



Single / Multi Stage
Polder type
Submersible
Pumpset
(PPS)



*Smooth, Simple &
Cost Effective*





About

OUR ROOTS : Pullen Pump began in 1978 with our beloved, Mr. Fakirbhai Patel. Pullen is synonymous with engineering excellence, reliability and closeness to customers. Pullen Pump having a wide range of products to suit your requirement. We manufacture wide variety in Polder Pumps, Bore Hole Submersible Pumps & Horizontal Mono Submersible Pumps. The company reputation, consumer goodwill and loyalty is strengthened by a service package, which includes personal training, spare parts supply, installation and operation of specialized equipment, expert maintenance, repairs and up-to date technical advice.

Upgradation

To keep pace with changing times since September 2021, "Pullen" brand pumps are now acquired by M/s. Aqua Machineries Pvt. Ltd & benefits tremendously from a much Ultra Modern Plant & Latest Technology.

- Approx. **15,000m² area** & manufacturing capabilities at **urban area**.
- Connected Load with Captive DG Sets enables testing up to **1250kVA**, Transformer **415V, 550V, 690V, 3300V & 6600V** Large VFDs upto **1250 kVA**.
- Manufacturing facilities with Plant machinery of 8m max CNC, 4m chuck dia VTL, Heavy Duty Lathe upto 8m Between Centre, Ultra-Sensitive Dynamic Balancing Machine, Laser Aided Machine, Fully Air-conditioner, Dust & Moisture Free Bearing & Seal department, Fully Air-conditioner Dust & Humidity free Winding Room, Heavy Duty, Dual Vacuum Pressure Resin Impregnation Plant for VPI of Motor.
- For quality work, Fully Air conditioned Quality measurement "Vishwakarma Mandir" at **Metrology department** Ultra Sophisticated, 3D CMM (*Coordinate measuring machine*).
- 2 no. of test bad with separate **60 Nos.** of test pipe lines for Pump discharge nozzle capacity upto **2500mm**. Pumps upto 5,000 m³/hr. discharge capacity can be tested.
- **16 Nos.** of EoT upto **25 MT for handling of material in plant**.

Application

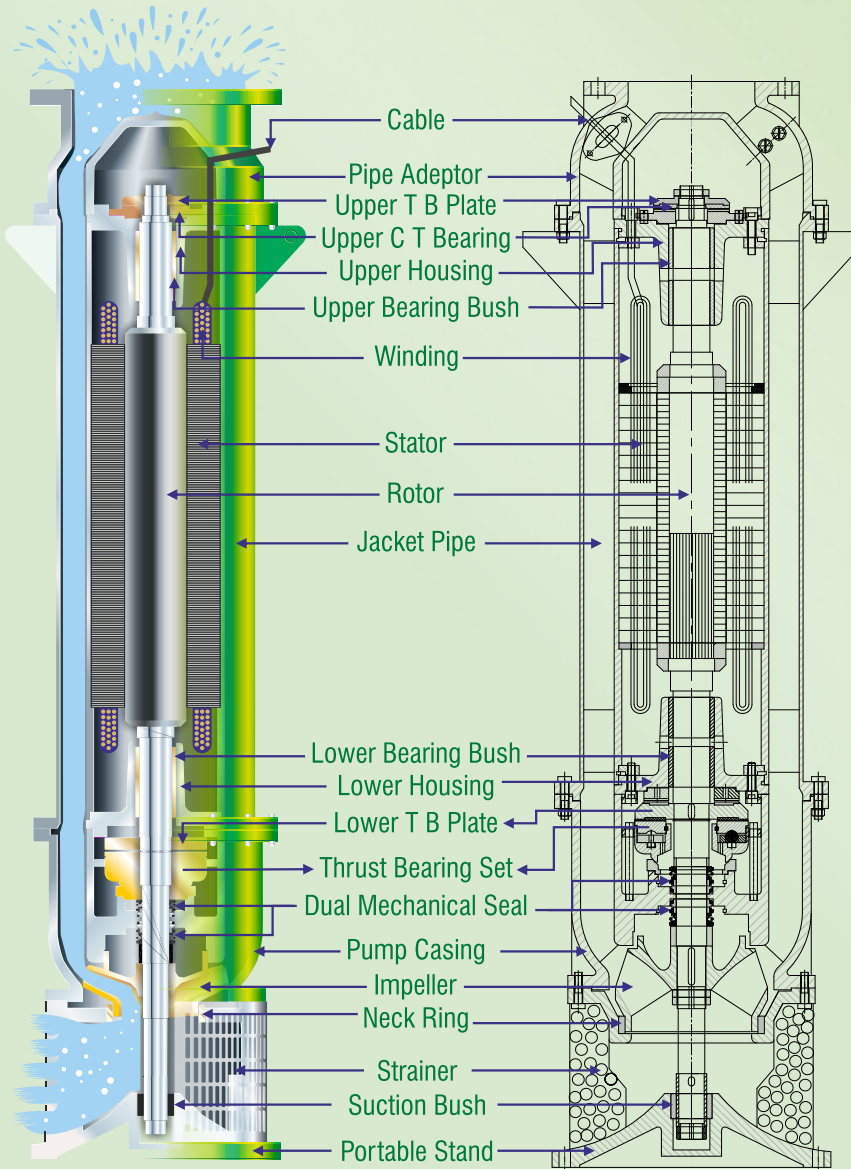
- Dewatering from Dam, Bridge Constructions, Trenches, Sumps.
- Lifting Irrigation, Water Supply.
- Flood Water Dewateration.
- Handling of Clean / Raw Water.
- Water Supply Systems.
- Industrial Water Supply.
- Sea Water, Chemical Ind., Coal/Lignite Mines.
- Municipal Water Supply.
- Water Treatment & Distribution.
- Portable Water Supply.
- Storage Reservoirs.
- Water Level Control & Drawn-down.
- Mining (*Dewatering & Water Supply*).

Specification

- **Flow** \geq 10 Lps to 650 Lps.
- **Head** upto 120 mtrs.
- **DN size** 100mm (4") to 400mm (16")
- **Motor Capacity** \geq 11 kW to 437 kW \leq .
- **Maximum Liquid Temperature** -10°C to 35°C.
- Totally Enclosed Squirrel Cage Wet type, Water Cooled, Water filled Submersible Motor.
- **Class 'Y'** Insulation, IC4W1W1.
- **Voltages:** 3 Phase, 415V / 550V, 50Hz; 1500 / 3000 RPM (*synchronous*).
- Continuously Rated S1 Duty.



Design



Features

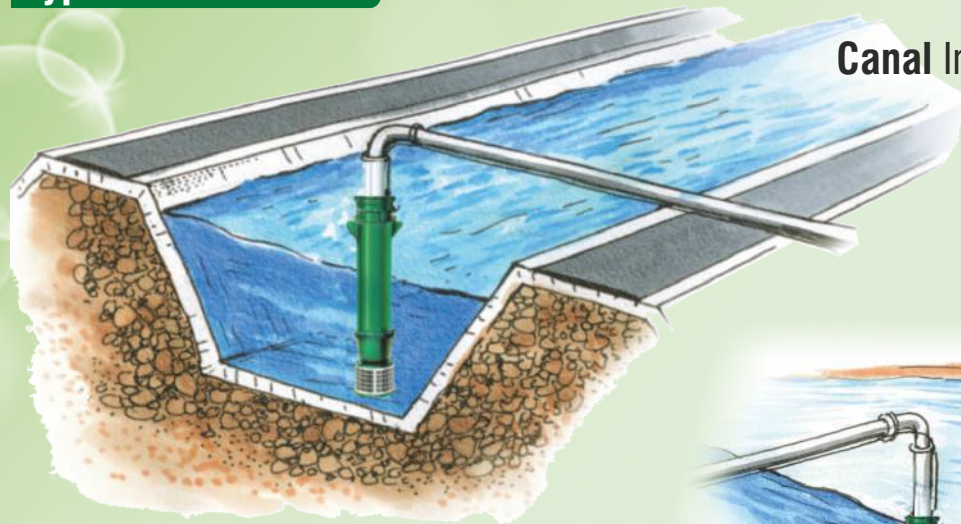
- No foundation or pump –house required –hence 70% lesser installation cost.
- Portable, No special installation tools required can be lowered manually. Hence can be installed, moved and maintained easily.
- Useful in low water level.
- Rubber sealing at the top and a mechanical seal at the bottom prevents the entry of foreign particles in the motor.
- Suction inlets at the base enable drawing water from the bottom of the sump that's why it is called zero suction pump.
- Single Shaft, Impeller directly mounted on the extended shaft of motor, pump and motor (as a *monoset*) minimizes Chances of error in installation
- Noiseless functioning because of submersible nature.
- Immersed in water, so no priming required.
- No additional installation space require as its set up in the sump itself.

Material of Construction

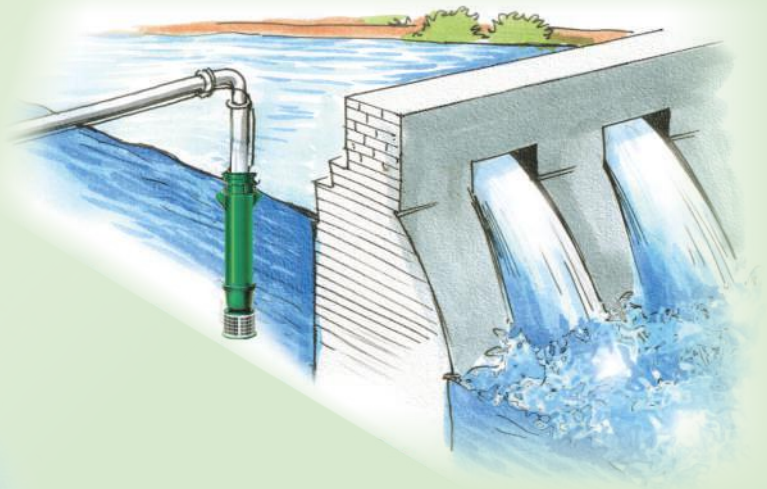
Component	Material		
Pump Casing	CI FG 260	CF 8 (SS-304)	CF 8M (SS-316)
Impeller	Bronze, LTB-2 GR. / SS, CA 15	CF 8 (SS 304)	CF 8M (SS-316)
Shaft	SS 410		
Sealing	Mechanical Seal TC/TC or Sic/Sic		
Rotor	Copper Bar		
Motor Body	MS	SS	SS
Bearing Bush	Bronze, LTB-4 GR. / Carbon		
Fasteners	SS / CS	SS (A2_SS 304)	SS (A4_SS 316)



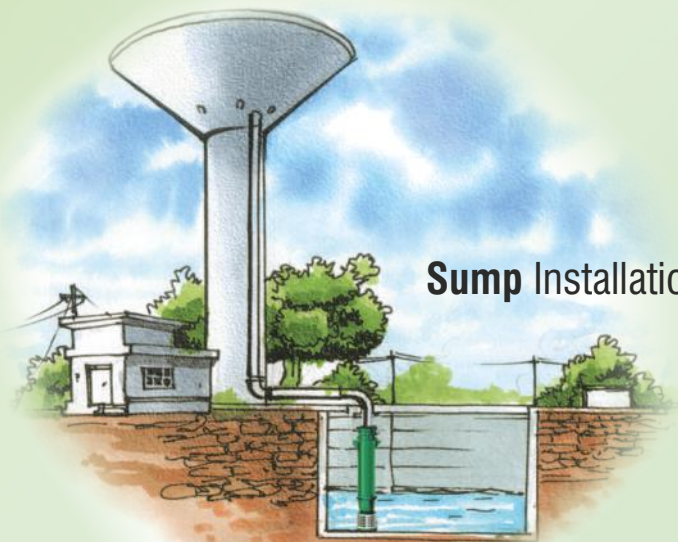
Typical Installations



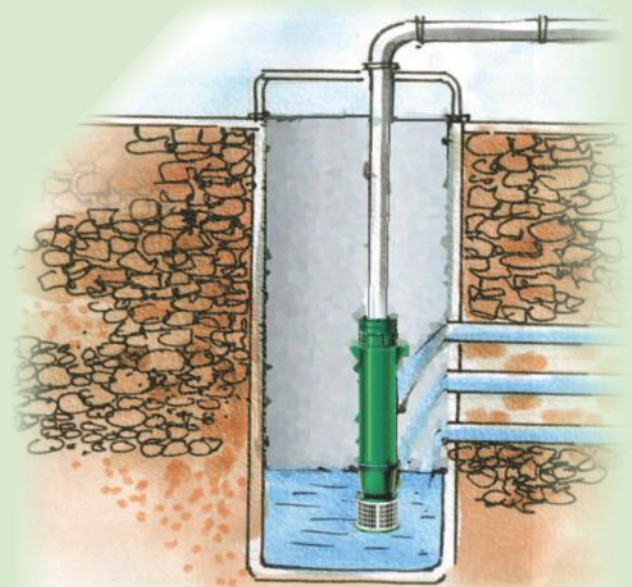
Canal Installation



Dam Installation

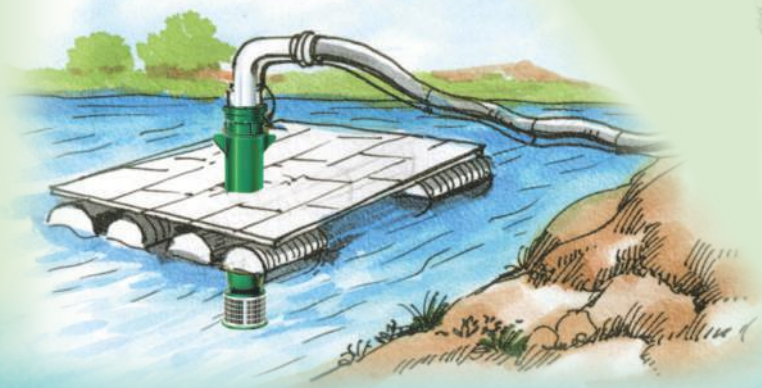


Sump Installation



Jack / French Well Installation

Floating Platform Installation





Installations at Site



Kaketo Dam, Gwalior.



Siddhpur Nagar Palika, Siddhpur.





GIPCL, Narni Naroli.

Mine Dewatering



Narmada Canal, Viramgam.

Lift Irrigation





Our Notable Achievements

Year	Rating	Rated Duty Point	Location
1993	160 hp (2 Nos.)	13000 Lpm @ 36 mtr 1500 rpm	PH Dept., Anantpur.
1999	200 hp (1 Nos.)	12500 Lpm @ 50 mtr 1500 rpm	Vadodara Mahanagar Seva Sadan, Vadodara.
2002	150 hp (2 Nos.)	21700 Lpm @ 20 mtr 1500 rpm	UP Jalnigam, Noida.
2004	180 hp (2 Nos.)	15000 Lpm @ 35 mtr 1500 rpm	Welspun, Anjar.
2006	200 hp (1 Nos.)	5500 Lpm @ 110 mtr 3000 rpm	Gujarat Industries Power Co Ltd., Nani Naroli.
2007	60 hp (2 Nos.)	6500 Lpm @ 15 mtr 3000 rpm	Narmada Canal, Viramgam
2008	150 hp (16 Nos.)	30000 Lpm @ 15 mtr 1500 rpm	Kaketo Dam Project, Gwalior
2009	150 hp (2 Nos.)	27500 Lpm @ 15 mtr 1500 rpm	Pipavav Shipyards, Pipavav, Dist. Bhavnagar.
2014	180 hp (1 Nos.)	5500 Lpm @ 90 mtr 3000 rpm	Gujarat Industries Power Co Ltd., Nani Naroli.
2014	200 hp (2 Nos.)	5500 Lpm @ 90 mtr 1500 rpm	Gujarat Industries Power Co Ltd., Nani Naroli.
2014	200 hp (2 Nos.)	7500 Lpm @ 75 mtr 1500 rpm	Banglore Water Supply Board, Bangalore
2018	200 hp (2 Nos.)	8335 Lpm @ 60 mtr 1500 rpm	Pune Municipal Corporation, Pune.
2019	175 hp (1 Nos.)	9002 Lpm @ 50 mtr 3000 rpm	Kapadwanj Nagar Palika, Kapadwanj

Some of our Clients

Government Undertaking:



& Other Various Nagarpalikas

Other Industries:



BGR Mining & Infra Private Limited

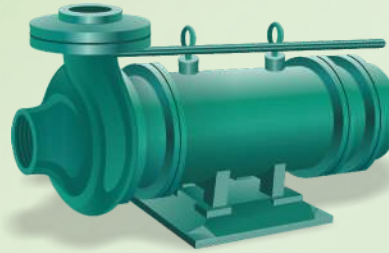




Other Products with Wet Motors



Multi Stage Bore Hole type Submersible PumpSet



Horizontal Mono Submersible PumpSet

Our Goal

All our pumps performs as promised & the high quality of these heavy-duty products, comes to you at an optimum cost. Always being there for our customers, providing them timely & relevant help with proper guidance. The fruits of our labor are reflected in the customer good will, we have earned over the years.



Spacious & State of the Art Plant...

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