

UTF01 Smart filling system



Typical Application: Food, beverage, pharmaceutical, chemical, biopharmaceutical and other industries

- The main controller adopts 7-inch or 10-inch, industrial touch screen, easy to operate
- The main body adopts stainless steel shell, which has high strength, corrosion resistance and easy cleaning
- The standard drive unit is 4 channels, which can be expanded up to 32 channels by stacking installation
- When receiving a bottle shortage signal, the system will stop the filling operation of the channel
- Improved system security
- It has three operation modes: internal control, external control and communication control to meet different application requirements



Max Flow : 4560mL/min








Max speed : 600rpm

Performance

Filling volume	0.1mL-9999.99mL/time	Display adjustment resolution: 0.01mL
Filling time	0.1-9999.9s/time	Display adjustment resolution: 0.1s
Intervals	0.2-9999.9s/time	Display adjustment resolution: 0.1s
Filling times	0-9999 times	"0" means infinite loop
Suction angle	0-7200°	Display adjustment resolution: 1°
Suction speed	0-300rpm	Display adjustment resolution: 1rpm
Suction back delay	0s-60s	Display adjustment resolution: 0.1s
Channels	4 channels/unit (standard) 2 3 4 5 6 channels/unit (optional)	Expandable up to 32 channels

Pump head flow parameter table

Pump head	Hose Specifications	ID(mm)	Wall thickness(mm)	Max flow(mL/min)	Max speed(rpm)
 DG-N(6)	0.5*0.8	0.5	0.8	2	100
	1*1	1	1	6	
	2*1	2	1	19	
	2.4*0.8	2.4	0.8	24	
	3*1	3	1	36	
 DG-N(10)	0.5*0.8	0.5	0.8	1.5	
	1*1	1	1	4	
	2*1	2	1	13	
	2.4*0.8	2.4	0.8	17	
	3*1	3	1	27	

Pump head	Hose Specifications	ID(mm)	Wall thickness(mm)	Max flow(mL/min)	Max speed(rpm)
 YZ1515x	13#	0.8	1.6	42	600
	14#	1.6	1.6	162	
	19#	2.4	1.6	306	
 YZ15m /YZ15ma	16#	3.1	1.6	492	
	25#	4.8	1.6	1020	
	17#	6.4	1.6	1740	
	18#	7.9	1.6	2280	
 YZ2515x	15#	4.8	2.4	1020	
	24#	6.4	2.4	1740	
 YZ25m /YZ25ma	15#	4.8	2.4	1020	
	24#	6.4	2.4	1740	
	35#	7.9	2.4	2280	
	24#	9.6	2.4	3000	
 TX315	13#	0.8	1.6	28	400
	14#	1.6	1.6	96	
	19#	2.4	1.6	208	
	16#	3.1	1.6	384	
	25#	4.8	1.6	832	
	17#	6.4	1.6	1360	
	18#	7.9	1.6	1920	
 TX325	15#	4.8	2.4	760	
	24#	6.4	2.4	1230	
 LP15-6	13#	0.8	1.6	84	
	14#	1.6	1.6	324	
	19#	2.4	1.6	612	
	16#	3.1	1.6	984	
	25#	4.8	1.6	2040	
	17#	6.4	1.6	3480	
	18#	7.9	1.6	4560	

Test conditions:

- 1.Flow data testing environment for room temperature 20-25 °C, relative humidity is not more than 80%, altitude is not more than 1500 meters.
- 2.The test is measured using a straight-through tube, suction range of 0.5 meters, the head is not more than 0.5 meters, the total length of the tube is not more than 1.5 meters (inlet end + outlet end + test end).

The above data test environment for normal temperature and pressure, the test fluid is water, the data is for reference only, please prevail in practice.

* For specific needs, please consult Chuangrui Company.