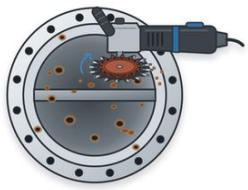
Heat exchanger cover - Refurbishment



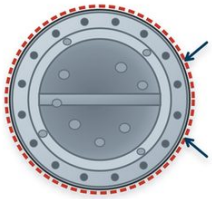


Rotating Blaster





Super Metal Filler

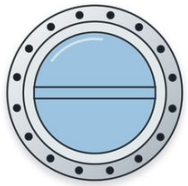


reference plate
cure, machine





1st coat

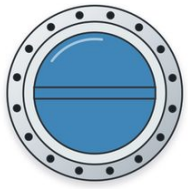


semi-cure





2nd coat



final cure

Restore corroded heat exchanger covers, rebuild damaged sealing surfaces and protect them against corrosion.

1. Remove and inspect the cover. Surface preparation acc. to SepcoTech standards - abrasive blasting is recommended.

2. Rebuild deep damage with SepcoTech Super Metal Filler. Minor pitting can be levelled with Super Guard with the cover positioned horizontally.

3. Apply Release Agent to a flat reference plate and press it against the uncured material on the sealing face. Allow curing, remove the plate and finish by machining.

4. Apply a stripe coat of SepcoTech Super Guard to edges, corners and welds, followed by the first full coat - 200 µm DFT. Keep gasket faces uncoated.

5. Allow semi-curing.

6. Apply a second stripe coat and the second full coat of Super Guard - 200 µm DFT (400 µm in total).

7. Allow final curing. Inspect, reassemble with a new gasket and pressure test.

Note: Flatness, gasket contact area and tolerances must always be verified. SepcoTech Aqua Guard may be used as an alternative where approved.

Includes AI generated images