



AURUM PUMPEN GMBH
HABERMANN PUMPEN



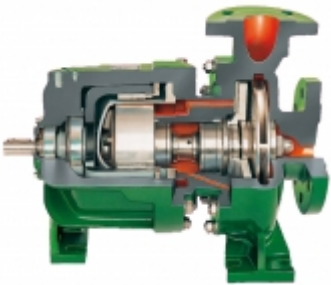
AURUM PUMPEN PRODUCT RANGE

Model	Range	Application	Image
Multi-Stage	Head (meters):1800 Capacity (m ³ per hour):2160	<ul style="list-style-type: none"> • Water supply • Fire-fighting stations • Snow-making machines • Irrigation • Mine drainage systems 	
Self Priming	Capacities: from 10 to 1200 m ³ /h Heads: from 10 to 50 m	<ul style="list-style-type: none"> • Emptying tanks, ponds, wells, trenches, shafts • Irrigation and drainage • Fresh water and Sea water by-pass 	
Bare shaft	Head (meters):up to 250 Capacity (m ³ per hour):up to 33,000	<ul style="list-style-type: none"> • Heating and cooling systems • Industrial process waters • Fire-fighting • Drinking, irrigation and sea water applications 	
Monobloc	Head (meters):up to 85 Capacity (m ³ per hour):up to 216	<ul style="list-style-type: none"> • Water circulation systems • Booster stations • Irrigation systems 	
Double Suction Split Case Pumps	Head (meters):up to 200 Capacity (m ³ per hour):up to 17000	<ul style="list-style-type: none"> • Water supply • Cooling • Conditioning • Shipbuilding • Irrigation • Sewage • Water treatment • Fire-Fighting • Flood prevention 	
Piston Pumps	Capacity - up to 2 363 l/min Maximum pressure - up to 3500 bar	<ul style="list-style-type: none"> • Water jet cutting, • Surface cleaning, • Machines hydraulic drive, • Hydraulic descaling, • Technological liquids supply in petrochemical and mining industries. 	

IRAN REPRESENTATIVE TADBIR ENRGY OMID

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<p>Membrane Pumps</p>	<p>Capacity - up to 500 l/min Suction height - up to 8 m Head - up to 70 m</p>	<p>The pumps can handle clean liquids with low viscosity as well as viscous abrasive liquids with large solids.</p>	
<p>Screw Pumps</p>	<p>Capacity - up to 250 m3/h Maximum pressure - up to 24 bar</p>	<p>Single- or multi-screw pumps are designed for pumping viscous liquids including multiphase liquids with gaseous and vapor impurities.</p>	
<p>Gear Pumps</p>	<p>Capacity - up to 360 m3/h Pressure - up to 16 bar Medium temperature: from -60 °C up to + 300 °C</p>	<p>The pumps are applied in chemical and food industries for pumping: paints, solvents, alcohols, varnishes and glues, oil products and paraffin, detergents, synthetic resin, formalin, chocolate mass, cacao beans butter, fats, molasses, and various emulsions.</p>	
<p>Multi-Stage</p>	<p>Maximum pressure - up to 64 bar Operating temperature - up to 200 °C Additional Info Capacity (m³ per hour):2160 Head (meters):1800</p>	<p>High pressure pumps are applied for aggressive liquids without abrasive impurities</p>	
<p>API 610 / ISO 13709</p>	<p>Technical Details: Operating temperature - up to 450 °C Maximum pressure - up to 250 bar Additional Info Capacity (m³ per hour):10500 Head (meters):2600</p>	<p>Designed for the petrol, petrochemical and gas industries, these pumps are manufactured in accordance with the API 610/ISO 13709 standard. Our wide range of pumps ensures the effective pumping of the various types of liquid that appear in these industries.</p> <ul style="list-style-type: none"> • Acids, • Alkalis, • All petroleum products, • Liquid sulphur, • Viscous polymers, • Bitumen, etc. 	
<p>Metal</p>	<p>Technical Details: Operating temperature - up to 400 °C Maximum pressure - up to 70 bar Additional Info Capacity (m³ per hour):up to 800 Head (meters):up to 225</p>	<p>Pumped media:</p> <ul style="list-style-type: none"> • Acids, • Alkalis, • Hydrocarbons, • Hot oil, • Coolants, • Solvents, • Cooling liquids, • Condensates, • Hot water, etc. 	

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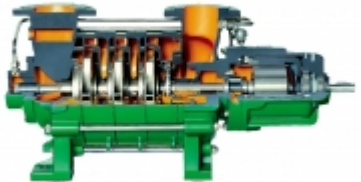

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<p>Polymer</p>	<p>Technical Details: Application range - up to 165 °C, Maximum pressure - up to 16 bar</p> <p>Additional Info Capacity (m³ per hour):2000 Head (meters):110</p>		
<p>Multi-Stage</p>	<p>Additional Info Capacity (m³ per hour):up to 180 Head (meters):up to 250</p>	<ul style="list-style-type: none"> • Flushing • Fire-fighting • Irrigation • Water supply • Cooling 	
<p>Sump & Cantilever</p>	<p>Capacity (m³ per hour):up to 700 Head (meters):up to 140</p>	<p>Aggressive and/or hot liquids</p>	
<p>Turbine</p>	<p>Capacity (m³ per hour):up to 15000 Head (meters):up to 250</p>	<p>Heavy industries cooling Irrigation and flood control Water supply Desalination Fire-extinguishing Ballast water, marine applications Hydro-electric power stations</p>	
<p>In-Line</p>	<p>Capacity (m³ per hour):up to 3500 Head (meters):up to 150</p>	<ul style="list-style-type: none"> • Water supplies • Wastewater treatment plants • Fire-fighting systems • Process Waters • Condensates 	
<p>Borehole</p>	<p>Capacity (m³ per hour):up to 1260 Head (meters):up to 850</p>	<ul style="list-style-type: none"> • Water lifting • Well systems 	
<p>Sump Pumps</p>	<p>Technical characteristics: Operating temperature - up to 160 °C</p> <p>Additional Info Capacity (m³ per hour):up to 950 Head (meters):up to 150</p>		

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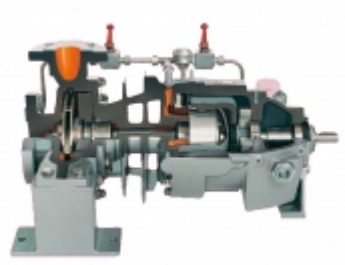


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<p>Polymer</p>	<p>Technical characteristics: Submersion depth - up to 8.5 m</p> <p>Maximum temperature - up to 115 °C</p> <p>Additional Info Capacity (m³ per hour): up to 800 Head (meters): up to 100</p>	<p>Designed for pumping aggressive, corrosive liquids or those containing solids from tanks, storages and pits. The pump can be installed near the storage.</p>	
<p>Axial Flow</p>	<p>Additional Info Capacity (m³ per hour): 15,000 Head (meters): 225</p>	<p>Pumped Medium Fresh and sea water</p> <p>Applications:</p> <ul style="list-style-type: none"> • Industrial cooling systems • Power stations • Water supply • Desalination • Fire-fighting • Ballast and bilge pumps in shipbuilding • Irrigation and drainage • Flood control 	
<p>Side-Channel</p>	<p>Technical characteristics: Operating temperature - up to 240 °C</p> <p>Additional Info Capacity (m³ per hour): up to 32 Head (meters): up to 400</p>	<p>Pumped media:</p> <ul style="list-style-type: none"> • Chemical, • Toxic and explosive liquids. 	
<p>Multi-Stage</p>	<p>Technical characteristics: Operating temperature - up to 250 °C</p> <p>Additional Info Capacity (m³ per hour): up to 230 Head (meters): up to 300</p>	<p>Mainly these pumps are applied in chemical, petrochemical and related industries. The pumps are used in oil tank farms, for offloading and loading of storage tanks, for operation with liquefied gases and other applications where priming of suction pipeline is required.</p>	
<p>API 685</p>	<p>Technical characteristics: Operating temperature - up to 250 °C</p> <p>Additional Info Capacity (m³ per hour): up to 900 Head (meters): up to 150</p>	<p>Magnetic coupled pumps that comply with API 685 and are designed for heavy duty applications. The pumps design and manufacture ensure an average operating life of up to 20 years, trouble-free uninterrupted operation for 3 years.</p> <p>Pumps of this series are applied for operation with various types of liquids including aggressive, toxic and explosive liquids.</p>	

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High Temperature	<p>Technical characteristics: Operating temperature - up to 400 °C</p> <p>Additional Info Capacity (m³ per hour): up to 800 Head (meters): up to 150</p>	The pumps of this series are sealless and are applied for pumping hot petroleum products Capacity and flange dimensions conform to EN 22858 (ISO 2858).	
Polymer	<p>Technical characteristics: Application range - up to 165 °C</p> <p>Additional Info Capacity (m³ per hour): up to 150 Head (meters): up to 80</p>	Manufactured for pumping aggressive, corrosive, toxic liquids as well as those containing solids.	
Metal	<p>Technical characteristics: Operating temperature - up to 400 °C</p>	The pumps design ensures an average operating life up to 20 years, trouble-free uninterrupted operation for 3 years. Pumped media: aggressive, toxic, explosive liquids and hot petroleum products.	

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