

**seepex.com**  
all things flow

What does not flow can be made to flow.



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Solids.



Chicken, apples, potatoes, pine apples, cabbages, lettuce, carrots, melons, kitchen waste, fish, spent grain, liquore ...

Highly viscous products.



**mPas value:**  
**more than 50,000**

Peanut butter, caramel mass, minced meat, adhesive,  
biomass, sour cream, tomato paste, dough, lard,  
dewatered sludge ...

## Viscous products.



**mPas value:**  
**10,000...50,000**

Silicone, mustard, lecithin, chocolate syrup, biscuit mixtures, cheese, fudge, tooth paste, ketchup, polymer concentrate ...

# Flowable products.



**mPas value: 2,000...10,000** Honey, wood glue, colours, engine oil, strawberry concentrate, fresh cheese, condensed milk, apple sauce, latex, wax, PVC pastes ...

## Thin flowable products.

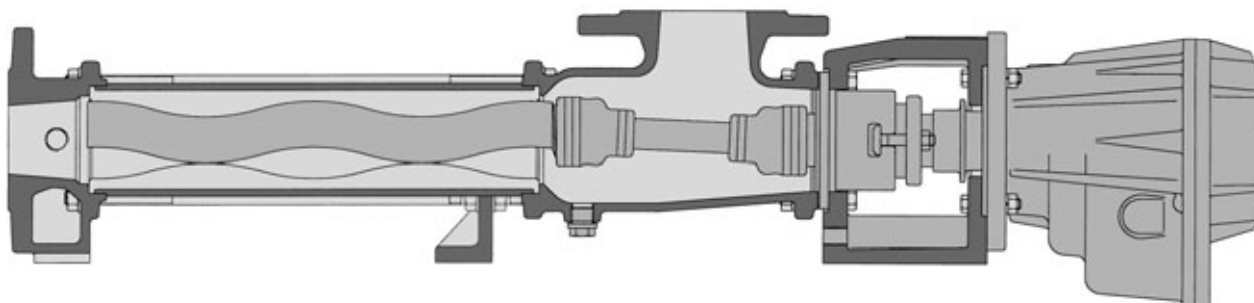


**mPas value: 1...2,000**

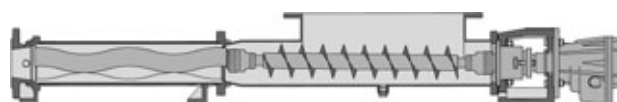
Acids, sewage, sodium hydroxide solution, calcium carbonate, olive oil, sugar solution, sewage sludge, starch, apple juice concentrate, beer, butter cream, yoghurt, orange juice concentrate, kaolin, milk ...

All mPas values refer to the temperature of a product when being transported by seepex pumps.

# Progressive cavity pumps in general.



Product group N



Product group T

seepex progressive cavity pumps have many benefits, these include:

## Wide application range

They are particularly suitable for handling abrasive and even aggressive products with all degrees of viscosity. They can be used on fluids with temperatures from  $-20^{\circ}\text{C}$ ,  $\pm 0^{\circ}\text{F}$  to  $+180^{\circ}\text{C}$ ,  $+350^{\circ}\text{F}$  and can transport products with a capacity of 0.1l/h upto  $500\text{m}^3/\text{h}$  independent of discharge pressure or the DS content of the product. Differential pressures of upto 48 bar (and higher in special cases) are available.

## Gentle, precise and trouble-free

Handling sensitive products often requires a pump with specific characteristics incorporating low shear rates, accurate metering/flow together with minimum pulsation. seepex progressive cavity pumps incorporate all these qualities. Additionally they have no check valves to clog and the cavities within the pump progress from the suction to the discharge without changing their shape.

## High suction lift capabilities

Typical for seepex: Excellent self priming characteristics, even on gaseous liquids are possible to 9m, 27ft. with reliable operation.

## Versatile

Integration of a seepex progressive cavity pump into a customer's facility is easily accomplished, as they can be installed horizontally, vertically or in almost any position. Pump flow is reversible with shaft rotation. Versatility can be further extended by fitting various options of open hoppers and feeding arrangements to assist non flowable products into the pumping elements the rotor/stator.

## Economical

Typically the initial purchase price of a pump is approx. 5–10% of the total cost of ownership, with this in mind; it is more beneficial to look at the whole picture, the whole life cycle costs of a pump. seepex guarantees state of the art products, the highest quality of all components, optimised design and manufacturing capabilities to increase efficiencies resulting in a long pump life time and low operating costs.

# Progressive cavity pumps in particular.

seepex progressive cavity pumps have been used very successfully and are proven for the most difficult conveying duties. The modular design consisting of 8 product groups and 27 ranges enables the most economical and technical

solution to be selected for each application. It's no surprise that our pumps are indispensable in many industrial areas.

Product group/Progressive cavity pumps	>	N	CS	T	D	E	W
<b>Environmental Technology</b>							
domestic waste water treatment		•		•	•	•	•
industrial waste water treatment		•		•	•	•	•
floculant metering		•			•	•	
sludge dewatering		•		•			•
chemical dosing		•			•	•	
flue gas desulfuration		•		•			•
oil-water-separation		•			•	•	•
<b>Utilities/Disposal</b>							
fresh-water conditioning		•		•	•		•
transport of landfill drainagewater		•			•	•	•
chemical dosing		•			•	•	
<b>Galvanic</b>							
chemical dosing		•			•	•	
disposal of processwaste		•		•	•	•	•
<b>Food/Beverage Industry</b>							
dairy		•		•		•	
processed fruit and beverages		•	•	•	•	•	•
wine production		•	•	•			•
processed vegetables and meat		•	•	•	•	•	•
breweries		•	•	•	•	•	•
<b>Pharmaceutical/Cosmetic Industry</b>							
dryer feeding		•					•
metering of additives		•	•	•	•	•	
filling of endproducts		•	•	•	•	•	•
<b>Fish Industry</b>							
fish meal production		•		•			•
fish processing		•	•	•	•	•	•
fish feeding		•		•		•	•
fish transportation		•		•		•	•
<b>Petrochemical/Oil Production/Offshore</b>							
bilge-pumping		•				•	•
oil-water-separation		•					•
transportation of waste water and excrements		•			•	•	•
drilling mud treatment		•		•	•	•	•
drainage and fire fighting		•		•		•	•
production of chemicals		•		•	•	•	•
<b>Mining</b>							
auxiliary dewatering stations		•				•	•
sump dewatering		•		•		•	•
dedusting		•					•
floculant metering		•				•	
pressure filter feeding		•					•
back filling and grout		•		•			•
<b>Paper and Cellulose Industry</b>							
stock preparation		•		•	•	•	•
paper/cardboard production		•		•		•	•
coating processing		•			•		•
adhesive and pigment processing		•			•		•
coater feed		•					•
metering of chemicals		•			•		
waste water treatment		•		•	•	•	•



Product group/Progressive cavity pumps	>	N	CS	T	D	E	W
<b>Dyeing Industry</b>							
metering and filling of colors		•	•	•	•	•	
component metering		•	•		•	•	
latex foaming		•	•		•		•
waste water treatment		•		•	•	•	•
<b>Ships</b>							
bilgewater handling		•				•	•
oil-water separation		•			•	•	•
liquid-mud transport		•					•
waste disposal		•		•		•	•
<b>Textile Industry</b>							
dye metering		•	•	•	•	•	
transport of printing ink		•			•	•	•
feeding of Latex coaters		•			•	•	•
<b>Automotive/Equipment</b>							
dewaxing		•			•	•	•
mobile dewatering		•		•	•		•
transport of sealing compounds and protective coatings		•		•	•	•	•
waste oil disposal		•		•	•	•	•
paint and enamel processing		•			•	•	•
<b>Building Industry</b>							
plaster and gypsum		•		•			•
concrete coloring		•			•	•	•
tunnel grout		•		•			•
waste water/sludge treatment		•			•	•	•
dewatering		•				•	•
<b>Wood Processing</b>							
production of partial boards and MDF boards		•			•	•	•
lime metering		•			•	•	
metering of additives		•			•	•	
<b>Chemical/Biochemical Industry</b>							
polymer production		•	•	•	•	•	•
metering of additives		•	•	•	•	•	
processing of reaction agents		•	•	•	•	•	•
dispersion handling		•	•	•	•	•	•
<b>Sugar Industry</b>							
processing of sugar cane and beets		•		•		•	•
diffusion, saturation, thickening		•		•		•	•
crystalization		•		•			•
centrate		•		•			•
waste water treatment		•		•	•	•	•
<b>Ceramic Industry</b>							
handling of suspensions		•		•			•
metering of additives		•			•		
<b>Agriculture</b>							
feeding plants		•		•	•	•	•
liquid manure transportation		•				•	•
bio gas plant		•		•	•	•	•
irrigation systems		•					•

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