

Introduction

Turbomolecular Pump

service solutions
from **EDWARDS**

Welcome

Your uptime is extremely important, and the reliability of your vacuum pump is crucial in achieving this. To ensure your pump remains reliable throughout its operating life, a solid maintenance regime is required so that it delivers the performance you need, when you need it. Depending on your vacuum application, the required intensity of the service events can be very different. Our ability to service your pump, and return it to a 'factory new' standard will give significant benefits in its durability and reliability. However we also recognise that not every process is the same, and often, more economic, focussed and sustainable solutions are required. Where sometimes a full rebuild is necessary, at other times a simple cleaning solution will be enough to ensure reliability, whilst keeping your total cost of ownership to a minimum.

Introducing Choices service solutions

At Edwards we have serviced hundreds of thousands of vacuum pumps and understand both how they are manufactured and applied. Based on this experience, we have developed a suite of tailored service products which allow you to choose the level of service that is required for your process. By choosing the service that you need, you can be sure that you get the reliability you are after, whilst keeping the cost of ownership of your pump down to a minimum.

- ¹ReNew** Market leading service solution: addressing key risk factors when process continuity is critical
- ²ReStore** Our benchmark service solution: driving your total cost of ownership down
- ³ReClaim** An environmentally-sensitive service solution: cost effective and sustainable
- ⁴ReFresh** Our basic service solution: lowest cost

The Choices programme has been developed with the needs of our customers in mind, providing the flexibility to optimise the balance of performance, reliability, durability and cost, by leveraging Edwards' expertise with the pumps we design, manufacture and service.

All Edwards service operations are conducted at the highest international standards in accordance with ISO9001 (Quality), ISO14001 (Environmental), and OHSAS18001 (Workplace safety).

Tailored solutions that provide choice for the level of service you require



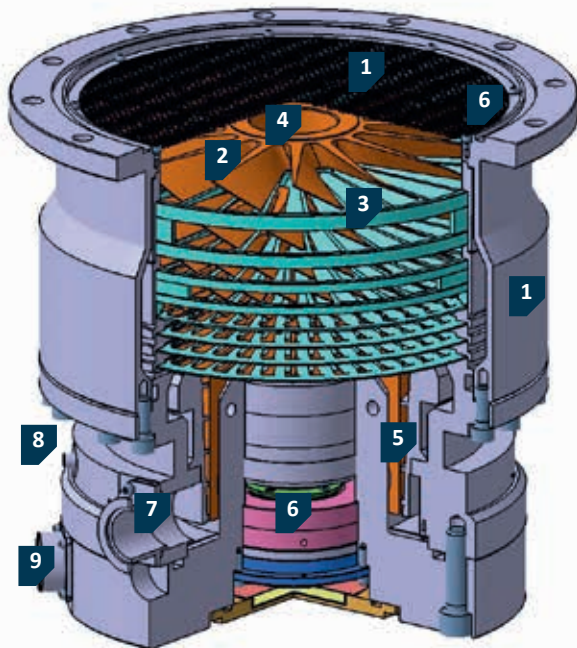
Cut-away: Turbomolecular Pump

Introduction

Scope of Supply	⁴ ReFresh	³ ReClaim	² ReStore	¹ ReNew
Bearings, O-Rings, Seals				
Stator Blades, Stator Rings				
Rotor Blades, Shaft, Column, Envelope, Body			L	
Holweck, Power Connector				
Magnets, Sensor Assembly, Power PCB				
TMS Heater, Exhaust				
Sensor, Control Valve, Cooling Pipe				
Internal Controller				
External Controller	Option	Option	Option	Option

Key - Description	
	Replace with new parts
	Inspect and if worn replace with new parts
L	Replace with new parts (maximum one of listed parts)
	Inspect and if worn replace with reclaimed or new parts
	Clean and Reuse
Option	Optional replacement at additional cost

Elements of a Turbo Pump



- | | | |
|--------------------------------|----------------------------|--------------------------------------|
| 1 Inlet, Body, Envelope | 2 Rotor Blades | 3 Stator Blades/ Stator Rings |
| 4 Rotor Shaft, Column | 5 Holweck | 6 Bearings, O rings, Seals |
| 7 Body, Exhaust | 8 TMS, Cooling Pipe | 9 Power PCB, Connector |

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