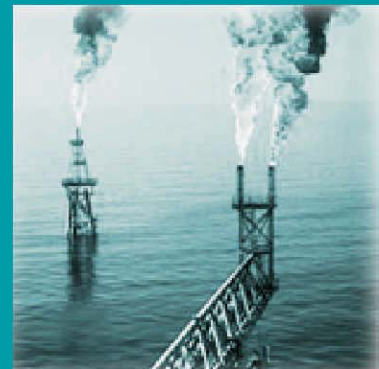


K Range Pumps



Quality through Service



K Range Progressing Cavity Pumps

The extremely popular K-range is a heavy-duty robust industrial pump designed for a wide range of applications throughout a multitude of industries. Available as a compact space-saving close coupled pump, or a rigid long-coupled version with a separate bearing housing for demanding 24 hour a day applications. Low cost of ownership has been achieved through intelligent carefully considered design.



Most pumps are available within 2-3 weeks from date of order, with spare parts being readily available from stock.

Configurations:

- Close coupled
- Long coupled [bearing housing]
- DN2501 flanges
- ANSI flanges
- Screwed flanges

Overview:

- Self-priming
- Positive displacement
- Pulsation free
- Low NPSHr [high suction lift capability]
- Viscous fluids
- Solids laden liquids [slurries]
- Abrasive liquids
- Corrosive liquids
- High pressures
- Pressure independent of flow

K Range Progressing Cavity Pumps

Construction

Casing:

Cast-iron GG25
1.4301 AISB04 stainless steel
1.4404 Aisi316L stainless steel
1.4404 AISI 316L stainless steel

Other grades upon request

Joints:

Universal sealed pin joint
Double mechanical seal
Gland packing

Rotor:

1.4401 AISI 316 stainless steel
1.4301 AISI 304 stainless steel
1.4021 Aisi 420 stainless steel
1.7225 [18NCD5] AISI 4140 alloy steel

Other grades available upon request

Sealing:

Single mechanical seal
316L stainless steel

All with flush ring option

Stator:

Perbunan [Nitrile]
EPDM
H-NBR
Viton

Hypalon

Baseplate:

Carbon steel

Drive Types:

Direct Coupled
Geared Motor
Manual variable speed
Hydraulic

Motor Options:

Single phase
Three phase
Metric all IP ratings
ATEX certified
Inverter rated
NEMA

K Range Progressing Cavity Pumps

Founded in 1999, Sydex has developed an extensive range of high quality and cost effective progressing cavity pumps. By being able to prove state of the art market driven products, flexibility in providing customer focussed solutions, and unparalleled levels of service, we are experiencing rapidly throughout the globe.

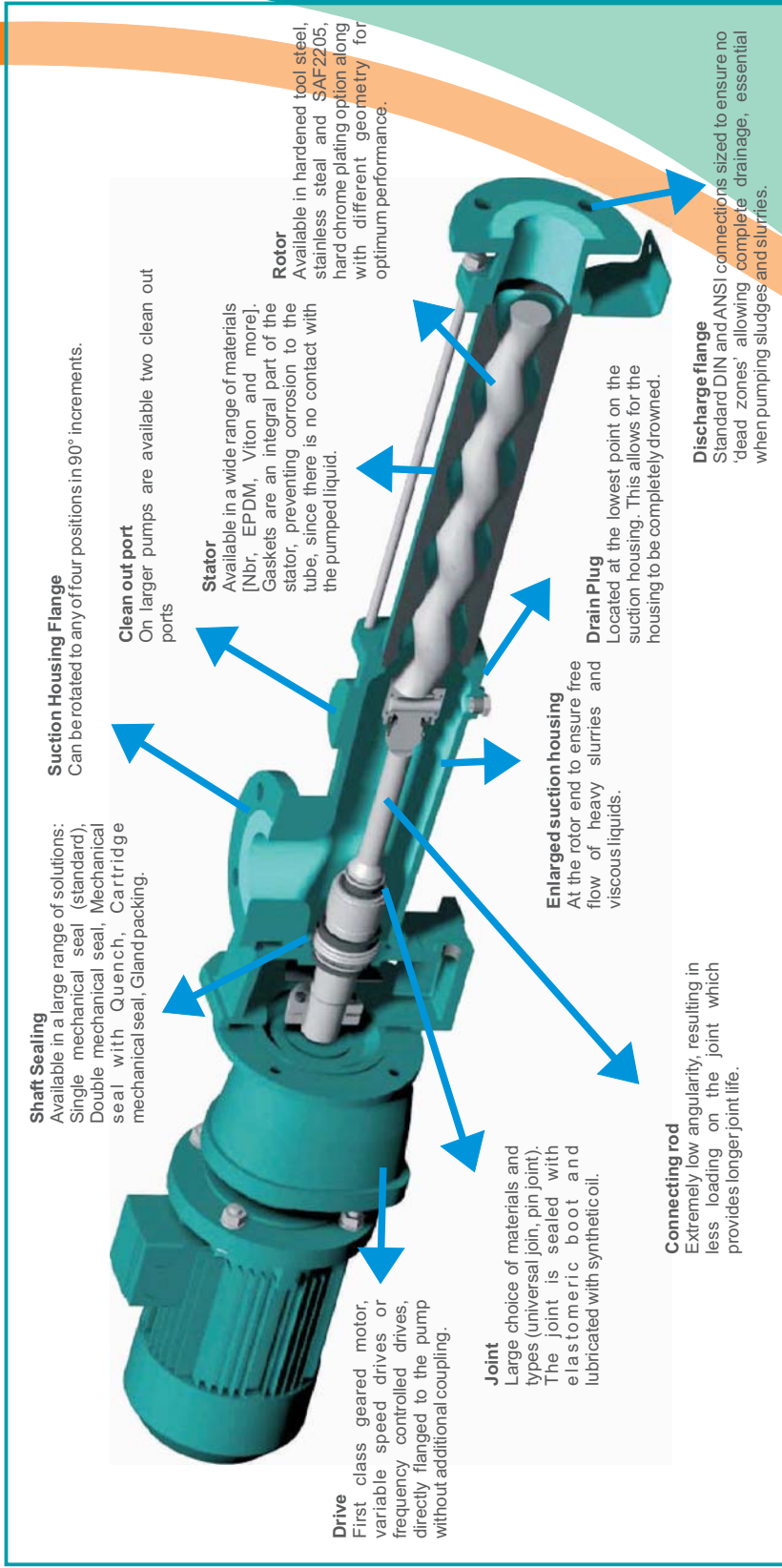
K Range

The K range progressing cavity pump is the core range of Sydex used for most industrial, waste water, petrochemical, chemical and food applications. Available in a wide range of materials, including cast iron, stainless steel 304 and 316 through to Duplex steel (SAF 2205) when required to suit highly corrosive and difficult applications such as high salinity laden liquids.

Features

- Stable pump
- low pulsation
- Delivery direction reversible
- Self-priming rate high
- ATEX version available
- Compact design and cost effective
- Easy maintenance and service available
- Various rotor/stator geometries
- Products with solids can be conveyed gently without damage.

Capacity: from 30 l/h up to 300 m³/h [0.132 usgpm up to 1.320 usgpm]
Pressure: up to 48 bar - [696 psig]



Bearing-Housing Model - LK 075-1L



Block Model - BK 039-1L

Typical fields of application

Environmental and energy: waste water treatment, drinking water purification, renewable energies, bio gas plant.

Oil and gas: On and offshore oil production, oil transfer, petrochemicals, refineries.

Chemical pulp and paper: Chemical industry, paper, cellulose and textile industry, paint ad varnish.

Food and pharmaceutical: Beverages, wine, sugar, breweries, fish and meat processing, bakery

Shipbuilding: Conveying bilge water, drilling mud, treatment of waste, oil water separation.

Mining: Mine de-watering and slurry transfer duties.

K Range Progressing Cavity Pumps



K range pump and grinder package

Waster Water Treatment

Domestic / industrial waste water treatment
Dewatering
Centrifuge feed
Polymer dosing
Chemical dosing
Sludge transfer
Raw sewage
Chemical dosing
Water/oil separation
Marine bilge water

Paper & Pulp

Coatings
Chemical dosing [peroxides, hydroxide etc]
Paper slurries
Adhesives

General Industrial

Shipbuilding
Automotive
Agricultural

Oil & Gas

Flare knock-out drum pumps
Chemical transfer pumps
Waste water
Low NPSH applications
Oil separation
Drilling mud
Waste oil

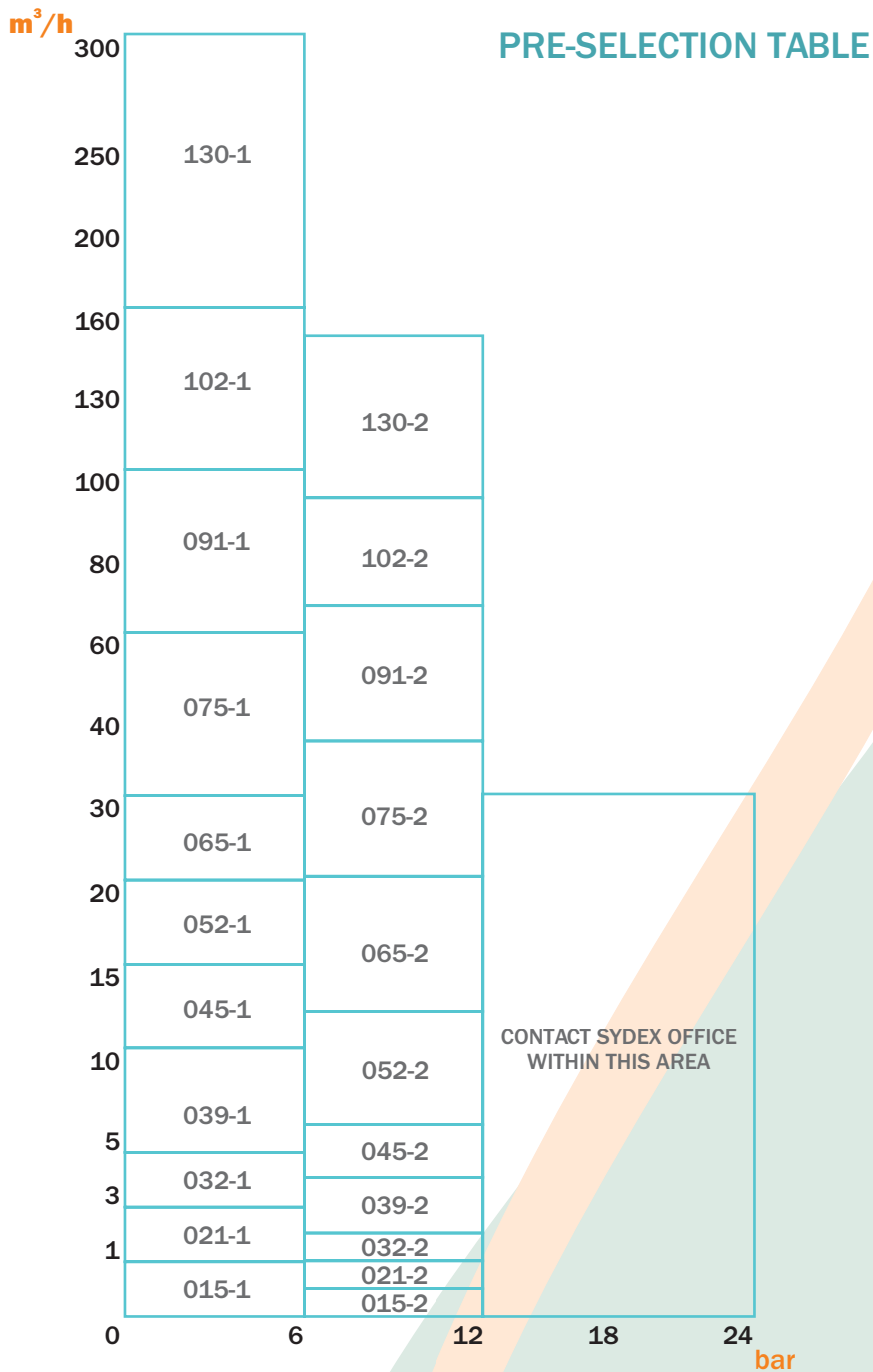
Chemical

Chemical dosing
Calcium chloride
Sodium hydroxide
Chemical slurries
Chemical transfer
Gypsum
Polymer blending
Detergents

Mining

Mine dewatering
Water treatment
Slurries
Chemical dosing

K Range Progressing Cavity Pumps





Torqueflow Sydex

Fluid Management

Torqueflow-Sydex was established in the UK in 2006 working closely with its sister company Sydex. With over 20 years of experience in the pump industry, our purpose is to offer unrivalled levels of service and expertise. Founded in 1999, Sydex has developed an extensive range of high quality and cost effective progressing cavity pumps, which are today used extensively all over the world. By being able to provide state-of-the-art market-driven products, flexibility in providing customer-focused solutions, and unparalleled levels of service, we are experiencing rapid growth throughout the globe, this growth has led to the establishment of Torqueflow-Sydex.

Our products are available in Europe, America, Asia and Oceania. Please contact us for more detail

Torqueflow-Sydex Limited
Unit 2CB Deer Park Farm Industrial Estate
Knowle Lane
Eastleigh
SO50 7PZ

Tel: +44 [0] 845 230 2006
Fax: +44 [0] 845 299 1971

info@torqueflow-sydex.com
www.torqueflow-sydex.com

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