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### HIGH FLOW LINE

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### Specialists in pumping solutions for high flow rates

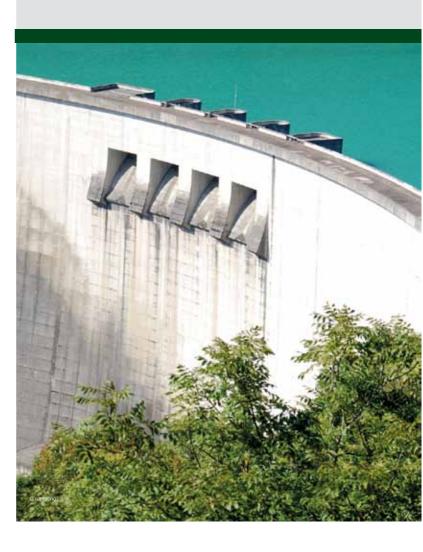
High Flow Line is the range of products and solutions designed for pumping water at high flow rates.

The products in this range have been totally designed, engineered and built to meet all professional pumping requirements and are available in a variety of versions allowing designers and users to optimize both performances and running costs. They are products designed to guarantee the highest levels of efficiency, long life and reliability.

#### The focus is on efficiency

High Flow Line offers the best solution and LCC - Life Cycle Cost for each project. Each system is unique. This is why the following criteria are applied right from the actual design stage:

- choice of the product most suited to the application
- best degree of efficiency obtainable
- reliability of the system so as to reduce the need for maintenance to the minimum
- long life by way of an investment guarantee.





# HIGH FLOW LINE











## Demanding design engineering and specialized production

Reliability and long life are guaranteed by the technologies applied and the materials used. Each pump is the result of a careful process whereby metals are selected for their intrinsic properties and for the application involved. Experience allows all the metallurgical characteristics required for the construction of such highly engineered machines to be carefully assessed. A vast range of configurations has been researched: alloyed cast iron, bronze and cupro-aluminium, duplex and super duplex AISI 316 stainless steel, carbon steel. Quality control is stringently performed throughout all the stages of the production cycle, from the time the components arrive through to shipment of the finished products. All the machines are subjected to the hydrostatic pressure test to make sure that they are perfectly tight.

### Technical and sales backup always available when needed

Each project begins with analysis and research into the best technical and cost solution and continues as highly specialized personnel install and monitor the systems, i.e. backup from the time the contract is drafted to final testing of the systems.

#### Services supplied with the product

Specialistic services are also offered along with High Flow Line:

- technical assistance when the products are installed
- laser alignment (units on a base)
- start-up and commissioning
- · testing on site
- vibration analysis
- · training for the personnel.



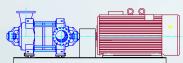


#### Multistage pumps

Version: horizontal and vertical Flow rate: from 200 to 1600 m³/h

Head: from 50 to 300 m





# Quality, reliability, long life: the advantages of know-how

High Flow Line is the result of almost 70 years of acknowledged know-how, extraordinary skills and experience in the development of water pumping systems for high flow rates.

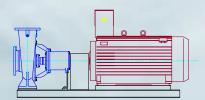
High Flow Line is based on an advanced construction that always achieves the best result. Each pump is not merely a product of technical and technological skill, but also of in-depth research into the operating conditions.

#### Single-stage pumps

Version: horizontal and vertical Flow rate: from 400 to 2000 m<sup>3</sup>/h

Head: from 30 to 120 m





#### Submersible pumps

Flow rate: from 900 to 2000 m<sup>3</sup>/h

Head: from 10 to 70 m

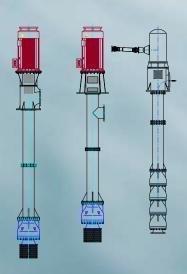
#### **Vertical lineshaft pumps**

Version: discharge above or below the installation level; assembly with angle transmission or electric motor

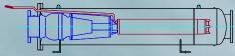
Flow rate: from 1000 to 18000 m<sup>3</sup>/h

Head: from 5 to 220 m











# High Flow Line has the best solution, whichever professional sector is involved

High Flow Line pumps are designed for applications of primary importance:

- water supply
- water distribution and supply
- · cooling of industrial systems
- · desalination systems
- irrigation/land reclamation
- drainage and flood protection
- fire-fighting systems
- power stations
- shipyards
- mining



Power generation



Water supply



Industry



Irrigation / Land reclamation



Sea water



Fish Farming



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