



I Application

Kiber KS progressive cavity pumps are used to transfer products of low and high viscosity as well as products containing soft particles.

They are also recommended for use with edible oils, wine, concentrates and beverages in general. They can also be used to transfer viscous food products.

I Design and features

KS type is a sanitary progressive cavity pump.

Bare shaft construction with bearing support.

Due to the design, they are self-priming and reversible.

Open transmission (hygienic design).

Excentric outlet.

I Technical specifications

Materials:

Parts in contact with the product	Stainless steel AISI 316L (1.4404)
Other steel parts	Stainless steel AISI 304 (1.4301)
Bearing support	GG-22
Stator	NBR negro (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, $Ra \leq 0,8 \mu m$
External	Matt

Connections:

DIN 11851
CLAMP
SMS

Operating limits (depending on the model):

Maximum flow	45 m ³ /h	198 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	1450 rpm	



I Technical specifications

Type	Capacity at 100 rev. [l]	Max. flow [m³/h]	Max. pressure [bar]		Max. speed [rpm]	Min. starting torque [Nm]	
			Single stage	Double stage		Single stage	Double stage
KS-20	2,8	2,4	6	12	1450	18	30
KS-25	6,7	3,8			950	20	36
KS-30	9,8	5,6			950	25	45
KS-40	23,7	13,5			950	45	80
KS-50	45,1	19,5			720	70	125
KS-60	82	24,6			500	110	190
KS-80	185,4	44,5			400	150	260

I Options

Double pressurized mechanical seal.

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.

Fixed transmission.

Pump casing with heating jacket.

Stainless steel trolley.

Electrical control panel.

Bypass pressure relief valve.

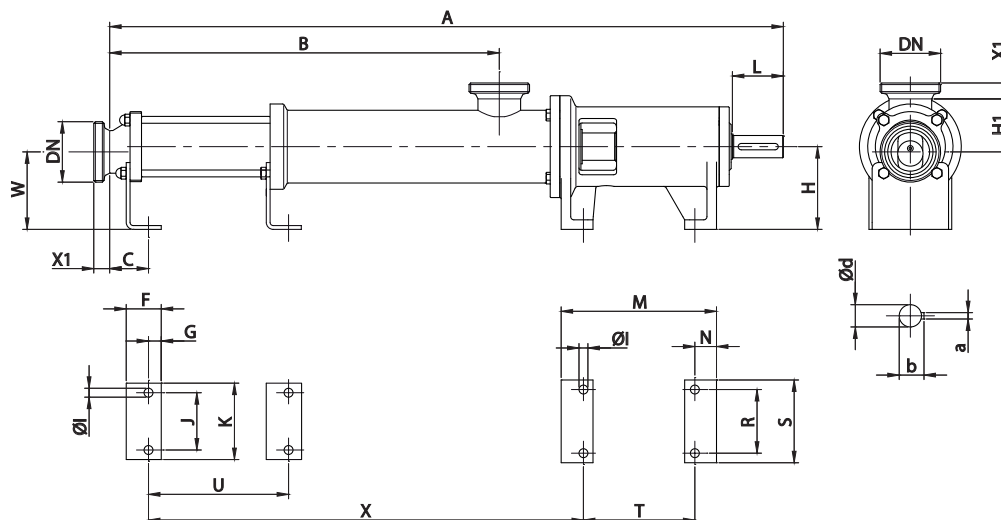
Cleaning port (CIP).

ATEX certification.

I Dimensions

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



I Dimensions

Type	DN	d	L	a	b	A	B	C	F	G	H	H1	I	J	K	M	N	R	S	T	U	X	W	Weight kg
KS-20	40	20	50	6	22,5	612	302															356	87	14
2KS-20	1½"	20	50	6	22,5	712	402	35	35	12	90	61	11	45	70	179	27	70	100	125	-	456	87	15
KS-25	50	25	60	8	27,9	773	416															481	107	23
2KS-25	2"	25	60	8	27,9	865	508	39	40	15	110	70	11	60	90	204	32	90	120	140	-	573	107	24
KS-30	50	25	60	8	27,9	773	416															481	104	24
2KS-30	2"	25	60	8	27,9	923	566	39	40	15	110	73	11	60	90	204	32	90	120	140	-	631	104	25
KS-40	65	35	80	10	38,3	1058	612															683	122	38
2KS-40	2½"	35	80	10	38,3	1248	802	61	55	20	130	83	14	90	120	244	34	100	130	175	-	873	122	44
KS-50	80	35	80	10	38,3	1119	673															740	117	42
2KS-50	3"	35	80	10	38,3	1373	927	65	55	20	130	88	14	90	120	244	34	100	130	175	-	994	117	51
KS-60	100	48	110	14	51,5	1373	830															932	146	88
2KS-60	4"	48	110	14	51,5	1673	1130	70	60	20	160	119	18	130	170	271	38	150	190	195	-	1232	146	107
KS-80	100	48	110	14	51,5	1503	960															1042	132	105
2KS-80	4"	48	110	14	51,5	1903	1360	90	60	20	160	133	18	150	190	271	38	150	195	195	-	1442	132	138

I Performance chart

