

KEP SERIES SELF-PRIMING PUMPS

KEP series self-priming pumps are centrifugal pumps with open impeller mounted directly to the motor shaft and used for pumping liquids including high air occlusion and chips in machine tools industry.

Application Fields;

- Fluids with high air occlusion,
- Contaminated liquids,
- Liquids containing solid particles,
- Alkaline, solvents, coolants and lubricants etc.
- Surface washing, cleaning, degreasing,
- Recycling and filtration in Machine-tool industry,
- Circulation of coolant,

Fluids;

- Water,
- Emulsions,
- Cutting oils,

Specifications;

- Self-priming after the pump casing has been filled with the fluid.
- No back flow valve required.
- Insensitive to the penetration of gas and air.
- Chip size max. 9 mm,
- Easy to clean out via drain plug.
- Small space requirements due to the compact design.
- All pumps include single mechanical seal.

Materials;

Pump Body	- GG 25
Motor Flange	- GG 25
Impeller	- GG 25
Pump Shaft	- AISI 420
Mechanical Seal	- C-SiC-Viton

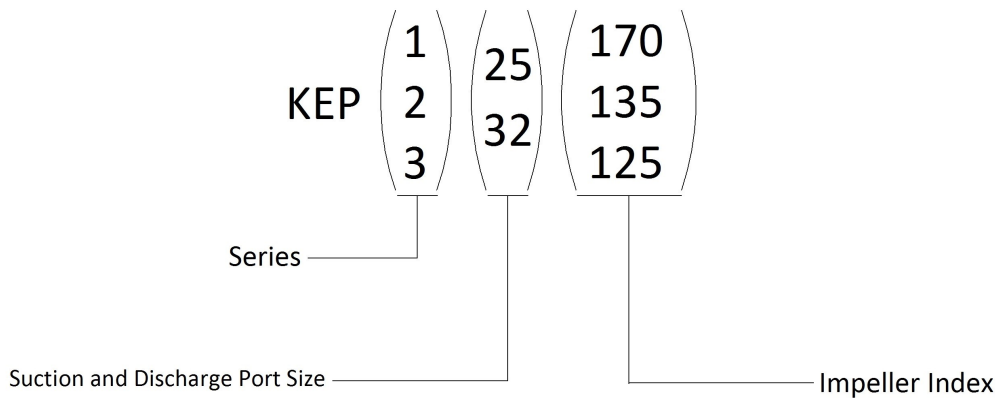


Figure 30 - KEP Series Pumps

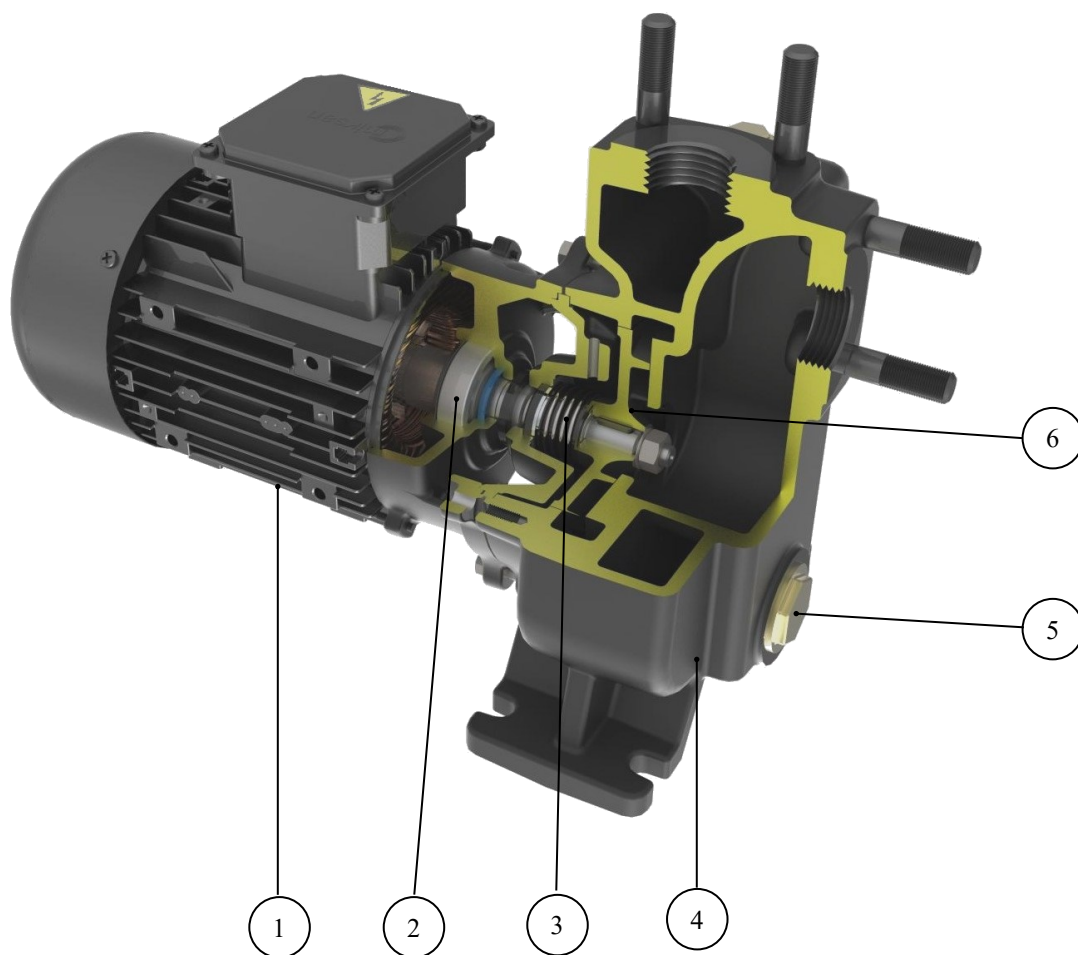


Figure 31 - KEP Series Pumps Section View

1. Electric Motor

Special shaft and flange mounted electric motors are used on KEP series. Motor shaft is directly mounted to impeller.

Power of 3 phase electric motors are 4,0 kW and 3,0 kW in frame size of 100; 2,2 kW and 1,5 kW in frame size of 90; 1,1 kW in the frame size of 80; 0,37 kW and 0,25 kW in frame size of 63.

2. Bearings

Motor flange is made of cast iron and the front bearing is bigger than standard electric motors so it offers increased strength against to axial forces.

3. Mechanical Seal

Standard mechanical seal material is C-SiC-Viton. Tu-Tu-Viton mechanical seal is available upon request.

4. Pump Body

Self-priming after the pump body is filled with the fluid once.

5. Drain Plug

KEP pumps can be easily clean out via drain plug without dismantling the pump from the system.

6. Impeller

Special impeller design that allows self-priming without foot valve requirement.