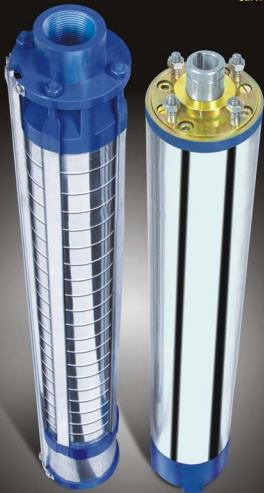




# V-4 SAND BLASTER S.S. SUBMERSIBLE PUMPS



- Survival of the fittest



Water is a critical part of life, not to be taken for granted



# V-4 SAND BLASTER SUBMERSIBLE PUMPS



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KIWI PUMPS, Rajkot, an ISO-9001 unit certified by TUV Sudddeutschland has designed & developed SAND BLASTER submersible pumps for commercial irrigation and home use, with the reputation of Kiwi Pumps for innovation and dependability, built-in engineering and construction features. These combined features reduce the loss in efficiency caused by leakage within the pump and the wear caused by the abrasive sand in water. In addition the SAND BLASTER is guaranteed against sand locking.

## YOUR BORE PUMP NEEDS TO :

- Be robust in construction, but efficient in design
- Have the best combination of materials to ensure each component can do its job fully, for a longer period of time
- Start first time, every time
- Be backed by real pump professionals who understand your needs.

KIWI has been involved with Barwell Submersible Pumps for over a decade and offers you world leading design.

## FEATURES :

- Brass/Cast iron discharge head and motor bracket
- Hi-flow impellers and stages are of stainless steel/marlyn for maximum efficiency
- Stainless steel shaft sleeve and rubber discharge bearing reduces sand wear
- Stainless steel pump shaft, shell and shaft coupling
- High capacity upthrust assembly for protection during start-up and operation
- Powered by Kiwi's corrosion-resistant 4" submersible motors.

## MATERIAL OF CONSTRUCTION - PUMP

NAME OF PARTS	V-4 RADIAL FLOW	V-4 MIXED FLOW
Impeller / Diffuser	Stainless Steel	Stainless Steel
Stage Casing	Stainless Steel	Stainless Steel
Bearing Bush	Leaded Bronze/Rubber	Leaded Bronze/Rubber
Pump Shaft	Stainless Steel	Stainless Steel
Suction Bracket	C.I. / Brass	C.I. / Brass
Hardware	S.S. 304	S.S. 304

## MATERIAL OF CONSTRUCTION - MOTOR

NAME OF PARTS	V-4 RADIAL FLOW	V-4 MIXED FLOW
Shaft	S.S. 431 / S.S. 410	S.S. 431 / S.S. 410
Bearing Bush	Leaded Bronze	Leaded Bronze
Thrust Bearing	S.S. & Eng. Plastic	S.S. & Eng. Plastic
Lower & Upper Housing	C.I. / Brass	C.I. / Brass
Stator Shell	Stainless Steel	Stainless Steel
Hardware	S.S. 304	S.S. 304

## OPERATING LIMITATIONS

	V-4 RADIAL FLOW	V-4 MIXED FLOW
H.P. Range	10 H.P. to 5.0 H.P.	1.0 H.P. To 5.0 H.P.
Head Range	30 Mtr. to 220 Mtr.	30 Mtr. To 85 Mtr.
Discharge At Duty Point	20 Lpm. to 100 Lpm.	150 Lpm. to 220 Lpm.
Max. Discharge	180 Lpm.	300 Lpm.
Max. Head / Stage	5.5 Mtr.	4.0 Mtr.
Operating Voltage	160-250 Volt (1 Phase) 350-440 Volt (3 Phase)	160-250 Volt (1 Phase) 350-440 Volt (3 Phase)
Max. Temp. of Liquid	40° C	40° C
Max. Permissible Amount of Sand In the Water	150 Gram / Cubic Meter	200 Gram / Cubic Meter

Due to continuous efforts in improvements, information furnished above is subject to change without notice.

## APPLICATIONS :

- Pumping water from bores of diameter 4" (100 mm) and above
- Domestic water supply to large residences and multistoried apartments
- Water supply to commercial establishments like hotels, lodgings and hospitals
- Public water supply schemes in urban and rural areas
- Industrial water supply
- Irrigation systems for agriculture including drip and sprinkler systems.



**KIWI PUMPS**

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