

Vertical Multistage Centrifugal Pumps

(KVM & KTMC SERIES)



DESCRIPTION

Genvik Vertical Multistage Centrifugal Pumps are specially designed to facilitate pressure boosting and are best suited for wide range of applications. The components of this pump such as impellers, diffusers and shaft are made of high quality stainless steel to prevent corrosion and ensures smooth operation for safe and hygienic drinking water systems. This pump with single phase motors are built with thermal overload protection. To prevent leakage and ensures less friction high quality mechanical seals are used.

FEATURES

Balanced and rigid construction
 High mechanical stability
 Corrosive resistant SS parts
 Inbuilt thermal overload protector in all single phase pumps
 Ensures long lasting performance
 Optimal design

APPLICATIONS

Pressure Boosting
 HVAC System
 High-rise Apartments
 Water Treatment Plans
 Agriculture & Irrigation
 Car Service Station

PUMPED LIQUIDS

Non-aggressive, non explosive, pure, cold, fresh water without abrasive particles having the following characteristics.

pH	6.5 to 8.5
Turbidity	50 ppm silica scale (max.)
Viscosity	1.75×10^6 m ² /sec (max.)
Hardness (Drinking Water)	300 (max.)
Specific gravity	1.004 (max.)
Allowable solids	3000 ppm (max.)
Chlorine ion density	500 ppm (max.)
Temperature	90°C (max.) NBR, 90°C VITON

Subject to change without prior notice.



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PUMPS

Inlet & Outlet size	25 mm - 100 mm
Flow range upto	90 m ³ /h
Max. head up to	320 m
Max. allowable liquid temperature	-20°C to + 120°C
Max. working pressure	30 bar
Sealing type	Mechanical Seal



MOTORS

Power range	0.37 to 45 kW 1 pH 230V, 3 pH 380/415V
Speed	2900
Protection	IP 55
Insulation Class	F
Duty	S1 continuous
Rotation Sequence	Clockwise viewed from driving end
Max. Ambient Temperature	50°C



MATERIALS OF CONSTRUCTION

Part Name	Type C	Type S	Type N
Pump Bracket	C.I (Cast Iron)	C.I (Cast Iron)	C.I (Cast Iron)
Impeller	AISI 304	S.S 304 (Stainless Steel)	S.S 316 (Stainless Steel)
Diffuser	AISI 304 (Stainless Steel)	S.S 304 (Stainless Steel)	S.S 316 (Stainless Steel)
Shaft	AISI 304 (Stainless Steel)	S.S 304 (Stainless Steel)	S.S 316 (Stainless Steel)
Mechanical Seal	SiC* / FKM	SiC* / FKM	SiC* / FKM
Distance Sleeve	AISI 304 (Stainless Steel)	S.S 304 (Stainless Steel)	S.S 316 (Stainless Steel)
Pump Base	C.I (Cast Iron)	S.S 304 (Stainless Steel)	S.S 316 (Stainless Steel)
Base Plate	C.I (Cast Iron)	C.I (Cast Iron)	C.I (Cast Iron)
Rubber Parts	FKM	FKM	FKM

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