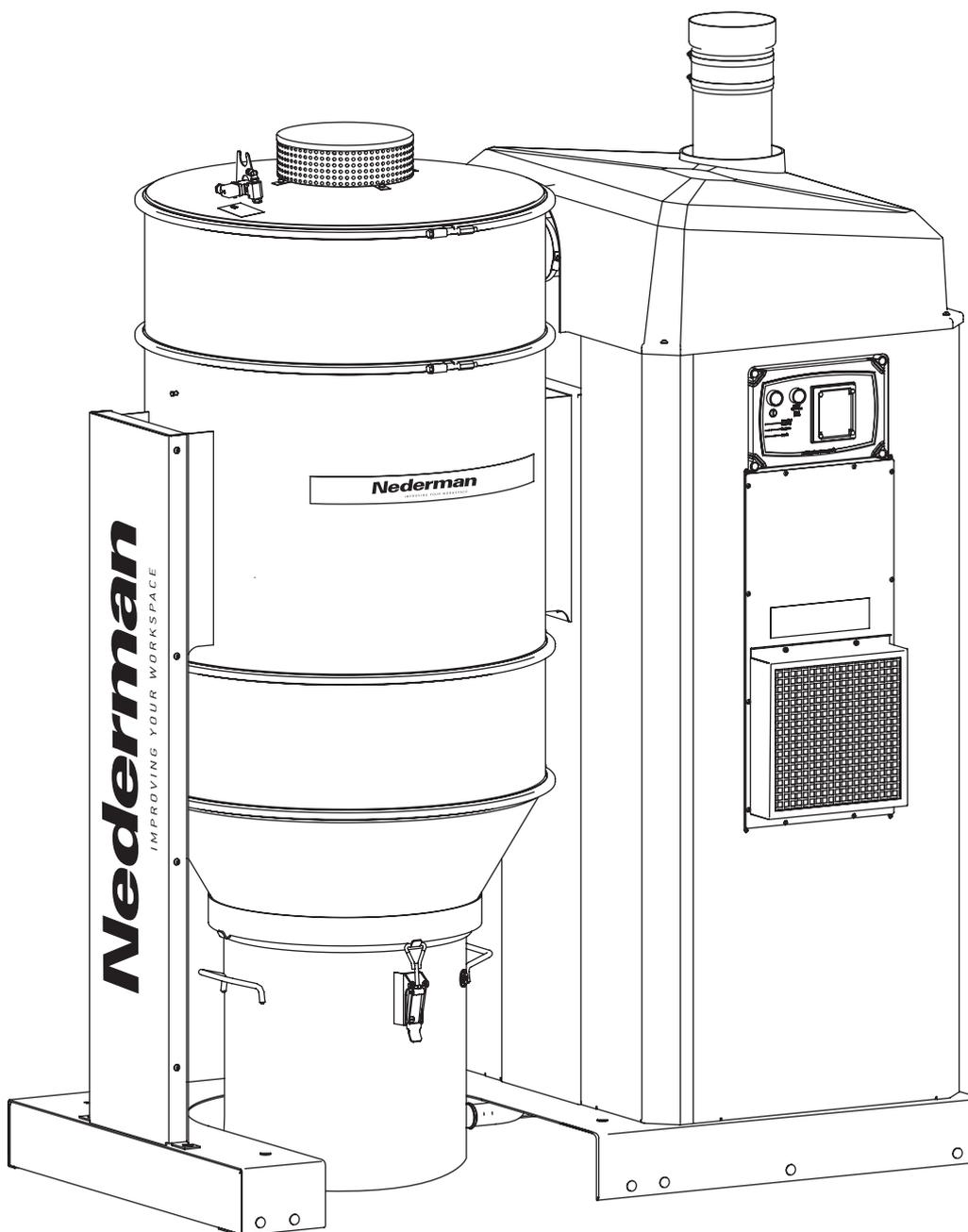


FlexPAK Fan Kit

Nederman

IMPROVING YOUR WORKSPACE

Instructions for changing the side channel fan in the FlexPAK Unit



VACUUM UNITS

Mounting Instruction

144509(00)
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 Ensure that the power is being switched off.

 Service and maintenance must only be performed by skilled personnel.

Note! A lifting device is needed to handle the job.



1) Disconnect power and remove the exhaust pipe.



2) Remove the top cover.



3) Remove the right panel.



4) Remove the rear panel. Note! Unscrew the lower screw securing the panel to the base plate. Screw is accessed via the opening for the forklift.



5) Disconnect the pressure transducer



6) Remove the flexible hose between the motor and inverter housing



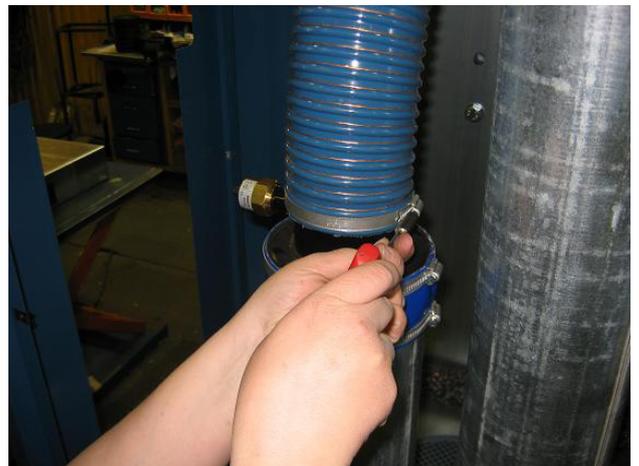
7) Remove the vacuum valve cover, and disconnect the wires. Note! Mark the position of the wires for correct re-assembly.



8) Unscrew the gland nut and remove the PT100 sensor rod.



9) Disconnect the fan mains cable. (Please note and mark cables for proper re-connection). NOTE! Remove cable gland from the terminal lid. The old lid cannot be re-fitted on the new fan. NOTE! Cable shield is connected to the cable gland for proper EMC protection.



10). Loosen the hose clamp and disconnect the flexible hose from the inlet silencer.

FlexPAK Fan Kit



11) Remove the upper hose clamp between the adapter and silencer pipes.



12) Remove the two silencers (up and out).

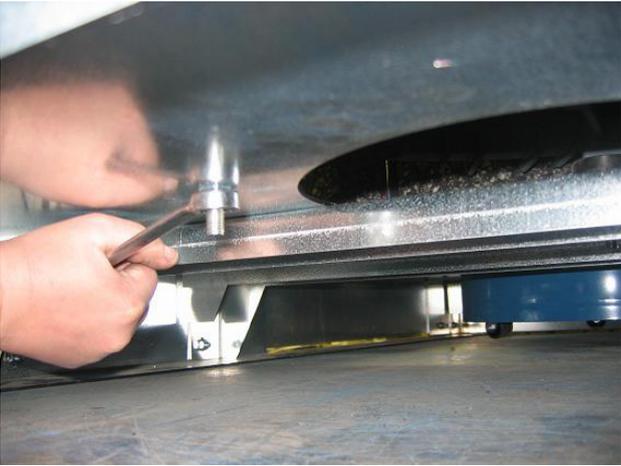


13) Unscrew the three remaining sheet metal screws securing the fan cover and remove it so it does not interfere with the fan (tilt up and out).



14) Unscrew and remove the two adapters for the silencers. Remove the remains of the sealant.

FlexPAK Fan Kit



15) Unscrew the nuts securing the fan to the base. Access via the fork lift entry.



16) Carefully lift the fan out. Pay attention not to damage the vibration absorbers as they will be reused (NOTE! Fan weight: approx 130 Kg).



17) Fit the old vibration dampers to the new fan. Do not forget the copper earth plate.



18) Fit the new fan into position.

FlexPAK Fan Kit



19) Secure the new fan to the base.



20) Apply the sealant shipped with the new pump. The sealant is a high temperature, silicone free sealant.



21) Refit the silencer adapters.



22). Refit the fan cover.



23) Refit the silencers and tighten the hose clamps.



24) Refit the flexible hose to the top of the intake silencer. Note! Ensure proper grounding by tightening the copper wire against the unpainted area of the adapter.



25) Reconnect the pressure transducer.



26) Refit the PT100 sensor rod.



27) Refit the vacuum limit valve and connect wires as follows:
Top terminal: Wire no. 3
Mid terminal: Wire no. 1
Lower terminal: Wire no. 2



28) Fit the flexible hose to the bracket. Ensure that the hose is pushed flush against the motor grid/cover.



29) Re-connect the power supply to the motor. NOTE! Ensure that the cable gland have contact with the cable shielding.

FlexPAK Fan Kit



30) Refit the rear panel. NOTE! Refit the lower corner screw.
Refit the side panel.



31) Fit the top cover.



32) Reconnect the exhaust piping and power supply.