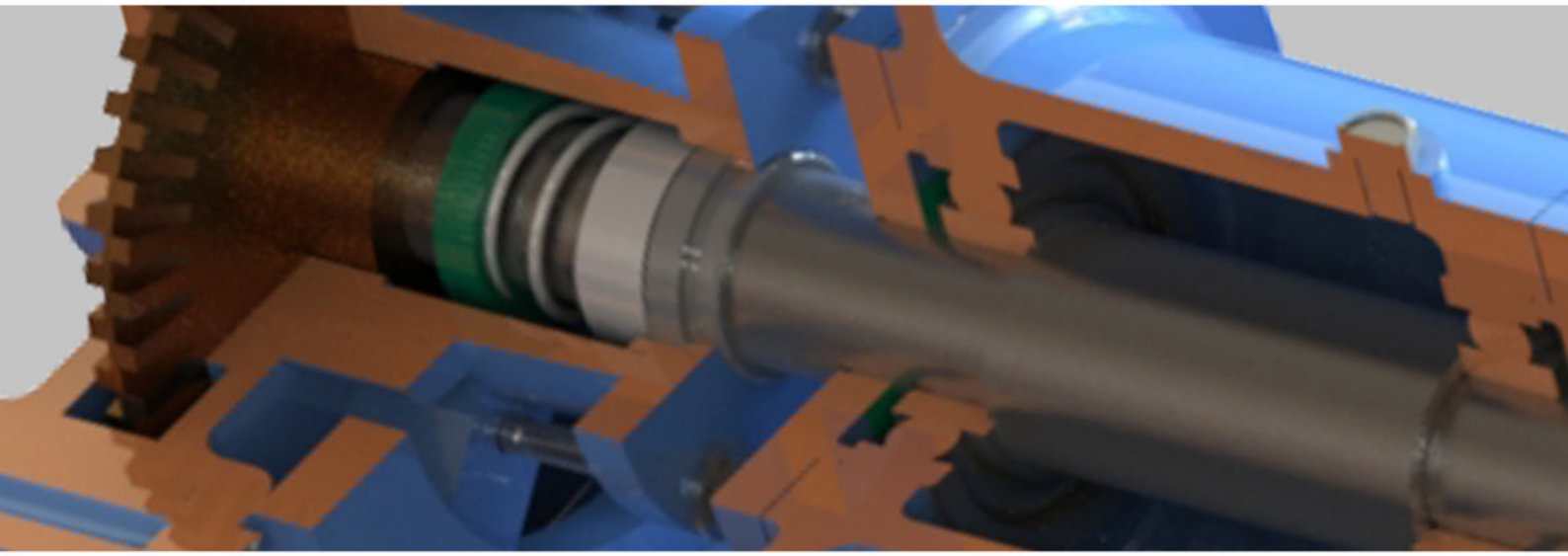
VESTAPOMP

Makes life comfortable



Regenerative Pumps

About Us

We have been designing and producing various models of pumps to be used in different fields of industry. Experienced in product selection and production, our staff renders the services which meet the requirements of the industrial enterprises with after sales support and services which maintain our long term business relationships.

Since various fluids used in many sectors present different properties such as durability, viscosity, radiance, temperature, pressure, grains, contamination, abrasion, we have designed customized pumps according to each fluid/viscose type and developed and diversified our product range in line with your requests and requirements. We produce Diaphragm Pumps, Hot Oil Pumps, Gear Pumps, Twin Screw Pumps, Centrifugal Pumps, Vortex Pumps. The pumps we produce with our long years of experience are used in food, textile, paint, cleaning, energy, chemistry sectors.

Our company is a pioneer in the production of diaphragm transfer pumps with VESTAPOMP brand. VESTAPOMP products are used in European Union and Middle East countries and CIS countries, and the number of countries that choose us is also increasing year by year. Whereas, this is our quality certificate and one of the most significant factors which also makes us strong, reliable and energetic in the sector.

You may consult us regarding your new pump purchases in order to contribute your company's production quality or request our assistance and support in providing maintenance and increasing efficiency of your pumps. In order for you to safely transfer your fluids through high quality pumps, we are always by your side with our competent and experienced staff.

Our aim is to provide quality products and services to our customers.

How Does Regenerative Pumps Work

The main difference between regenerative pumps and hydro extractor pumps is that the fluid passes through a closed propeller in hydro extractor pumps but in the regenerative pumps, the fluid moves by passing through the cogs that are located in both surfaces of the propeller.

The propeller balances itself by generating equal pressure in both gaps while working within the the steps, thus, the load that comes to the engine bearings can be balanced hydrolically.

Looked at the diagram carefully, the wings of the propeller move within the flow range of the water pass.

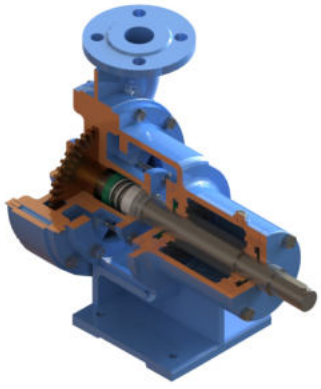
When the fluid comes within the pump, the propeller applies centrifugal force and acquires the pressure by moving the fluid within each of the wings.

Therefore, when operating, the pump originates an orderly flow speed.

In order to prevent the the loss of efficiency, fine gaps are needed in the steps and in the propeller that operates in the steps.

Advantages

. Pumps that can work alike in both ways
. Self Priming
. Positive deplacement
. Flow change is less in relation to the pressure
. Extensive working space

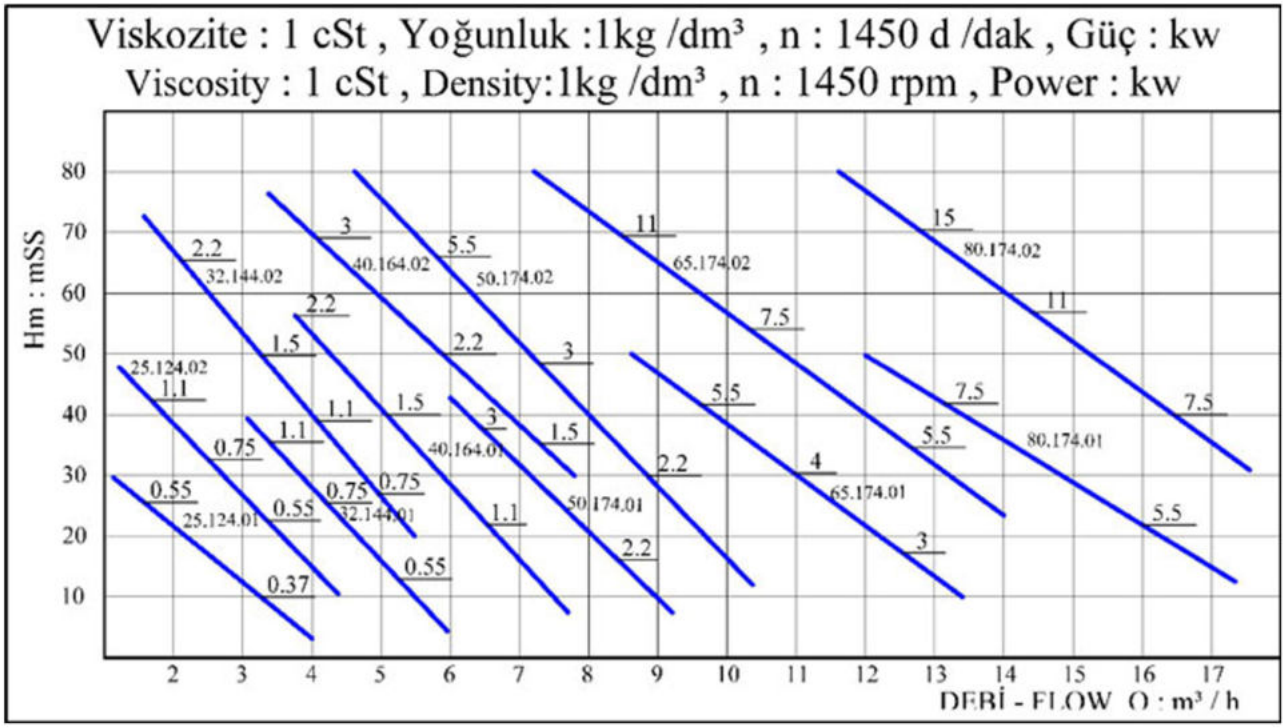


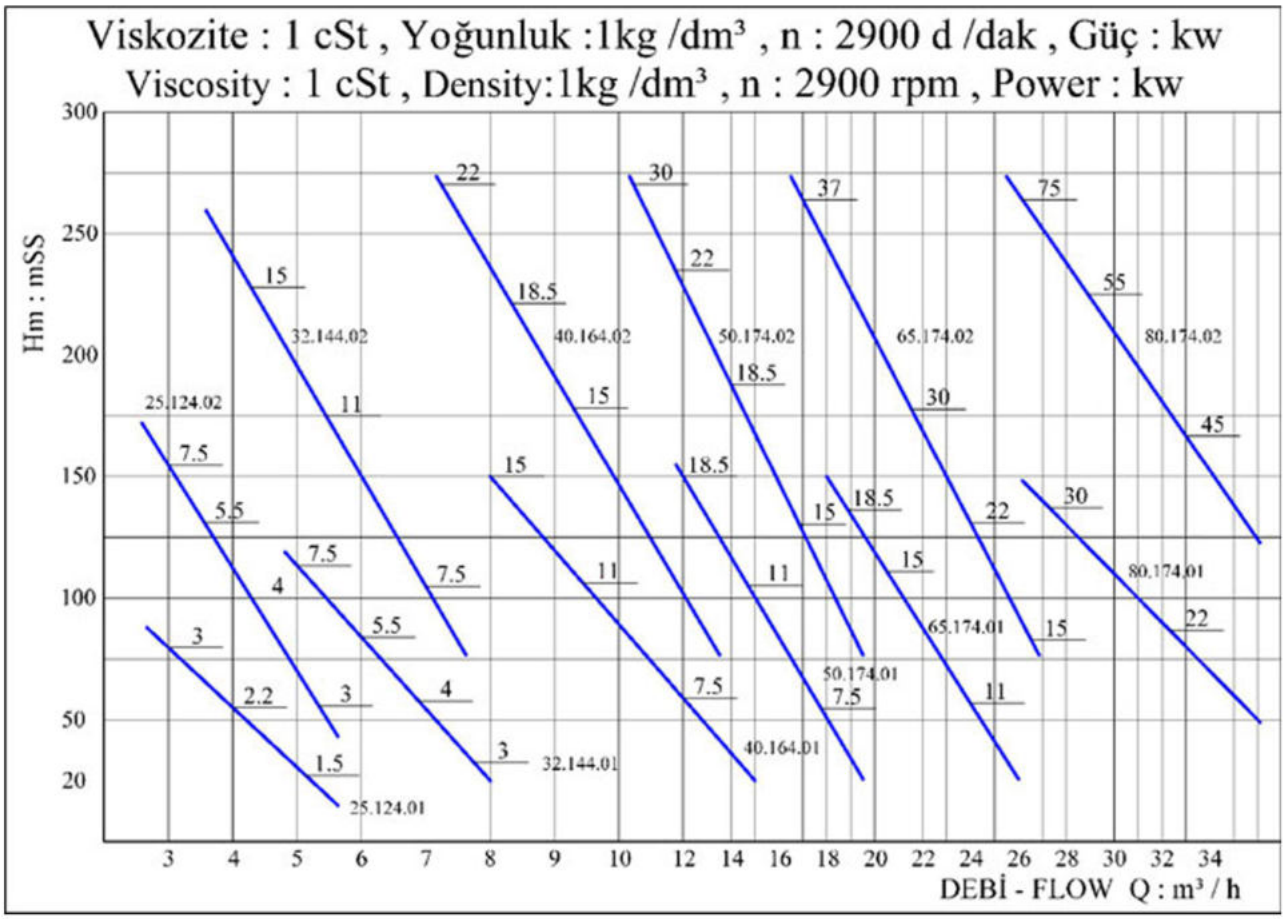
Applications

. Chemical fluids
. Pressure tank – hydrophore
. Condenser
. Marine service
. Heated water (180 C)
. Heated oil (300 C)
. Chemical solvents

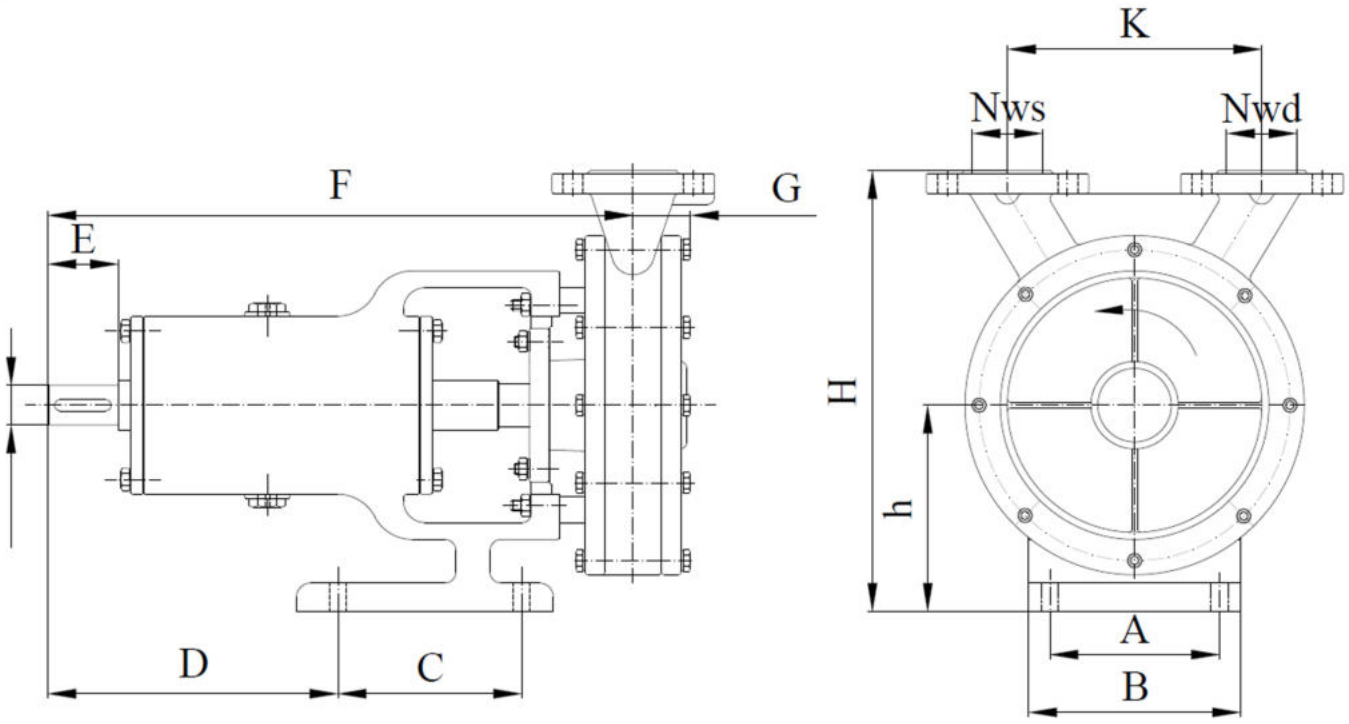
Regenerative Pumps

Performance Curves of Regenerative Pumps





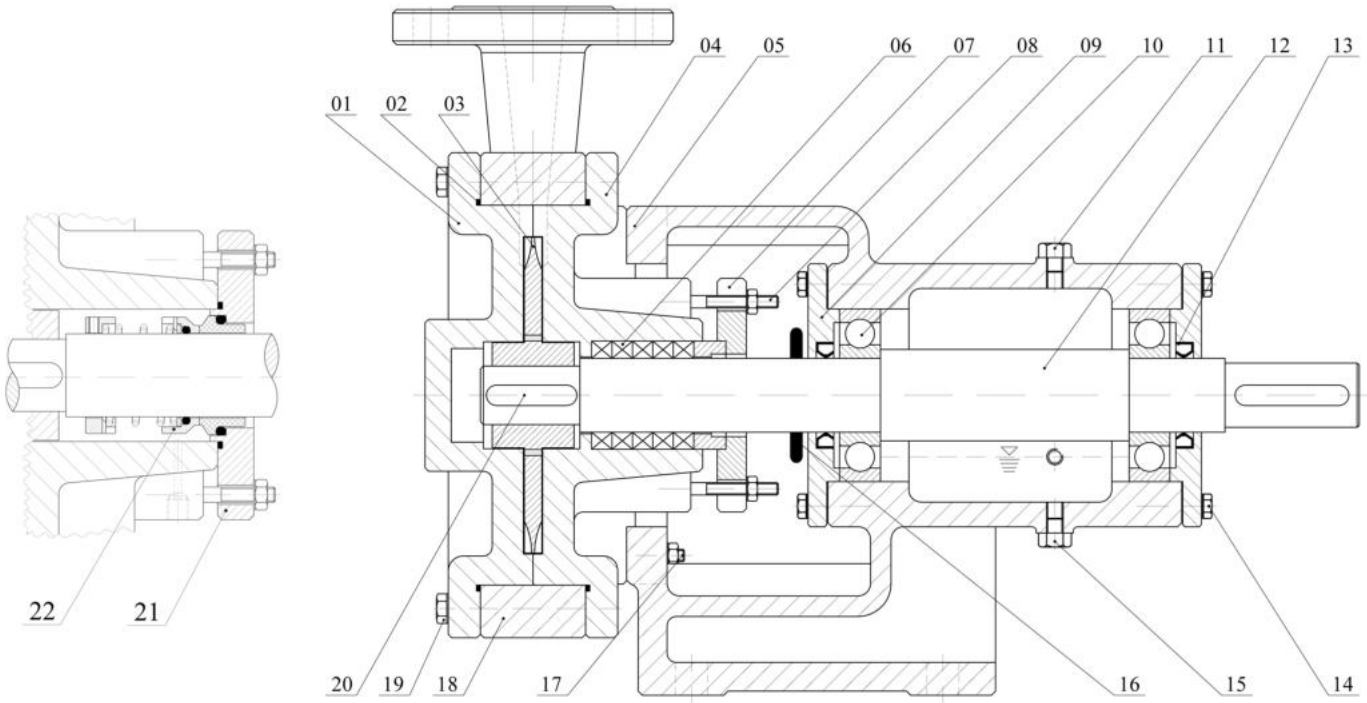
Dimensions



POMPA TİPİ	Nws / Nwd	A	B	C	D	E	F	G	H	h	K	Ø d
RTP 25.124.01	25	120	150	90	170	50	320	52	262	112	130	24
RTP 25.124.02	25	120	150	90	170	50	342	74	262	112	130	24
RTP 32.144.01	32	140	180	100	215	60	360	50	302	132	160	28
RTP 32.144.02	32	140	180	100	215	60	385	50	302	132	160	28
RTP 40.164.01	40	160	200	125	255	70	435	60	350	160	180	34
RTP 40.164.02	40	160	200	125	255	70	465	90	350	160	180	34
RTP 50.174.01	50	180	220	165	230	80	465	65	410	200	200	38
RTP 50.174.02	50	180	220	165	230	80	500	65	410	200	200	38
RTP 65.174.01	65	180	220	165	230	80	465	70	420	200	220	38
RTP 65.174.02	65	180	220	165	230	80	500	70	420	200	220	38
RTP 80.174.01	80	180	220	165	240	80	465	80	430	200	220	38

Regenerative Pumps

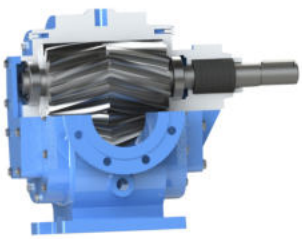
Part List

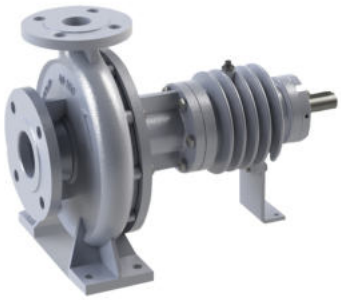


01- Cover
02- O-ring
03- Impeller
04- Packing Casing
05- Chassis Leg
06- Packing
07- Gland
08- Stud Bolt
09- Bearing End Cover
10- Bearing
11- Oil Fill Plu
12- Drive Shaf
13- Sealing Ring
14- Bolt
15- Oil Drain Plugt
16- Water Spraying Disc
17- Stud Bolt
18- Body pump
19- Bolt
20- Key
21- Mec Seal Adapterl
22- Mechanical Seal

Our Product Portfolio

- Diaphragm Pump
  - . Metalic Body Pumps
  - . Plastic Body Pumps
  - . Hygenic Pumps
  - . Electromechanical Diaphragm Pumps
  - . Powder Pumps
  - . High Pressure Diaphragm Pumps
- External Gear Pumps
  - . Monoblock Gear Pumps
  - . High Pressure Gear Pump
- Twin Screw Pumps
- Centrifugal Pumps
  - . End Suction Centrifugal Pumps
  - . Monoblock Centrifugal Pumps
  - . Inline Centrifugal Pumps
- Vortex Pumps
- Regenerative Pumps
- Armatures





Vesta Pump Head Office

Address: Yeşilbağlar Mh. Selvili Sk. No:2 Helis Beyaz Ofis Kat:7
Pendik / İstanbul / Turkey
Tel : [+90] 216 518 44 40
Faks: [+90] 216 518 44 40
E-mail : vesta@vestapump.com