
| 11. Air-Suction-Filter | 22. --- | 33. Oil drain sight glass |



Liefergrenze./delivery limit
 contec

min. height over max. oil level /
 mind. Höhe über max. Ölspiegel

Refer to protection notice ISO 16016 /
 Schutzvermerk nach ISO 16016 beachten

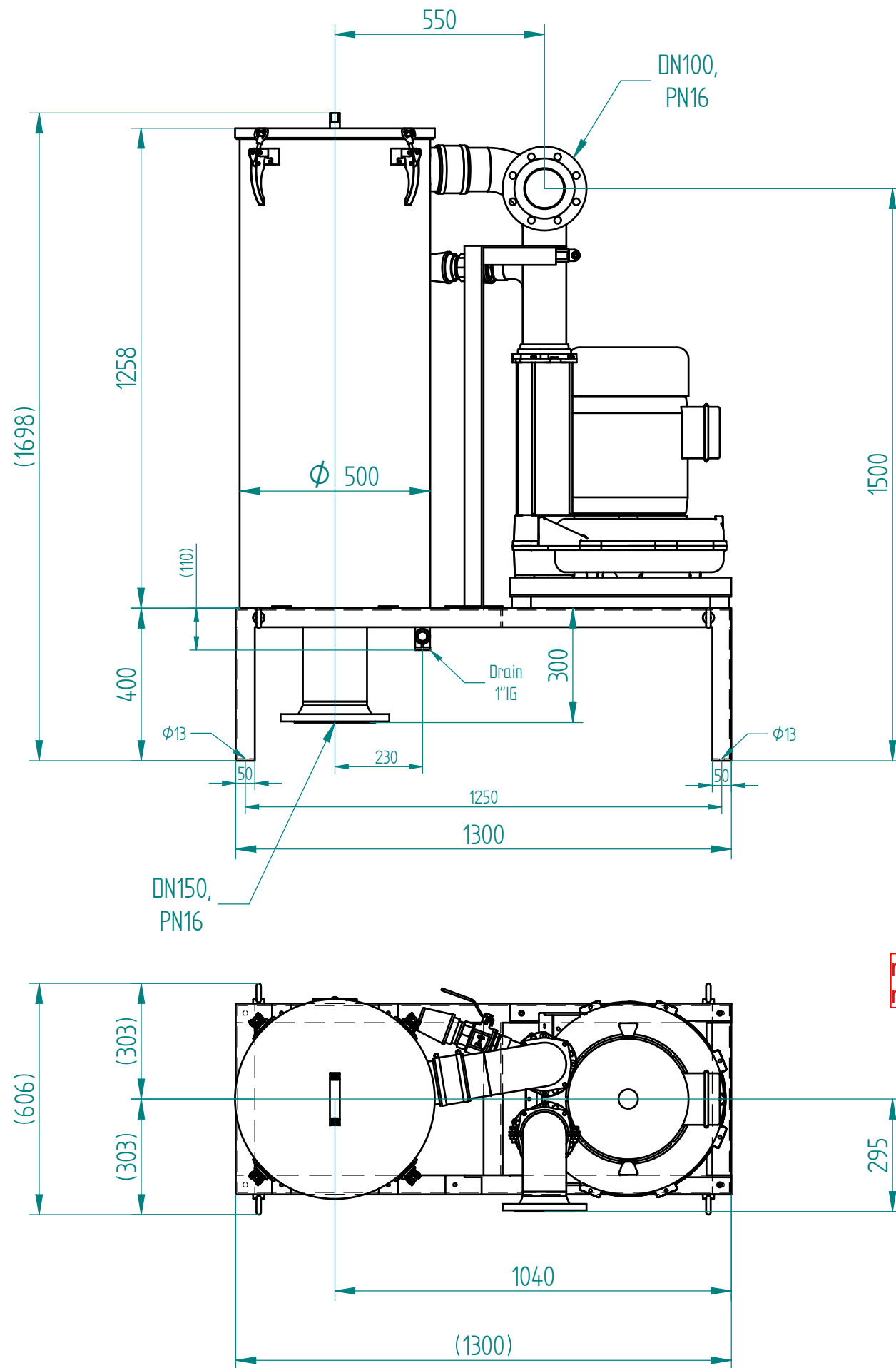
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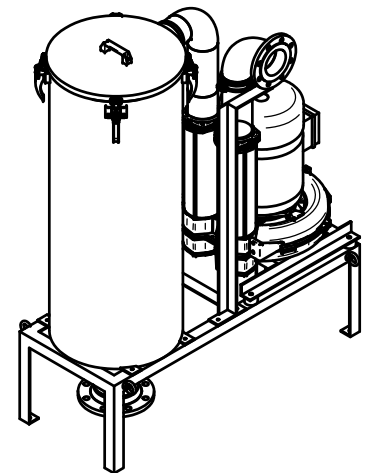
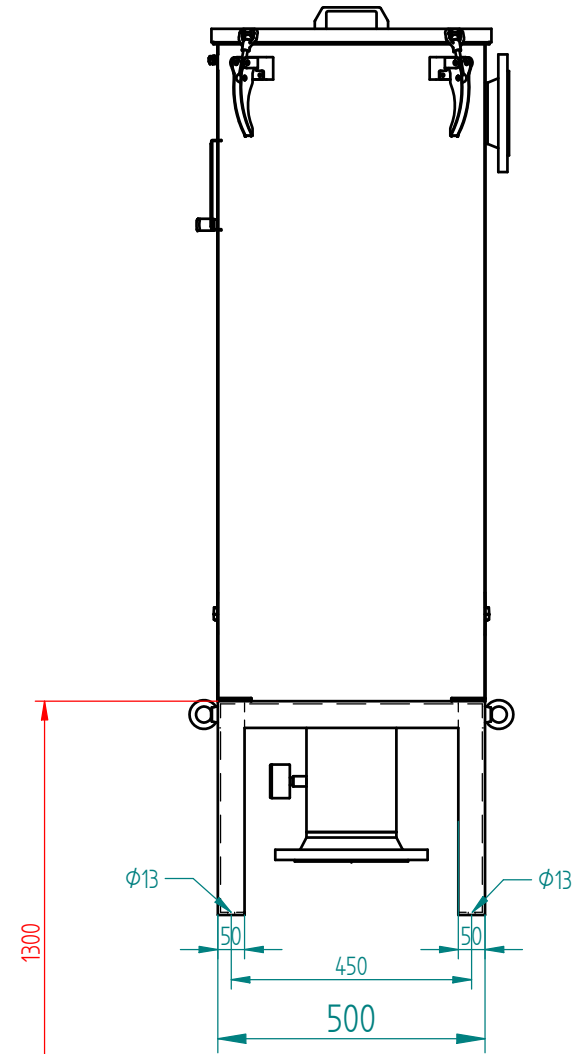
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Oil mist separator / Ölnebelabscheider				
Revision	00	01	02	03
Date	06.07.2020			
Designed by	Pützstück			
Checked by				
Approved by				
clean solutions on demand®				

	Scale / Maßstab : 1:1
	Material / Werkstoff :
Description / Bezeichnung	
7500-762-M04	
Project code / Projekt Kennwort	Drawing/Job no. / Zeichnungs/Auftragsnr.
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min. height over max. oil level /
mind. Höhe über max. Ölspiegel!



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