



RX MARINE INTERNATIONAL

Total Solution Total Protection

AN ISO CERTIFIED COMPANY



Rxsol Turbo Cleaner Dry

Part/Order no: RXSOL-16-1035-25
Packing: 25 kg

Product Introduction::

RXSOL TURBO CLEANER DRY is blown by compressed air into the exhaust pipes before the turbocharger. This method of cleaning should be employed every 24 -48 hours of full-load operation. The interval between cleaning operations depends on the degree of contamination and on the increase in exhaust gas temperature after the turbine. Cleaning must be repeated if the gas temperature after the turbine on full load rises to 20°C (20 K) above the mean temperature. For a turbocharger with several gas inlets, the inlets should be cleaned one after the other. On engines with several turbochargers, these should be cleaned one after the other. The gas inlet temperature before the turbine must not exceed 580-590°C (853-863 K) in order to prevent severe burning of the RXSOL TURBO CLEANER DRY before the turbine. Since it is not possible to remove thick coatings with relatively small quantities of RXSOL TURBO CLEANER DRY, this method must be used more frequently. Injection of the RXSOL TURBO CLEANER DRY into the turbine is best performed at high turbocharger speed, to ensure efficient mechanical cleaning.

APPLICATIONS:

Instead of water, dry solid bodies in the form of granules like RXSOL TURBO CLEANER DRY are used for cleaning. A certain quantity of them, depending on the turbocharger size, is blown by compressed air into the exhaust gas lines before the gas inlet casing. On account of their hardness and composition (natural solid granules, size 1.3-1.7 mm.) RXSOL TURBO CLEANER DRY have an excellent mechanical cleaning effect (soft blast). As a rule, a turbine should be cleaned every 24 to 48 hours of operation.

INSTALLATIONS OF RXSOL Turbo Cleaner Dry CLEANING SYSTEM:

1. Before each gas inlet, an adequately dimensioned pipe flange has to be selected and installed in the exhaust gas line (welded or cast eye).
2. Manufacture of containers (same number as gas inlets) as shown in the following drawing (welded assemblies).
3. Mount the fittings such as valves and the like.
4. The container has to be mounted with the strap provided for this purpose at an easily accessible location, the cock or gate.
5. valve being at least 300 mm above the corresponding pipe flange in the exhaust gas line. Maximum distance between cock or gate valve and pipe flange/exhaust gas line: 1 m. Arrange the compressed-air pipe to the container.

CLEANING PROCEDURES:

1. For engine with several turbochargers, clean one after the other as follows:
2. Close the safety valve, tighten the valve cap. Open the cock/gate valve.
3. Open the compressed-air stop valve. Possible deposits and/or condensate in the connecting pipe are now blown out. Close the compressed-air.
4. stop valve after about 3 minutes.
5. Close the cock/gate valve.

6. Open the safety valve. The exhaust gas pressure in the container is thus relieved. Close the safety valve.
7. Remove the valve cap. Fill the container with the quantity of RXSOL Turbo Cleaner Dry product specified in the table of next page.
8. temperature before the turbine is < 590°C (863K). Open the cock/gate valve.
9. Open the compressed-air stop valve. The previously filled-in RXSOL Turbo Cleaner Dry are now blown in.
- 11.the compressed-air stop valve after 1 to 1,5 minutes. Close the cock/gate valve.
- 12.Open the safety valve. The exhaust gas pressure iin the container is thus relieved. Close the safety valve. This procedure (item 1 to 10) has to be repeated for any further turbocharger.
- 13.Cleaning should then be repeated at periodical iintervals of every 24 to 50 hours of operation.

GENERAL REGULATION:

- The gas inlet temperature before the turbine must be not exceed 580 - 590 °C.
- The boost pressure should be over 0,5 Bar.
- The drain openings in the gas outlet casing must remain closed during dry cleaning.
- The mean particle size of the cleaning granulate must be between 1.3 and 1.7 mm.

RXSOL Turbo Cleaner Dry is produced from hard shells of fruit stones that have been stabilized by drying and degreasing. Ligneous residues and foreign matter such as mineral or metallic particles are eliminated.RXSOL Turbo Cleaner Dry is the result of many years of practical experience in blending the raw material to achieve a highly homogeneous and efficient product.No chemicals are used in our production process.

The raw materials are only treated mechanically. Hence the use of RXSOL Turbo Cleaner Dry is perfectly safe and harmless. RXSOL Turbo Cleaner Dry is now produced with improved particle size tolerance of Ø 1,3 to Ø 1,7 mm.

CONTAINER		CONTAINER	CONTAINER
Size	Volume	Ca. 100 mm	Ca. 130 mm
I	Ca. 1 dm3	Ca. 150 mm	Ca. 170 mm
II	Ca. 3 dm3	Ca. 150 mm	Ca. 170 mm
III	Ca. 5 dm3	Ca. 180 mm	Ca. 200 mm