FLUGO

Technical Catalogue

CKS Series

Mechanical Diaphragm Metering Pump

CKSS

CKSP/CKSZ

Main performance parameters

Maximum flow rate 24L/h
Maximum discharge pressure 10bar
Adjustment range 0-100%
Maximum suction lifting height 1.5 meters water column

Main features

Product modular structure design, between the hydraulic module, the electromagnetic power module, and the electronic control module.
The module is isolated and the dissipation is excellent.
The electromagnetic coil adopt all-plastic sealing and one-piece molding process, and the power is stable and reliable.
Imported material PTFE + EPDM composite diaphragm, excellent overall toughness and weather resistance, ensure that the metering process is accurate and the life of the whole pump is longer.
Can adapt to wide voltage use and adapt to the voltage requirements of different countries.
The full range comes standard with LCD display, which is convenient for stable and precise control.
High-speed frequency of 360 times/min, stable operation, the pulsation of the pipeline is very small, and the overall vibration is extremely low.
Equipped with an outlet exhaust valve, it is convenient and efficient to use in practice.
A variety of pump head materials are available, and the whole machine is made of high-quality plastic, which has a wealth of application scenarios.

Main application

Petroleum, chemical industry, electric power, metallurgy, mining, shipbuilding, light industry, agriculture, water treatment, etc

Range of pump

	0bar	2bar	4bar	6bar	7bar	8bar	10bar
03	5.4	3.4	3.2	3	2.9	2.7	2.3
04	6.3	5.4	5	4.5	4.4	3.7	
06	8.4	6.6	6	5.8			
12	14.5	12.2					
05	8.7	6.6	6.3	5.9	5.7	5.5	4.9
08	14.7	8.7	8.6	8.1	7.8	7.7	
16	23.6	18.8	16.4				
24	27.5	24.2					

CKS series electromagnetic diaphragm metering pump model definition

Series ☐ Flow ☐ Hydraulic end ☐ Interface ☐

Series

Encoding	Description
CKSS	Manual control series
CKSP	Manual/digital pulse signal control series, with liquid level interface
CKSZ	Manual/4-20mA signal control series, with liquid level interface

Mechanical Diaphragm Metering Pump

Model	Maximum flow (L/h)	Maximum pressure (bar)	Stroke frequency	Voltage (V)	Frequency (Hz)	Motor power (W)	Exhaust word (OVC hydraulic end only)
CKSS03	2.3	10	360	100-240AC	50/60	20	✓
CKSP03							
CKSZ03							
CKSS04	4.4	7					
CKSP04							
CKSZ04							
CKSS06	6	4					×
CKSP06							
CKSZ06							
CKSS12	12.2	2					
CKSP12							
CKSZ12							
CKSS05	4.9	10				24	✓
CKSP05							
CKSZ05							
CKSS08	7.8	7					
CKSP08							
CKSZ08							
CKSS16	16.4	4					×
CKSP16							
CKSZ16							
CKSS24	24.2	2					
CKSP24							
CKSZ24							

Material of main components of liquid end

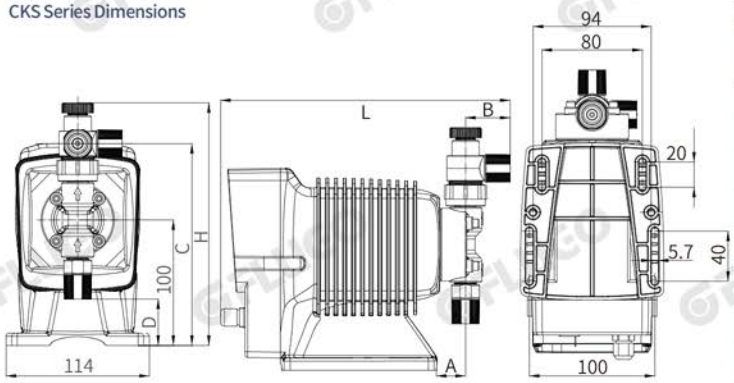
CKSS, CKPS/CKSZ								
Number	Hydraulic end material	Valve ball	Seat	Valve sleeve	O-ring	Gasket	Diaphragm	Applicable medicine
P	PVC	Ceramics	FPM	PVC	FPM	PTFE	PTFE+EPDM	Acidic solution Alkaline
		Ceramics	EPDM		EPDM			Solution Strong
T	PVDF	Ceramics	PTFE	PVDF	PTFE			Acid, Concentrated acid
S	316	316	316	316				Organic solvent

Connector

Encoding	Description	Model	PVC hydraulic end		PVDF hydraulic end		316 hydraulic ed
			Import	Export	Import	Export	
R	Hose interface	03-08	PVC hose 4x6 •	Pe hose 4x6 •	Tetraoxygen hose 4x6 •		------
		12-24	PVC reinforced hose 8x13 •		Tetraoxygen hose 8x10 •		
P	Threaded interface	03-24	------ ------				NPT 1/4"F

• Each tube length is 3 meters/root; each set of bottom valve/injection valve

CKS Series Dimensions



Front view　　Side view　　Bottom view

CKS series installation dimensions

Model	H(mm)	L(mm)	A(mm)	B(mm)	C(mm)	D(mm)	Interface
03	193	230	23	35	160	37	Φ4×6
04							
05							
06							Φ4×6
08							
12	182	214	25	17	------	20	Φ8×13
16							
24							

Note : This size only applicable to PVC material hydraulic end tickets, PVDF and 316 material dimensions, please contact our company.

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