

ANTICO

non metallic pumps



HE Series - Compact Chemical Process Pumps

ANTICO

HE SERIES



Decades of experience in development & manufacturing of injection Moulded Polypropylene Corrosion Resistant Pumps.

Design philosophy is to design pumps that are simple, rugged & reliable using for most appropriate materials.

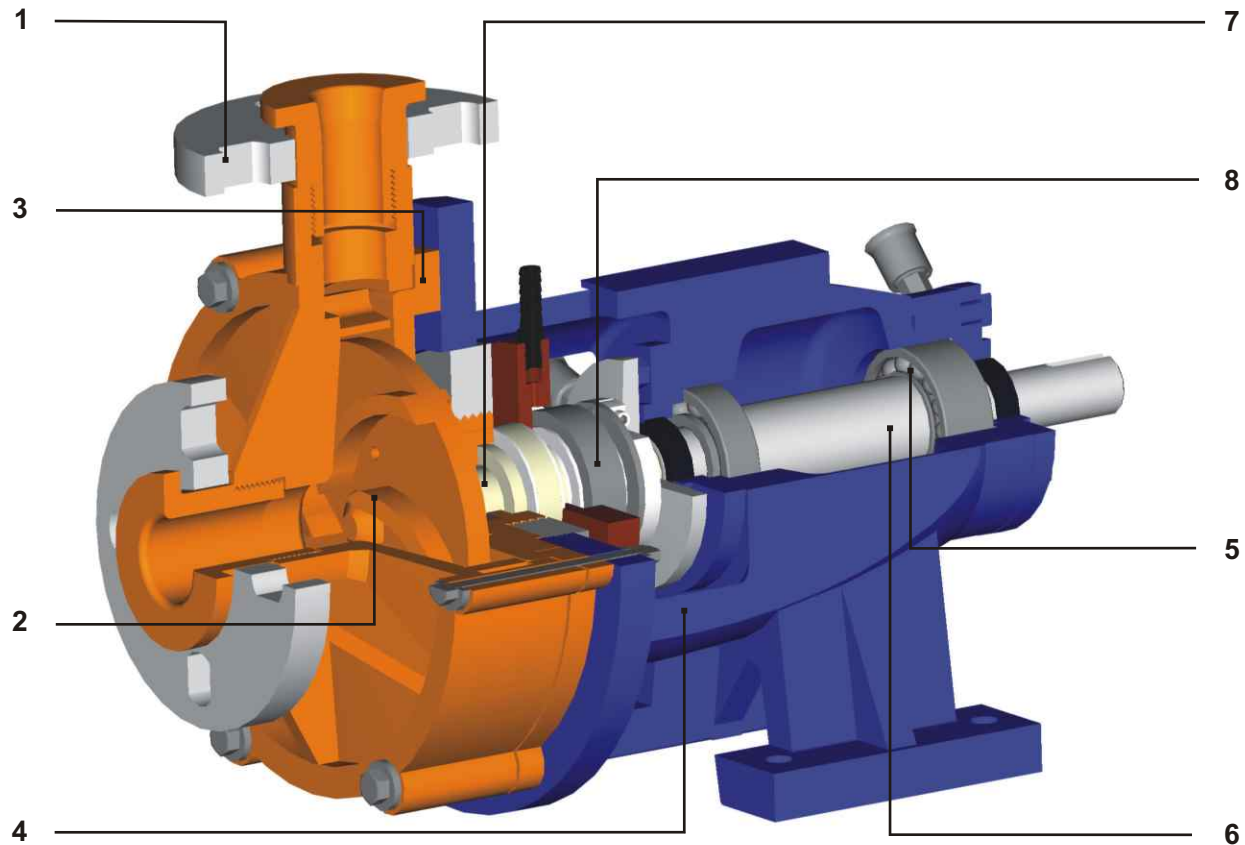
Polypropylene, a vinyl polymer has low density is fairly rigid & has temperature resistance up to 80° C. Its outstanding characteristic is resistance to strong acids coupled with good mechanical properties, light weight & excellent resistance to corrosion make it an obvious choice for ANTICO pumps.



Application:

HE series pumps are compact, high efficiency, for demanding budgets. They are best suited for circulation of chemical in metal finishing industries.

Design Features



1 Volute Casing

Top centreline discharge, self venting volute casing formed out injection moulded polypropylene.

2 Impeller

All impellers are precision moulded, light in weight, semi open construction, with large contoured flow passages for maximum handling of the liquid.

3 Backplate

Thick walled solid injection moulded polypropylene.

4 Bearing Frame

Heavy Cast Iron construction, precision machined for no shaft deflection of more than 0.05mm.

5 Ball Bearings

Inboard bearing is pressed on shaft and free to float axially in frame - carries radial load only. Outboard double row ball bearing is shouldered and locked on shaft with lock-nut and washer, and in bearing housing to carry radial and any unbalanced thrust load. All bearing fits are precision bored.

6 Shaft

Designed for maximum 0.05 mm deflection at mechanical seal. Available in EN / Stainless Steel.

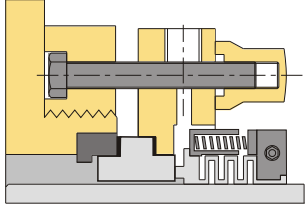
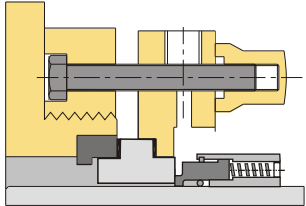
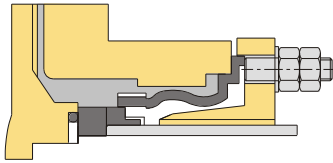
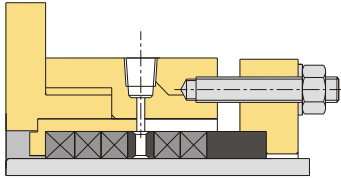
7 Sleeve

Shaft Sleeve of different material depending on the compatibility of the liquid to be handled.

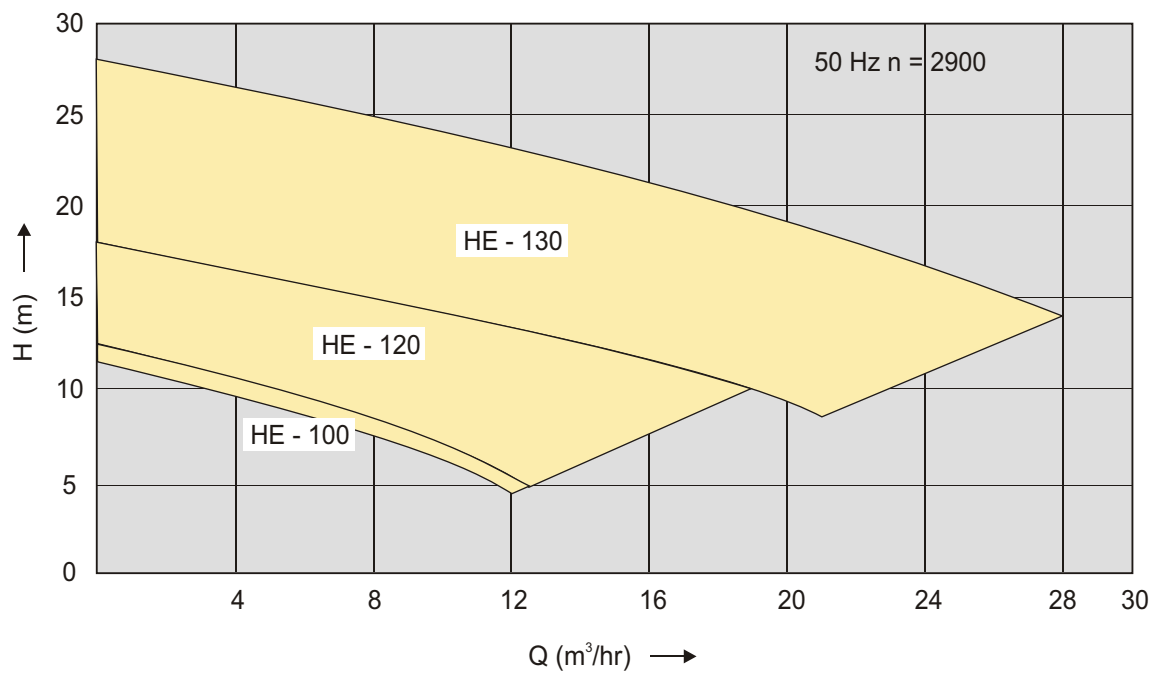
8 Mechanical Seal / Gland Packing

Pumps are fitted with either mechanical seal or gland packing depending on the service conditions.

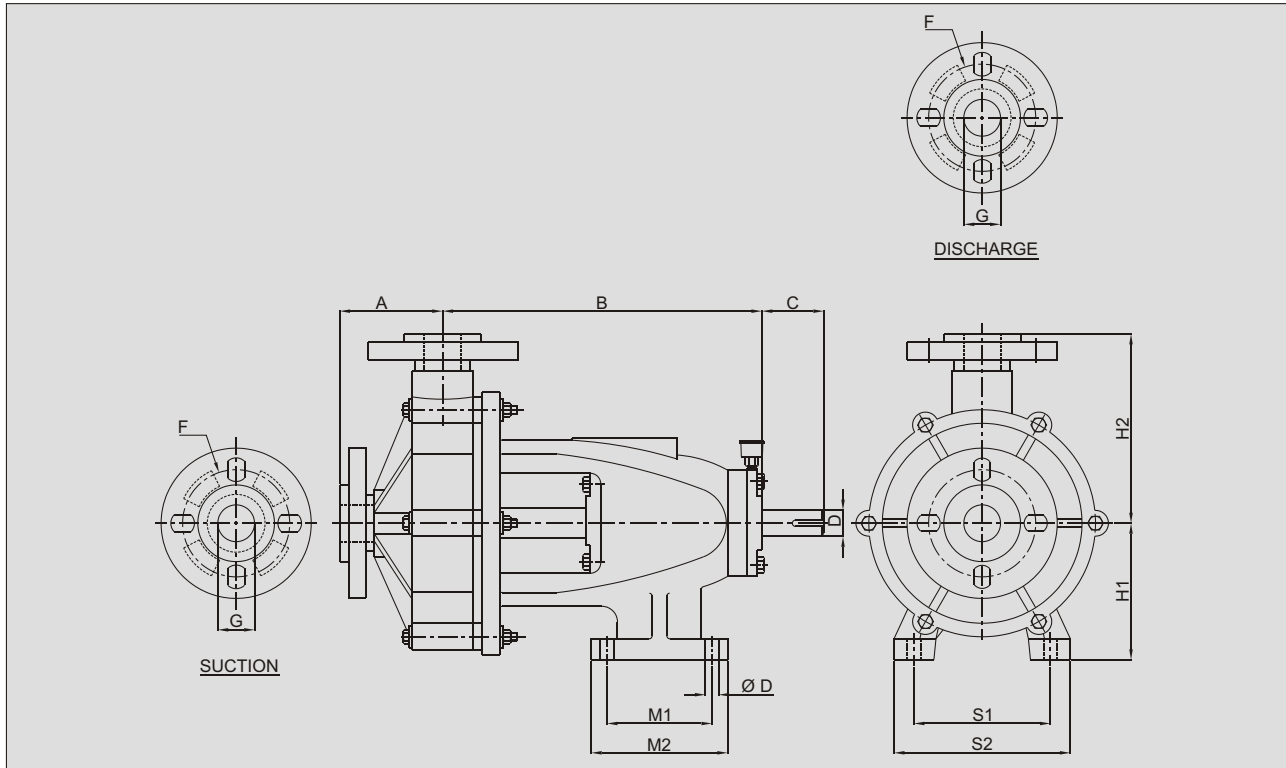
Sealing Options

PTFE Bellows		PTFE Bellows PTFE bellows provide universal chemical resistance for a wide range of services & non-wetted metal parts eliminate the need for expensive metallurgies. TB/TBR seal is inherently hydraulically balanced to ensure proper face loading. Installs easily on outside of stuffing box; eliminates the use of elastomers.
Metallic Seal		Metallic Seal Metallic seal is a multi spring outside mounted balanced seal with 'O' Ring as secondary seal. Excellent for crystalline media since clogging of rotary unit does not occur as is the case in PTFE bellows seal. Wide range of seal face materials available for various applications.
Internal Mechanical Seal		Internal Mechanical Seal Internal Mechanical Seal developed by Antico, has rotary unit fitted on the impeller and stationary unit housed in a rubber bellow. Polypropylene bellow holder ensures proper seal face loading. Used extensively in metal finishing industries.
Gland Packing		Gland Packing Gland packing pumps come with pure PTFE or PTFE Impregnated Blue Asbestos against specific customer requirements.

Performance Range Chart



Pump Dimensions & Connections



HE - 130	98	304	59	25	130	180	100	130	130	168	12.5	102	35	32	102
HE - 120	86	302	57	25	115	154	100	130	130	163	12.5	102	35	32	102
HE - 100	79	260	41	19	100	140	80	110	98	126	12.5	86	25	25	86
MODEL	A	B	C	D	H1	H2	M1	M2	S1	S2	Ø D	F	G	F	G
												SUCTION FLANGE		DISCHARGE FLANGE	

NOTE :

- 1) ALL DIMENSIONS IN mm
- 2) DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE
- 3) FLANGES AS PER ANSI B 16.5 # 150 RF



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