

seepex.com

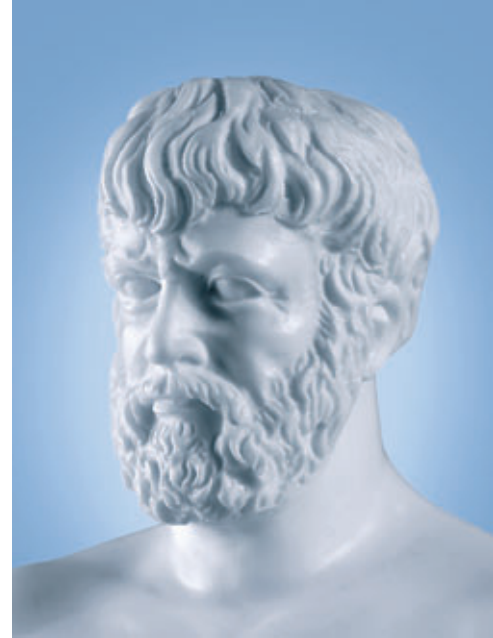
All things flow.

Our understanding of Heraclitus.

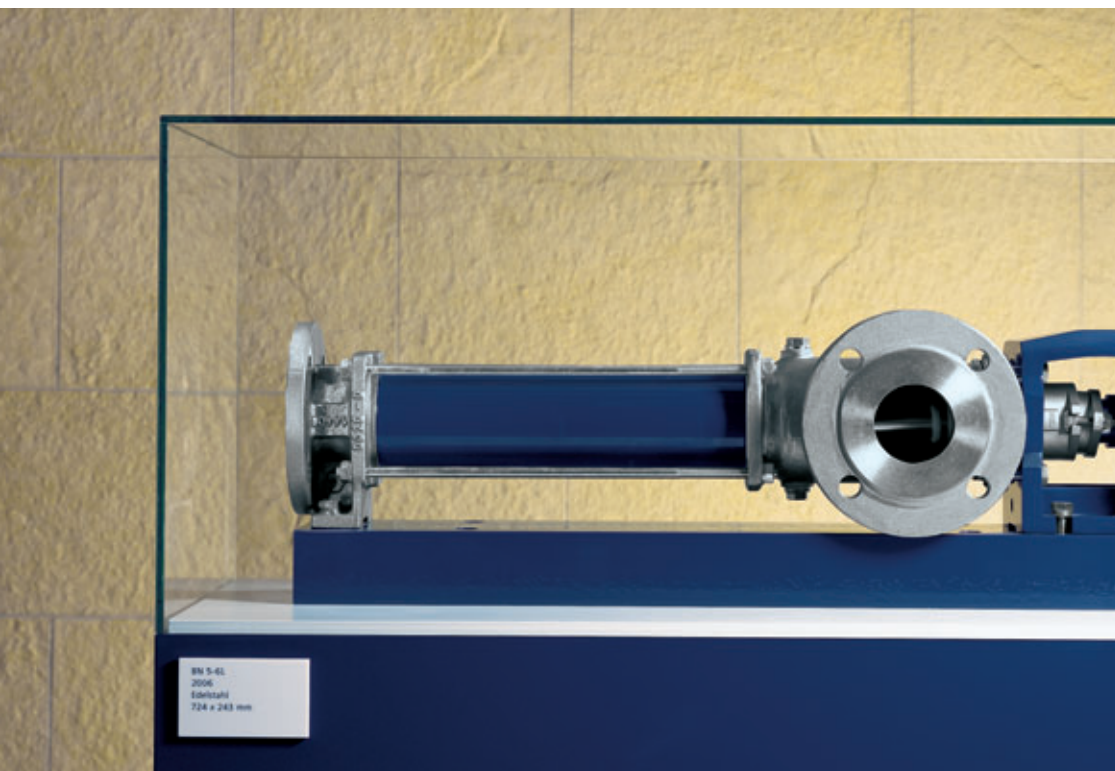
Both the way of life and thoughts of Heraclitus of Ephesus, the Greek philosopher who lived between 550 and 480 B.C., were radically new. He believed that movement is the driving force behind all development, and he reinforced this basic principle: "Nobody can step into the same river twice, because everything flows and nothing stands still". In short, and in an international vein: all things flow.

However simple that message sounds, for seepex it is manifestly apt and indicative of future trends. On the one hand it accurately describes what we aim to achieve with our products, which is to solve all demands of conveying liquids. On the other hand the notion that all things flow symbolises progress. And we are moving forward.

The discovery and development of technically innovative products, the further optimisation of our range of services as well as the opening up of new market segments and areas of application are the milestones we aim to achieve. It is easy to see why Mr. Heraclitus with his wisdom and foresight is a kind of honorary chairman to us.



Heraclitus of Ephesus, called "The Obscure One", was in fact extremely clear sighted. He knew what seepex proves on a daily basis: all things flow.



Here you can see one of the most highly rated works of pump art ever, the BN 5-6L. Incomparably compact, versatile and easy to maintain.

The art of building pumps in the third millennium.

Our customers continually present us with the most diverse and demanding fluids handling tasks. We have turned this into an art: developing customized solutions for individual problems.

Our departments include basic research, product development and product planning. Before developing a new pump we undertake detailed examinations and assessments of conveying product and application, as well as their effects on pump materials and constructions. seepex pump innovations are thoroughly tested and inspected in our research and development areas before actually being put into operation.

Thanks to this competence with new ideas and construction, seepex gets the most unusual contracts. A customer in England wanted to know whether we could build a novel pump to convey sewage sludge, a pump designed to convey immense quantities under extremely high pressure. We could.

30 employees from various functional areas worked together on its development and construction. Special testing facilities were established to run pump tests using 250 kW (340 hp). The rotor, which is the heart of this gigantic pump, was constructed from one piece of steel. The stator surrounding the rotor is not a single component as would normally be the case, but consists of two flexible parts.

A pump was finally built that was approximately 11 m long, 1.3 m wide and just under 7 tons. And to get an idea of its performance capability: the amount conveyed hourly and the pressure are equal to 1,200 bath tubs full of waste water being pumped at a height of 260 m. This makes it one of the largest progressive cavity pumps in the world. Or do you know a larger one?

The secret behind the small MD and the large N.

The secret of our pumps is that each is different. All rotary positive-displacement pumps have a characteristic feature: the particular arrangement and design of the two conveying elements (the stator and rotor). But in other respects the principle of individuality applies. Each pump is customised to comply with the uniqueness of an industrial sector, a branch, a special business, location and of course the conveying substance. After all, an activated carbon suspension flows differently than soap.

Our pump modular system consists of a total of 8 product groups and 27 ranges, handling quantities from 0.1 l/h to approx. 500 m³/h and differential pressures of up to 48 bar. There is a seepex solution for the most extreme conveying requirements: whether highly viscous or very small quantities need transporting, or the conveying process demands the highest levels of hygiene, or the quick emptying of full barrels or the maceration of solid materials such as glass and wood.

Notable examples are the smallest and largest seepex pumps ever installed. Our MD 0005-24 is just 620 mm in length, 200 mm wide and 160 mm in height. In contrast our largest model is also one of the biggest progressive cavity pumps in use worldwide. seepex pumps can be found in many environmental utility companies, in the food, beverage, chemical and paper industries, oil and gas production as well as in further industries from farming to sugar. And they pump. And pump. And pump.



The secret of seepex pumps:
product groups come in all sizes and types:
N (2 product ranges of normal pumps);
T (9 product ranges of open hopper pumps);
D (6 product ranges of dosing pumps);
CS (3 product ranges of food pumps);
E (vertical pumps, 1 product range);
W (wobble pumps, 1 product range) as
well as macerators (M) which come in 2
product ranges and control systems (CO).

Long live the progressive cavity pump.

seepex pumps are constructed to solve problems over a long period. They function with a high degree of reliability on working days as well as on holidays, with minimum manpower.

The reason for this is the extensive services that encompass all phases of a pump's life and make an important contribution to minimising life cycle costs. These begin with our pre-sales service offering intensive guidance on technical questions pertinent to application, with planning, project development and the delivery of complete systems (pumps and control systems), help with the installation and commissioning of pumps (assembly check), to a comprehensive after-sales service package. Two elements of the package should be highlighted: firstly the 24 hour helpline which includes technical advice and the skilled maintenance by seepex technicians, and secondly ingenious planning in respect of spare parts with the fastest possible delivery of spare parts.

Our Internet presence warrants particular attention. Here you can find not only general information about our organisation, our products, areas of application, customers, markets and employees; you can also discover important facts about pumping elements, geometries and design features. Or you can study well-presented case studies from companies who use seepex pumps. You can also participate directly by requesting documents such as operating instructions or CAD files for your pump including, of course, spare parts. Last but not least we are happy to help you with the choice of the pump that is just right for you, using the interactive Product Selector.

Further innovative services are to be introduced shortly.

All of our services have one objective: to give seepex pumps a long, trouble-free life. What could be more satisfying to our customers and their production processes than to have pumps like ours with a lifespan that is far above average and life cycle costs that are far below average?





seepex speaks many languages. We have subsidiaries in Somerset (England), Croissy Beaubourg (France), Humlebaek (Denmark), Selangor Darul Ehsan (Malaysia), Tokyo (Japan) and Mumbai (India); we already manufacture in Enon (USA) and Shanghai (China).

Welcome, bienvenú, benvenuto,
bienvenido, willkommen, selamat datang, 欢迎
and willkommen to seepex.

Germany is too small, at least for an industrial enterprise like ours that is a market leader in its area of business. For this reason we are consistently internationalising seepex. We have built up a sales and service organisation aimed at branches and industries worldwide. Vegetables in China are produced differently from those in Germany and must accordingly be conveyed in a different way. Different pump safety norms apply in Finland than in Venezuela. Because hygiene standards in one country may be fundamentally different from those in another, you need inside knowledge of countries and branches in order to be able to offer the best products. More specifically, you can satisfy US American pump customers only if you keep stocks of components in the USA.

Today seepex is globally on site. Our worldwide network of sales and service partners already reaches across more than 50 countries. Agents, distributors and representatives are working for seepex in Italy, Hungary, Canada, Puerto Rico, Brunei, Kazakhstan, New Zealand, Taiwan, Iran, Kuwait, Egypt and South Africa.

And we are in the process of expanding this international network. Therefore when someone in Oceania requires a progressive cavity pump he can get it from us, together with installation, commissioning and after sales, even if seepex does not yet have a branch of its own there. No country should feel excluded from seepex expertise.

For our customers, all of this means efficiency through quick service for contract transactions and quick response in fulfilling special requests.

Conveying technology at the main works.

seepex, like many others, had small beginnings. Fritz Seeberger founded the company in 1972. The first seepex progressive cavity pump was manufactured using plenty of vigour and a small team of four employees. In 1978 the first piece of land (measuring 28,000 m²) was bought and the production hall and offices were built. In 1986 the production area was expanded, and in 1989 the first office building expansion took place. Two completely new buildings were erected in 2001, with 1,750 m² of production area and 900 m² for research and administration.

Over the years, seepex has grown continuously. Today, with its second generation of entrepreneurs and with a strong leadership team at home and abroad, the enterprise is stronger and busier than ever.

330 of the worldwide workforce of more than 520 work at our headquarters and nerve center in Bottrop, developing, manufacturing and selling progressive cavity pumps, mace-rators and control systems. This occurs primarily within the business management, information technology, materials management, production, engineering, sales and customer services divisions.

The areas of excellence in Bottrop are the state-of-the-art production facilities, laboratories for basic research, product development and planning, as well as information technology. Bottrop is the hub for all subsidiaries, branches and distributors.

Apart from building up long-term partnerships with our clients, we also attach particular importance to promoting the professional development of our staff, because their skills and capabilities are a major capital asset of seepex. We motivate our employees through specific, long-term incentives to stimulate their technological curiosity and improve process-driven thinking. Only those who can adopt an open minded approach to problem analysis can ultimately create innovative pump solutions with minimum life cycle costs.

This has enabled seepex to open itself up to all the continents from its base in Bottrop and establish itself as a leader in the pump engineering sector.



The conveying technology main works lies in the heart of Europe: in Bottrop. In 1978 the purchase of the first piece of land, in 1986 the expansion of the production area, in 1989 the expansion of the administrative building, in 2001 the creation of further production, research and administration areas, and in 2006 the expansion of the main works.

There are viscous, flowable and runny products, as well as non-flowable materials and even solid matter, such as melons. We convey everything: what does not flow naturally can be made to flow.



And what can we make flow for you?

Whichever conveying problem you may have – whether it concerns activated carbon suspension, additives for taste, adhesives, alum, aluminium chloride, animal feed, animal slaughter waste, antibiotic paste, applies, arabian gum, aromatic substances, baby carrots, baby food, beer, black currants, brewer's grains, biomasses, pears, blood corpuscles, butter, caramel, carrots, caustic soda, cheese, cheese enzymes, cherries, chicken legs, chocolate, cocoa butter, cocoa solids, coconut oil, colourings, creams, cream cheese, custard, defoaming emulsion, egg yolks, faeces, fats, fillers, filtrate water, fish waste, fish products, fruit juice, fruit juice concentrates, fruit pulp, fruit waste, fruit yoghurt, giblets, glazes, glue, gluten, glycerine, grain mash, grapes, grape sediment, hand cream, honey, hops extract, hydrochloric acid, ice cream, icing sugar, iron chloride, iron and aluminium salts, iron sulphate solution, jam, ketchup, kieselguhr, leachate from rubbish tips, lime milk, liquid manure,

liquorice, malt, marc, margarine, marzipan, mash, mashed carrot, mashed olive, mashed potato, materials to aid flocculation, mayonnaise, melons, milk, mixes of grains and water, molasses, must, mustard, nougat, nut paste, oil, olive oil, onions, paints, paper, pastry, pectin, petrol, phosphoric acid, plant extract, plant oils, polymer concentrate, potatoes, potato peelings, pulp mixes, quantities of fruit, quantities of meat, quark, raspberries, salad dressing, sausage, seasoning, shampoo, sludge of all kinds, whether calcium hydroxide, floatation, sewage, metal hydroxide, mineral or gypsum sludge, soap, sodium chloride, sodium hypochlorite, soft cheese, soya, soya protein, starch, suds, sugar, sugar cane, sulphuric acid, syrup, tobacco brew, tomato ketchup, tomato concentrate, tomato paste, tomato puree, tooth paste, vegetable waste, vitamins, waste, waste paper, waste paper pulp, wet grains, whey, wine lees, yeast or yoghurt – we have a solution. Or we will find one.

Why not let us know now what your conveying problem is?

seepex.com
all things flow

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

Or visit www.seepex.com

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