

Rotary Positive Displacement Pumps



We are the preferred provider of expertise, products and services for handling complex fluids



NEMO® Progressing Cavity Pump

Benefits

- Each individual pump is precisely tuned to the requirements of the application to deliver optimum performance, service life and reliability.
- The pumps are available with conveying elements in four different rotor / stator geometries, so that the right solution can always be found for your application.
- Another benefit from our continued investment in product development is a range of coupling joints selected to suit each and every application no matter how demanding.
- And last but not least, we supply a comprehensive range of options and accessories, as well as expert service, as we want you to stay in close contact with NETZSCH even after your pump has been commissioned.

Applications

- Solids (max. solid size upto 150mm)
- Free of solids
- Low to High viscosity
- Thixotropic and Dilatant
- Shear Sensitive
- Abrasive
- Lubricating and Non-lubricating
- Aggressive
- Adhesive
- Toxic

Technical Capacity

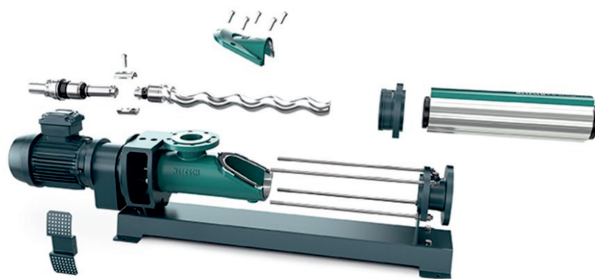
Flowrate	upto 1000m ³ /h
Temp	-20°C to 200°C
Pressure Limit	upto 48 bar - Standard upto 240 bar - High Pressure
Viscosity	upto 3,000,000 cP

Large variety of shaft seals

- Mechanical shaft seals include :
- Single seals with and without quench
- Double acting seals arranged back to back or in tandem
- Cartridge seals for specific applications like stuffing-box packing, lip seals and special seals.

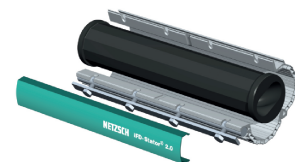
iFD-Stator® 2.0

- Innovation of better technology at lower cost
- Separation of elastomeric stator from metal stator housing.
- Easy and quick replacement of stator, replacement of elastomer only
- Up to 30% power saving
- Single stator design-not split stator
- Zero leakage
- Special polygonal shape to prevent rotation
- Integral sealing collars at the two ends
- Provision for dry run protector-STP 2A as a standard



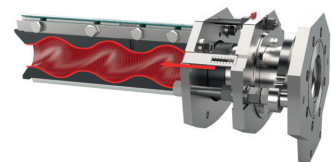
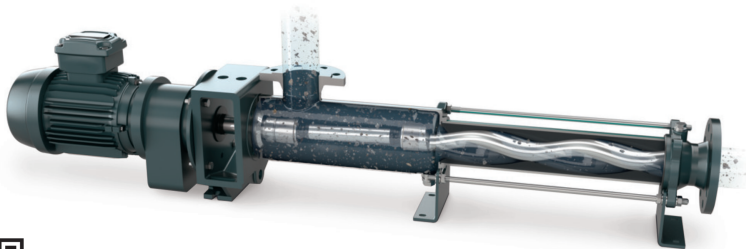
FSIP Full Service in Place

- Complete Pump Service without removing the pump from the system



xLC® stator adjustment unit

- Stator - wear compensation unit
- Extends life of Stator and Rotor upto three times

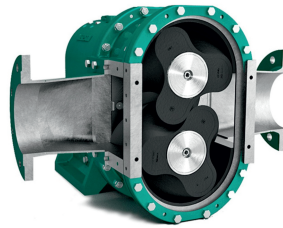


To know more about
NEMO® PCP Pump

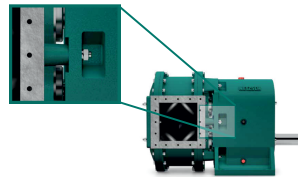
TORNADO® Rotary Lobe Pump

Benefits

- Lube Oil Free Pump
- Highest Performance in the smallest place
- High Flow rate at compact design
- High Wear resistance
- Low Pulsation
- Gentle media handling
- Self-priming up to 8m WC
- Bi-directional - Reversible flow and operation direction
- Installation flexibility (Horizontal / Vertical)
- FSIP® (Full Service in Place)
- Reduced life cycle costs
- Excellent CIP capability



T1 Rubber Metal Pump



GSS® Technology



Rotary Lobe pump T1 - Facelift

Benefits:

- Reduction of repair times by more than 40%
- Improved GSS system
- Energy efficiency is improved up to 25%
- Higher pressures up to 10 bar
- ATEX and CE certification

Applications

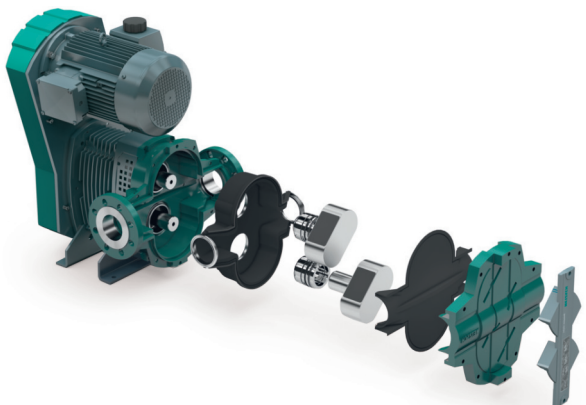
- Solids (max. solid size upto 70mm)
- Free of solids
- Low to High viscosity
- Thixotropic and Dilatant
- Shear Sensitive
- Abrasive
- Lubricating and Non-lubricating
- Aggressive
- Adhesive
- Toxic

Technical Capacity

Flowrate	upto 1000m ³ /h
Temp	upto 150°C
Pressure Limit	upto 10 bar
Viscosity	upto 100,000 cP



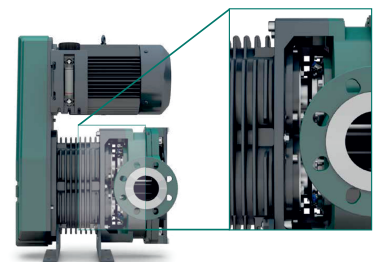
To know more about TORNADO®



T2 Rubber / Metal Pump

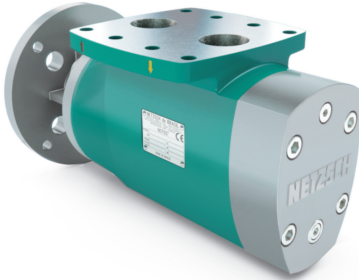


T.Sano® / Metal Hygienic Pump



BSS® Technology

NOTOS® Multi Screw Pumps



The unique design and the high efficiency of NOTOS® covers a wide range of applications. Each individual pump is precisely designed according to the requirements of the application and project. The NOTOS® Multi Screw Pump family has superior quality to meet the demand of high customer standards.

Applications

- Vegetable oil
- Palm oil
- Fish oil
- Hydraulic oil
- Lubrication oil
- Crude petroleum
- Gasoil, Diesel
- Bitumen, Asphalt
- HFO, LFO, FO for thermal power plants
- Emulsions, Paraffin
- Anchor system
- Cargo pumps
- Power generator pump
- Lubrication and Pre-lubrication
- Main engine sealing lubrication

Technical Capacity

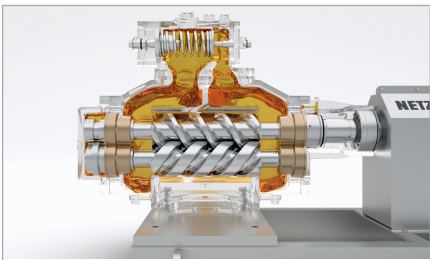
	Flowrate	Pressure	Temp	Viscosity
2NS	650 m ³ /h	16 bar	300°C	100,000 cSt
3NS	400 m ³ /h	100 bar	300°C	15,000 cSt
4NS	2500 m ³ /h	80 bar	300°C	200,000 cSt

Benefits

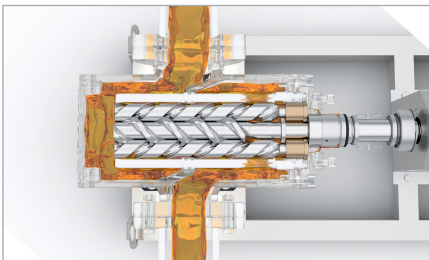
- Pump hydraulically balanced
- Low maintenance cost
- Continuous flow without pulsation
- Flow without turbulence
- No foaming
- High suction capability
- Small foot print
- Long life
- High performance
- Low noise
- API676



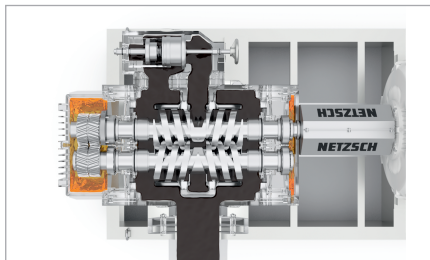
To know more about NOTOS®



2 Screw Pump



3 Screw Pump



4 Screw Pump

PERIPRO Peristaltic Pumps



The PERIPRO product lines are highly efficient and heavy-duty machines. The hose compression system offers the highest accuracy, effectiveness and durability. The absence of valves and mechanical seals means that the PERIPRO peristaltic pump is completely leak-free. In addition, the PERIPRO peristaltic pump withstands dry running completely undamaged, even over a longer period of time. This makes PERIPRO pumps ideal for dosing or pumping highly abrasive, shear-sensitive, viscous and corrosive media.

Benefits

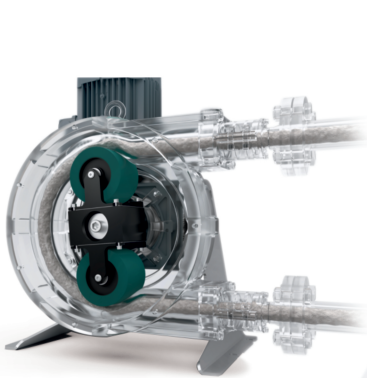
- Energy savings of up to 30 %
- 90 % less lubricant required
- Ease of hose replacement
- Wide range of operation
- Low starting torque

Technical Capacity

Flowrate	upto 23,000 l/hr
Pressure Limit	upto 10 bar
Inner diameter	13 mm - 55 mm
Temp	80°C

Applications

- Abrasive products: Lime milk, activated carbon, sludges and slurries, among others
- Corrosive products: Sodium hypochlorite, ferric chloride, hydrochloric acid, etc.
- Viscous products: Water-based glues, greases, creams, resins, etc.
- Delicate products: Latex, polymers and flocculants, food products, etc.



Industrial version



Chemical version

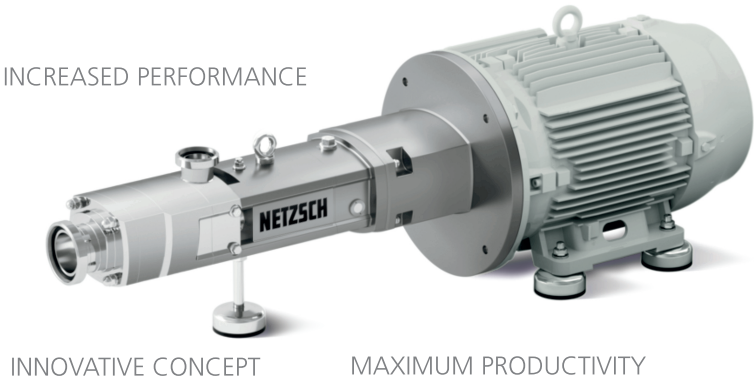


Food version



To know more about
PERIPRO®

NOTOS® 2NSH Hygienic Twin Screw Pump



With a robust, compact body and efficient design, the NOTOS® 2NSH Hygienic Twin Screw Pump is ideal for industries that prioritize high quality, maximum productivity, and excellence in the process: a reliable, customized solution for each customer.

It is designed to optimize the high viscous media transfer at high working pressures (upto 16 bar or 230 psi) of media with higher viscosity, such as chocolate, fruit yogurt, juices, and pumping them while keeping the integrity and natural properties, without any quality loss. This pump is a practical solution that adds more efficiency and technology to the process.

Benefits

- Versatile use eliminating the need for a CIP pump
- Easy maintenance: simple assembly/disassembly
- Flexibility: the same equipment can be used for pumping fluids with low or high temperature/ viscosity
Seals with food-grade certification
- Barrel emptying NBE 200 + NOTOS® 2NSH pump – ensures almost complete emptying, residual product less than 1 %

Technical Capacity

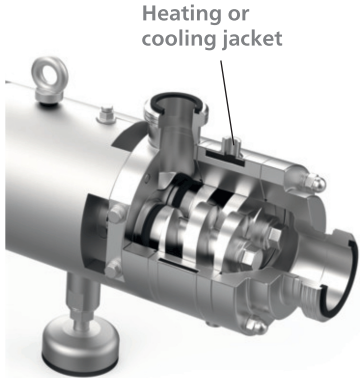
Flowrate	upto 200 m ³ /h
Pressure Limit	upto 16 bar
Viscosity	1 to 1,000,000 cP
Temp	-20 deg. to 130 deg.

Applications

- Food industry: dairy products, delicacies, ketchup, sauces, confectionery and baby food
- Beverage industry: fruit juices, syrups, concentrates, breweries
- Cosmetic and pharmaceutical industry: creams, active substances, ingredients
- Chemical industry: adhesives, solvents, paints, varnishes and plastics

Available with heating or cooling jacket

Adding a jacket for heating or cooling allows temperature control of the fluid. The conventional version of the NOTOS® 2NSH Hygienic Twin Screw Pump can be equipped with a heating or cooling jacket. The jacket is installed around the entire housing in which the screws are located. An external, independent circuit heats or cools the jacket. This pump is perfect for applications where the pumped fluid tends to harden or requires temperature control to guarantee its quality.



To know more about NOTOS® 2NSH

NETZSCH Original Spare Parts, Accessories & Service

Accessories to increase the operational safety of both pump and plant to prevent downtimes

Process monitoring

Dry running protectors safeguard elastomer parts of the pump against thermal damage and protect the pump.

- Dry running protection (STP2A, STP2D)
- Flow sensors for solid stators
- Speed monitoring device

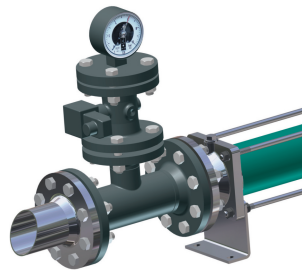
Overpressure and underpressure protectors safeguard the pump and protect downstream machinery and valves against overpressure and underpressure.

- Diaphragm Pressure Gauge
- Pressure control device DTSL 3
- Multi-function pressure instrument
- By-pass line

Protection Units and Trolleys

In all areas of production within the food, pharmaceutical and cosmetic industries, a range of optional parts are available to ensure uncompromising hygiene and to enable mobile use.

- Covers for drives
- Transport devices
- Machine feet – flexible, rigid
- Lifetime extension with xLC® stator adjustment unit

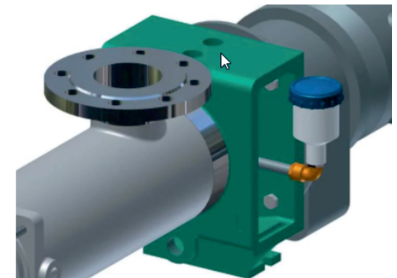


Pressure Gauge

Seal Support Systems

Additional flushing, quench or pressurised flushing systems that flush or close the seals with clean conveyed medium are often required to ensure shaft seals function correctly and reliably.

- Quench pot
- Permanent lubricator
- Pressurised flush for double mechanical seals



Quench Pot

NETZSCH after-sales is built on 3 pillars:

Maintenance and Repairs

when commissioning, maintaining, retrofitting & repairing, and with service contract from NETZSCH you are on the safe side.

Technical Training

by NETZSCH experts at our customer's site or at our locations

Original Spare Parts

with NETZSCH manufacturing quality

The benefit to you

Advice, Service and Quality are our strengths. Strict quality standards, test procedures and certification in accordance with DIN EN ISO 9001 guarantee that you receive the very highest quality without exception. To maintain the performance and quality of your pump, we continue to provide support after delivery in all aspects of your pump to ensure it operates reliably in your system. We have over 70 years of experience with more than 500,000 installed pumps behind us.

For NETZSCH Original spare parts & technical service. Scan the QR code



Mail us at info.nti@netsch.com
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The NETZSCH Group is a mid-sized, family-owned German company engaging in the manufacture of machinery and instrumentation with worldwide production, sales, and service branches.

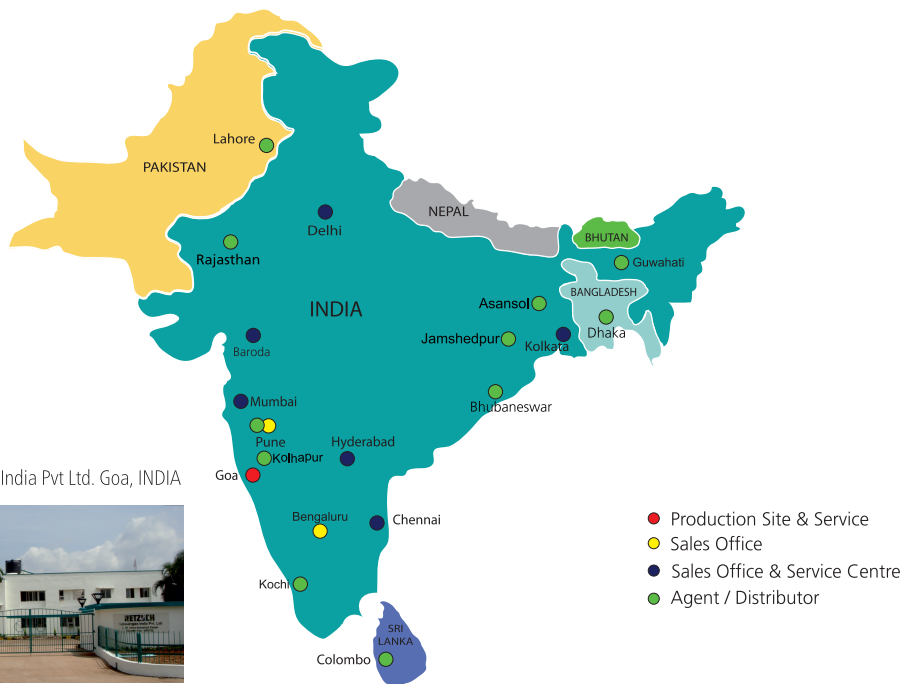
The three Business Units – Pumps & Systems, Grinding & Dispersing and Analysing & Testing – provide tailored solutions for highest-level needs. Over 4,000 employees at 210 sales and production centres in 36 countries across the globe guarantee that expert service is never far from our customers.

NETZSCH Pumps & Systems has its manufacturing unit since 2005, the state of art of manufacturing plant in Goa. Services customers in India, Srilanka, Bangladesh, Pakistan and Nepal through Regional Offices and Distribution Network.

The NETZSCH Business Unit Pumps & Systems offers with NEMO® progressing cavity pumps, TORNADO® rotary lobe pumps, NOTOS® multi screw pumps, PERIPRO peristaltic pumps, macerators/grinders, dosing technology and equipment custom built and challenging solutions for different applications on a global basis.

Business Unit Pumps & Systems
NETZSCH South Asia

NETZSCH
Proven Excellence.



NETZSCH Technologies India Pvt Ltd. Goa, INDIA



Proven Excellence.

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