

## Horizontal Split Case Pump

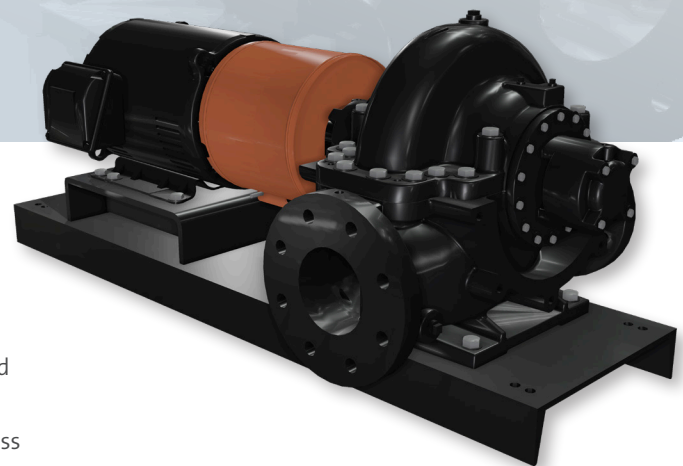
# KP

Built to deliver up to 20,000 gallons-per-minute, this high capacity single stage pump is ideal for demanding applications. The KP features compact, robust bearing housing with a 360-degree machined register fit, which limits shaft deflection and optimizes alignment.

Available in a wide range of material options, the KP is highly customizable and perfect for specialized, challenging applications.

### KEY FEATURES AND BENEFITS

- Hydraulic double volute design reduces radial loads, internal recirculation and turbulence, resulting in a longer pump life span and a higher operation efficiency
- Axially split design allows for quick removal of the top casing and access to pump components (bearings, wear rings, impeller, and shaft seal) without disturbing the motor or pipe work, saving time and money
- Standard bronze wear rings protect pump from erosion and permit simple maintenance of proper running clearances
- Horizontal, space saving design eliminates need for distance around pump for maintenance access
- Highly customizable construction including choices of case material with numerous impeller and shaft seal options
- Integrally cast suction baffles reduce suction recirculation loss and ensure even flow distribution and quiet, vibration-free operation. Suction chamber inlet configuration also increases hydraulic efficiency and lowers net positive suction head requirements.
- Independent bearing housing design allows access to the pump components without removing the top half of the casing
- Extended pump range up to 20,000 gallons-per-minute to serve all your high flow applications
- Francis Vane Impeller design with extended vanes and enlarged eye increases efficiency and reduces vibration and noise
- NSF/50 certifications (available upon request)



### APPLICATIONS

- Chilled water
- Condensed water
- Service water
- District energy
- Water distribution
- Central plant heating/cooling

**TECHNICAL DATA**

| KP                  |                 |
|---------------------|-----------------|
| FLOW, Q:            | max. 20,000 gpm |
| HEAD, H:            | max. 700 ft     |
| LIQUID TEMPERATURE: | -20°F to 275°F  |
| WORKING PRESSURE:   | max. 400 psi    |
| HP RANGE:           | max. 2000 HP    |
| DISCHARGE SIZES:    | 2 to 20 in.     |
| IMPELLERS:          | 7 to 24 in.     |

**PERFORMANCE DATA**



Visit [grundfos.us/pei](http://grundfos.us/pei) to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.