

seepex.com
all things flow

Pumps for Aggressive Chemicals



Special Materials For Aggressive Chemicals

seepex offers a wide range of options and materials to handle particularly aggressive chemicals. The seepex range of metering and dosing pumps is normally constructed of stainless steel. They are also available with plastic (HDPE) bodies. All of these pumps have NPT connections. Flanged connections are available at an extra charge, but they can only be metal. Then they can be coated, internally and externally, with Halar®. This material from Ausimont has the same chemical resistance as Teflon®, and is very tough, resisting abrasion and impacts.

These pumps are available with a variety of rotating parts. Most common of the metals used for these corrosive applications is titanium. Titanium is a versatile metal with good corrosion resistance and abrasion resistance. The most common application for titanium is to handle sodium and calcium hypochlorite. seepex has over ten years of experience with these aggressive compounds, commonly used for sterilization of drinking and swimming pool water.

seepex pumps are also available with duplex stainless steel and Hastelloy® C4 metal internals. The duplex steel is excellent for brine or bleaching applications. It has been used extensively in the power generation, petroleum and paper industries. Hastelloy® is resistant to a wide range of oxidizing chemicals, including hydrochloric and sulfuric acid.

seepex also offers pumps with rotating internals constructed of Kynar®. This PVDF material from Elf Atochem is very resistant to a variety of chemicals but can be damaged by chemicals that have no lubricating properties. The compression fit required between the rotor and stator causes an increase in the coefficient of friction. The lower melting point of Kynar® makes it more likely to be damaged by dry running or non lubricating liquids than pumps with metal rotors.

The plastic rotating unit is ideal, though, for pumping lubricating materials, like polymer flocculants, oils, greases and fuels. MDP pumps are limited on shaft sealing choices. They can only be ordered with a special non-metallic lip seal or an internal rubber bellows seal. The lip seal is constructed of graphite reinforced PTFE. The lip runs on a shaft sleeve constructed of ceramic to prevent shaft fretting. The single, internal, rubber bellows seal has an FPM bellows and seat with stainless steel springs and carbon on ceramic seal faces. The same seal can be supplied with Hastelloy® springs and silicon carbide seal faces, for an extra charge. These are the only seals that can be supplied with the Kynar® rotating unit.



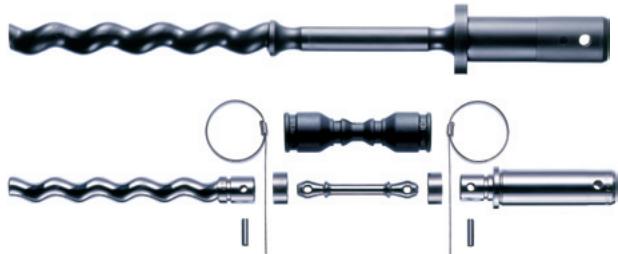
**seepex range MD/MDP
with housing parts made of
Stainless Steel**



**seepex range MD/MDP
with housing parts made
of HDPE**

Pumps with metal shafts can be supplied with the above seals, as well as packing, single external seals and double internal seals. While seal selection is, generally, a matter of customer discretion, seepex recommends only solid silicon carbide or ceramic faces for use with sodium hypochlorite.

Invariably customers' chemicals and processes tend to be unique, as every company tries to differentiate itself from competitors. Selection of the correct combination of materials is critical to any successful pump installation. seepex wants to do its best to make every installation a success. seepex offers sample discs of elastomers, metals and plastics, at no charge, so that customers can satisfy themselves that the correct material selection is being made. Please contact your local seepex representative or distributor to properly define your application and to secure sample materials for testing.



Rotating Units in Titanium, Hastelloy C4, Stainless Steel, Duplex Steel and Kynar®. Kynar® can only be used on polymers and oil based chemicals.



**Halar coated suction casing
of range BN**

seepex GmbH
Scharnhölzstraße 344
46240 Bottrop
P. O. Box 101564
46215 Bottrop
Tel +49.2041.996-0
Fax +49.2041.996-400
info@seepex.com
www.seepex.com

North America:

USA

seepex Inc.
511 Speedway Drive
Enon
Ohio 45323
Tel +1.937.8 64 71 50
Fax +1.937.8 64 71 57
sales@seepex.net

Europe:

Austria

seepex GmbH
Vertriebsbüro Österreich
Obermüllergasse 18
A-3003 Gmblitz
Tel +43.22 31.6 10 85
Fax +43.22 31.6 10 85 20
hfriedl@seepex.com

Belgium

seepex GmbH
Bureau België
Industriezone Klein Gent – Link 21
Welvaartstraat 14-1 bus 15
B-2200 Herentals
Tel +32.14.50 14 71
Fax +32.14.50 14 61
seepex.be@seepex.com

Denmark

seepex Nordic A/S
Bækkegårdsvej 411
DK-3050 Humlebæk
Tel +45.49 19 22 00
Fax +45.49 19 32 00
info.nordic@seepex.com

France

seepex France SARL
1, Rue Pelloutier
F-77183 Croissy Beaubourg
Tel +33.1.64 11 44 50
Fax +33.1.64 11 44 69
info.fr@seepex.com

Great Britain

seepex UK Ltd.
3 Armtech Row
Houndstone Business Park
Yeovil Somerset BA22 8RW
Tel +44.19 35.47 23 76
Fax +44.19 35.47 98 36
sales@seepex.co.uk

Ireland

seepex UK Ltd.
Branch Office Ireland
29 Lackenfune
Dungarvan
Co. Waterford
Tel +353.8 60 45 04 39
sales@seepex.co.uk

Italy

seepex GmbH
Ufficio di Rappresentanza per l'Italia
Piazza Luigi di Savoia, 22
20124 Milano
Tel +39.02.36 56 93 60
Fax +39.02.92 87 78 53
info.it@seepex.com

Spain

seepex GmbH
Oficina de Representación en España
C/ Copenhague, 12
Edif. Tifan Oficina 207
28232 La Rozas
Madrid
Tel +34.91.636.13.53
Fax +34.91.640.93.71
info.es@seepex.com

Sweden

seepex Nordic A/S
Hamndalsvägen 58
S-61633 Åby
Tel +46.116 69 40
Fax +46.116 69 41
info.nordic@seepex.com

The Netherlands

seepex GmbH
Bureau Nederland
Maagdenburgstraat 22c
NL-7421 ZC Deventer
Tel +31.570.51 66 44
Fax +31.570.51 60 77
seepex.nl@seepex.com

Asia:

China

seepex Pumps (Shanghai) Co., Ltd.
Xuanzhong Rd. 399, Building 13
Nanhui Industrial Area
201300 Shanghai
Tel +86.21.38 10 88 88
Fax +86.21.38 10 88 99
info.cn@seepex.com

India

seepex India Pvt. Ltd.
Office No. 305,
Raheja Arcade Building
Sector 11, C.B.D. Belapur
Navi Mumbai 400614
Tel +91.22.4024 0434 / 35
Fax +91.22.4024 0436
info.ind@seepex.com

Japan

seepex Japan Co., Ltd.
Keyaki Building
Nakano-sakaue #101,
2-31-5 Chuo, Nakano-ku,
Tokyo 164-0011
Tel +81.3 57 55 59 71
Fax +81.3 57 55 59 72
info.jp@seepex.com

Malaysia

seepex (M) Sdn. Bhd.
59-1, Jalan PJU 1/37
Dataran Prima
47301 Petaling Jaya
Selangor Darul Ehsan
Tel +60.3.78 80 69 51
Fax +60.3.78 80 69 59
seepex.m@seepex.com

And what can we get flowing for you? Your nearest contact:

More seepex sales partners in
Europe, America, Asia, Africa
and Oceania you will find on
our website.

Or visit www.seepex.com