



I Application

The KSF pumps are Sanitary Progressive Cavity Pumps. Because of their design, they are self-priming pumps that 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, also in filtration and bottling.

I Operating principle

The pump's main components are a moving part (the rotor) and a fixed part (the stator). 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.
- Reversible and self-priming.
- Gear motor.
- Electric motor 3 ph 230/460 V. Y, 440 V. Δ60Hz, IP-55.
- Clamp connections.
- Pump housing with drain port.
- Surface finish: polished Ra ≤ 0.8 μm.
- White painted.

EC control panel with frequency inverter



I Materials

Parts in contact with the product

- Lantern
- Stator
- Gaskets
- Mechanical seal

- AISI 316L (1.4404)
- GG 22
- NBR black according to FDA
- NBR according to FDA
- Cer/C/NBR

Pressure bypass
Liquid sensor



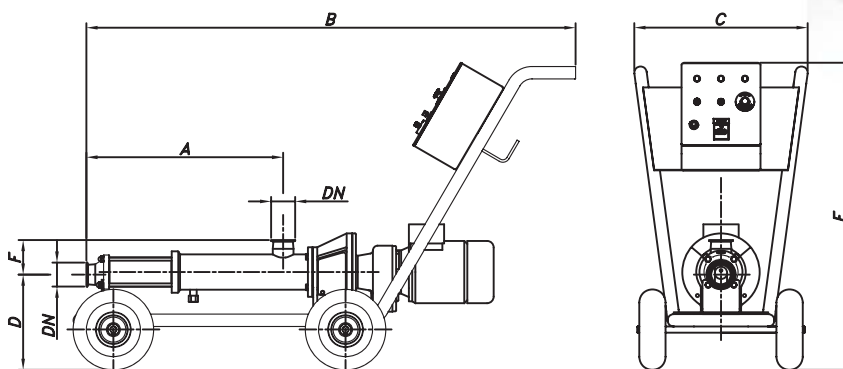
I Options

- Motor with frequency converter.
- Drainage with ball valve.
- Liquid sensor with timer.
- By-pass pressure relief valve.
- Mechanical seal SiC/C and SiC/SiC.
- Connections SMS, DIN, Macon, Garolla.
- Remote control.
- Stainless steel trolley.
- Polyester electric panel with 10 m cable and plug.
- Stainless steel electric panel.

I Technical specifications

Max. flow	45 m ³ /h	198 U.S. GPM
Max. head	60 m	197 Ft
Max. working pressure	6 bar	87 PSI
Max. working temperature	85 °C	185 °F

I General dimensions



TYPE	DN	Capacity ⁽¹⁾ U.S. GPM	Pressure ⁽²⁾ PSI	Speed rpm	Power Hp	A	B	C	D	E	F	Weight ⁽³⁾ lbs.	Code ⁽³⁾
KSF-20 (*)	1 1/2"	6	87 max.	750	1,5	12,5	42,5	20	9,4	36,4	2,8	75	to be consulted
KSF-25	2"	12		645	2,5	17,5	52,5	22	11,4	38,5	3,4	100	to be consulted
KSF-30		18		620	4	25	62,2					22	12,1
KSF-40	2 1/2"	40		530	5,5	28	65,2	23,5	13,6	43,5	5		
KSF-50	3"	62		370	7,5	32,7	72					23,5	13,6
KSF-60 (*)	4"	80	58 max.	10	37,5	77							
KSF-80 (*)		180											390

(1) Flow for liquids at a maximum pressure of 29 PSI.
 (2) Maximum pressure at indicated power.
 (3) Without trolley nor electric panel.
 (*) With a three wheel trolley.

