



V-4 SUBMERSIBLE PUMPS



- Survival of the fittest



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



V-4

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KIWI PUMPS, Rajkot, TUV Certified ISO-9001 Company's, rugged and efficient, V-4 Borewell Submersible Pumps are the ideal solution where water requirements are substantial and expenditure on power a major consideration.

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, everytime ► Be backed by real pump professionals who understand your needs.

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

FEATURES :

► Light weight and compact ► Superior material of construction Easy assembling, dismantling ► Lip seal and sand guard to prevent ingress of impurities into the motor ► Both pump and motor are fully serviceable and utilize stainless steel, brass and noryl components for longer life ► Energy efficient radial and mixed flow models ► Wear resistant high strength engineering polymer impellers and diffusers with stainless steel inserts ► Rigid cast iron valve casing and inlet bracket.

OPTIONAL : Investment casted stainless steel stage housings (bowlsets) Rigid brass outlet, inlet suction bracket, upper & lower housing and motor base.

MATERIAL OF CONSTRUCTION - PUMP

NAME OF PARTS	V-4 RADIAL FLOW	V-4 MIXED FLOW
Impeller / Diffuser	Noryl	Noryl
Stage Casing	Noryl	Noryl + Stainless Steel
Pump Shell	Stainless Steel	Stainless Steel
Bearing Bush	Leaded Bronze	Leaded Bronze
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	0.5 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	50 Gram / Cubic Meter	80 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.



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