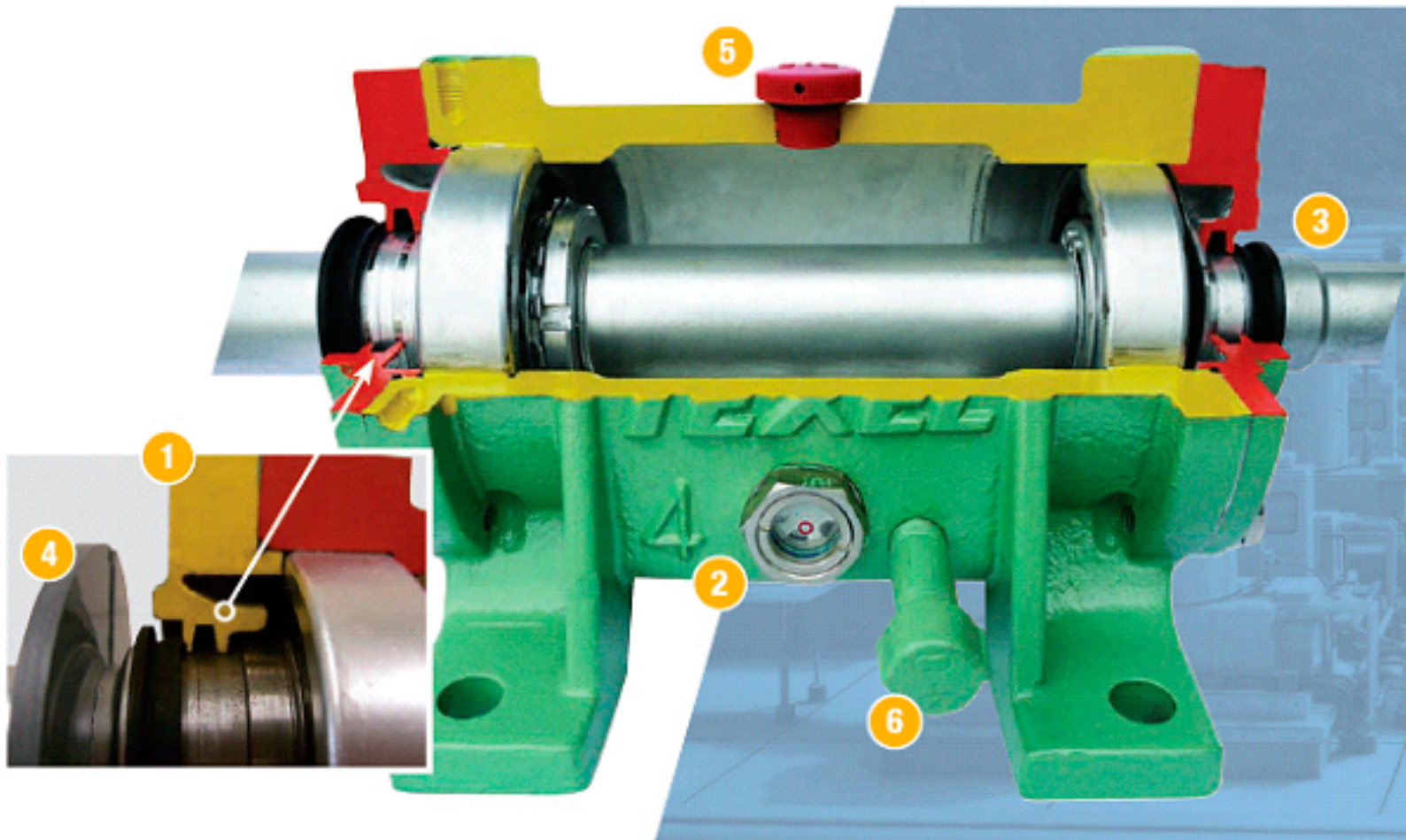


Oil Lubricated Bearing and Shaft

This bearing system uses oil for lubricant. It enables the blower to run at over 5000 rpm and provides an excellent smooth lubricated performance. The bearings are selected minimum average bearing life (AFBMA L-10) in excess of 30,000 hours at the maximum fan RPM.

Every consideration was thought of when designing the shaft system. The tip of the shaft is encapsulated in FRP and prevents corrosion from the gas stream. Oil vapors coat and protect the shaft inside of the oil bath system. As a precaution, there is an epoxy coating applied to the exposed parts of the shaft. The shaft material is carbon steel / ASTM A194 Grade 2H. SS304 and 316 options are available.



1) NON-CONTACT SEAL

The oil bath unit has a non-contact seal to prevent an oil leakage. It does not require any wear and tear parts, and that will reduce maintenance duties.

2) OIL LEVEL INDICATOR

The oil bath comes with an oil indicator which shows how much oil is left in the bath unit.

3) SELF-ALIGNMENT

The oil bath system is designed to keep the bearings in a fixed and aligned position. This enables to eliminate the process of bearing alignment.

4) GAS SEPARATE SEAL PLATE

The seal plate prevents gas from entering the oil bath system and damaging the bearings.

5) OIL CAP

The oil bath system comes with an oil cap. It has an air ventilation hall to prevent the oil in the bath from leaking through out of the shaft holes.

6) OIL DRAIN

The bath system also has a drain port for easy maintenance.