CHETRA Dichtungstechnik AG

Company Profile 2019

Agenda

CHETRA Dichtungstechnik AG

- Foreword
- History
- Products
  - Excerpt Standard Seals
  - Excerpt Engineered Seals
  - Excerpt Supply Systems
- Locations

Foreword

CHETRA Dichtungstechnik AG

H.J. Rabl
Chairman

CHETRA® Products are meant to be for the high end market and shall ensure the best possible safety and a long live time for our customers.

To reach that goal, motivated employees which are pleased to fulfil the customer request to the point are upmost important.

In addition a Quality Management System according to DIN EN ISO 9001 is installed to ensure a constant improvement of our workflow and in the end of our products.

History

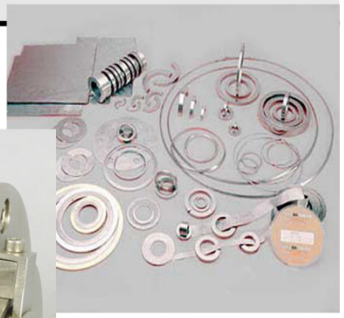
CHETRA Dichtungstechnik AG

1979	Foundation CHETRA GmbH of Dipl.-Ing. (FH) Hans J. Rabl in Munich – Germany Products: Mechanical Seals, Gland Packings / other static Seals and Technical Maintenance Products
1983	Launch of the Joint Venture CHETRA-Budapest Kft in Budapest (Hungary)
1984	Specializing in High End Seals, customer oriented Sealing solutions incl. API 682 (610) Seals
90's	Development of new Markets: Sterile Seals → Pharmaceutical and Food Industry Split Seals → Power Plants, incl. combined Heat Power Plants Mech. Seals for specific → Process technic (Agitators, Mixers, Kneaders) Specific applications
2004	Founding of CHETRA Sealing Technology Pte. Ltd (CST) in Singapore
2012	• Founding of CHETRA Mech. Seals India Pvt. Ltd in Mumbai (India) • CHETRA Headquarter moves into a new building, still in Munich
2015	• Joint Venture Mascot Dynamics Pvt. Ltd. und CHETRA Mech. Seals India Pvt. Ltd in Mumbai (India) • Founding of CHETRA Italia Srl. in Concorezzo (Monza)
2018	• Opening of the first Service Center outside the Headquarter in Essen / Germany

Products, Applications, Industries

CHETRA Dichtungstechnik AG

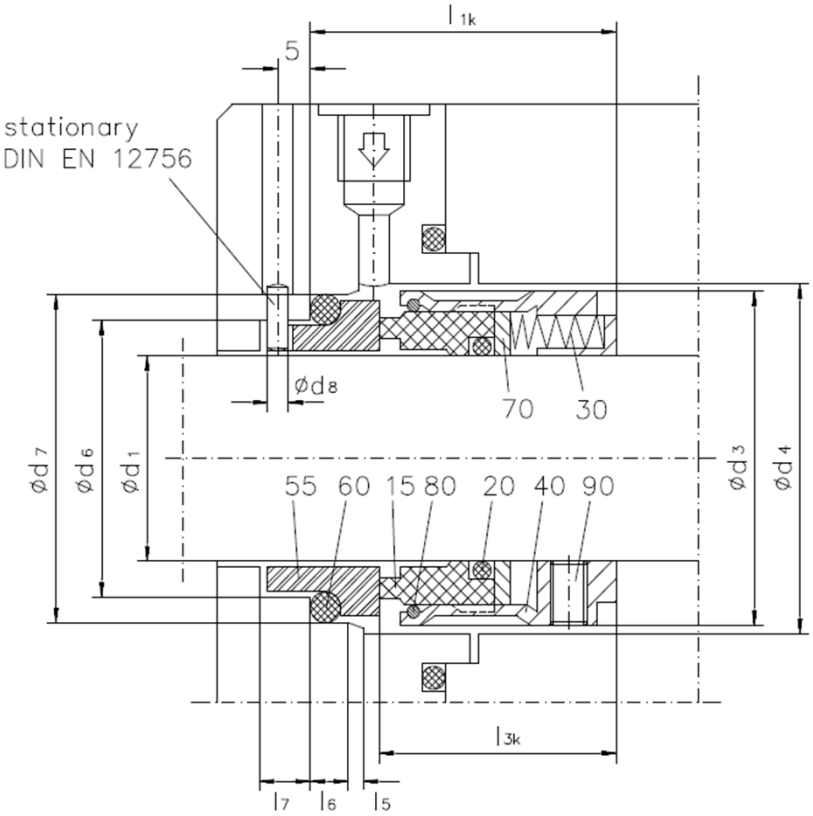
Products	Installed in	Main Industrial Areas
• Mechanical Seals • Supply Systems • Gland Packings, static Seals • Technical Maintenance Products	• Pumps • Agitators, Mixers, Kneaders • Compressors • Filter dryers • …and many more	• Oil & Gas • Chemical Plants • Refineries • Petrochemical Plants • Pharma Industry • Food Industry • …and many more



Excerpt Standard Seals

CHETRA Dichtungstechnik AG

Type 111 / 118



Description

- Mech. Seal acc. to DIN EN 12756 (DIN 24960)
- Unbalanced, Single acting, independent of rotation
- Multiple or wave spring

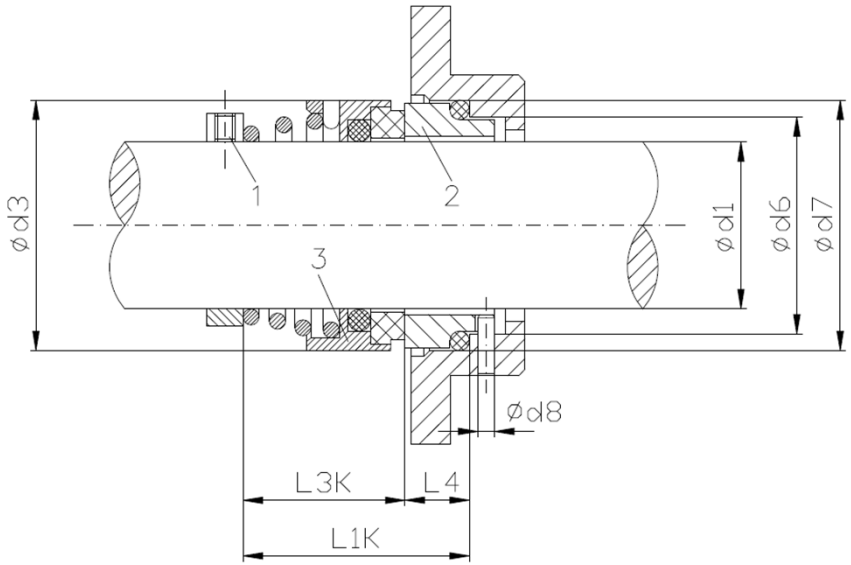
- Seal Sizes: Ø10…100mm
- Pmax: 12 bar*
- Pressure Static: 25 bar*
- Temperature: -80 … +315°C*
- Vmax: 25 m/s*

*its not allowed to use all max. parameters at the same time!
Furthermore all max. parameters depend on the selected Materials.

Excerpt Standard Seals

CHETRA Dichtungstechnik AG

Type 114



Description

- Mech. Seal Acc. To DIN EN 12756 (DIN 24960)
- Unbalanced, Single Acting, Dependent Of Rotation
- Conical Spring

- Seal Sizes: Ø16 … 65 mm
- P_{max}: 10 bar*
- Temperature: -30 … +185°C*
- V_{max}: 10 m/s*

*its not allowed to use all max. parameters at the same time!
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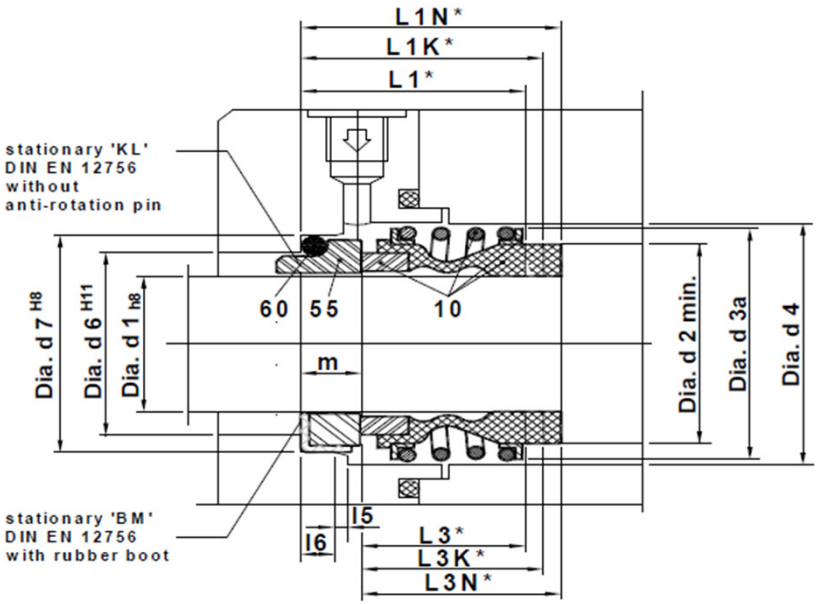
Excerpt Standard Seals

CHETRA Dichtungstechnik AG

Type 431



Description

- Mech. Seal Acc. To DIN EN 12756 (DIN 24960)
- Unbalanced, Single Acting, Independent Of Rotation
- Single Spring

- Seal Sizes: Ø10…100mm
- Pmax: 12 bar*
- Temperature: -50 … +100/200°C*
  Depending on Rubber Material
- Vmax: 10 m/s*

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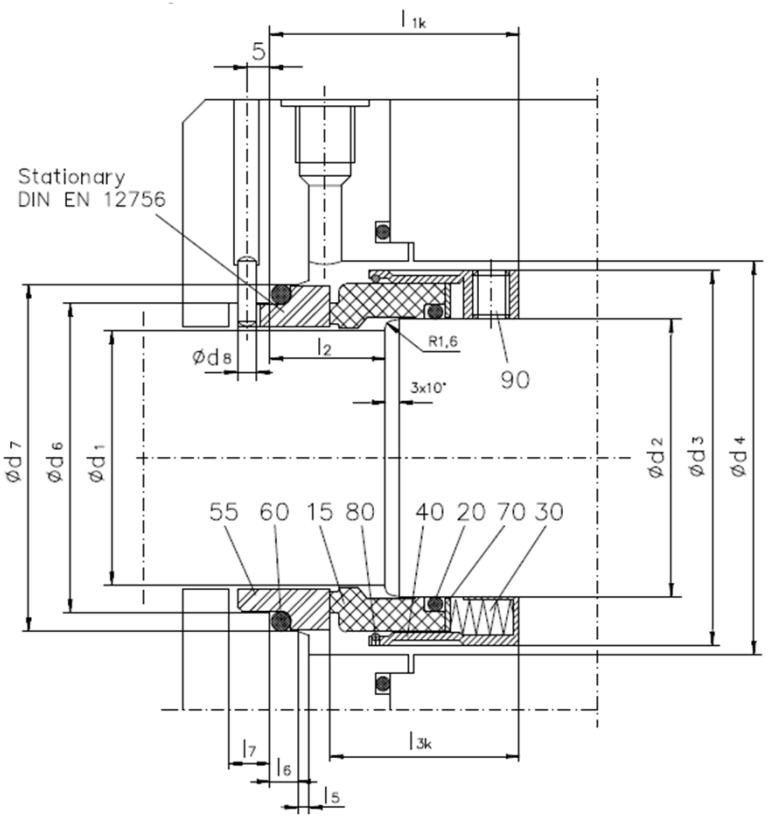
Excerpt Standard Seals

CHETRA Dichtungstechnik AG

Type 151



Description

- Mech. Seal Acc. To DIN EN 12756 (DIN 24960)
- Balanced, Single Acting, Independent Of Rotation
- Multiple Springs

- Seal Sizes: Ø10…100mm
- Pmax: 50 bar*
- Pressure Static: 100 bar*
- Temperature: -50 … +220°C*
- Vmax: 25 m/s*

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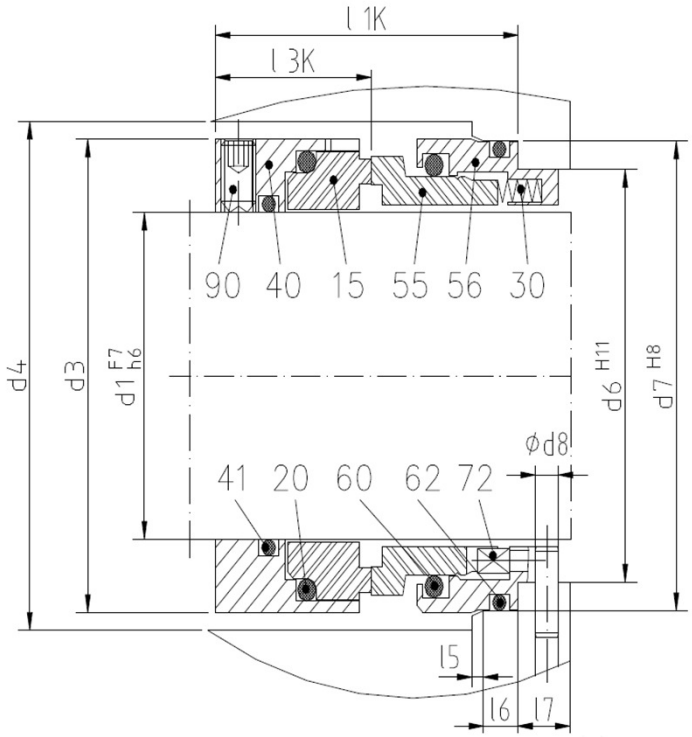
Excerpt Standard Seals

CHETRA Dichtungstechnik AG

Type 208 and 210



Description

- Mech. Seal Acc. To DIN EN 12756 (DIN 24960)
- Balanced, Single Acting, Independent Of Rotation, Stationary Design
- Multiple Springs (Outside Of Media)

- Seal Sizes: Ø10…100mm
- Pmax: 50 bar*
- Pressure Static: 80 bar*
- Temperature: -80 … +315°C*
- Vmax: 35 m/s*

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Excerpt Standard Seals

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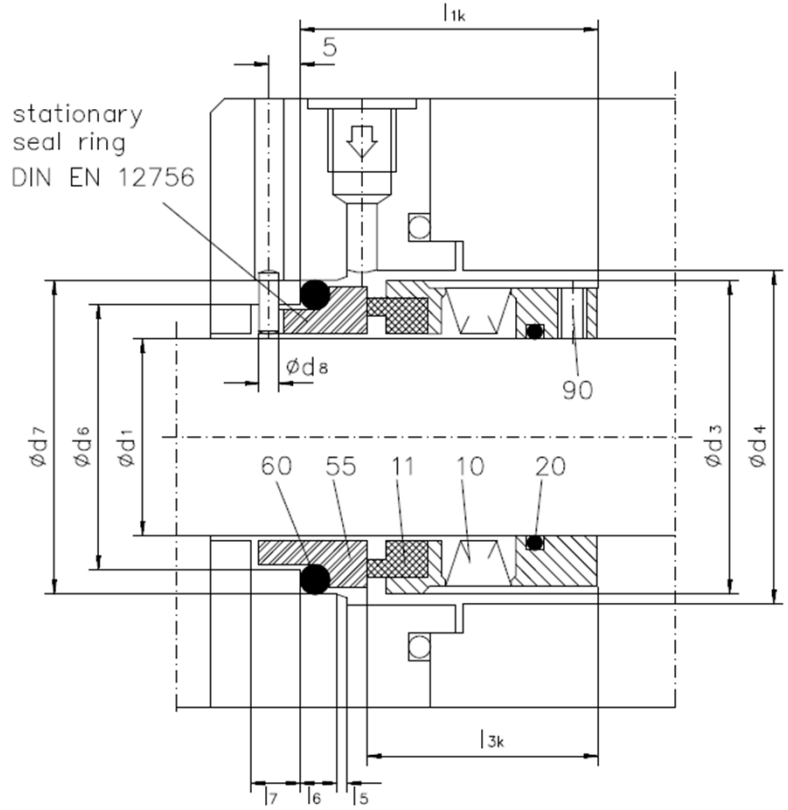
Type 700



Description

- Mech. Seal Acc. To DIN EN 12756 (DIN 24960)
- Metal Bellow (rotating)
- Balanced, Single Acting, Independent Of Rotation

- Seal Sizes: Ø16…100mm
- Pmax (outside): 25 bar*
- Pmax (inside): 10 bar
- Temperature: -80 … +220°C*
- Vmax: 25 m/s*

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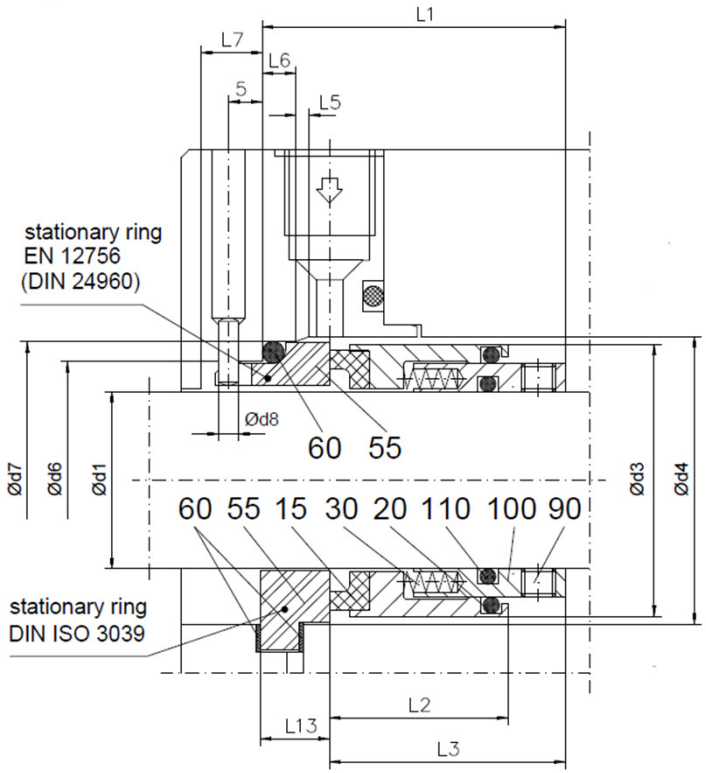
Excerpt Standard Seals

CHETRA Dichtungstechnik AG

Type 900



Description

- Mechanical Seal – Universal Applications
- Single Acting
- Balanced
- Independent Of Rotation
- Multiple Springs, Outside Of Product

- Seal Sizes: Ø16…110mm
- Pmax: 28 bar*
- Temperature: -25 … +200°C*
- Vmax: 15 m/s*

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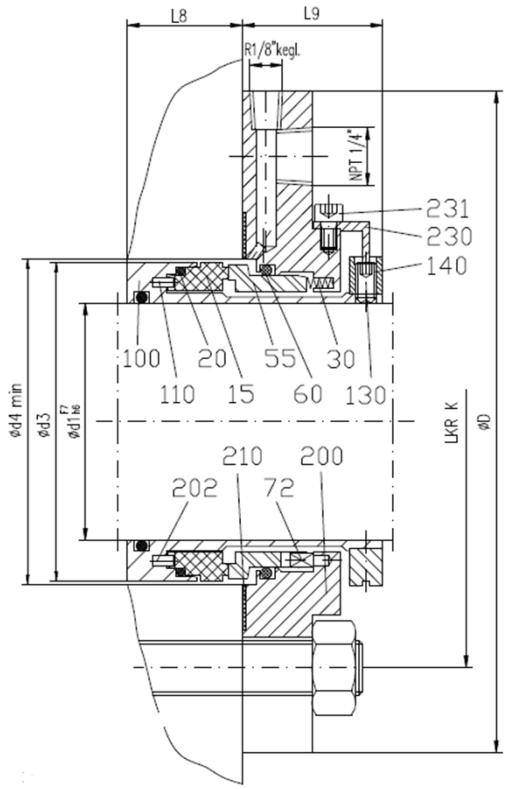
Excerpt Standard Seals

CHETRA Dichtungstechnik AG

Type 209D



Description

- Single Cartridge Mechanical Seal
- Balanced
- Independent Of Rotation
- Multiple Springs

- Seal Sizes: Ø 25…100mm
- Pmax: 0,5 bis 25 bar*
- Temperature: -25 … +205°C* (m. FKM)
- Vmax: 25 m/s*

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Excerpt Standard Seals

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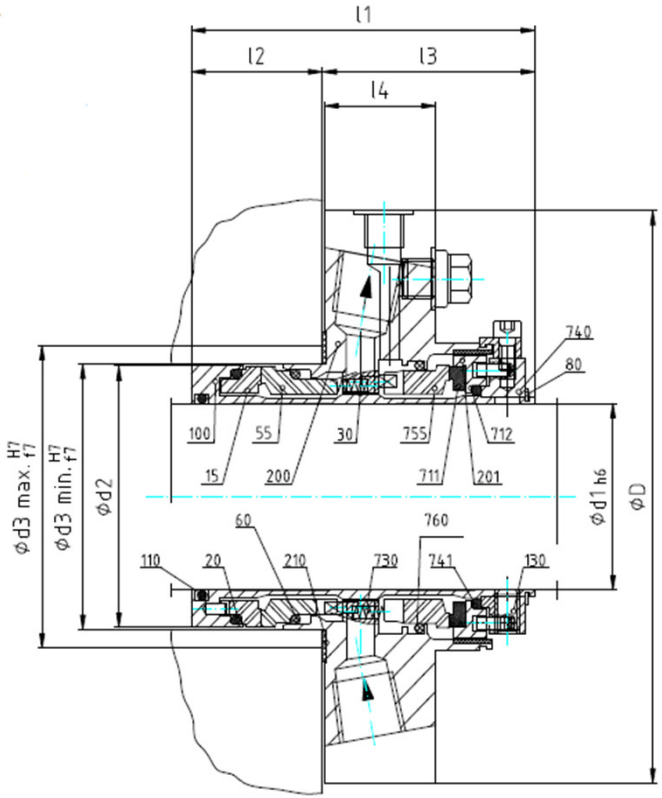
Type 809D



Description

- Double Cartridge Mechanical Seal
- Balanced
- Independent Of Rotation
- Multiple Springs

- Seal Sizes: Ø 25…100mm
- Pmax: 0,5 bis 25 bar*
- Temperature: -25 … +220°C*
- Vmax: 18 m/s*

*its not allowed to use all max. parameters at the same time!
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Excerpt Engineered Seals

CHETRA Dichtungstechnik AG

CHETRA® Mechanical Seal Style 770

Double-tandem Safety Seal, Metalbellows;

Seal For High Temperatures Up To 400°C

<u>Typical Applications</u>:

Thermooil-heattransfer

Seal Operates <u>Without</u> Auxilliary Pump Cooling!

More Than 500 Seals In Operations

Excerpt Engineered Seals

CHETRA Dichtungstechnik AG

CHETRA® Mechanical Seal Style 201

Api682

Single Cartridge Seal, Stationary Design – High-pressure Seal:
Up To 150 Bar (201AHD)

<u>Typical Applications</u>:
Pipeline Pumps For Crude Oil, Diesel, Gasoline Etc.

More Than 1.000 Seals Operating

CHETRA Dichtungstechnik AG

CHETRA® Mechanical Seal Style 807AS

Api682

Double Acting Cartridge Seal, Stationary Design, Dual Unpressurized / Pressurized Seal, Double Balanced Line

<u>Typical Applications</u>:

High-end Refinery, Petrochemical

Excerpt Engineered Seals

CHETRA Dichtungstechnik AG

CHETRA® Mechanical Seal Style 521

<u>Typical Applications</u>:

Mixers/Agitators;
Pharmaceutical/Food

EHEDG-Certified Version: 541 S/L
(CIP/SIP/GMP-Compliant)

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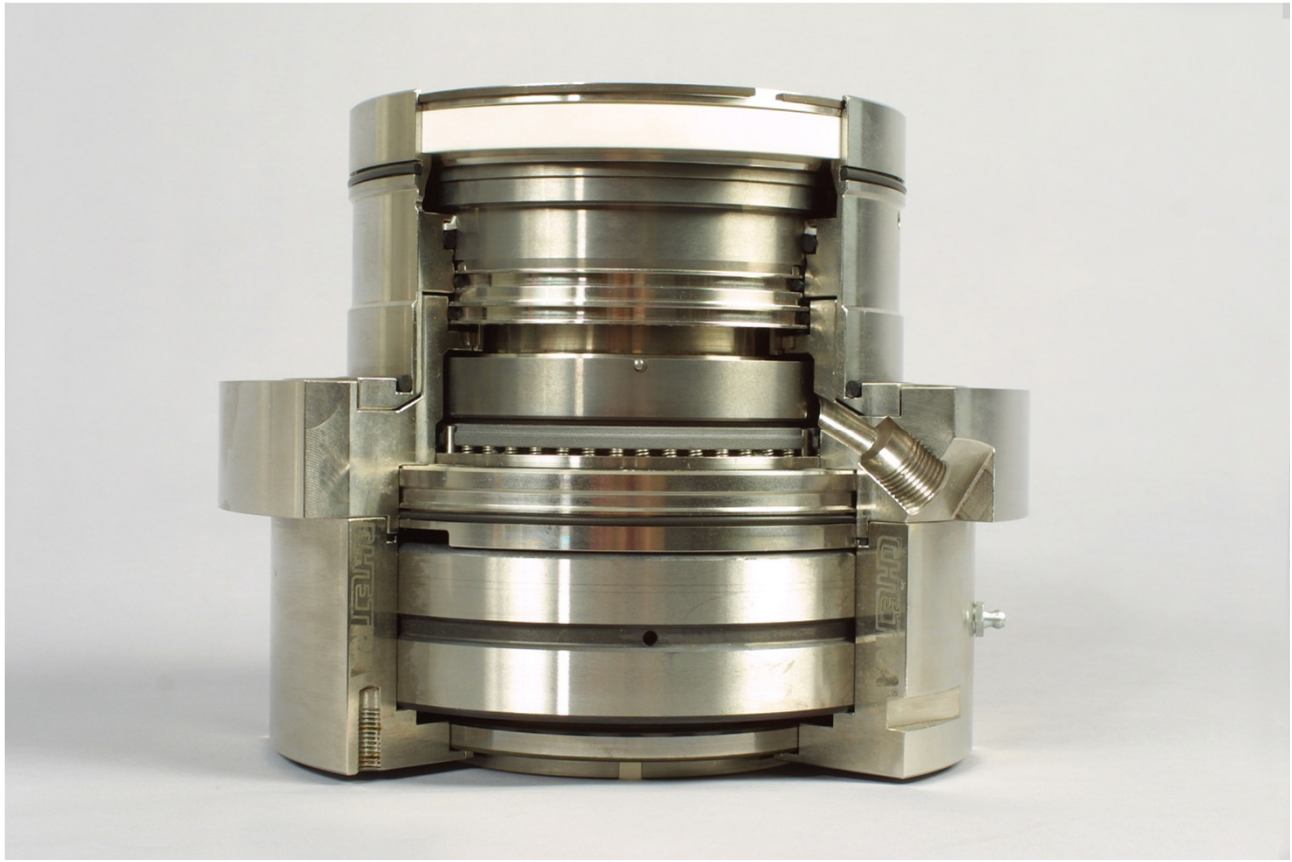
CHETRA® Mechanical Seal Style 541



Double Seal For Top Or Bottom-drive Mixers

Shaft Size: 6“ (152,4mm)
Seal Especially Suitable For Solid Matter Media.

<u>Typical Applications</u>:

Butadiene (Polymeric Solution With High Solid Content);

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CHETRA® Mechanical Seal Style 881D

Robust Double Mechanical Cartridge Seal,

(Double-balanced);
Seal According To API 682

<u>Typical Applications</u>: Main Quench-oil Pumps (Ethylene Plants);
Hydrogenation Processes: Nitrile/Fatty Acids Catalyzers; Petrochemical Industry

Excerpt Engineered Seals

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CHETRA® Mechanical Seal Style 299

Fully Split Mechanical Seal

Sizes 50 To 600 Mm

Vacuum And Up To 25bar

Typical Applications:

Pumps In Inaccessible Locations

Large Diameters (High Expenditure Of Assembly/Disassembly)

Tubular Casing Pumps, Water Turbines (Kaplan/Francis) Etc.

Incl. Nucleatr Applications In Cooling Water Pumps (Nuclear Approvals:

KTA1401, Qsp4a, Tüv-cert. In Cooperation With Pump OEM

Loop System PLAN 53B

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API PLAN 53B + Central Refill Unit

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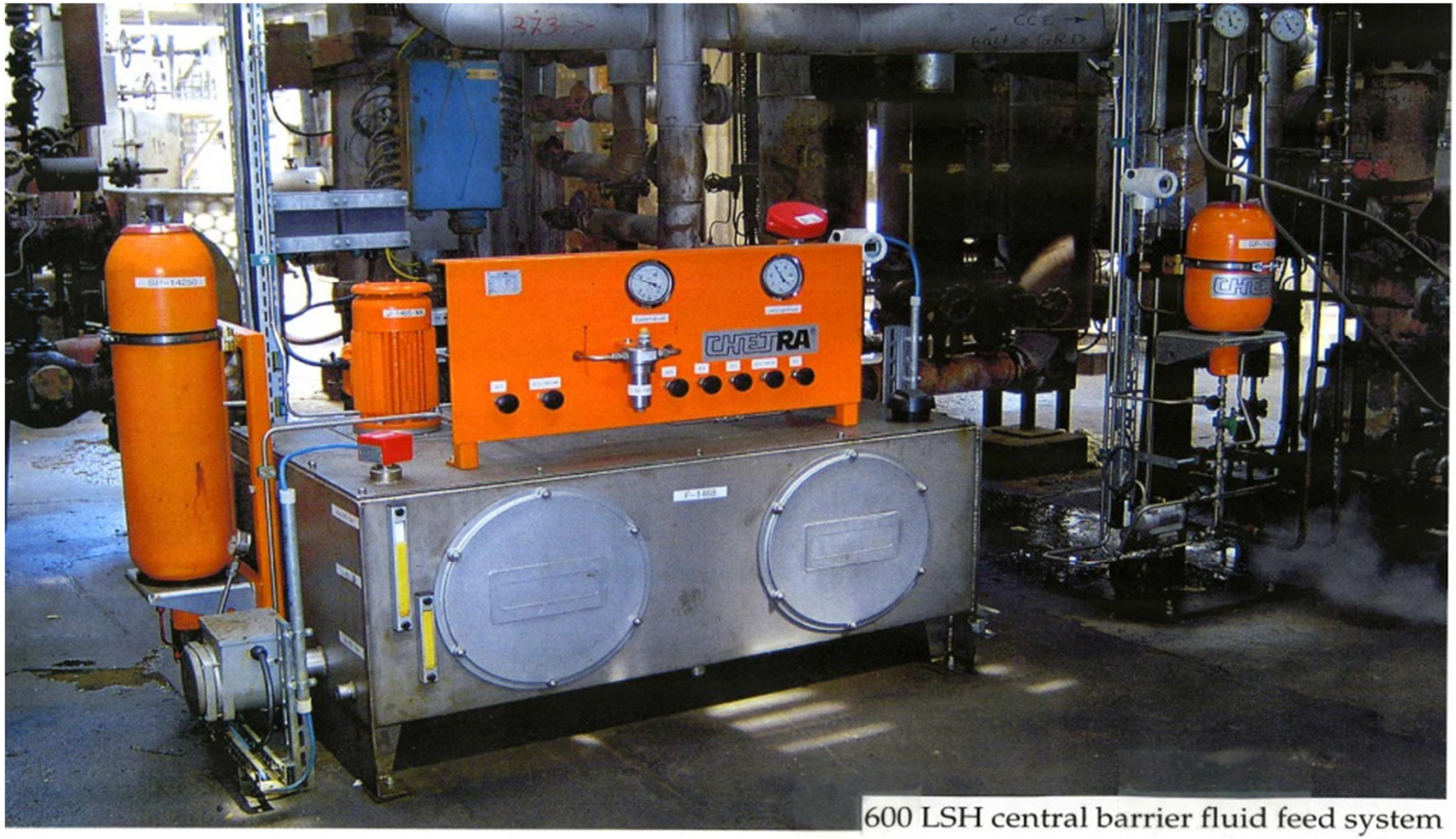

600 LSH central barrier fluid feed system

Locations

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Locations

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CHETRA ITALIA Srl

Concorezzo (MB)
ITALIA

Locations

CHETRA Dichtungstechnik AG

Locations

CHETRA Dichtungstechnik AG

CHETRA ITALIA SRL
Piping Division

Flanges

Valves

Fittings

Pipes

Locations

CHETRA Dichtungstechnik AG

Joint Venture

Mascot Dynamics Pvt. Ltd.

CHETRA Mech. Seals India Pvt. Ltd
in Mumbai (India)

Locations

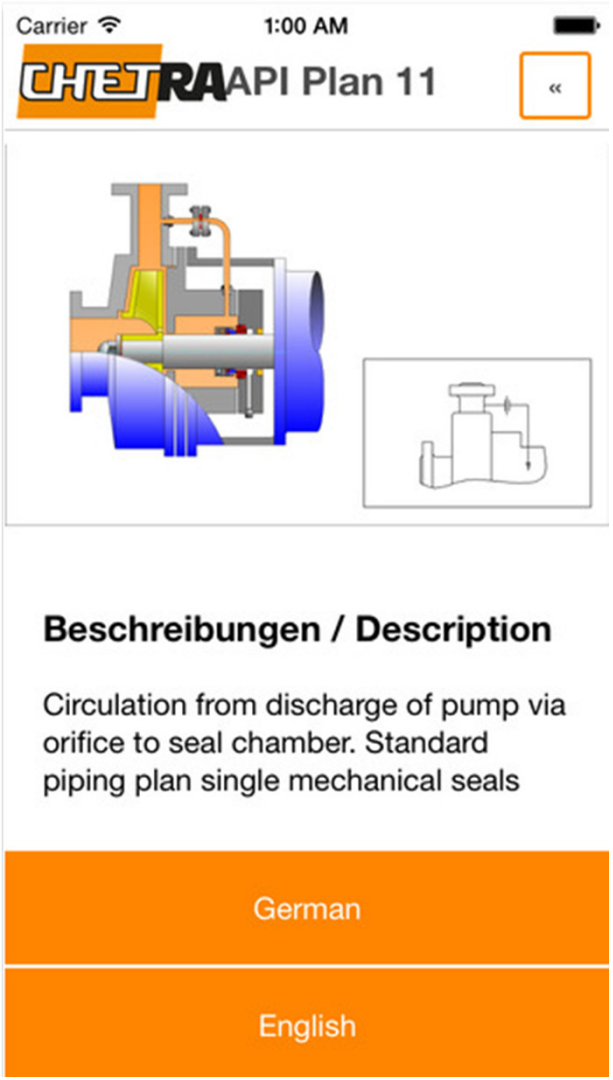
CHETRA Dichtungstechnik AG

CHETRA API-App

CHETRA Dichtungstechnik AG

Google play

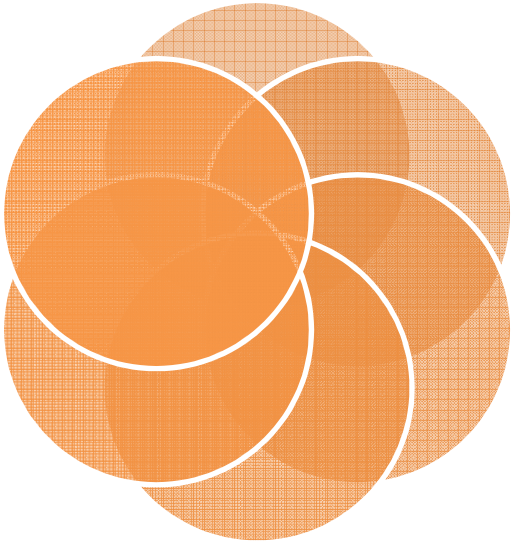
Download on the App Store



ANY QUESTIONS?

आपके ध्यान के लिए धन्यवाद

THANK YOU FOR YOUR ATTENTION!



أشكركم على اهتمامكم

با تشکر از توجه شما

感谢您的关注