

# Vertical Split Case Pump

## GRUNDFOS KPV

The single stage Grundfos KPV offers robust and reliable operation in a compact, vertically mounted frame. The pump's double volute design balances radial loads while extending the life of wear rings, shaft seals and bearings. The KPV also features a TC motor with liquid cooled sleeve bearing which promotes a longer pump life.

Available with a wide range of material options, the KPV is highly customizable and perfect for retrofits or specialized applications in small spaces.

### KEY FEATURES AND BENEFITS

- Lower sleeve bearing with liquid cooled design facilitates leak-free performance and reduces maintenance costs by eliminating the need for a lower mechanical seal
- Axially split design allows for quick removal of the top casing and access to pump components (bearings, wear rings, impeller, mechanical and shaft seals) 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
- Spiral grooves on sleeve bearings flush contaminants and particles via recirculation line, reducing maintenance
- 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
- Francis Vane Impeller design with extended vanes and enlarged eye increases efficiency and reduces vibration and noise
- Hydraulic double volute design reduces radial loads, internal recirculation and turbulence, resulting in a longer pump life span and a higher operation efficiency
- Vertical design provides further space savings over the already compact KP model
- NSF61/50 certifications (available upon request)



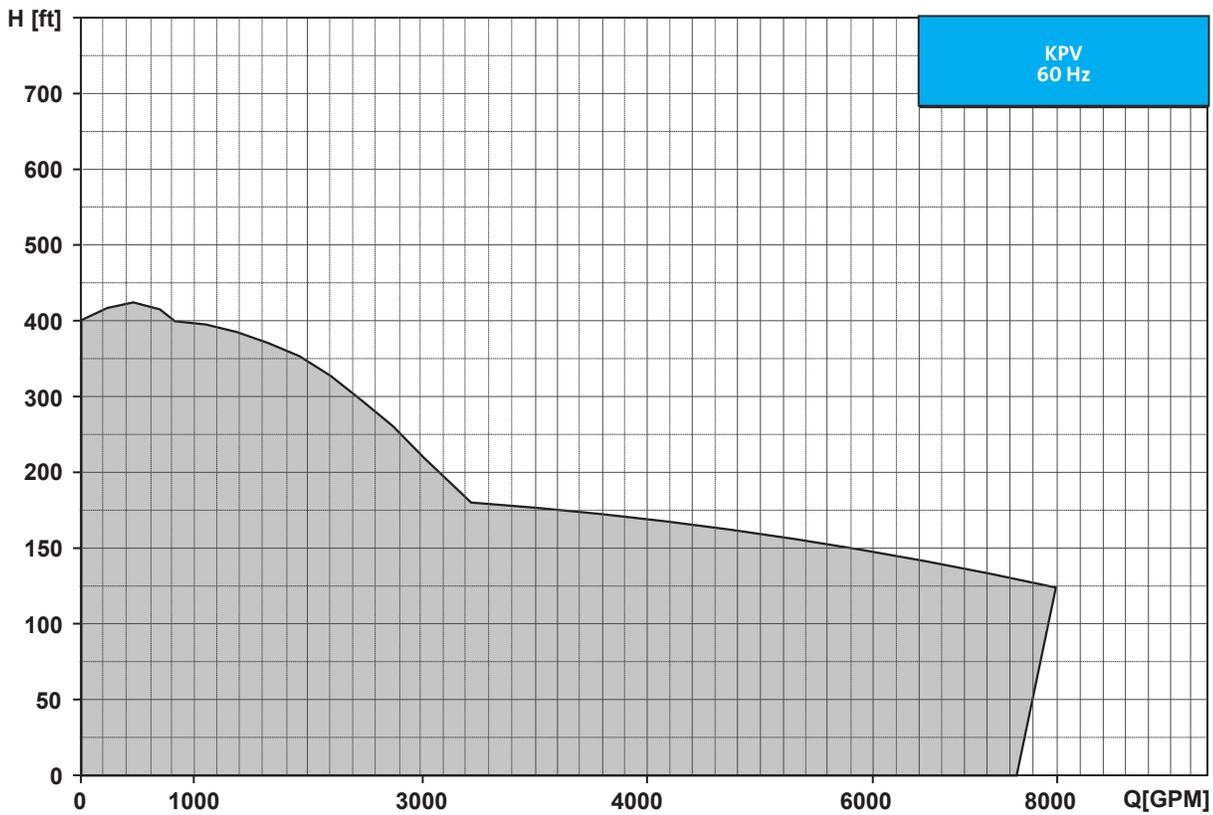
### APPLICATIONS

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

**TECHNICAL DATA**

KPV	
FLOW, Q:	max. 8,000 gpm
HEAD, H:	max. 420 ft
LIQUID TEMPERATURE:	-20°F to 275°F
WORKING PRESSURE:	max. 400 psi
HP RANGE:	max. 500 hp
DISCHARGE SIZES:	2 to 10 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.