

## Pneumatic Slurry Pump – KPD-250

The KPD-250 Pump is highly compact and lightweight, functioning as a double-action pump thanks to its double diaphragm design, ensuring a consistent water flow. It's specifically designed as a slurry pump capable of passing stones up to 3/8" in diameter during delivery. It can be fully submerged in water as long as its exhaust remains above the water level.

### Application

The KPD-250 air-operated double diaphragm pumps are extensively utilized for transferring highly viscous materials that centrifugal pumps cannot handle, as well as highly abrasive materials that would damage close-tolerance gear or progressive cavity pumps.

Moreover, the KPD-250 can efficiently transfer dry powders that would typically necessitate a more costly vacuum system. These pumps find utility in locations inaccessible to other pump types.

This pump type presents an optimal solution for addressing mine seepage or drainage challenges, regardless of how muddy or sludgy the conditions are. For instance, it's commonly employed to dewater the operational area around drills, utilising the same air supply that powers the drill itself.

The driving force behind the KPD-250 pump's liquid movement is the expanding air, with the diaphragm acting solely as a barrier between the air and liquid rather than a driving component. The KPD-250 pump proves convenient for various applications in industries such as-

- Mining & construction
- Tunnels & shaft sinking
- Ceramic plants
- Paint manufacturing
- Transferring dry powder
- Rubber factory

### Key Features

- ✓ Require only six clamps & 12 Bolts.
- ✓ No ball bearing, seals, shaft, impeller, valve, coupling, V-Belts etc.
- ✓ Require no base, platform or foundations.
- ✓ No consumption of extra electric or diesel Power
- ✓ No rotary or revolving parts.
- ✓ No electric hazard or costly panels, meters required.
- ✓ Light in weight and small volume.



**Model KPD-250**

### Technical Details

Reference Part No.	VK-PSP-250
Weight	60 Kgs
Dimensions	20" x 17" x 34"
Discharge	250-400 lpm / 15000-24000 lpm
Head Capacity	50 Meter Vertical
Air Consumption	90-100 cfm
Air Pressure	6-7 kg/cm <sup>2</sup> 80/90 PSI
Suction Size	3"(75 mm)
Delivery Size	2" (50 mm)
Suction Lift	10 Feet
Stroke Capacity	90-100 Per Minute
Max. Size of Solid	3/8"(10 mm)
Lubricant	Servoneum 100
Self-Priming	Yes
Submersible	Yes
Material of Construction	Aluminium Alloy Casting