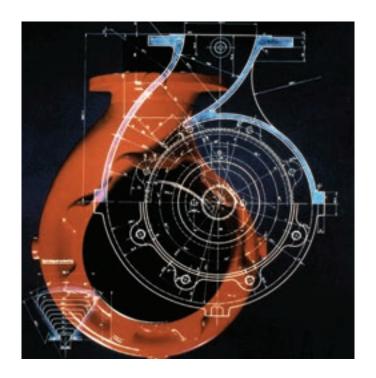
The "Leader" of Pumps for Industry & Nuclear







The technological and entrepreneurial heritage of a great pump engineer has been absorbed by a corporation who itself is closely connected to the history of pump production including the first pump manufacturing company in Italy. Dr. ing. h.c. Karl Rütschi, inventor of the PERFECTA® canned motor pump, the origin of todays heating system circulators. Millions have been sold around the world as it has continuously developed to also be used in high-tech applications within the chemical, petrochemical and nuclear industries.

Today this historical heritage combines with the advanced technology, quality, and production resources of Gruppo Aturia keeping our focus, as always, trained on the customer.

1111

Dott. Alessandro Reni President Gruppe Rütschi & Gruppo Aturia



1946



Rütschi invents the "Perfecta $^{\circledR}$ ": the canned motor pump used in industrial heating systems. Although Rütschi was focused on activities within the Swiss construction market, the Perfecta was marketed around the world through licensing agreements. A total of 21 licensing agreements were issued to the most prominent pump manufacturers to be used in heating circuits around the globe.

The success of the Perfecta[®] allows for the dedicated development of many new hydraulic systems as a basis for additional industrial applications.

The development of the Perfecta[®] using special materials allows for expansion from the construction into the chemical market of both Switzerland and Germany.

1970



Rütschi develops the "Chemieperfecta" - the canned motor pump specifically designed for chemical applications - and quickly gains experience in many different areas of the chemical industry. Canned motor pumps are introduced in applications within the nuclear industry. Rütschi establishes a new company "Pompes Rutschi" in Mulhouse, France to be at the heart of the most advanced nuclear development centers (FRAMATONE-AREVA) in Europe. Rütschi continues to strenghten its presence in water-pumping technology, the chemical industry, as well as other important international projects. Dr. ing. h.c. Karl Rütschi steps down from the operational leadership of the Rütschi company.

2006



Gruppo Aturia

Rütschi, the pioneer of canned motor pumps, made up of the two companies Rütschi Fluid AG in Brugg, Switzerland and Pompes Rutschi SAS in Mulhouse, France is acquired by Gruppo Aturia, headquartered in Gessate, Italy.

Rotos Marelli AUDOLI & ARIS CHIAPPA

The acquisition by Aturia SpA adds competence and experience in the technologically demanding areas of chemical, petrochemical, nuclear und conventional power thus expanding its own prominent tradition in water pump technology.

2012



Gruppe Rütschi and Gruppo Aturia continue the process of development and integration through key investments.

The orientation of our activities internationally and development of worldwide partnerships increase the added value for our customers.



RÜTSCHI FLUID AG

Brugg (Schweiz): 5.000 m²

RÜTSCHI FLUID AG's head office RÜTSCHI's production site for process pumps and Sealless/Canned pumps.

Retailer for GRUPPO ATURIA's pumps in Switzerland, Germany, Austria.



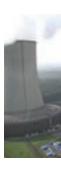
POMPES RUTSCHI SAS

Mulhouse (Frankreich): 2.000 m² POMPES RUTSCHI SAS' head office RÜTSCHI's production site for process pumps and vertical pumps for lubrication systems. Retailer for GRUPPO ATURIA's pumps in France.













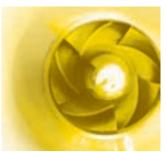
A "Leader" of Pumps for Industry & Nuclear





SURFACE





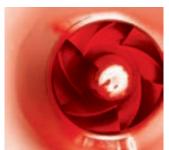
PROCESS





NUCLEAR



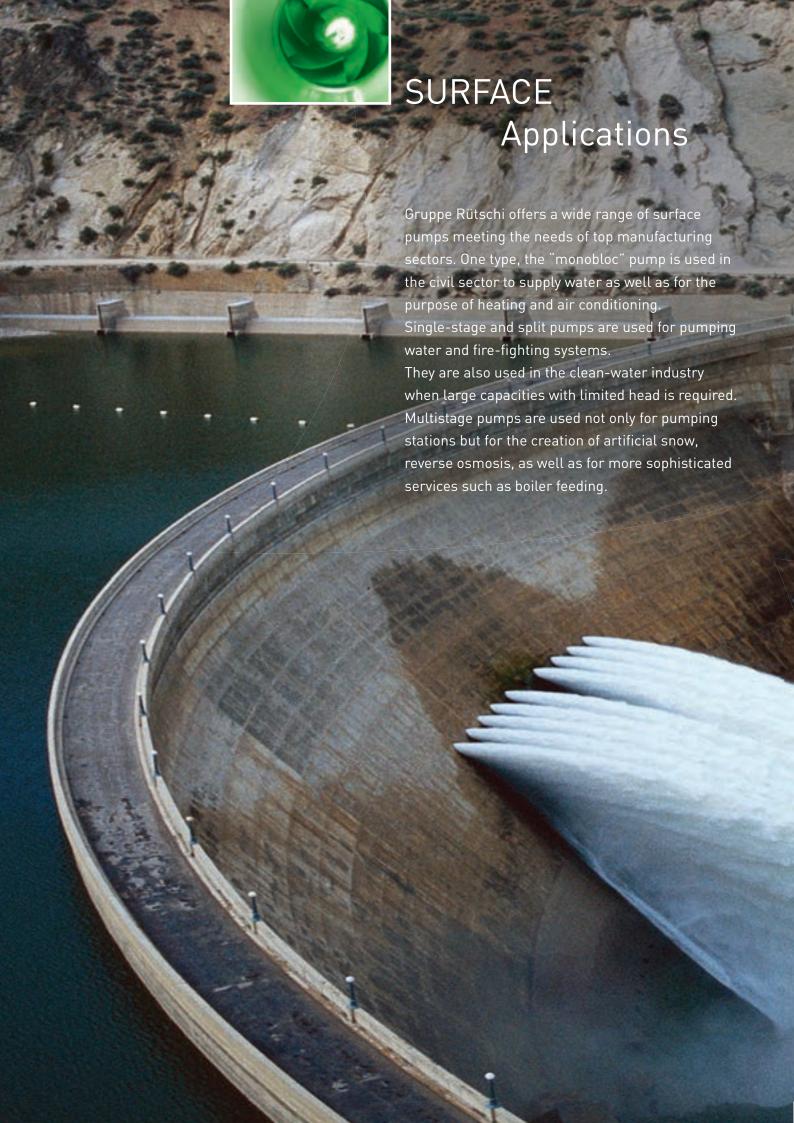


FIRE FIGHTING





SUBMERSIBLE







PROCESS Applications

Gruppe Rütschi builds on its extensive experience in the field of process pumps for the petrochemical, chemical, as well as general industry. We design, manufacture and deliver pumps which are renowned for reliability and quality. As pioneer of the sealless canned motor pumps Rütschi offer highest safety in all applications where dangerous, toxic or flammable chemical products are pumped. Seal-less magnetic driven pumps seamlessly integrate into the concept of 'no leakage' and extend therefore the product portfolio available to Rütschi customers. These pumps are also available as API 685 execution and with ATEX conformity.

Traditional process pumps with mechanical seals according to API 610, ISO 2858 or ISO 5199 are available for varied applications in many different executions. Gruppe Rütschi offers a wide range of products adaptable to the specific requirements of today's challenging applications like: solar, molten salt, geothermic, osmosis, desalination, cryogenic, etc.

CANNED MOTOR PUMP, VERTICAL AND HORIZONTAL CANNED MOTOR PUMP, ENGINEERED PUMPS

	Size [DN], In-Line	3-100	10-200	
į	Size [DN], horizontal	150 -	- 340	
	Capacity [m³/h]	up to 500		
ĺ	Head [m]	up to 300		
ì	Max. Pressure [bar]	25		
١	Power [kW]	up to 135		
		100		

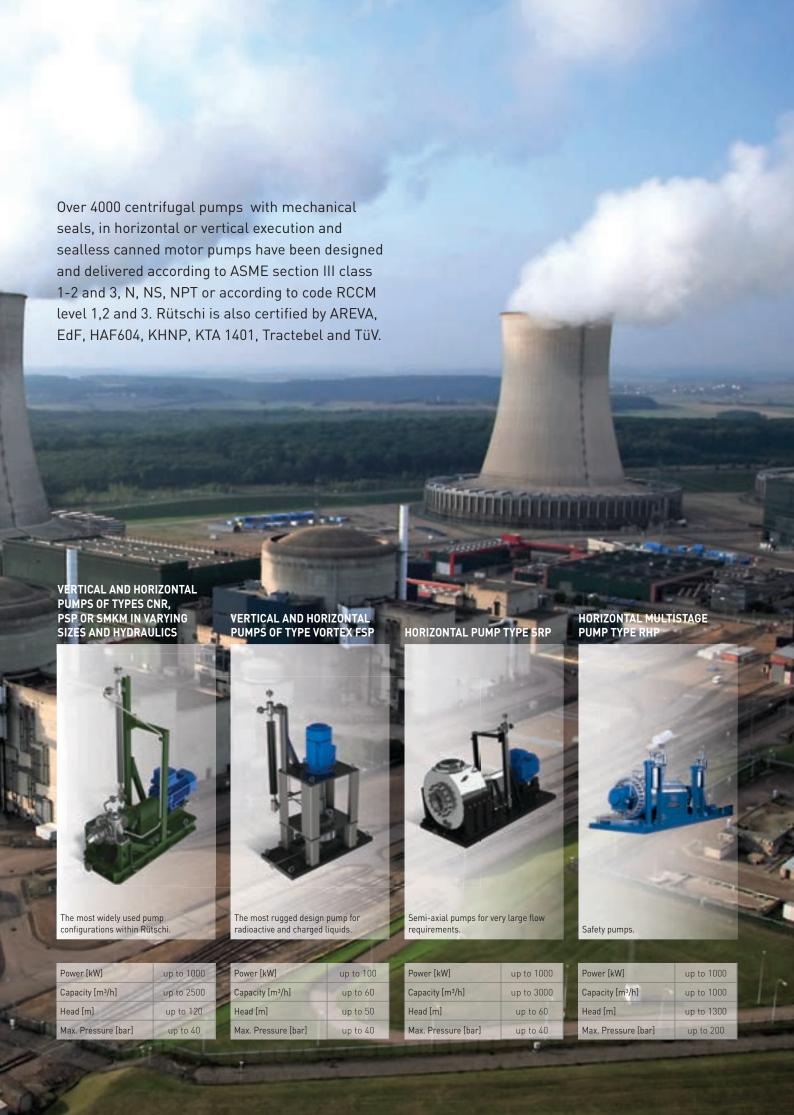
Different requirements [material, temperature, pressure]
Capacity [m³/h] up to 500
Head [m] up to 300
Max. Pressure [bar] up to 650
Max. Temper. [°C] -100 / 450





NUCLEAR Applications







Gruppe Rütschi in collaboration with Gruppo Aturia can supply an extensive range of centrifugal pumps for fire-fighting services, both with a vertical and a horizontal design.

Audoli & Bertola is the only pump manufacturer in Europe that was given Factory Mutual's approval for:

- Vertical Pumps: from 500 GPM to 4000 GPM, at 50 and at 60 Hz.
- Split Case Pumps: from 750 GPM to 2000 GPM, at 50 and at 60 Hz.

PUMPING SYSTEMS VERTICAL PUMPS



PUMPING SYSTEMS SPLIT CASE PUMPS

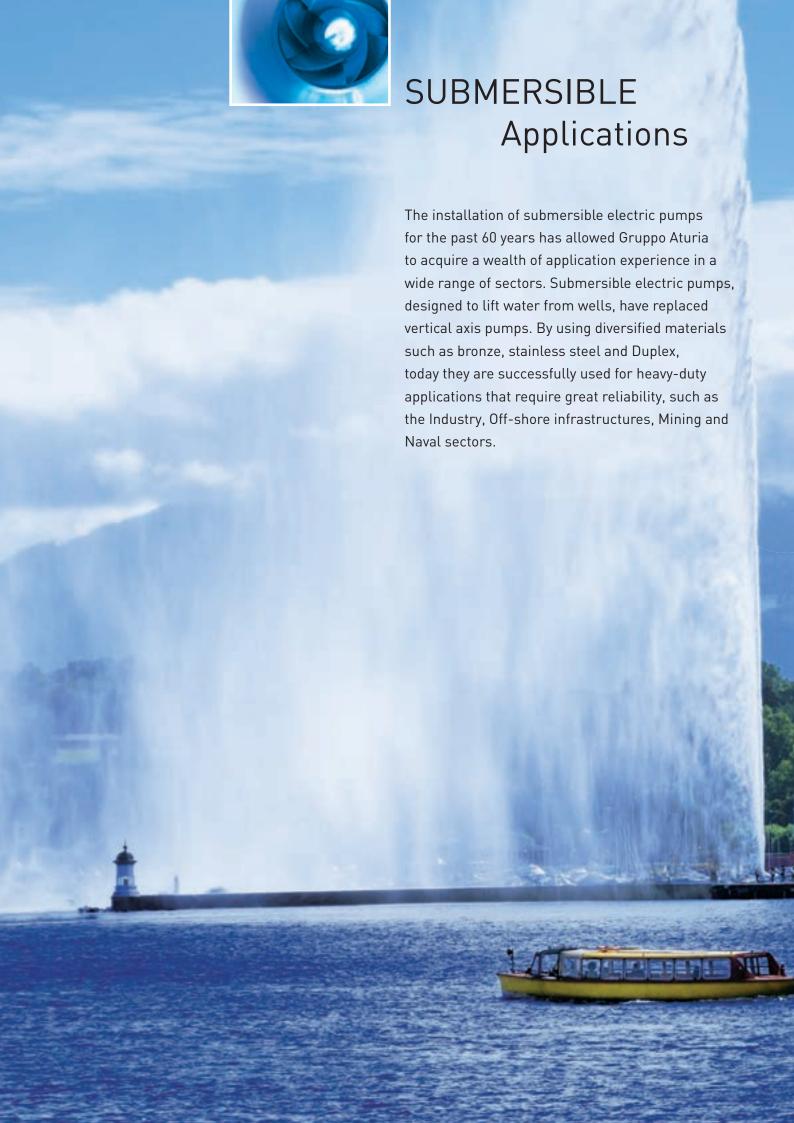




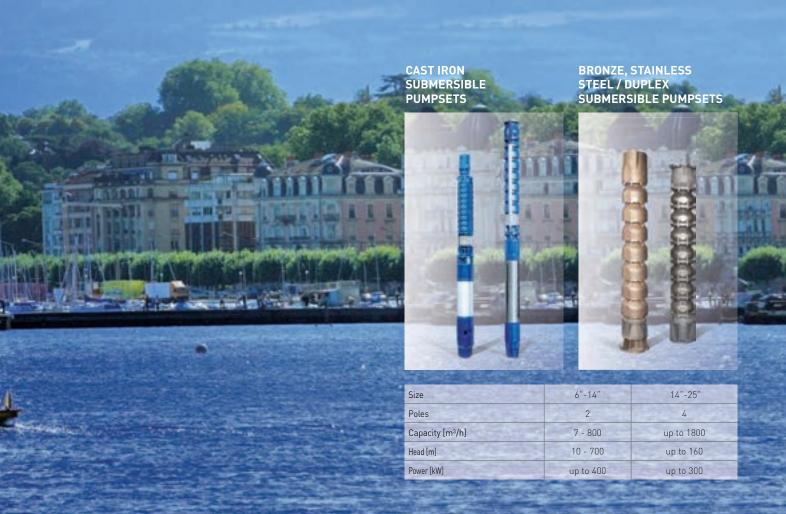






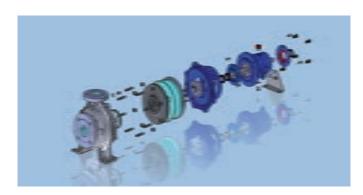


Using pumps submersed in special vertical or horizontal cylindrical tanks allows systems to be designed with increased pressure by reducing space and operating noise compared with traditional solutions. With more than five hundred types of electrical pumps, we are able to offer a wide capacity and head range giving customers hydraulic features with the best performance. In recent years Aturia introduced a range of submersible motors suitable for hot water by adopting new design solutions.





An integrated and flexible cycle: from design to shipment



Thanks to integrated design systems, 3D models and FEM, Gruppe Rütschi and Gruppo Aturia offer products in line with state of the art technology.

The product life-cycle starts at the design stage where, thanks to our many years of experience and a database with over a thousand hydraulic systems, Gruppe Rütschi and Gruppo Aturia are able to develop pumps for special fluids with power values that reach 1000 kW, pressure values up to 150 bar and temperatures up to 500°C.



Gruppo Aturia is divided into five specialised Units:

- Brugg (Switzerland): Development and manufacturing of sealless canned motor special pumps as well as
- Mulhouse (France): Development and manufacturing of nuclear and lube oil pumps
- Gessate (Italy): Development and manufacturing of pumps for the water sector and petrochemical applications
- Taglio di Po (Italy): Development and manufacturing of magnetic driven sealless pumps
- S. Mauro Torinese (Italy): Development and manufacturing of pumps and systems for fire fighting applications
 The integration of these production units allows the optimization of all supply chain processes.



The various steps of the industrial process take place in just one Production Unit (Gessate). This helps the company's various departments work together. We recently achieved the important objective of fitting each Unit with a modern Testing Room. In our plants in Gessate and S. Mauro Torinese we can test pumps with powers up to 650 kW, capacities up to 8000 m3/h and pressure values up to 120 bar. Our plant in Taglio di Po, Brugg and Mulhouse have been designed for sealless pumps intended for applications in the chemical sector. Along with periodic tests on the performance of standard products, the Testing Room also conducts tests in front of customers or certifying bodies.



To adequately meet the needs of our customers, Gruppe Rütschi and Gruppo Aturia invest considerable financial resources in the management of their combined inventories.

Thanks to rapid assembly and a vast availability of components we can ensure prompt delivery of standard products. Painting and packing are carried out accurately in accordance with specifications and transport conditions.

Certified Quality System Quality Control

The involvement and dedication of Gruppe Rütschi and Gruppo Aturia for the continual improvement of quality has been confirmed by internationally renowned quality auditing companies and their continuous review.

The quality of the product is guaranteed by the "Total Control" of all its components. The pumps' performance is checked in the Testing Room. Gruppe Rütschi and Gruppo Aturia have set up a metrological lab to test parts with a coordinate-measuring machine and traditional instruments calibrated with latest-generation software.

The wide range of NC machines allows operators to

easily achieve the precision requested to process the components.

The online management of project and design specifications ensures the latest updated information is readily available. The IT management system and the collection of processing data also allows traceability of products at every stage of the process.

Gruppe Rütschi and Gruppo Aturia invest in qualified human resources and ensure their staff's proficiency through continual training programs. Operators are trained to manage machinery and drawings and inspect components, autonomously and safely.





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