

I Applications

The KSF pumps are Sanitary Progressive Cavity Pumps. They are self-priming due to their design and can suction from a maximum height of 7 meters. This type of pumps can transfer products of both low and high viscosity, as well as products containing particles. Because of its multiple purpose, it is widely used in the wine industry to transfer liquids, wines, lees, and also in filtration and bottling processes.

I Operating principle

Friction between the rotor and the stator creates a vacuum in the inlet area thereby helping the entry of the product into the pump.

The turning motion of the rotor makes the cavities between the rotor and the stator move forward and transport the product to the outlet.

I Design and features

Close-coupled construction.

Pump with stainless steel trolley.

EC electric box with inverter and 10m cable with plug.

Reversible and self-priming.

Mechanical disk variator.

Motor 3 ph 230/400 V. Y, 400 V, 50Hz, IP-55.

DIN 11851 connections.

Pump housing with drain port.

Ra<0.8 µm surface finish.

Red painted RAL3003.

I Materials

Parts in contact with the media:

Lantern:

Stator:

Gaskets:

Mechanical seal (standard):

AISI 316L (1.4404)

GG-15

NBR black (FDA)

NBR (FDA)

Cer/C/NBR

EC control panel with inverter



Pressure bypass
Liquid sensor



I Options

Drainage with ball valve.

Liquid sensor with timer.

Bypass pressure relief valve.

Mechanical seal SiC/C and SiC/SiC.

Connections SMS, Clamp, Macon, Garolla, etc.

Remote control.

Frequency converter (Control range).

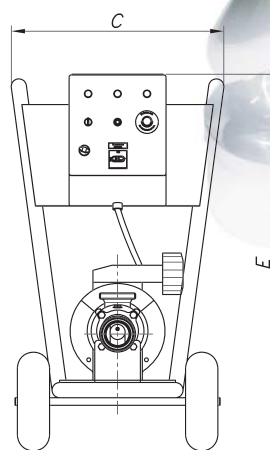
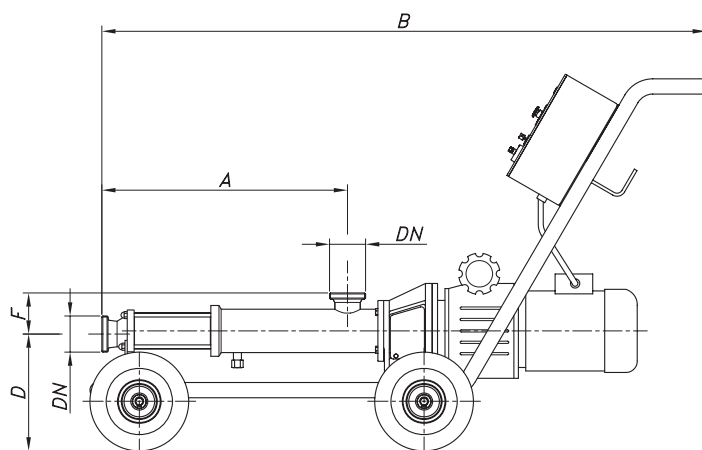
St.St. electric panel.

I Technical specifications

Max. flow 45 m³/h 176 US GPM

Max. working pressure 6 bar 87 PSI

Max. working temperature 85 °C 185 ° F



TYPE	DN	Flow m ³ /h ⁽¹⁾	Pressure ⁽²⁾ bar	Speed rpm	Power kW	A	B	C	D	E	F	Weight kg	CODE
KSF-20*	40 1 1/2"	0,3-1,7	6 max	190-1000	0,75	325	1040	500	216	905	83	62	D3601-0130007CM
KSF-25	50 2"	0,6-3,4			1,85	439	1340	560	293	980	93	79	D3602-0130018CM
KSF-30	50 2"	1,1-6,4			1,85				290		96	80	D3603-0130018CM
KSF-40	65 2 1/2"	3-10		190-650	3	637	1625		308		108	130	D3604-0132030CM
KSF-50	80 3"	5-15		190-550	4	712	1675		304		132	145	D3605-0133040CM
KSF-60*	100 4"	7-20	4 max	150-400	5,5	864	1790	530	345	975	135	262	D3606-0137055CM
KSF-80*	100 4"	20-45		190-400	7,5	984	1910				135	285	D3608-0136075CM

(1) Nominal capacity for liquids at the maximum pressure of 2 bars

(2) Maximum pressure with the indicated power

(*) With a three wheel trolley

