



### I Application

Thanks to the hopper and auger, the KSFT progressive cavity pumps are suitable for pumping high viscosity products, doughs, pastes and liquids with suspended particles.

### I Design and features

KSFT type is a sanitary progressive cavity pump.  
 Close-coupled construction with direct coupling to the drive.  
 Pump casing with hopper.  
 Fixed transmission.  
 Eccentric outlet.

### I Technical specifications

Materials:

Parts in contact with the product	Stainless steel AISI 316L (1.4404)
Auger	Stainless steel AISI 304 (1.4301)
Other steel parts	Stainless steel AISI 304 (1.4301)
Flange support	GG-22
Stator	black NBR (according to FDA and EC 1935/2004)
Gaskets in contact with the product	FPM (according to FDA and EC 1935/2004)

Single internal mechanical seal EN 12756 I1k (according to FDA and EC 1935/2004):

Rotary part	Silicon carbide (SiC)
Stationary part	Carbon (C)
Gaskets	FPM

Surface finish:

Internal	Bright polish, except for electropolished auger
External	Matt

Connections:

DIN 11851
CLAMP
SMS

Operating limits (depending on the model):

Maximum flow	34 m <sup>3</sup> /h	148 US GPM
Maximum working pressure		
- single stage	6 bar	87 PSI
- double stage	12 bar	174 PSI
Maximum working temperature	85 °C (depending on materials)	185 °F
Maximum speed	500 rpm	



### I Technical specifications

Type	Capacity at 100 rev. [l]	Max. flow [m <sup>3</sup> /h]	Max. pressure [bar]		Max. speed [rpm]	Min. starting torque [Nm]	
			Single stage	Double stage		Single stage	Double stage
KSFT-20	2,8	0,82	6	12	500	18	30
KSFT-25	6,7	2			500	20	36
KSFT-30	9,8	2,9			500	25	45
KSFT-40	23,7	5,7			400	45	80
KSFT-50	45,1	9,5			350	70	125
KSFT-60	82	17,2			350	110	190
KSFT-80	185,4				300	150	260

### I Options

Single flushed mechanical seal (Quench).

Mechanical seal: SiC/SiC.

Gland packing.

Stators: white EPDM and black NBR.

Gaskets: EPDM.

Other types of connections.

Heavy-duty transmission.

Stainless steel trolley.

Electrical control panel.

Cleaning port (CIP).

ATEX certification.

### I Dimensions

Type	A1	B1	C1	D1	E1	F1	G1	I1
KSFT-20 2KSFT-20	300	210	70	10	10,5	63	25	10
KSFT-25 2KSFT-25	365	250	69	10	10	57,5	30	12
KSFT-30 2KSFT-30	365	250	69	10	10	57,5	30	12
KSFT-40 2KSFT-40	420	260	130	15	15	115	40	14
KSFT-50 2KSFT-50	420	260	130	15	15	115	40	14
KSFT-60	585	340	110	17,5	15,5	103	40	14
KSFT-80	585	340	110	17,5	15,5	103	40	14

Type	DN	DIN 11851	SMS	CLAMP OD
		X1		
KSFT-20 2KSFT-20	40 1½"	22	23	14
KSFT-25 2KSFT-25	50 2"	23	23	21
KSFT-30 2KSFT-30	50 2"	23	23	21
KSFT-40 2KSFT-40	65 2½"	25	27	20
KSFT-50 2KSFT-50	80 3"	40	27	21
KSFT-60	100 4"	30	30	21,5
KSFT-80	100 4"	30	30	21,5





**I Performance chart**

