Gipfel®
Engineering

ISO 9001:2015 CERTIFIED COMPANY

SEALING SOLUTIONS
GIPFEL
ENGINEERING
Since 2012

PRODUCT GUIDE
8th EDITION









Innovation.

Standardization.

Continual Improvement.

ABOUT US:

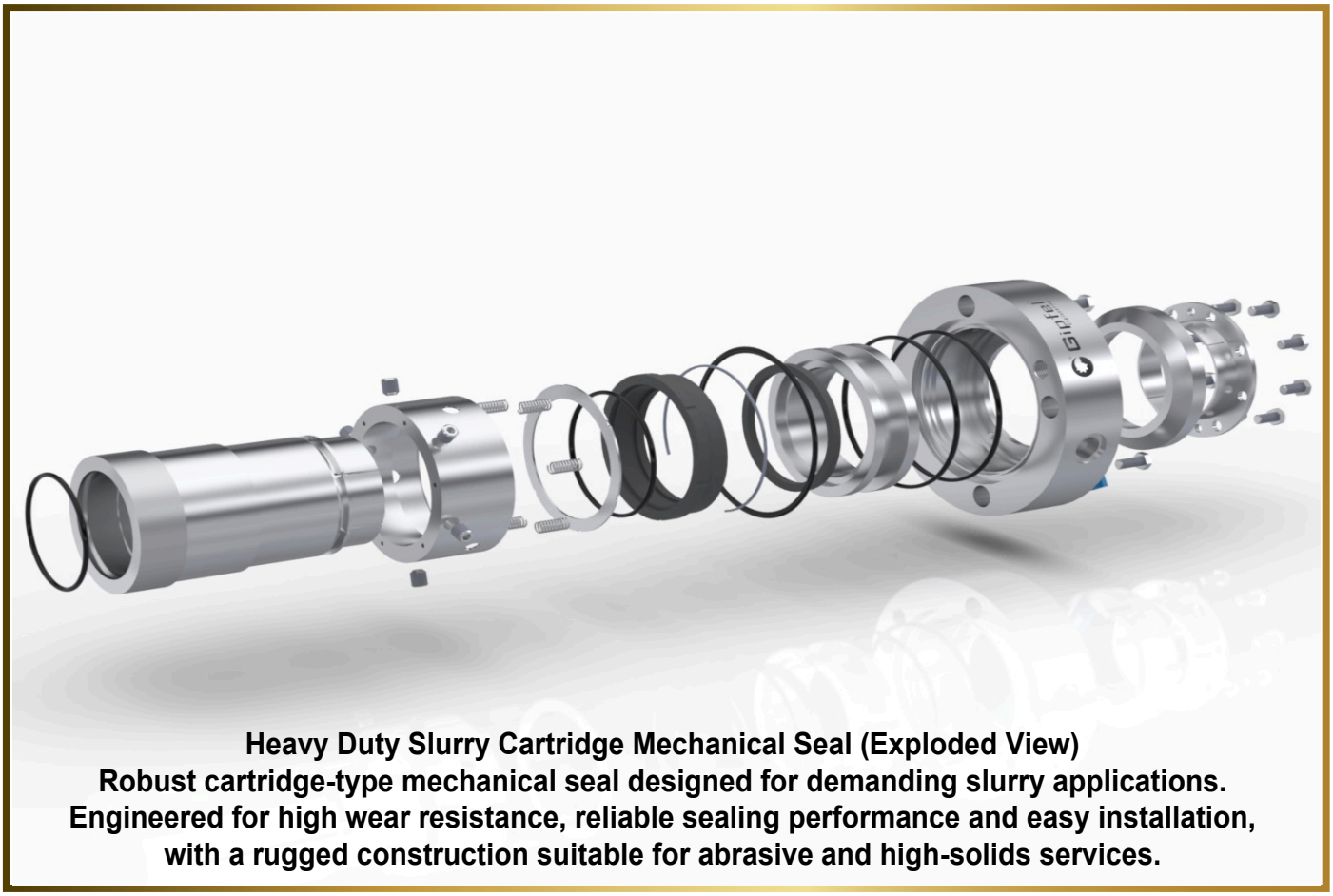
We are a professionally managed mechanical seal manufacturer committed to delivering reliable, efficient and cost-effective sealing solutions for a wide range of industrial applications. With strong technical expertise and a customer-centric approach, we design, develop and supply standard and engineered mechanical seals tailored to specific operating conditions.

Our quality-management system is certified to ISO 9001:2015, supporting consistent quality, process control and continual improvement. We are also registered as a micro enterprise under Udyam and registered with NSIC, reflecting our capability to serve both domestic and international markets.

Standards and Design Compliance

Depending on the seal type and application, our products may be designed to meet applicable requirements of ISO 3069:2000, DIN EN 12756:2001-03, ISO 21049:2004 and API Standard 682. Compliance is configuration- and service-specific and is confirmed in the approved technical data sheet.

Beyond manufacturing, we provide complete sealing solutions, including application analysis, seal selection, customization, technical support and after-sales service, to improve equipment performance and reliability. Driven by innovation, quality assurance and customer satisfaction, we strive to build long-term partnerships by delivering dependable products, timely service and technically sound solutions.



Heavy Duty Slurry Cartridge Mechanical Seal (Exploded View)
Robust cartridge-type mechanical seal designed for demanding slurry applications. Engineered for high wear resistance, reliable sealing performance and easy installation, with a rugged construction suitable for abrasive and high-solids services.

CERTIFICATIONS & REGISTRATIONS

CERTIFICATE OF REGISTRATION

CERTIFICATE

This is to certify that the
QUALITY MANAGEMENT SYSTEM
of

GIPFEL ENGINEERING

Gala No. 7, KMC Compound, Behram Baug Road, Behind Hotel Metro Palace, Behram Baug, Jogeshwari West, Mumbai 400102, Maharashtra, India

has been assessed and found to be in conformance to the requirements of the Quality Management Standard

ISO 9001:2015

The Management System Includes:

Design, Manufacturing, Supply & Export of Mechanical Seals, Seal Support Systems (Thermosyphons), Bearing Isolators, Rotary Joints, Carbon Floating & Segmented Rings, Track Roller Seals, Instrument Valves, Centrifugal Pumps, Pump Spares & Accessories, Blowers & Blower Impellers, Sealing Compounds

Certificate No.: EI-2309020

This Certificate is Valid from 16-10-2026 Until 15-10-2027

Date of Initial Certification: 16-10-2023
Date of Current Certification: 16-10-2026
Ist Surveillance due on or before: 15-10-2027
IInd Surveillance due on or before: 15-10-2028
Re-certification due: 15-10-2029

Auth Sign

Registration is subject to the system being continually maintained to the above standard under regular surveillance. To check the certificate validity please visit - https://www.iafcertsearch.org/ or www.isplcert.in contact at- innovate.ispl@gmail.com

INNOVATIVE SYSTEMCERT PVT. LTD.
Accredited by EGAC, A Member of International Accreditation Forum
UGF-37, Ansal Plaza-I, Chiranjeev Vihar, Ghaziabad-201002, U.P., INDIA
Web: www.isplcert.in, Email: innovate.ispl@gmail.com
Ph. +91 9811010509

EGAC Accredited
QMS Certification CAB # 011806

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER	UDYAM-MH-19-0075718
NAME OF ENTERPRISE	M/S GIPFEL ENGINEERING

TYPE OF ENTERPRISE *

S.No.	Classification Year	Enterprise Type	Classification Date
1	2025-26	Micro	01/04/2025
2	2024-25	Micro	27/04/2024
3	2023-24	Micro	09/05/2023
4	2022-23	Micro	26/06/2022

MAJOR ACTIVITY: MANUFACTURING

SOCIAL CATEGORY OF ENTREPRENEUR: GENERAL

NAME OF UNIT(S)

S.No.	Udyog Aadhaar Memorandum	Unit(s) Name
1	MH33A0001997	GIPFEL ENGINEERING

OFFICAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	Gala No. 07	Name of Premises/ Building	KMC Compound
Village/Town	Behram Baug	Block	Near Hotel Metro Palace
Road/Street/Lane	Behram Baug Road	City	Jogeshwari (West)
State	MAHARASHTRA	District	MUMBAI , Pin 400102
Mobile	9967804092	Email:	gipfelengg@gmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	28/12/2015
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	01/12/2012

NATIONAL INDUSTRY CLASSIFICATION CODE(S)

S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	28 - Manufacture of machinery and equipment n.e.c.	2813 - Manufacture of other pumps, compressors, taps and valves	28132 - Manufacture of other pumps, compressors, taps and valves etc.	Manufacturing
2	33 - Repair and installation of machinery and equipment	3312 - Repair of machinery	33122 - Repair and maintenance of pumps and related equipment, fluid power equipment, valves	Manufacturing

DATE OF UDYAM REGISTRATION: 28/07/2021

* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.

Disclaimer: This is computer generated statement, no signature required. Printed from https://udyamregistration.gov.in & Date of printing - 14/10/2025

For any assistance, you may contact:

1. District Industries Centre: MUMBAI CITY (MAHARASHTRA)
2. MSME-DFO: MUMBAI (MAHARASHTRA)

Visit : www.msme.gov.in ; www.dcmsme.gov.in ; www

Follow us @minmsme & @ms

11/20/25, 12:18 PM Company Certificate

राष्ट्रीय लघु उद्योग निगम लिमिटेड
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Government of India Enterprise)

S.No. AND-0004164 Sr. No. 230946

Branch Office : NSIC Ltd.,5 C-2, 5th Floor, C-Wing, Gundecha Onclave, Kherani Road, Sakinaka, Andheri(East),Mumbai -400072
Ph : 022-28509915/16 Fax : 022-28509917
Email : boandheri@nsic.co.in Website : www.nsic.co.in

STORE DETAILS CERTIFICATE

Renewal Certificate (Valid From 31/07/2025 to 30/07/2027)

ANNEXURE TO GOVERNMENT PURCHASES ENLISTMENT CERTIFICATE

NO. NSIC/GP/AND/2019/0037849 D.T. 17/11/2025

ISSUED TO M/s. GIPFEL ENGINEERING, MAHARASHTRA

GALA NO 07, KMC COMPOUND, BEHRAM BAUG ROAD, BEHIND HOTEL METRO PALACE, BEHRAM BAUG, JOGESHWARI (WEST), , MUMBAI(SUB.), MAHARASHTRA-400102

Sno	Store(s)/ Service(s) Name	Specification(s)	Qualitative Capacity	Quantitative Capacity PA	Remarks
1	Mechanical Seal NIC code: 28132	MOC: MS/ SS(All Grades), Duplex, Hastelloy C Elastomer: FKM, FFKM NBR, EPDM, PTFE, TTV, FEP. Seal Faces: Silicon Carbide, Tungsten Carbide, Carbon, Ceramic, Stellite, GFT, CFT,	Size: 15 mm to 400 mm Dia	3600 Nos PA/Shift	Manufacturing
2	Seal Support System (Thermosyphon) NIC code: 28132	MOC: MS/ SS(All Grades), API Plans - 32, 52, 53 A/B, 54	5 Ltr - 20 Ltr	480 Nos PA/Shift	Manufacturing
3	Bearing Isolators NIC code: 28132	MOC: Bronze, Brass, SS(All Grades)	Size : 15 mm to 300 mm Dia	2800 Nos PA/Shift	Manufacturing
4	Rotary Joints NIC code: 28132	MOC: Bronze,CS, MS, SS (All Grades)	Size : 15 mm to 400 mm Dia	560 Nos PA/ Shift	Manufacturing
5	Carbon Floating & Segmented Rings NIC code: 28132	MOC: Carbon	Size : 15 mm to 400 mm Dia	1960 Nos PA/ Shift	Manufacturing
6	Track Roller Seals (Mechanical Seal Faces) NIC code: 28132	MOC: SS(All Grades)	Size : 15 mm to 550 mm Dia	1120 Nos PA/ Shift	Manufacturing

Comments / Note
(Optional): 1) Inspection Report of RITES Ltd., Mumbai vide their letter no. RITES.WR.BD.17(Capacity

M/s. GIPFEL ENGINEERING Authorised Signatory

"Authenticity of the certificate can be checked through the web portal: www.nsicspronline.com"

CIN : U74140DL1955GOI002481

11/20/25, 12:18 PM Company Certificate

राष्ट्रीय लघु उद्योग निगम लिमिटेड
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Government of India Enterprise)

S.No. AND-0004164 Sr. No. 111282

Branch Office : NSIC Ltd.,5 C-2, 5th Floor, C-Wing, Gundecha Onclave, Kherani Road, Sakinaka, Andheri(East),Mumbai -400072
Ph : 022-28509915/16 Fax : 022-28509917
Email : boandheri@nsic.co.in Website : www.nsic.co.in

GOVERNMENT PURCHASE ENLISTMENT CERTIFICATE

Renewal Certificate (Valid From 31/07/2025 to 30/07/2027)

Ref.No NSIC/GP/AND/2019/68300 Date: 17/11/2025

M/s. GIPFEL ENGINEERING
GALA NO. 07, KMC COMPOUND, BEHRAM BAUG ROAD, BEHIND HOTEL METRO PALACE, BEHRAM BAUG, JOGESHWARI (WEST), MUMBAI(SUB.), MAHARASHTRA- 400102

Factory Address:
1 .GALA NO. 07, KMC COMPOUND, BEHRAM BAUG ROAD, BEHIND HOTEL METRO PALACE, BEHRAM BAUG, JOGESHWARI (WEST), MUMBAI(SUB.), MAHARASHTRA -400102

Name of the Partners
1.ZAID AYYUB SALEMA
2.JUNAID AYYUB SALEMA
3.AYYUB GULAM RASOOL SALEMA

Constitution: Partnership | Udyam Registration Number UDYAM-MH-19-0075718 | Enterprise Social Class: GENERAL | Special Category: GENERAL

GOVERNMENT PURCHASE REGISTRATION NO: NSIC/GP/AND/2019/0037849

Monetary Limit: ₹ 89 lakhs (₹ Eighty Nine Lakh Only)

TURNOVER (Rupees in Lakhs)

Financial Year	Annual Turnover
2021-22	99.8
2022-23	124.21
2023-24	176.01
Monetary Limit	89

MSEs registered with NSIC are exempted from deposit of Earnest Money irrespective of value of Monetary Limit. Your name has been registered as a MSE Unit eligible for participation in the Central Government Store Purchase Programme as per the Single Point Registration Scheme for the following Item(s)/Store(s)/Service(s).

Name of the Store(s)/ Service(s)	Specification(s)	Qualitative Capacity	Quantitative Capacity P.A.
"As per List Attached" (6 item only)			

Disclaimer:-1.The purchasing agencies are advised to satisfy themselves with the store details in the certificate while doing the Technical Evaluation stage before placing the tender/order on the units, certified by NSIC.
2. This certificate will be valid subject to compliance of definition (Composite criteria of investment and turnover for classification of Micro, Small Enterprises as per MSMED Act).

M/s. GIPFEL ENGINEERING Authorised Signatory

"Authenticity of the certificate can be checked through the web portal: www.nsicspronline.com"

CIN : U74140DL1955GOI002481

Conditions overleaf

Customer References, Vendor Registration & Supply References

Government Sector

Vendor Code 13235568	Vendor Code 50096215	Vendor Reg. Under process
Vendor Code V181114	Vendor Code 101080937	Vendor Code 1000107585
Vendor Code 104057	Vendor Code 123437	Vendor Code G502
Vendor Code HCLV046082	Vendor Code 58307	Vendor Code 1175436
P.O. Received	P.O. Received	P.O. Received
Vendor Code 5100006784	Vendor Code G00539	Vendor Code 1017385

Domestic Industry References

Vendor Reg. Under process	Vendor Code 128887	Vendor Code 3020384	Vendor Code 12765	Vendor Code SGI000031	Vendor Code 801426

*Vendor Code means a documented registration record. P.O. Raised means a documented order reference. Registration in progress is not an approved vendor/customer relationship. Third-party names and logos identify the relevant organization only and do not imply endorsement.

Customer, Vendor Registration & Supply References

Additional Domestic Industry References

Bhushan Power & Steel	Jindal Steel & Power	JSW	Larsen & Toubro	Inox
Vendor Code 100009656	Vendor Code 56936	Vendor Code 10043907	Vendor Code 504575	Vendor Code 100006683
MRN Murugesh R. Nirani Group	Haldiram's	Jaypee Group — No Dream Too Big	Roquette — Offering the best of nature™	Bellatrix Aerospace — Propelling Dreams
Vendor Code 11239	P.O. Received	Vendor Code G001851	Vendor Code G0747	P.O. Received

Overseas Clients

Saudi Energy KSA	Saudi Amines KSA	TurboSterz compressor consulting — TurboSterz Germany	Ethimale Plantation Sri Lanka
Omnicane Integrating Energies — Omnicane Mauritius	Himalayan Distillery Limited Nepal	Royal El Minya Cement Co — Royal El Minya Cement Co Egypt	Drilling Works Contracting Company KSA
Hamad Abdullah Al-Huwais Trading Co. KSA	Cadertech Engineering Limited — Cadertech Engineering Ltd. Zambia	Arabian Co. For Transportation Services Egypt	Scorpion Arabia KSA
Future Lines Contracting Co. KSA	Life Food & Beverage Pvt. Ltd. Nepal	Fluid Pumps Industrial Est. — Fluid Pumps Industrial Est. KSA	AR OKSİJEN Turkey

Vendor Code means a documented registration record. P.O. Raised means a documented order reference. Registration in progress is not an approved vendor/customer relationship. Third-party names and logos identify the relevant organization only and do not imply endorsement.

INSPECTION & TESTING FACILITIES

OPTICAL FLATNESS TEST UNIT



OPTICAL FLAT



DYNAMIC TEST RIG



LAPPING MACHINE





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COMPONENT MECHANICAL SEALS



STAR SINGLE SPRING SEAL **TYPE: ST100 / ST105**

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / Silicone
	Hardware	SS 304 / SS 316
Operating Limits	**Size**	20.0 / 25.0 / 30.0 / 35.0 / 45.0 mm
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	8 bar (116 psi)
	Speed	2,900 RPM

CONICAL SPRING SEAL **TYPE: CS110 / CS115**

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Silicone
	Hardware	SS 304 / SS 316
Operating Limits	**Size**	12.0 mm to 80.0 mm (0.500” to 3.250”)
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	12 bar (174 psi)
	Speed	2,900 RPM





SINGLE SPRING SEAL **TYPE: SS120 / SS125**

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / PTFE / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20
Operating Limits	**Size**	12.0 mm to 100.0 mm (0.500” to 4.000”)
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	12 bar (174 psi)
	Speed	2,900 RPM

MULTI SPRING UNBALANCED SEAL **TYPE: MS210**

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / PTFE / TTV / FFKM / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	14.0 mm to 250.0 mm (0.500” to 10.000”)
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	12 bar (174 psi)
	Speed	2,900 rpm





MULTI SPRING BALANCED SEAL **TYPE: MS200**

Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide / Lecrolloy
	Secondary Seals	NBR / FKM / EPDM / Aflas / PTFE / TTV / FFKM / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	14.0 mm to 250.0 mm (0.500” to 10.000”)
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	25 bar (363 psi)
	Speed	2,900 rpm

COMPONENT MECHANICAL SEALS



MULTI SPRING **TYPE: MI250C / MI255C** - **Compatible replacement option for** CHESTERTON 491 & 891*

Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / Aflas / FFKM / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	14.0 mm to 250.0 mm (0.500" to 10.000")
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	10 bar (145 psi)
	Speed	2,900 rpm

MULTI SPRING SINGLE SEAL **TYPE: MF260S / MF265S** - **Compatible replacement option for** FLOWSERVE RO*

Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / FFKM / PTFE / TTV / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	14.0 mm to 200.0 mm (0.500" to 8.000")
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	12 bar (174 psi)
	Speed	2,900 rpm



MULTI SPRING DOUBLE SEAL **TYPE: MF270D / MF275D** - **Compatible replacement option for** FLOWSERVE ROTT*



Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / FFKM / PTFE / TTV / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	14.0 mm to 200.0 mm (0.500" to 8.000")
	Temperature	-20°C to +150°C (-4°F to +302°F)
	Pressure	16 bar (232 psi)
	Speed	2,900 rpm

WAVE SPRING SINGLE SEAL **TYPE: WS300 / WS305** - Compatible replacement option for EBIPL M7N / H7N*

Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / FFKM / PTFE / TTV / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	20.0 mm to 150.0 mm (0.750" to 6.000")
	Temperature	-20°C to +150°C (-4°F to +302°F)
	Pressure	25 bar (363 psi)
	Speed	2,900 rpm



WAVE SPRING SINGLE SEAL **TYPE: WS320** - **Compatible replacement option for** EBIPL HJ92N*



Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / FFKM / PTFE / TTV / Silicone
	Hardware	SS 304 / SS 316 / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	20.0 mm to 100.0 mm (0.750" to 4.000")
	Temperature	-20°C to +150°C (-4°F to +302°F)
	Pressure	25 bar (363 psi)
	Speed	2,900 rpm

*Subject to dimensional and application verification. Please Note: References to third party brands and model numbers are provided solely for product identification and compatibility. Please refer to back cover for complete disclaimer.

COMPONENT MECHANICAL SEALS

ELASTOMER BELLOWS TYPE



TYPE: RB10
Compatible replacement option for EBIPL MG1*



TYPE: RB20
Compatible replacement option for EBIPL MG12*



TYPE: RB30
Compatible replacement option for EBIPL MG13*



TYPE: RB40
Compatible replacement option for JC502*



TYPE: RB50
Compatible replacement option for JC2100*



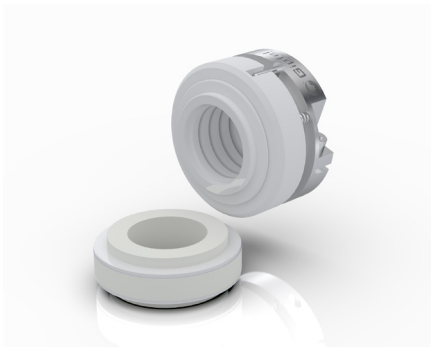
TYPE: RB60
Compatible replacement option for JC21*

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM
	Hardware	SS 304 / SS 316
Operating Limits	**Size**	12.0 mm to 100.0 mm (0.500” to 4.000”)
	Temperature	-20°C to +120°C (-4°F to +248°F)
	Pressure	10 bar (145 psi)
	Speed	2,900 rpm

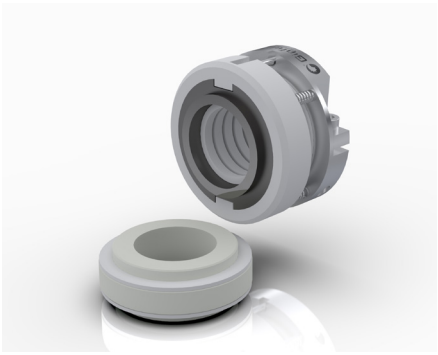
*Subject to dimensional and application verification. Please Note: References to third party brands and model numbers are provided solely for product identification and compatibility. Please refer to back cover for complete disclaimer.

COMPONENT MECHANICAL SEALS

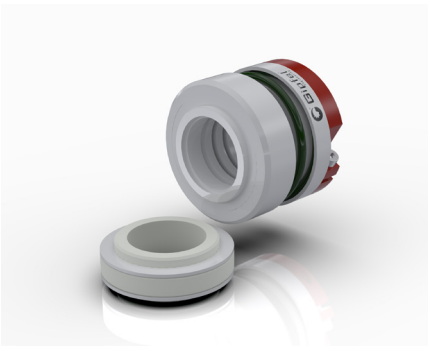
PTFE BELLOWS TYPE



TYPE: TB400



TYPE: TB410R (REPLACEABLE FACE)



TYPE: TB420

Materials	**Faces**	Carbon / GFT / Ceramic / Silicon Carbide
	Secondary Seals	PTFE
	Hardware	SS 316 / Hastelloy C / Alloy 20
Operating Limits	**Size**	20.0 mm to 100.0 mm (0.750” to 4.000”)
	Temperature	-50°C to +110°C (-58°F to +230°F)
	Pressure	5 bar (73 psi)
	Speed	2,900 rpm

METAL BELLOWS TYPE



TYPE: MB500



TYPE: MB510L



TYPE: MB520S

Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / FFKM / Graphite
	Hardware	SS 316 / SS 316L / Hastelloy C / Alloy 20 / Duplex / Carpenter 42
	Bellow MOC	AM-350 / Alloy 20 / Hastelloy C / Inconel 625
Operating Limits	**Size**	25.0 mm to 100.0 mm (1.000” to 4.000”)
	Temperature	-50°C to +350°C (-58°F to +662°F)
	Pressure	Vacuum to 25 bar (363 psi)
	Speed	2,900 rpm

SEMI-CARTRIDGE MECHANICAL SEALS



TYPE: SSC696A-B

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / Neoprene / PTFE / TTV
	Hardware	SS 304 / SS 316 / Hastelloy-B & C
Operating Limits	**Size**	20.0 mm to 100.0 mm (0.750” to 4.000”)
	Temperature	-20°C to +160°C (-4°F to +320°F)
	Pressure	12 bar (174 psi)
	Speed	2,900 rpm

TYPE: SSC697A-G

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / Neoprene / PTFE / TTV / FFKM
Operating Limits	**Hardware**	SS 304 / SS316 / Duplex / Hastelloy-B & C / Alloy-20 / Titanium
	Size	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-40°C to +220°C (-40°F to +428°F)
	Pressure	40 bar (580 psi)
	Speed	2,900 rpm





TYPE: BS700 / BS710

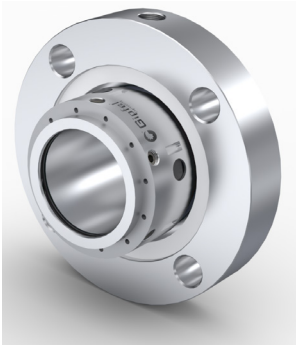
Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / FFKM / Graphite
	Hardware	SS 316 / SS 316L / Hastelloy C-276 / Alloy 20 / Duplex
	Bellow MOC	AM-350 / Alloy 20 / Hastelloy C / Inconel 625
Operating Limits	**Size**	25.0 mm to 100.0 mm (1.000” to 4.000”)
	Temperature	-50°C to +350°C (-58°F to +662°F)
	Pressure	25 bar (363 psi)
	Speed	2,900 rpm

TYPE: SSC690 / SSC695

Materials	**Faces**	Tungsten Carbide / Tungsten Carbide
	Secondary Seals	FKM / PTFE
	Hardware	SS 316 / Hastelloy C-276
Operating Limits	**Size**	20.0 mm to 150.0 mm (0.750” to 6.000”)
	Temperature	-40°C to +220°C (-40°F to +428°F)
	Pressure	40 bar (580 psi)
	Speed	2,900 rpm



CARTRIDGE MECHANICAL SEALS

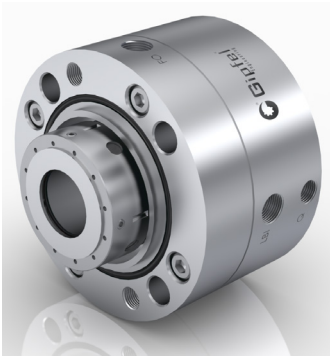


SINGLE CARTRIDGE MECHANICAL SEAL **TYPE: SC615 / SC620 / SC625 / SC630**

Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / Aflas / EPR / Neoprene / Kalrez / PTFE / TTV
	Hardware	SS 304 / SS 316 / Duplex / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-40°C to +220°C (-40°F to +428°F)
	Pressure	40 bar (580 psi)
	Speed	2,900 rpm

DOUBLE CARTRIDGE MECHANICAL SEAL **TYPE: DC640 / DC650 / DC660 / DC670**

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / Aflas / EPR / Neoprene / Kalrez / PTFE / TTV
	Hardware	SS 304 / SS 316 / Duplex / Hastelloy C-276 / Alloy 20 / Titanium
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-40°C to +220°C (-40°F to +428°F)
	Pressure	40 bar (580 psi)
	Speed	2,900 rpm





METAL BELLOW CARTRIDGE SEAL **TYPE: BC720 / BC730 / BD740 / BD750**

Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / FFKM / Graphite
	Hardware	SS 316 / SS 316L / Duplex / Hastelloy C-276 / Alloy 20
	Bellow MOC	AM-350 / Alloy 20 / Hastelloy C / Inconel 625 / Titanium
Operating Limits	**Size**	25.0 mm to 150.0 mm (1.000” to 6.000”)
	Temperature	-40°C to +220°C (-40°F to +428°F)
	Pressure	25 bar (363 psi)
	Speed	2,900 rpm

TYPE: DC680F COMPATIBLE REPLACEMENT OPTION FOR FLYGT PUMP SEAL*

Materials	**Faces**	Tungsten Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM
	Hardware	SS 316 / Hastelloy C-276
Operating Limits	**Size**	15 / 20 / 22 / 25 / 28 / 35 / 45 / 60 / 80 / 90 & 120 mm
	Temperature	-20°C to +200°C (-4°F to +392°F)
	Pressure	25 bar (363 psi)
	Speed	2,900 rpm



TYPE: SC610G COMPATIBLE REPLACEMENT OPTION FOR GRUNDFOS PUMP SEAL*



Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / PTFE
	Hardware	SS 304 / SS 316
Operating Limits	**Size**	12 mm / 16 mm / 22 mm / 32 mm
	Temperature	-20°C to +200°C (-4°F to +392°F)
	Pressure	15 bar (218 psi)
	Speed	2,900 rpm

*Subject to dimensional and application verification. Please Note: References to third party brands and model numbers are provided solely for product identification and compatibility. Please refer to back cover for complete disclaimer.

ENGINEERED MECHANICAL SEALS

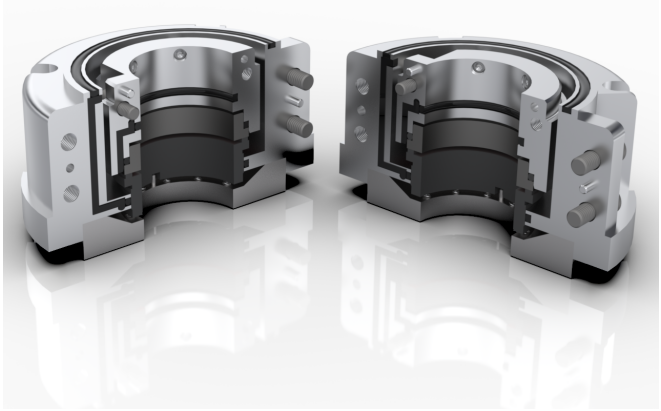
HIGH PRESSURE MECHANICAL SEAL **TYPE: HP760**



Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / FFKM
	Hardware	SS 316 / Duplex / Hastelloy C-276 / Alloy 20
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	Up to +350°C (Up to +662°F)
	Pressure	220 bar (3,191 psi) Max pressure*
	Speed	6,000 rpm Max Speed*

*Maximum operating limits are configuration and application-specific and may not apply simultaneously. Final pressure, speed, temperature, size, materials and arrangement must be confirmed in the approved technical datasheet.

SPLIT MECHANICAL SEAL **TYPE: SPT770**



Materials	**Faces**	Carbon / Silicon Carbide
	Secondary Seals	NBR / FKM / EPDM / FFKM
	Hardware	SS 316 / Hastelloy C-276
Operating Limits	**Size**	35.0 mm to 300.0 mm (1.375” to 12.000”)
	Temperature	-40°C to +150°C (-40°F to +302°F)
	Pressure	10 bar (145 psi)
	Speed	2,900 rpm

ENGINEERED MECHANICAL SEALS

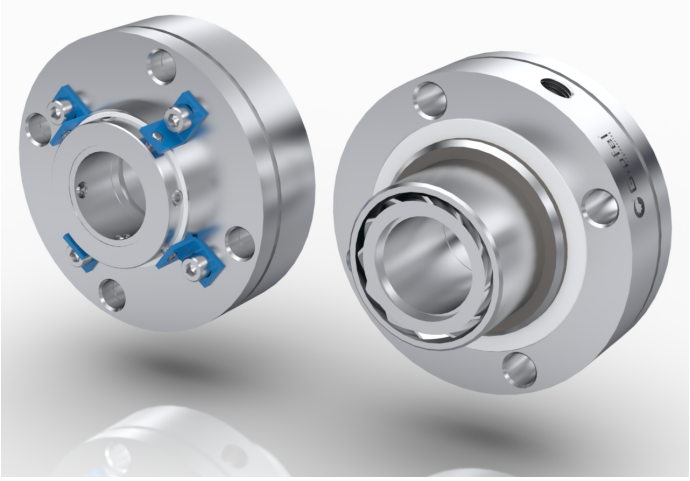
CARTRIDGE MECHANICAL SEAL **FOR API 682 APPLICATIONS***

*Configuration-specific requirements are confirmed in the approved technical datasheet



Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	EPDM / FKM / FFKM / PTFE / Graphite
	Hardware	SS 316 / SS 316L / Hastelloy C-276 / Alloy 20 / Titanium / Carpenter 20
	Bellow MOC	AM-350 / Alloy 20 / Hastelloy C / Inconel 625 / Titanium
Operating Limits	**Size**	20.0 mm to 150.0 mm (0.750” to 6.000”)
	Temperature	-130°C to +400°C (-202°F to +752°F) limits may not apply simultaneously
	Pressure	Vacuum to 35 bar (508 psi) limits may not apply simultaneously
	Speed	3,600 rpm

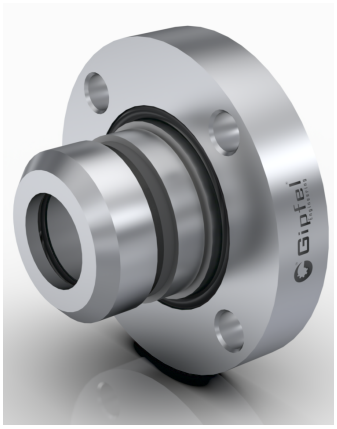
GAS SEAL TYPE: GS780



Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / AFLAS / FFKM
	Hardware	SS 316 / Hastelloy C-276 / Alloy 20 / Duplex / Titanium
Operating Limits	**Size**	20.0 mm to 200.0 mm (0.750” to 8.000”)
	Temperature	-20°C to +200°C (-4°F to +392°F)
	Pressure	60 bar (870 psi)
	Speed	3,600 rpm

SLURRY MECHANICAL SEALS

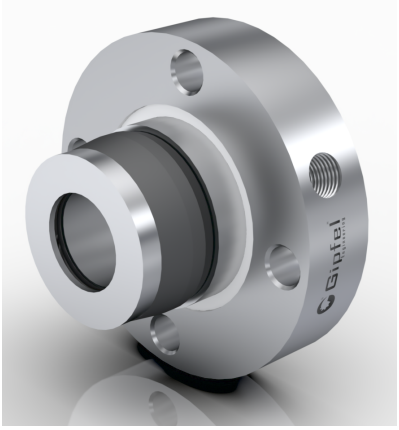
LIGHT DUTY SLURRY **TYPE: LS810 / LS830**



Materials	**Faces**	Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / Aflas / EPR / Neoprene / FFKM / PTFE
	Hardware	SS 304 / SS 316 / Duplex / Hastelloy C-276
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-20°C to +93°C (-4°F to +199.4°F)
	Pressure	10 bar (145 psi)
	Speed	2,900 rpm
	Solids	10% Maximum solids by weight
	Particle Size	1,000 Micron Maximum
	Particle Hardness	4 Mohs Maximum

MEDIUM DUTY SLURRY **TYPE: MS820 / MS840**

Materials	**Faces**	Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / Aflas / EPR / FFKM / PTFE
	Hardware	SS 304 / SS 316 / Duplex / Hastelloy C-276
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-20°C to +135°C (-4°F to +275°F)
	Pressure	17 bar (247 psi)
	Speed	2,900 rpm
	Solids	30% Maximum solids by weight
	Particle Size	6,000 Micron Maximum
	Particle Hardness	9 Mohs Maximum



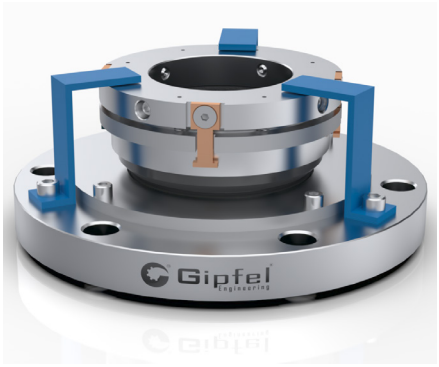
HEAVY DUTY SLURRY **TYPE: HS860 / HS870**



Materials	**Faces**	Silicon Carbide / Tungsten Carbide
	Secondary Seals	FKM / EPDM / Aflas / EPR / FFKM / PTFE
	Hardware	SS 304 / SS 316 / Duplex / Hastelloy C-276
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-20°C to +150°C (-4°F to +302°F)
	Pressure	20 bar (290 psi)
	Speed	2,900 rpm
	Solids	60% Maximum solids by weight
	Particle Size	10,000 Micron Maximum
	Particle Hardness	9 Mohs Maximum

AGITATOR, MIXER & OTHER ROTATING EQUIPMENT SEALS (TOP, BOTTOM & SIDE ENTRY)

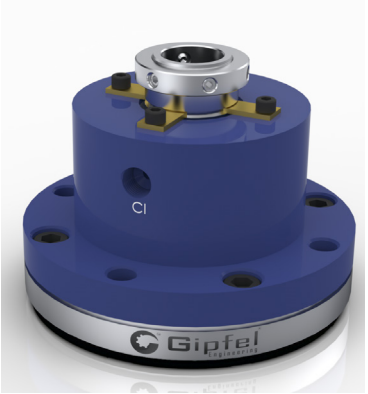
DRY MECHANICAL SEAL **TYPE: SD900 / SD905**



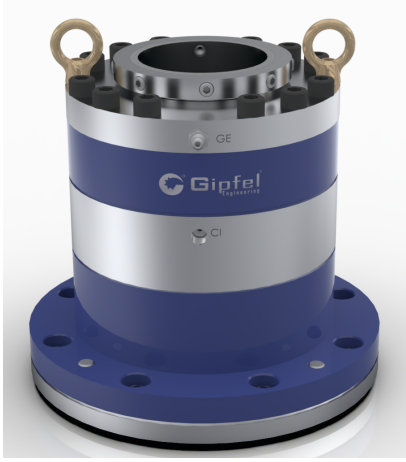
Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / PTFE / TTV / FFKM
	Hardware	SS 304 / SS 316 / SS 316L / Duplex / Alloy 20
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-20°C to +150°C (-4°F to +302°F)
	Pressure	Vacuum to 6 bar (87 psi)
	Speed	150 rpm

SINGLE MECHANICAL SEAL WITH OR WITHOUT BEARING **TYPE: ES915 / ES920 / ES925 / ES930**

Materials	**Faces**	Carbon / Ceramic / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / PTFE / TTV / FFKM
	Hardware	SS 304 / SS 316 / SS 316L / Duplex / Alloy 20
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-20°C to +150°C (-4°F to +302°F)
	Pressure	Vacuum to 6 bar (87 psi)
	Speed	150 rpm



DOUBLE MECHANICAL SEAL WITH OR WITHOUT BEARING **TYPE: ED935 / ED940 / ED945 / ED950**



Materials	**Faces**	Carbon / Silicon Carbide / Tungsten Carbide
	Secondary Seals	NBR / FKM / EPDM / Aflas / PTFE / TTV / FFKM
	Hardware	SS 304 / SS 316 / SS 316L / Duplex / Alloy 20
Operating Limits	**Size**	20.0 mm to 300.0 mm (0.750” to 12.000”)
	Temperature	-40°C to +250°C (-40°F to +482°F)
	Pressure	Vacuum to 250 bar (3,626 psi)
	Speed	1,400 rpm

*Maximum operating limits are configuration and application-specific and may not apply simultaneously. Final pressure, speed, temperature, size, materials and arrangement must be confirmed in the approved technical datasheet.

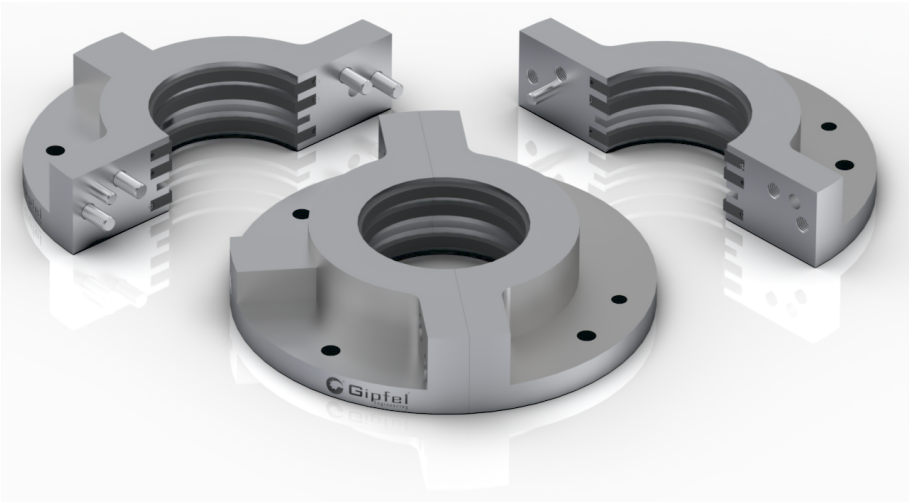
CARBON FLOATING RING SEAL



TYPE: CF-1410 / CF-1420 / CF-1430

Specification	**Size**	12.0 mm to 300.0 mm (0.500” to 12.000”)
	Temperature	-50°C to +250°C (-58°F to +482°F)
	Pressure	20 bar (290 psi)
	Speed	Up to 3,600 rpm
	MOC	Carbon / SS 316 / Hastelloy C / Inconel 625 / Titanium

CARBON SEGMENTED RING SEAL

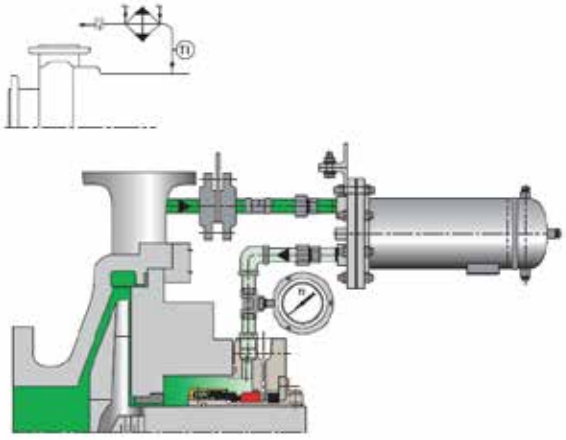


TYPE: CS-1605

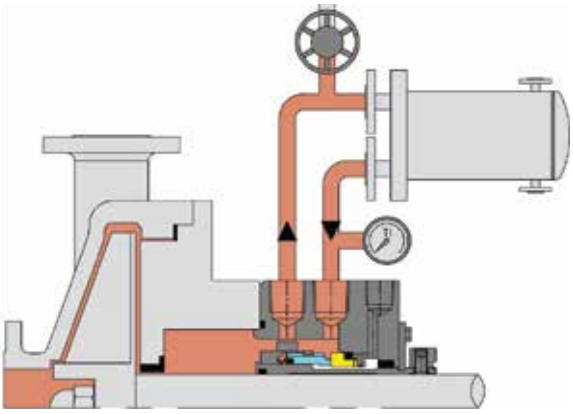
Specification	**Size**	12.0 mm to 300.0 mm (0.500” to 12.000”)
	Temperature	-50°C to +250°C (-58°F to +482°F)
	Pressure	20 bar (290 psi)
	Speed	Up to 3,600 rpm (Manufactured for higher speed on request)
	MOC	Carbon / SS 316 / Hastelloy / Inconel / Titanium

SEAL SUPPORT SYSTEMS (API PLANS)

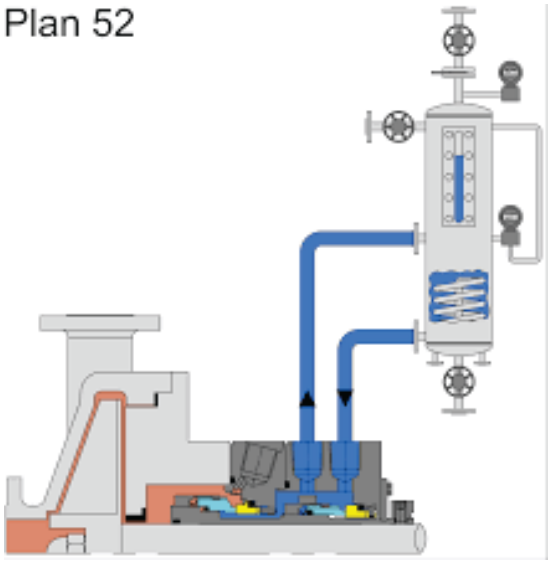
PLAN – 21



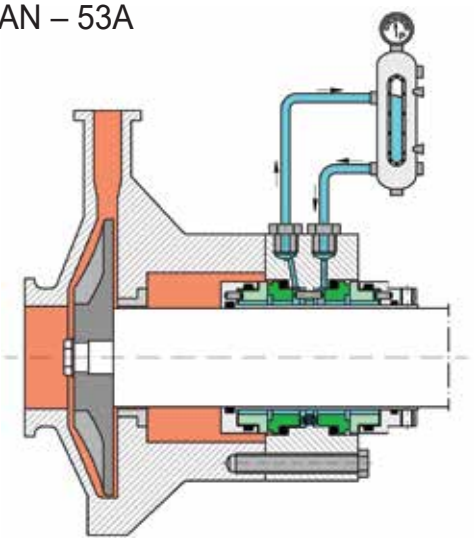
PLAN – 23



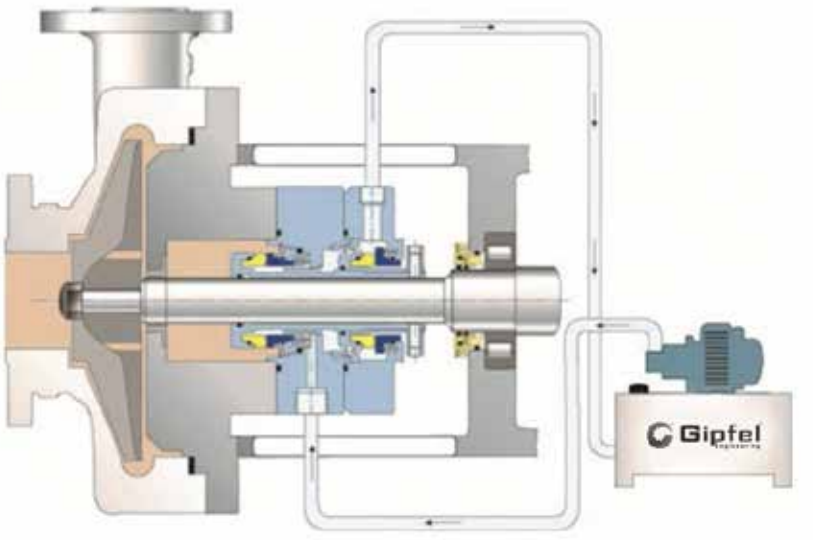
Plan 52



PLAN – 53A



PLAN – 54



SEALING COMPOUND - Tom-Pac®



SPECIFICATION & APPLICATION OF SEALING COMPOUNDS

Grade	TP-4000		TP-5400		TP-4800	
Parameters	Dynamic	Static	Dynamic	Static	Dynamic	Static
Application	For General Application		For Food Grade (USDA H1) & Fine Paper		For Slurries, Harsh Chemicals, Solvents, Acids, Pulp Mill, Black Liquor	
Maximum Speed	3,600 rpm	N/A	3,000 rpm	N/A	2,400 rpm	N/A
Maximum Pressure (bar)	15	75	15	70	15	75
Temperature (°C)	- 40°C to + 315°C	- 40°C to + 260°C	- 10°C to + 260°C	- 10°C to + 260°C	- 40°C to + 210°C	- 40°C to + 230°C
pH Range	2 – 12		1 – 13		1 – 13	

Note: For Expert Guidance on your specific application, consult Gipfel Engineering.

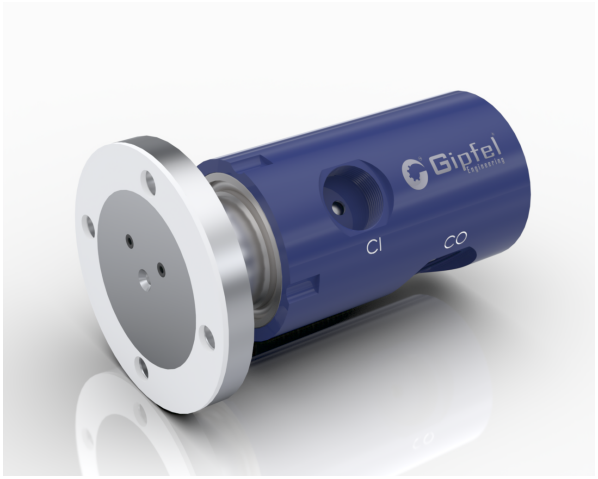
Published grades and limits must be confirmed against the current manufacturer literature and Gipfel's authorized supply documentation.

ROTARY JOINTS

TYPE: RJ1210 (Single Pass)



TYPE: RJ1215 & RJ1220 (Double Pass)



TYPE: RJ1230 (Multiple Pass)



Specification	**Connection Size**	12.0 mm to 300.0 mm (0.500” to 12.000”)
	Temperature	-30°C to +140°C (-22°F to +284°F)
	Pressure	16 bar (232 psi)
	Speed	Up to 300 rpm
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L

BEARING ISOLATOR / LABYRINTH SEAL



TYPE: BI-1710

Specification	**Size**	12.0 mm to 300.0 mm (0.500” to 12.000”)
	Temperature	-20°C to +180°C (-4°F to +356°F)
	Elastomer	NBR / FKM / Aflas / FFKM
	Speed	Up to 3,600 rpm
	MOC	SS 304 / Bronze

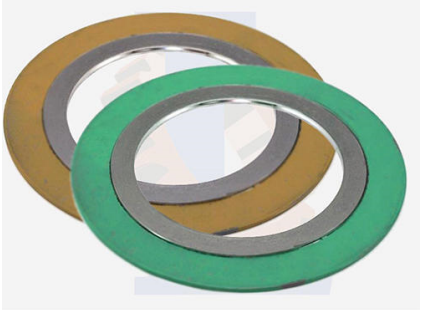
RELATED PRODUCTS



TRACK ROLLER SEAL (MECHANICAL FACE SEAL)



BRAIDED PACKING



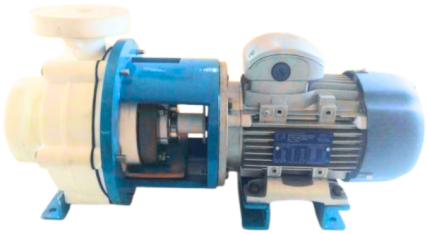
SWG (SPIRAL WOUND GASKET)



INSTRUMENT VALVE

CENTRIFUGAL HORIZONTAL PUMPS

NON-METALLIC MONOBLOCK PUMP **TYPE: HM-1105**



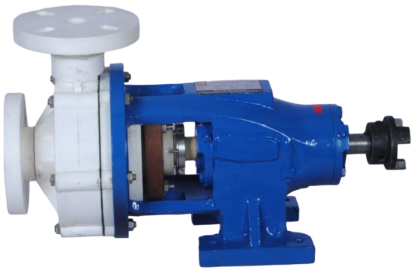
Specification	**Flow Rate (Min. to Max.)**	1 m^3/h to 50 m^3/h
	Head (Min. to Max.)	1 m to 45 m
	Pressure	4.5 bar (65 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-20°C to +80°C (-4°F to +176°F)
	Power	≤ 10 kW
	MOC	Polypropylene / PVDF / PPH / PFA / UHMWPE

METALLIC MONOBLOCK PUMP **TYPE: HM-1110**

Specification	**Flow Rate (Min. to Max.)**	1 m^3/h to 755 m^3/h
	Head (Min. to Max.)	1 m to 160 m
	Pressure	16 bar (232 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-30°C to +140°C (-22°F to +284°F)
	Power	≤ 110 kW
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L



NON-METALLIC COUPLED PUMP **TYPE: HC-1115**



Specification	**Flow Rate (Min. to Max.)**	1.5 m^3/h to 300 m^3/h
	Head (Min. to Max.)	2 m to 65 m
	Pressure	6.5 bar (94 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-20°C to +80°C (-4°F to +176°F)
	Power	≤ 110 kW
	MOC	Polypropylene / PVDF / PPH / PFA / UHMWPE

METALLIC COUPLED PUMP **TYPE: HC-1120**

Specification	**Flow Rate (Min. to Max.)**	1.5 m^3/h to 1,368 m^3/h
	Head (Min. to Max.)	2 m to 160 m
	Pressure	16 bar (232 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-30°C to +140°C (-22°F to +284°F)
	Power	≤ 150 kW
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L



Note: Range values represent product-family envelopes and may not be achievable simultaneously.
Final duty point, materials, motor rating and operating limits shall be confirmed in the approved pump data sheet and performance curve.

CENTRIFUGAL VERTICAL PUMPS



NON-METALLIC MONOBLOCK PUMP **TYPE: VM-1125**

Specification	**Flow Rate (Min. to Max.)**	1 m^3/h to 50 m^3/h
	Head (Min. to Max.)	1 m to 45 m
	Pressure	4.5 bar (65 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-20°C to +80°C (-4°F to +176°F)
	Power	≤ 10 kW
	MOC	Polypropylene / PVDF / PPH / PFA / UHMWPE

CENTRIFUGAL VERTICAL METALLIC MONOBLOCK PUMP **TYPE: VM-1130**

Specification	**Flow Rate (Min. to Max.)**	1 m^3/h to 250 m^3/h
	Head (Min. to Max.)	1 m to 50 m
	Pressure	5 bar (73 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-20°C to +140°C (-4°F to +284°F)
	Power	≤ 50 kW
	Pump Length	1,000 mm (1 m) Standard Maximum Pump Length
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L





CENTRIFUGAL VERTICAL NON-METALLIC COUPLED PUMP **TYPE: VC-1135**

Specification	**Flow Rate (Min. to Max.)**	1 m^3/h to 50 m^3/h
	Head (Min. to Max.)	1 m to 45 m
	Pressure	4.5 bar (65 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-20°C to +80°C (-4°F to +176°F)
	Power	≤ 10 kW
	Pump Length	1,000 mm (1 m) Standard Maximum Length
	MOC	Polypropylene / PVDF / PPH / PFA / UHMWPE

CENTRIFUGAL VERTICAL METALLIC COUPLED PUMP **TYPE: VC-1140**

Specification	**Flow Rate (Min. to Max.)**	1 m^3/h to 325 m^3/h
	Head (Min. to Max.)	1 m to 60 m
	Pressure	6 bar (87 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-20°C to +140°C (-4°F to +284°F)
	Power	≤ 150 kW
	Pump Length	4,000 mm (4 m) Standard Maximum Length
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L



Note: Range values represent product-family envelopes and may not be achievable simultaneously.
Final duty point, materials, motor rating and operating limits shall be confirmed in the approved pump data sheet and performance curve.

CENTRIFUGAL IN-LINE PUMP



TYPE: IL-1145 / IL-1150

Specification	**Flow Rate (Min. to Max.)**	2 m^3/h to 850 m^3/h
	Head (Min. to Max.)	2 m to 140 m
	Pressure	16 bar (232 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-30°C to +140°C (-22°F to +284°F)
	Power	≤ 150 kW
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L

CENTRIFUGAL MULTISTAGE PUMPS



TYPE: HMS-1170 (Horizontal)



TYPE: VMS-1180 (Vertical)

Specification	**Flow Rate (Min. to Max.)**	1 m^3/h to 25 m^3/h
	Head (Min. to Max.)	1 m to 380 m (**HMS-1170**) & 1 m to 250 m (**VMS-1180**)
	Pressure	38 bar & 25 bar (551.14 psi & 362.59 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-30°C to +140°C (-22°F to +284°F)
	Power	≤ 200 kW (**HMS-1170**) & ≤ 150 kW (**VMS-1180**)
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L

Note: Range values represent product-family envelopes and may not be achievable simultaneously.
Final duty point, materials, motor rating and operating limits shall be confirmed in the approved pump data sheet and performance curve.

CENTRIFUGAL SELF-PRIMING PUMP



TYPE: GSP-1190 / GSP-1195

Specification	**Flow Rate (Min. to Max.)**	1.5 m^3/h to 640 m^3/h
	Head (Min. to Max.)	2 m to 55 m
	Pressure	5.5 bar (80 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-30°C to +110°C (-22°F to +230°F)
	Power	≤ 150 kW
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L

SPLIT-CASING PUMP

TYPE: SPT-1160

Specification	**Flow Rate (Min. to Max.)**	20 m^3/h to 4,000 m^3/h
	Head (Min. to Max.)	5 m to 220 m
	Pressure	25 bar (363 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-30°C to +140°C (-22°F to +284°F)
	Power	≤ 300 kW
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316 / SS 316L



SUBMERSIBLE PUMP



TYPE: GSS-1200

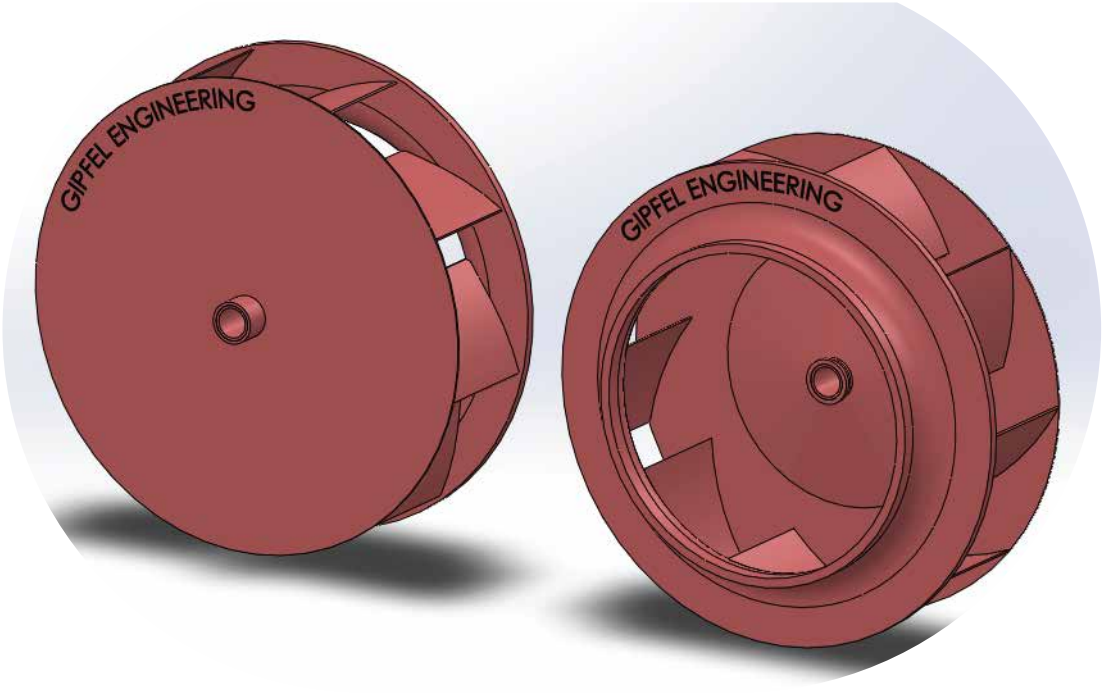
Specification	**Flow Rate (Min. to Max.)**	50 m^3/h to 280 m^3/h
	Head (Min. to Max.)	20 m to 150 m
	Pressure	15 bar (218 psi)
	Speed	1,450 or 2,900 rpm
	Temperature	-10°C to +33°C (+14°F to +91.4°F)
	Power	≤ 150 kW
	MOC	CI / CS / WCB / Bronze / SS 304 / SS 316

Note: Range values represent product-family envelopes and may not be achievable simultaneously.
Final duty point, materials, motor rating and operating limits shall be confirmed in the approved pump data sheet and performance curve.

PUMP SPARES



BLOWER IMPELLERS & ID FANS



REFURBISHMENT SERVICES

CARTRIDGE MECHANICAL SEALS

Before Refurbishment



After Refurbishment





BOILER FEED PUMP SEALS (BFP) Before Refurbishment



BOILER FEED PUMP SEALS (BFP) After Refurbishment

OUR PRODUCT DESIGN IS CUSTOMIZED TO SUIT A WIDE RANGE OF EQUIPMENT

EQUIPMENT

PUMPS	• Process Pump • Utility Pump • Split Casing Pump • Boiler Feed Pump • Condensate Extraction Pump	• Vacuum Pump • Vertical Pump • Turbine Pump • Inline Pump • Progressive Cavity Pump	• Screw Pump • Milk & Hygienic Pump • Gear Pump
BLENDERS, DRYERS & MILLS	• Chopper, Blender • Ribbon Blender • V Blender • Vacuum Blender • Agitated Nutsche Filter Dryer • Dryer • Paddle Dryer • Rotary Cone Dryer	• Drum Dryer • Filter Dryer • Twin Shaft Screw Dryer • Vacuum Dryer • Conical Ball Mill • Drying Mill • Impact Mill • Jet Mill	• Multi Mill • Ball Mill • Sand Mill • Colloid & Bead Mill • Paint Mill • Pin Mill • Roller Mill • Turbo Mill
AGITATORS, MIXERS & REACTORS	• Agitator (Top, Bottom & Side Entry) • Gas Induction Agitator • Mixer • Reactor • Ross Inline Mixer • Nauta Mixer • Plough Shear Mixer	• Contra Rotary Mixer • Ball Mill Mixer • Twin Shaft Paddle Mixer • Pilot Plant Mixer • Laboratory Mixer • Vacuum Mixer	• Bio-Reactor • Glass Lined Reactor • Gas Induction Reactor • Stainless Steel Reactor • Horizontal Reactor • Hydrogenation Reactor • Industrial Photo Reactor
BLOWERS & TURBINES	• Blower • Hot Air Blower • Air Classifier Blower • FRP Blower	• Turbine • Gas Induction Turbine • Hydro Turbine • Steam Turbine	
OTHER EQUIPMENT	• Conveyor • Extruder (Rotary Joint) • Autoclave • Polycondensation Autoclave • Bio-Fermenter • Lab Fermenter • Clinker Grinder	• Compressor • Marmalade Cooker • Homogenizer • High Speed Disperser • Vacuum Processing Unit • Tunnel Drilling Machine • Gas Induction Hydro Generator	• Ice-cream Machine • Lump breaker for RCVD • Pulp Pressure Screen • Rotary Valve • Rotary Kiln

OUR PRODUCT DESIGN IS CUSTOMIZED TO SUIT A WIDE RANGE OF INDUSTRIES AND PUMP MAKES & MODELS

APPLICATION AREAS

INDUSTRIES	• Paint • Textile • Chemical • Mining & Minerals	• Oil & Gas • Food, Dairy & Beverage • Metal & Steel • Petrochemical	• Pharmaceutical & Bio-Tech • Pulp & Paper • Automotive
PLANTS	• Co-Generation • Water • Waste Water Treatment • Solvent Extraction • Nuclear Power • Hydroelectric Power	• Coal-Fired Power • Diesel-Fired Power • Thermal Power • Geothermal Power • Gas-Fired Power • Solar Power	• Wind Power • Tidal Power • Cement • Hydrogenation Plants • Sugar Factories & Distillery • Corn Wet & Molasses Based Ethanol
TECHNOLOGIES	• Refining • Polymer	• Biofuel • Aerospace	• Scientific • Hydrocarbon
OTHERS	• Marine • Refrigeration System	• Shipbuilding Transportation • Slurry & Construction Process.	

SR. NO.	PUMP MAKES	PUMP MODELS
01	Micro Finish	0K, 1K, 2K & 3K
02	SPX Johnson	KGEN, CN, FRE & CCR all units.
03	KSB (Single Stage)	Mega-Chem, CPK, MCPK, KWP, Etanorm & Etaline
04	KSB (Multi Stage)	HDA, HGC, WK, WL & WKL
05	Kirloskar	KPD, DB, CE, CPHM, SHM, SHL, MF, UP, RKB & BHR
06	Flowserve	CPX, CPXR, CPXN, CPXP, MEN
07	Sintech	UMOR, UMHQ, SWP, SSHQ, SMF, SCS, CPS & CPSQ
08	Sulzer	CZ, CPT, ZE, MBN & MC
09	Mather + Platt	ETN ISO, ET, PN, SD-SN & RNPB
10	PSP	A, D, HD, P, SC & Vacuum Pumps
11	Grundfos	CR, CM, CH, NB, NK, TP & HS Series
12	ROTO	Progressive Cavity Pumps & Screw Pumps
13	PPI	VWS-350, VWS-400 & VWS-650
14	Other Makes	Sam Turbo, Kishore, Gita, Wilo, Flowmore, Investa, Antico, Leak Proof (Rajedia), JEE, Moniba, Process, Chemlin, AK, Ebara, Flygt, Fristam, IDMC, Lowara, & Selected CNP models

*Third-party references are for product identification only. See the back-cover trademark and compatibility notice.


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Final compatibility and operating limits must be confirmed for each application.