



ADE Helicoidal pump

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Available in Stainless steel 316



EAC CE

Advantages

The **ADE centrifugal pump** with helicoidal impeller is the best solution for the **transfer of liquids with solid particles or medium viscosity products** that cannot be pumped with an ordinary centrifugal pump.

Due to the helicoidal shape of the impeller, the transfer of the product is gentle and without clogging e.g. solid particles suspended in water (proportion: 40% to 60%). It is ideal for applications of the transfer of pieces of fruit or whole fruits, olives, mushrooms, slices of orange, vegetables, fish, etc.

ADE pumps are used also in wineries for the pump-over process where the high capacity and minimum destruction of the solid parts (seeds, skins, etc.) is required.

The design of the pump contributes to a better extraction of tannin, the coloring matter of wine, in the phase of vilification, reducing the lees formation and, as the result, achieving high quality wines.

Features

- Close-coupled design
- Helicoidal impeller
- Pump casing with drain port.
- Pump casing with volute.
- High efficiency (>70%), low power consumption.
- Motor: IEC B35, 1500 rpm, IE2.
- Mechanical seal: EN 12756 (DIN 24960 L1K).
- Connections: DIN 11851 , Flange PN16
- Maximum particle size: \varnothing 75mm



Materials

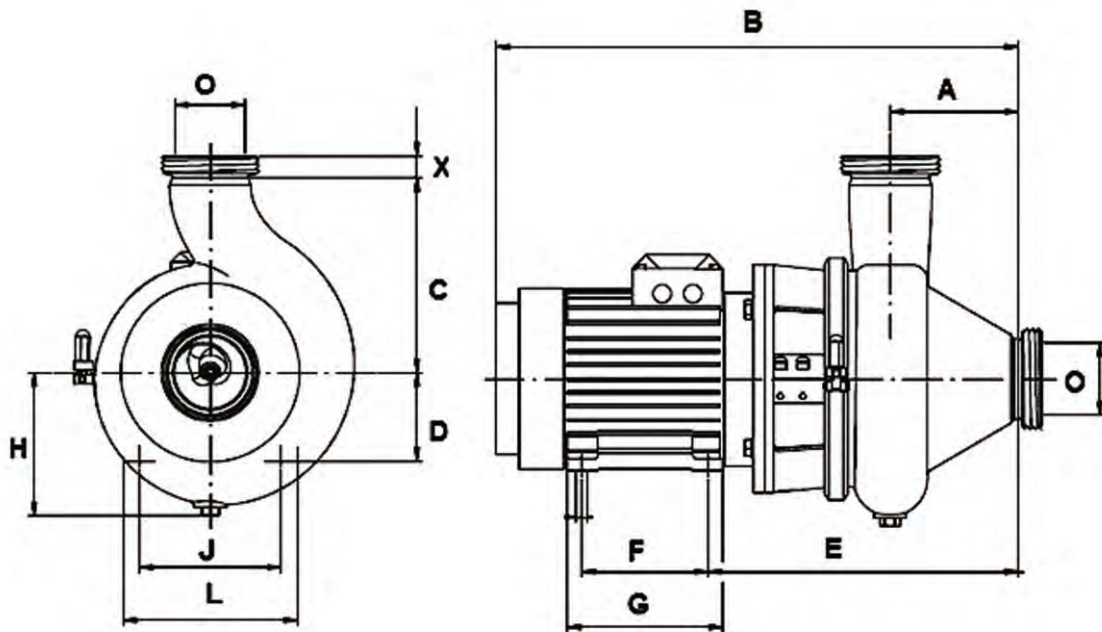
- Materials Parts in contact with the product AISI 316L
- Lantern AISI 316L Other St.St. parts AISI 304
- Gaskets EPDM
- Mechanical seal SiC/SiC/EPDM Internal surface finish bright polish
- External surface finish matte

Technical specifications

- Max.flow 180 m³/h
- Max.differential head 22 mcl
- Max.working pressure 10 bar
- Max.working temperature -10 °C to +120 °C

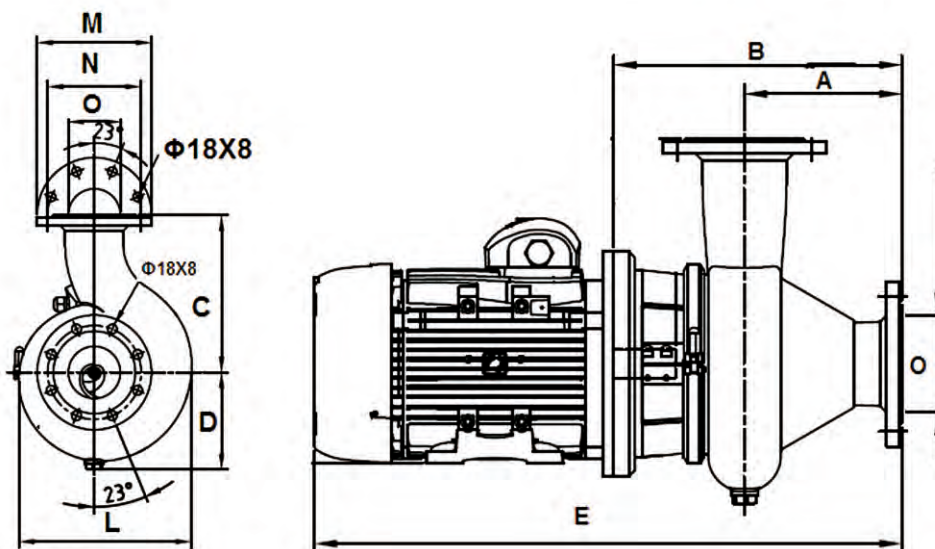


Dimensions ADE 15 / ADE 40



Pump Model	Motor power HP	A	B	C	D	E	F	G	H	I	J	L	O	Pump solids
ADE 15	1.5	95	463	190	80	258	100	125	130	10	125	160	DN 65 DIN 11851	45 mm
ADE40	4	142	606	220	100	344	140	172	163	12	160	197	DN 80 DIN 11851	60 mm

Dimensions ADE 55 / ADE 75 / ADE 100



Pump Model	Motor power HP	A	B	C	D	E	L	M	N	O	Pump solids
ADE 55	5.5	210	357	301	186	708	332	220	180	DN 100 FLANGE PN16	75 mm
ADE 75	7.5	210	357	301	186	708	332	220	180	DN 100 FLANGE PN16	75 mm
ADE 100	10	210	385	301	186	784	332	220	180	DN 100 FLANGE PN16	75 mm