

Desktop Filling System

3 years warranty



KF300 Plus/4KFU1 Plus/Minipump

3 years warranty



KF300 Plus/4KFU3 Plus/Handypump

3 years warranty



KF300 Plus/4KFU2 Plus/KT15

Features

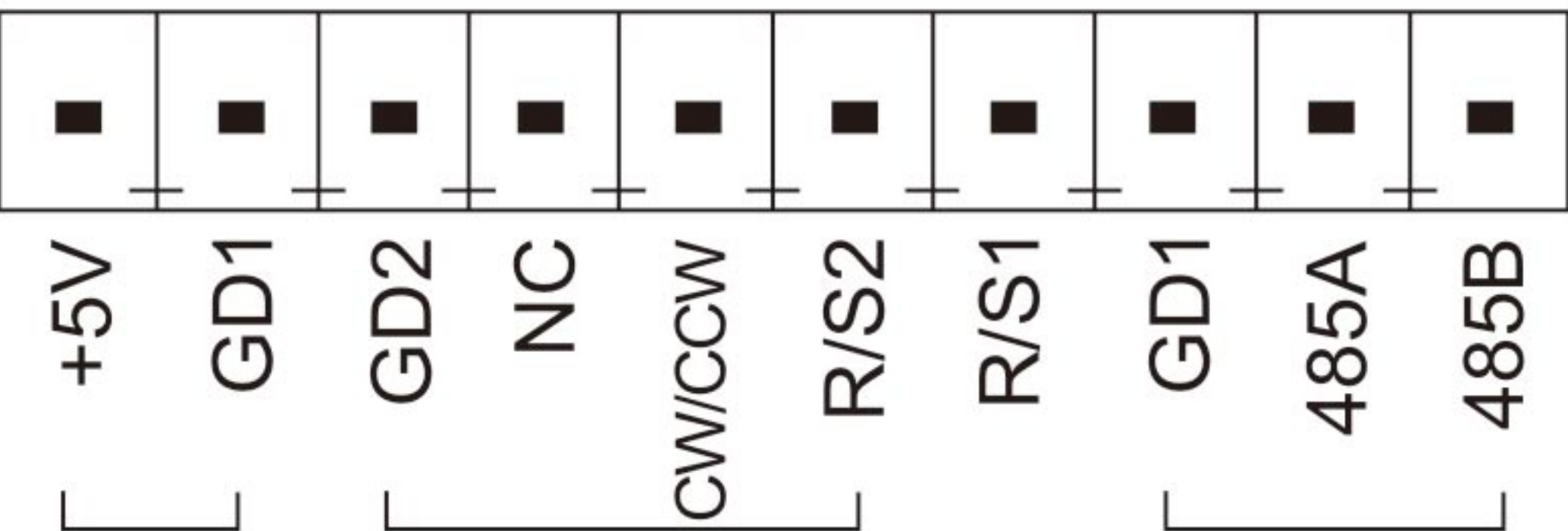
- Integrated design, a controller can control 1-32 units.
- Compact structure, compact size, beautiful appearance and saving space
- Suitable for high precision micro liquids filling in laboratory.

Model Number | KF300 Plus Series

Typical Application

- Laboratory liquid distribution
- Diagnostic reagent components
- Medium dispensing

External Control Schematic Diagram



Technical Specifications			
Speed range	KF300 Plus/4KFU1 Plus/Minipump:0.1-300 rpm	Keypad lifetime	300,000 times
	KF300 Plus/4KFU3 Plus/Handypump:0.1-300 rpm	Control mode	Touch screen and Mechanical keypad
	KF300 Plus/4KFU2 Plus/KT15:0.1-350 rpm	Start/stop, direction signal	Passive switch signal, such as :foot pedal switch; Active switch signal, 5-24V universal
Filling volume	0.01-9999.99 ml		
Dispensing time	0.1-9999.99 s		
Interval time	0.1-9999.99 s	Output interface	Output motor working status (Open-collector output)
Volume resolution	0.01 ml		
Time resolution	0.01 s	Communication interface	RS485 support Modbus protocol (RTU mode)
Copy numbers	1-9999 times,0 represent unlimited		
Back suction angle	0-3600°	Power supply	AC 100V-240V(50Hz/60Hz)
Filling accuracy	<±0.5%		
Filling units	1-32 units	Condition Temperature	0-40℃
Display	4.3"Industrial grade –color LCD display	Relative humidity	<80%

Experimental conditions:standard atmospheric pressure, room temperature at 20℃,the liquid is pure water, no pressure, no suction and lift.

Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

KF300 Filling Volume Reference Parameter(Media is water)								
Drive	Pump Head	Tubing	mL/r	Filling Volume (mL)	Filling Time(s)	Filling Accuracy (±%)	Output(pcs/min)	Motor Speed(rpm)
KF300 Plus	MiniPump	13 [#]	0.027	0.06	0.8	3	33	166.67
		13 [#]	0.027	0.1	1	2	30	222.22
		13 [#]	0.027	0.2	2	0.8	20	222.22
		14 [#]	0.114	0.8	1.5	0.8	24	280.70
		14 [#]	0.114	1	2	0.5	20	263.16
		19 [#]	0.248	2	2	0.5	20	241.94
		16 [#]	0.377	3	2	0.5	20	238.73
	KT15	14 [#]	0.156	1	1.5	1	24	256.41
		14 [#]	0.156	2	3	0.5	15	314.69
		19 [#]	0.286	3	2	0.8	20	314.47
		16 [#]	0.477	5	2	0.8	20	225.08
		25 [#]	0.933	7	2	1	20	241.94
	HandyPump (6 rollers)	13 [#]	0.031	0.05	0.4	3	43	241.94
		13 [#]	0.031	0.1	0.8	2	33	258.06
		13 [#]	0.031	0.2	1.5	1	24	353.77
		13 [#]	0.031	0.5	3	0.5	15	322.58
		14 [#]	0.126	1	1.5	0.8	24	317.46
		19 [#]	0.215	2	2.5	0.5	17	223.26
		16 [#]	0.345	3	2	0.5	20	260.87
	HandyPump (3 rollers)	13 [#]	0.033	0.2	1.5	1	24	242.42
		14 [#]	0.187	1.5	2	0.8	20	240.64
		19 [#]	0.371	3	2	0.5	20	242.59
		16 [#]	0.636	5	2	0.8	20	235.85
		25 [#]	1.219	10	2	0.5	20	246.10

