



Sealmatic Successfully Delivers Type U184KL-D Agitator Seal With Bearing For A Polyester Reactor

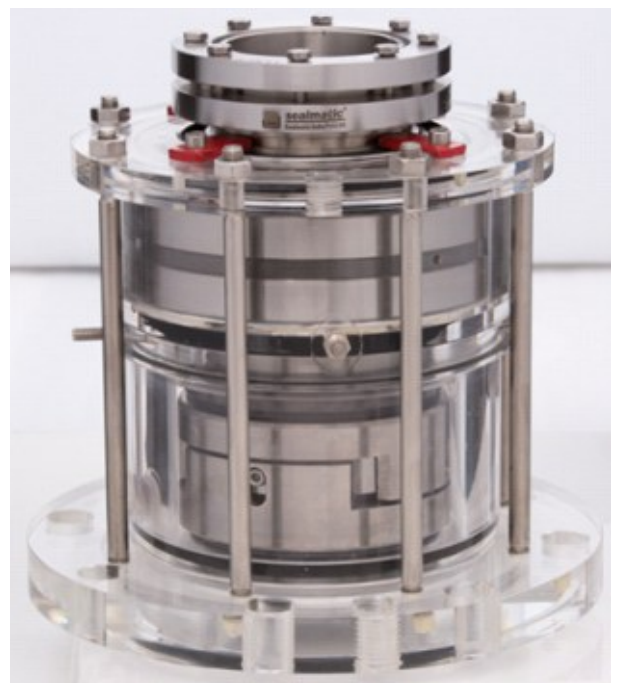
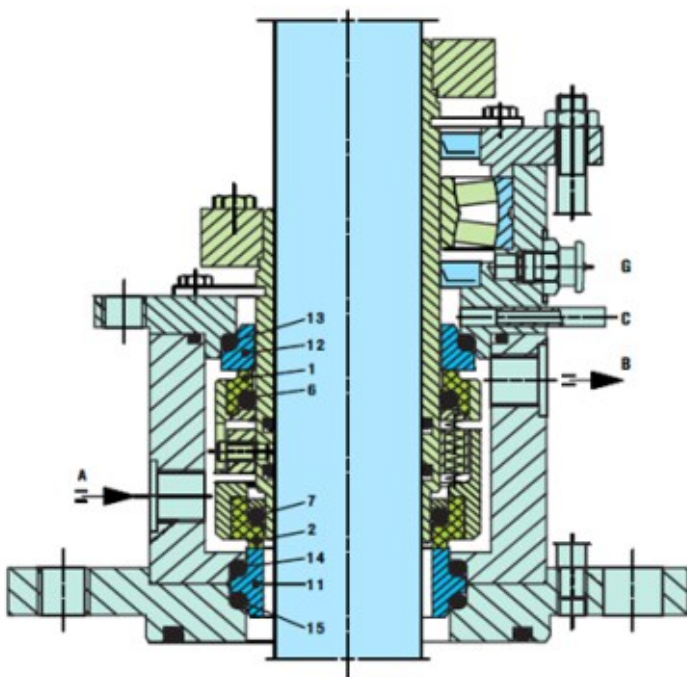
Polyesters are produced either as saturated or unsaturated form. Among the saturated polyesters, polyethylene terephthalate (PET) is produced in the largest quantity.

An unsaturated polyester resin typically consists of a polymerizable ethylenic monomer and a polyester prepared from a glycol and a dibasic acid or an anhydride.

Polyester reactor is basically employed for petrochemical plants to produce PET (polyethylene terephthalate) and PCDT (poly-1, 4-cyclohexylene-dimethylene terephthalate), for such critical application a specialized agitator seal with bearing is employed to ensure long term reliability and operating life.

Type U184KL-D Agitator Seal For Polyester Reactor

The agitator seal type U184KL-D is double seal, available with integrated floating bearing. The seal is designed to be self-closing on the product side i.e., it will remain closed even with pressure variations or a pressure vessel.



Performance Capabilities Of U184KL-D

Size: 300mm

Weight: 450 Kgs

Pressure: $p_{max} = 6 \text{ bar (87 PSI)}$ or $\Delta p_{max} = 6 \text{ bar at } p_1 > p_3$

Temperature: $t_1^* = -40 \text{ }^\circ\text{C} \dots +200 (350) \text{ }^\circ\text{C}$ ($-40 \text{ }^\circ\text{F} \dots +392 (662) \text{ }^\circ\text{F}$)

Speed = $0 \dots 5 \text{ m/s}$ ($0 \dots 16 \text{ ft/s}$)

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