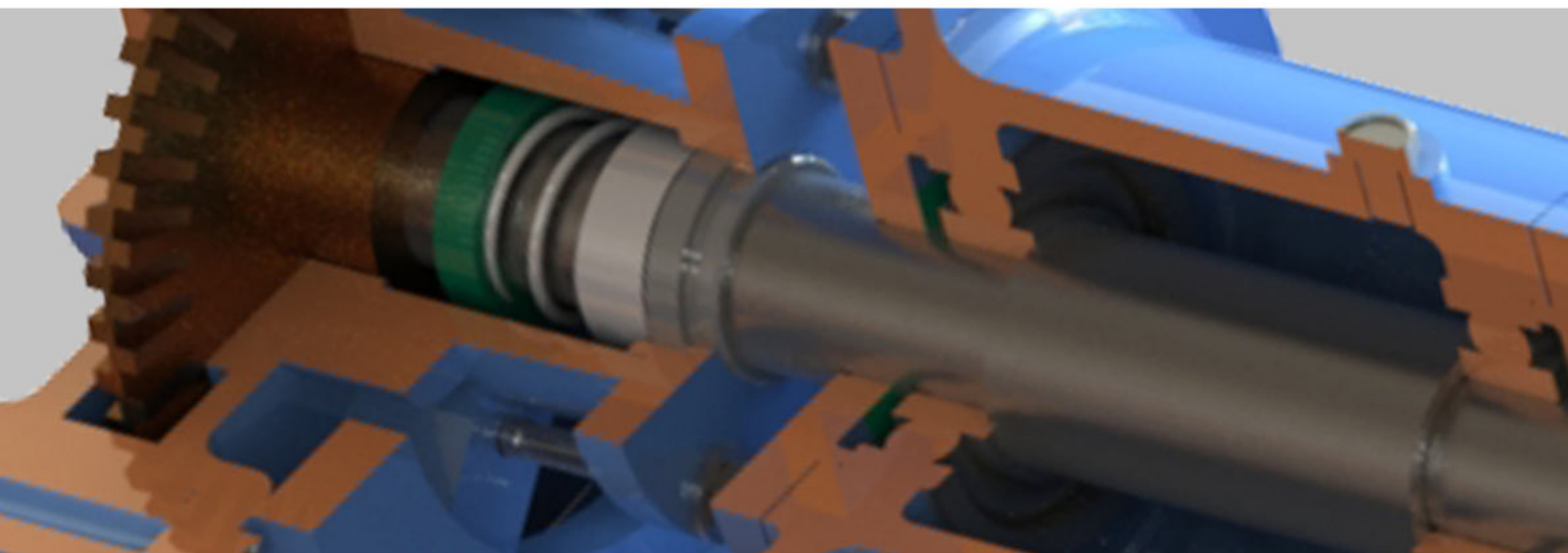




VESTAPOMP
Makes life comfortable

VESTA



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.

Regenerative Pumps

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
- . Automatic emission
- . Positive deplacement
- . Flow change is less in relation to the pressure
- . Extensive working space

Applications

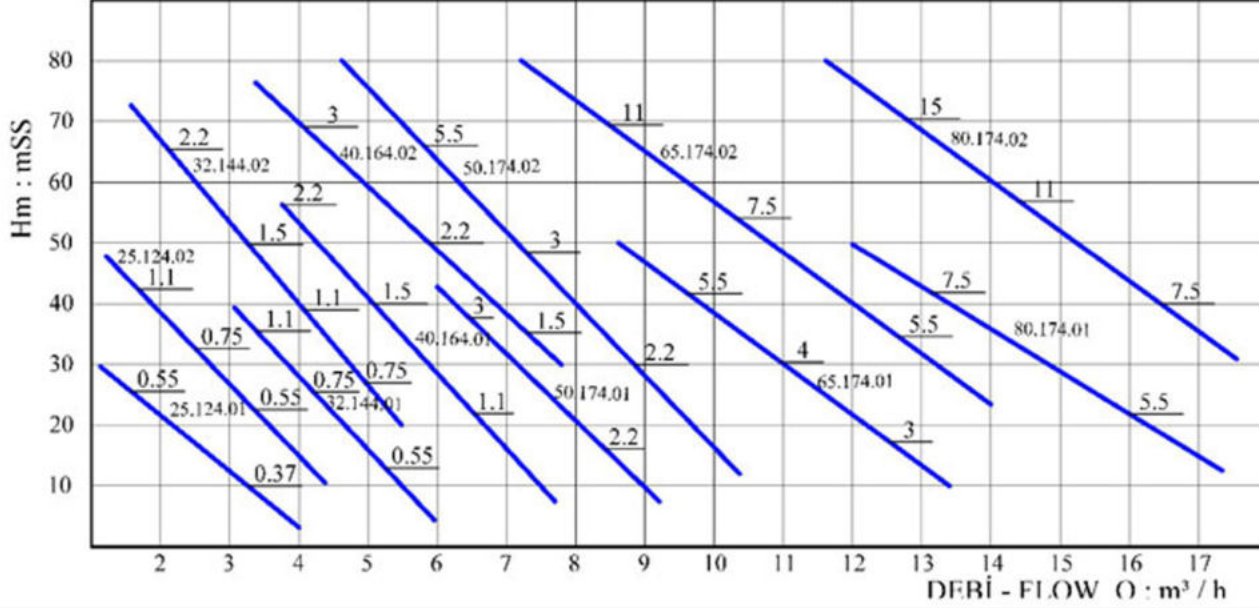
- . Chemical fluids
- . Pressure tank – hydrophore
- . Condenser
- . Marine service
- . Heated water (180 C)
- . Heated oil (300 C)
- . Chemical solvents



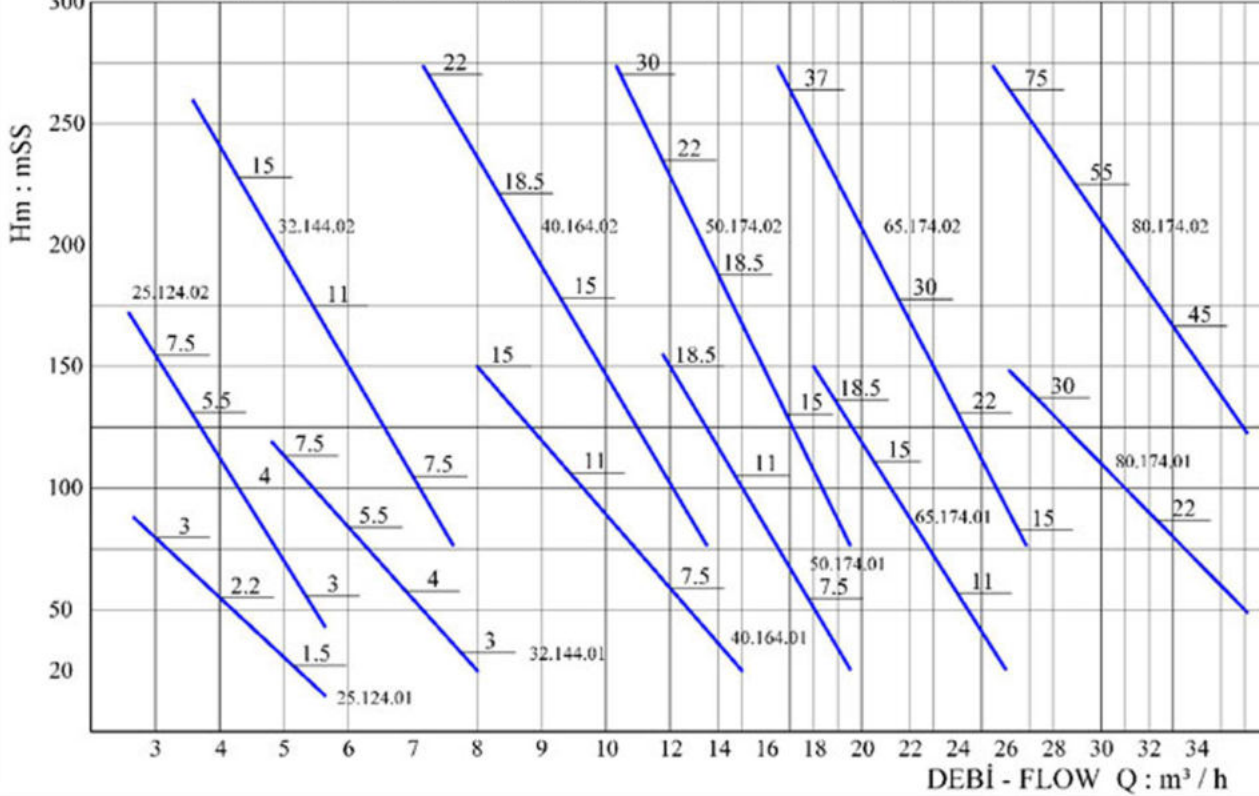
Regenerative Pumps

Performance Curves of Regenerative Pumps

Viskozite : 1 cSt , Yoğunluk : 1kg /dm³ , n : 1450 d /dak , Güç : kw
 Viscosity : 1 cSt , Density: 1kg /dm³ , n : 1450 rpm , Power : kw

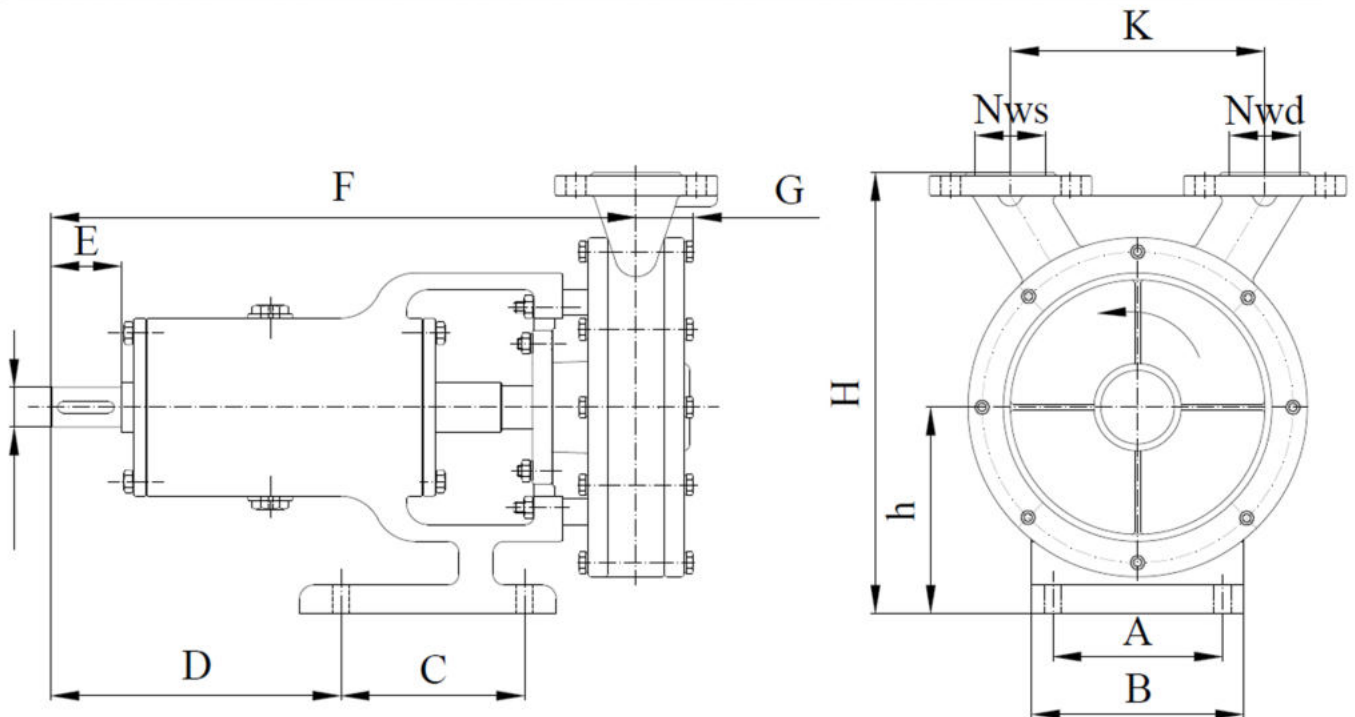


Viskozite : 1 cSt , Yoğunluk : 1kg /dm³ , n : 2900 d /dak , Güç : kw
 Viscosity : 1 cSt , Density: 1kg /dm³ , n : 2900 rpm , Power : kw



Regenerative Pumps

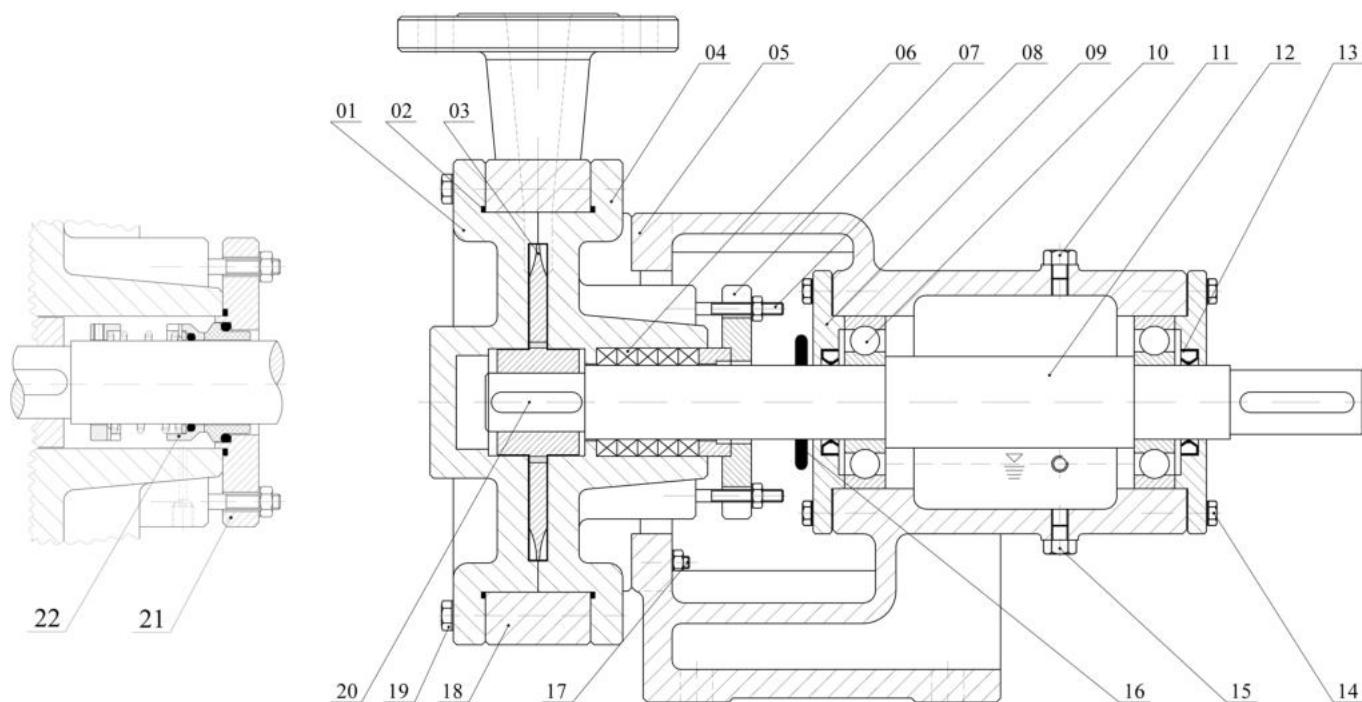
Dimensions



POMPA TIPI	Nws	A	B	C	D	E	F	G	H	h	K	Ø d
	Nwd											
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

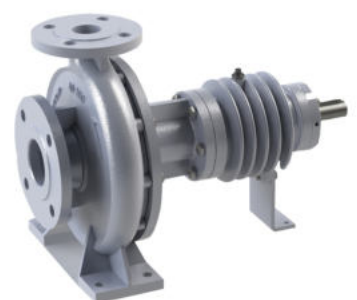
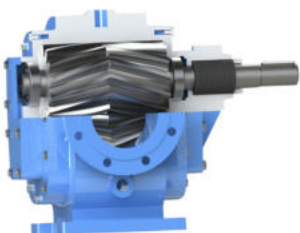
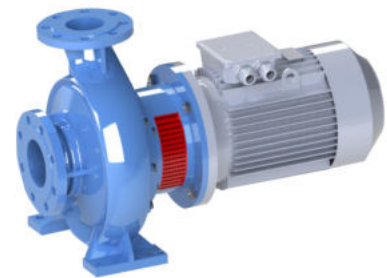


- 01- Cover
- 02- O-ring
- 03- Impeller
- 04- Packing Casing
- 05- Chassis Leg
- 06- Packing
- 07- Gland
- 08- Stud Bolt
- 09- Bearing End Cover
- 10- Bearing
- 11- Oil Fill Plu

- 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
 - . Metallic Body Pumps
 - . Plastic Body Pumps
 - . Hygienic 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