

ANTICO

non metallic pumps



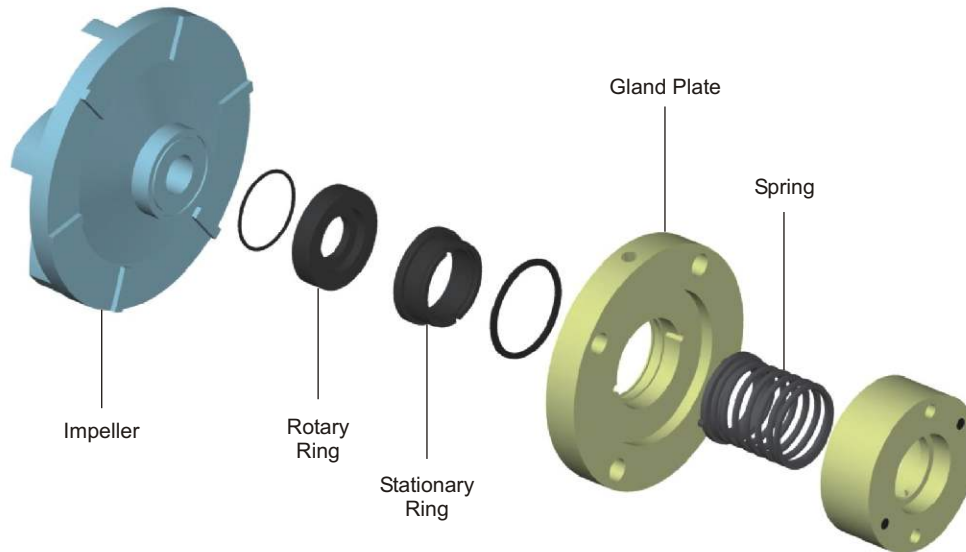
Internal Seals - defying all conventions

202ATC seal - internal, all non metallic design

Another first from ANTICO - a multipurpose single inside mounted mechanical seal from CHETRA GmbH. CHETRA GmbH a German seal manufacturer is well known in European market for custom made Mechanical Seals for critical applications.

CHETRA's 30 years experience in European market prompted ANTICO to have an alliance for an internally mounted "all non metallic parts" mechanical seal - Type 202ATC. The seal defies all norms of conventional single outside mounted mechanical seals generally used in non metallic pumps.

CHETRA has an impressive field experience of similar design seals supplied to various customers in Europe viz, CIBA-Geigy Fine Chemicals, BASF, TEVA-Biogal, Egis Pharmaceuticals etc. primarily for non metallic pumps.



Salient Features of 202ATC Seal:

- Single Stationary Spring Design eliminates Sleeve wear due to misalignment. Bigger Spring Wire Diameter coated with PTFE and isolated from Process Media ensures excellent corrosion resistance with no chances of clogging in case of Slurry applications.
- Seal Faces are Sintered Silicon Carbide / Silicon Carbide as a Standard. Rotary Face located between Impeller and Shaft Sleeve thus Sleeve does not come in contact with the Process Media. This gives flexibility in Sleeve Material selection.
- All Elastomer, Hydraulically Balanced Design ensures low product emission in line with API 682 Guidelines.
- Balanced Design and Silicon Carbide Seal Faces allow the Seal to work with Pressures of 20 kg/cm² and Temperatures well above 100°C
- Design is free of Set Screws, Cap Screws, Drive Pins etc. facilitating ease of maintenance.
- Specially Designed Quench arrangement (API Plan 62) available for Process Media having a tendency to crystallize Brine of Chlor Alkali Plants, Waste Pickled Liquor of Steel Rolling Mills.

Advantages of 202ATC Seal over a conventional Double Seal :

Several non metallic pump users opt for a Double Mechanical Seal with Thermosyphon system (API Plan 53) for applications involving Temperatures above 80°C or Slurries less than 20% by weight. This selection is more so out of compulsion than by choice. This is because, the conventional Outside Mounted Single Seals cannot perform under the above conditions.

Use of 202ATC seal for the above applications gives users several tangible benefits.

- Low Capital Expenditure - eliminates the need for API Plan 53 Accessories.
- Low Operating Cost - eliminates the need for Barrier Fluids.
- Low Failure Cost - replacement of a double seal is obviously higher as compared to a single seal. Often, Super Alloy Shaft Sleeve comes for replacement in case of Double Seal failures. This is not observed with 202ATC since Sleeve is away from the Process Media.

ANTICO

Anticorrosive Equipment Pvt Ltd

15, Hind Service Industries, 2nd Floor,
Off V. S. Road, Shivaji Park, Mumbai - 400 028, India
Phone : +91 22 2446 6496, 2446 8340, 2445 3501
Fax : +91 22 2444 9271
info@anticopumps.co.in www.anticopumps.co.in