



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	• 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 400 x 1.013 mm
Pillar tube	300 mm
Dimensions	1.073 x 465 x 1.350 mm (L x B x H)
Inlet flange	DN 100 PN 16 or 4" ANSI 150 lbs RF
Exhaust	3" pipe socket with IG, DN 65 PN 16 or 2 1/2 - 3" ANSI 150 lbs RF
Weight	ca. 125 kg
Operation pressure	max. -0,2 to 0 bar
Operation tem.	max. 60 °C

Filter elements

Glass fibre fleece with inorganic binder

Type	COMS-3000-XL-50
Quantity	9 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

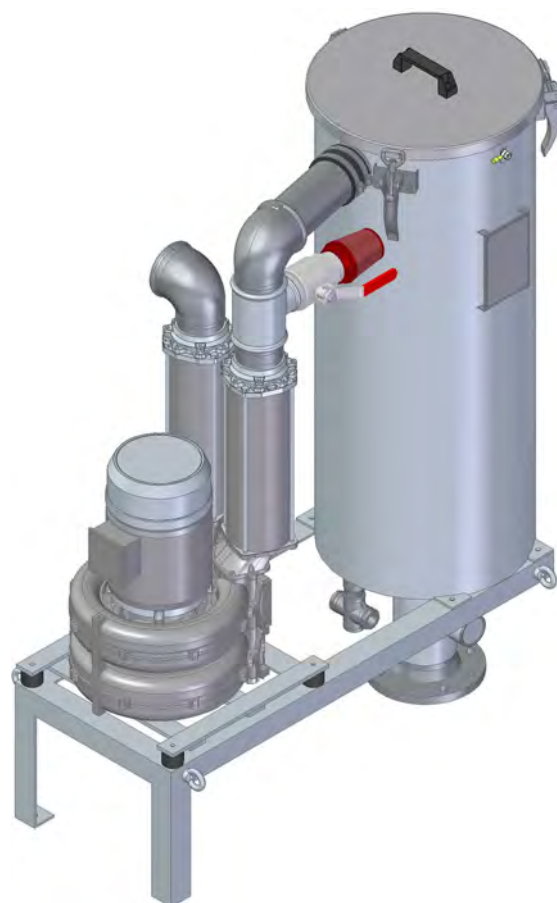
E-Motor

Power	3,0 kW
Voltage	230/400 V, 50 Hz
IP rating	IP 55

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

Side channel blower

Sound Pressure Level	70 dB(A) at 50 Hz
Flow rate	340 Nm ³ /h at -60 mbar Δp 50 Hz 440 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:

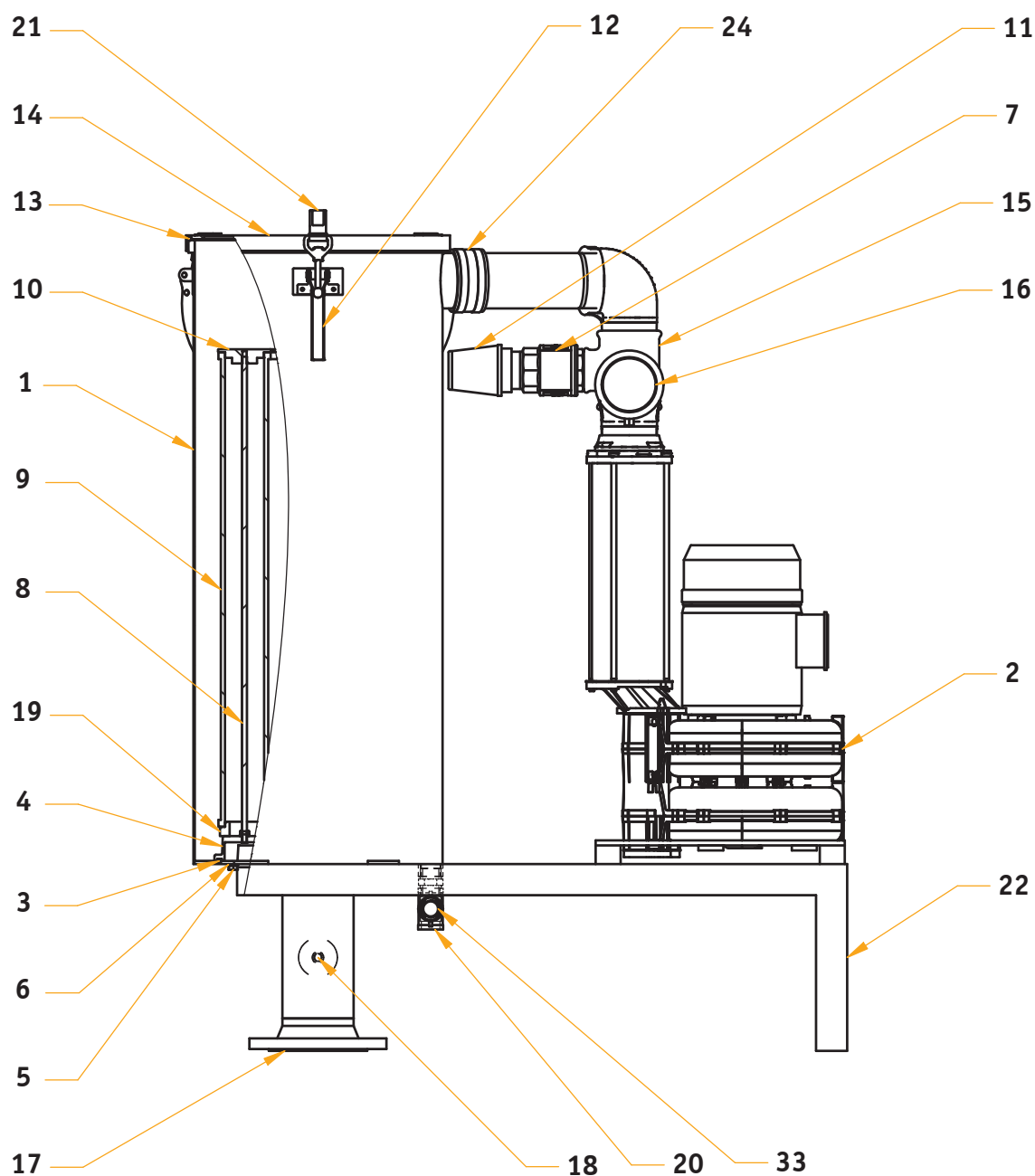
- One set of filter elements
- Negative pressure gauge
- Hand ball valve for negative pressure control
- Air suction filter
- Oil sight flow glass

Options

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

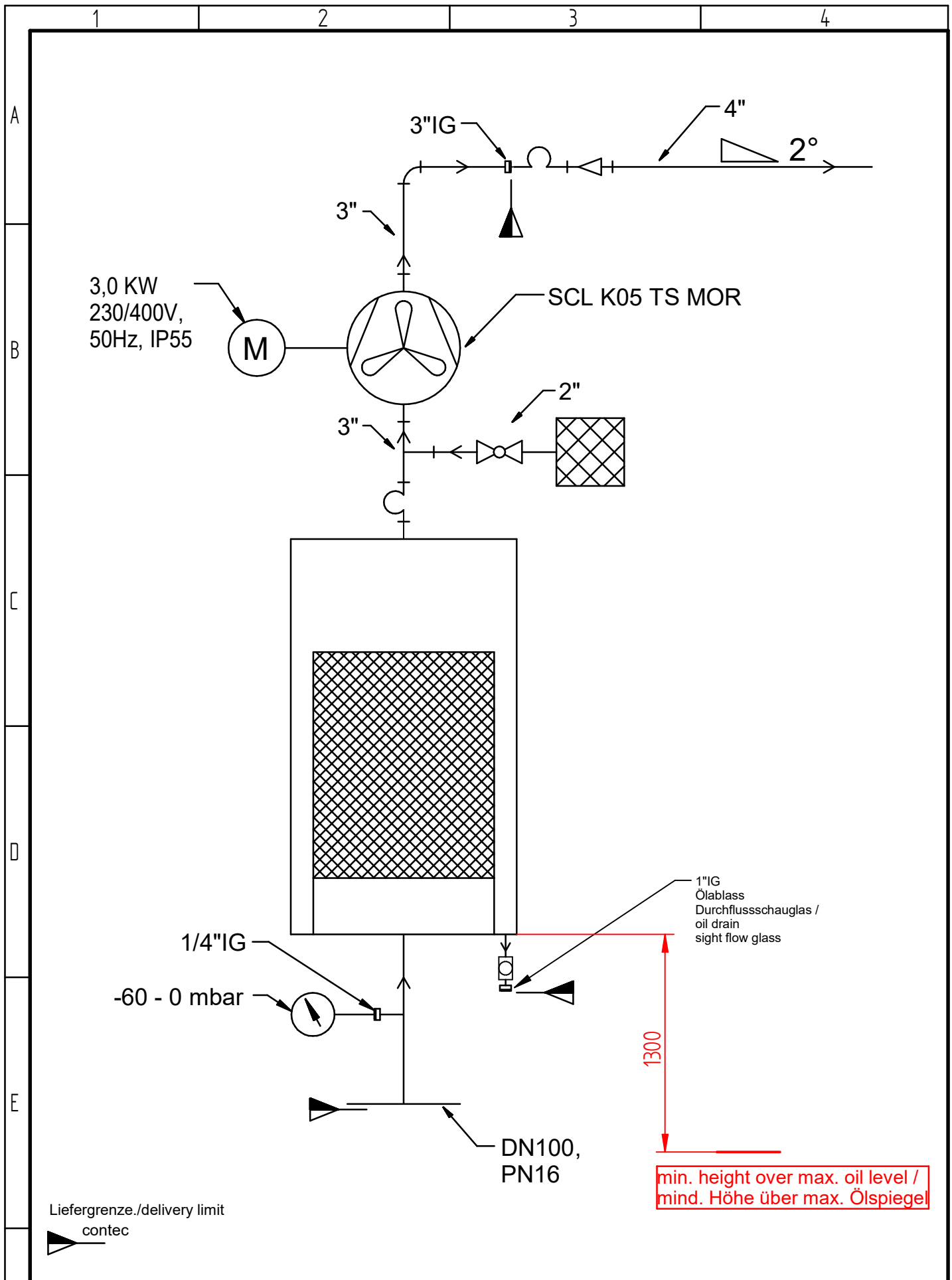


Oil Mist Separator type 3000/762



The installation

1. Housing	12. Catch	23. ---
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. ---
11. Air-Suction-Filter	22. Bracket	33. Oil drain sight glass



Refer to protection notice ISO 16016 /
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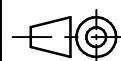
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Oil mist separator / Ölnebelabscheider

Revision	00	01	02	03
Date	20.12.2019			
Designed by	Pützstück			
Checked by				
Approved by				

contec:
clean solutions on demand®

Project code / Projekt Kennwort



Scale / Maßstab : 1:1

Material / Werkstoff : S235JR

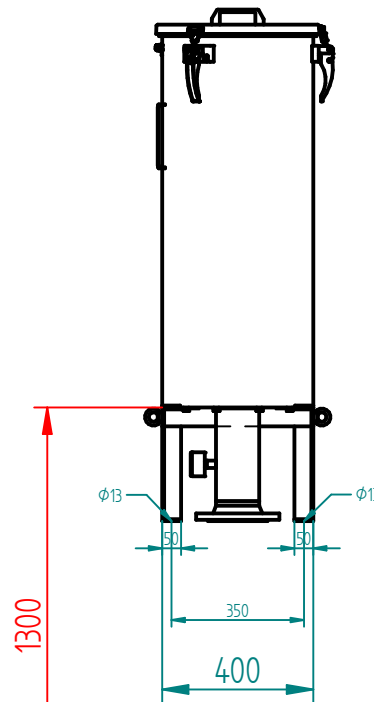
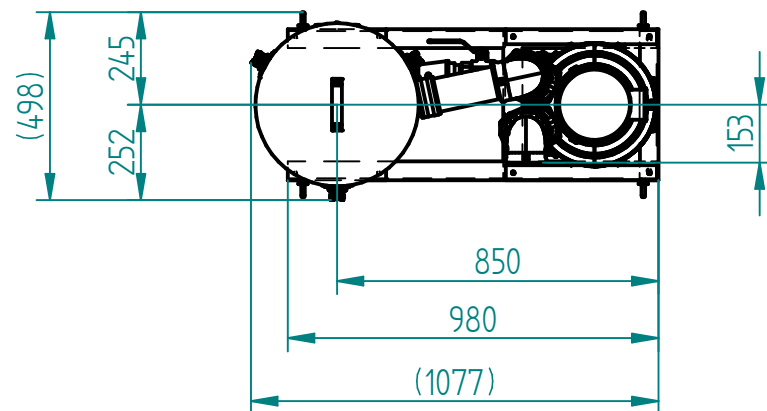
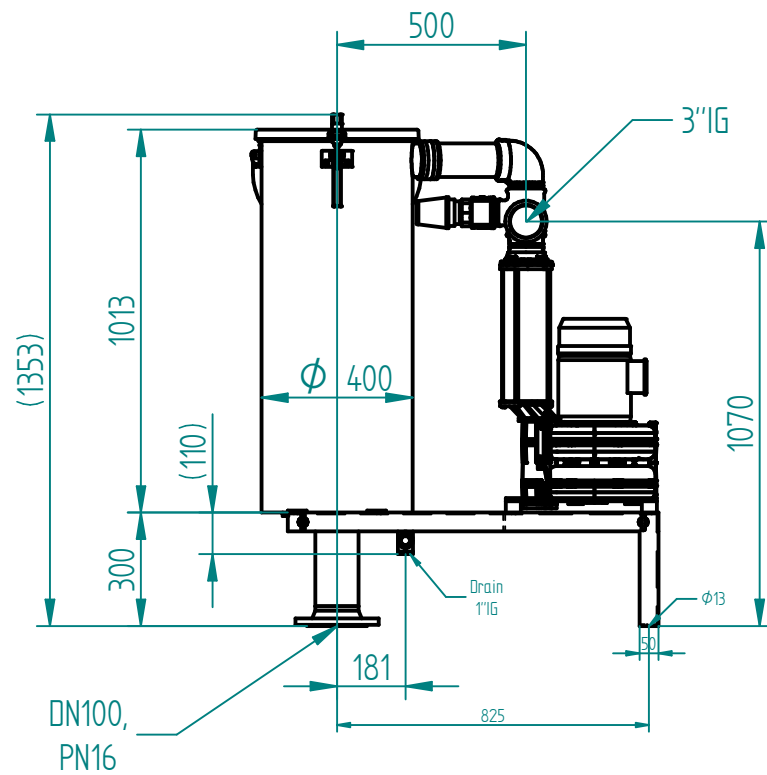
Description / Bezeichnung

3000-762-M04

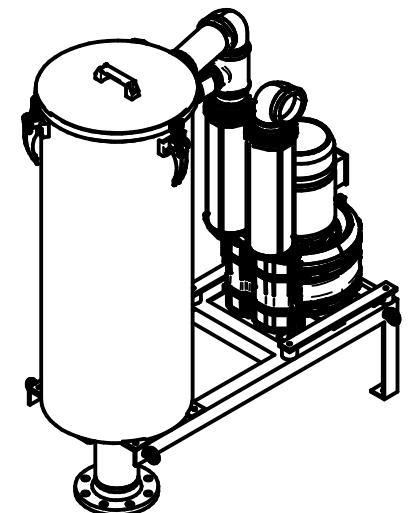
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min. height over max. oil level /
mind. Höhe über max. Ölspiegel



Refer to protection notice ISO 16016 / Schutzvermerk nach ISO 16016 beachten		Oil mist separator / Ölnelabscheider						Scale / Maßstab : 1:20
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		Date	20.12.2019					Description / Bezeichnung 3000-762-M04
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