

HF-IF3

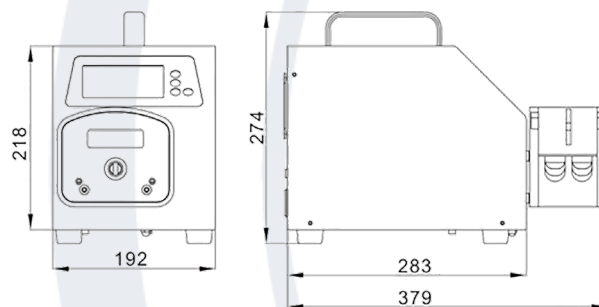


• Features

- Servo motor drive, high precision, low pulsation dispensing peristaltic pump.
- The low pulsation pump head is special for high precision filling. Through the phase difference between the two sets of rollers, make the fluid peaks and valleys complementary, the reduce the pulsation of the fluid.
- Adaptive pressure tubing space, extend the tubing lifetime effectively.
- Achieving high precision dispensing of micro flow rate.
- New flow rate mode, can be used for continuous transferring.

- Model Number HF-IF3

- Dimension Drawing (Unit: mm)



- Product Composition and Flow Rate Range

Drive	Motor Type	Pump Head	Tubing	Speed Range (rpm)	Flow Rate (ml/min)
HF-IF3	Servomotor	HF-DY15	13#, 14#, 19#, 16#, 17#, 18#	1-350	0.1~3337
		HF-DY25	15#, 24#, 35#, 36#		4.2~4340

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, 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 enviroment, etc. This data is for reference only.

HF-IF3

- Filling Volume Reference Parameter (Media is water)

Tubing	Filling Volume	Filling Time	Actual Filling Volume (ml)										Filling Accuracy (%)	
14#	0.5 ml	0.5 s	0.5003	0.5010	0.4982	0.5015	0.5015	0.5010	0.5014	0.5005	0.4981	0.4998	-0.37	0.32
			0.5025	0.5025	0.5024	0.5021	0.5020	0.5004	0.5005	0.4997	0.4977	0.5008		
14#	1 ml	1 s	1.0037	1.0000	1.0026	1.0003	1.0031	1.0015	1.0000	1.0007	1.0023	1.0035	-0.44	0.42
			1.0002	1.0020	0.9968	1.0010	0.9986	1.0026	1.0030	1.0029	1.0023	1.0017		
14#	2 ml	1 s	2.0020	2.0060	2.0039	2.0037	2.0047	1.9944	2.0062	2.0040	1.9951	2.0060	-0.58	0.60
			2.0036	1.9940	2.0024	2.0086	1.9946	2.0005	1.9951	2.0068	1.9971	1.9965		
19#	3 ml	1 s	3.0058	2.9935	3.0092	3.0008	2.9927	3.0072	3.0046	2.9914	3.0040	3.0000	-0.33	0.31
			2.9902	3.0048	3.0008	2.9919	2.9984	3.0012	3.0088	4.9915	2.9990	3.0051		
16#	5 ml	1 s	5.0215	4.9982	5.0145	5.0038	4.9864	5.0183	4.9962	5.0227	5.0158	4.9806	-0.39	0.50
			5.0248	5.0070	4.9861	5.0108	4.9995	5.0080	5.0044	4.9868	5.0231	4.9977		
25#	10 ml	1 s	10.02	10.04	10.00	9.98	10.02	10.03	10.04	10.04	10.01	9.99	-0.20	0.40
			10.00	10.02	10.02	10.04	9.99	9.98	10.00	10.04	10.02	10.03		
25#	15 ml	1 s	15.02	14.97	14.97	14.94	15.00	15.00	14.94	14.95	14.96	14.98	-0.47	0.13
			14.96	14.95	14.96	14.99	14.98	14.94	14.93	14.93	14.98	14.96		
17#	30 ml	1 s	29.92	30.01	29.99	29.91	29.83	29.86	29.91	29.91	29.91	29.89	-0.57	0.20
			29.88	29.96	30.03	30.06	30.02	30.02	30.06	29.96	29.96	29.83		
18#	100 ml	2.5 s	99.80	99.90	99.80	99.90	100.00	100.10	100.10	100.00	100.10	100.00	-0.20	0.30
			99.80	100.00	100.10	100.20	99.90	100.10	100.00	100.30	100.10	100.10		
15#	10 ml	1 s	9.97	10.01	9.96	9.98	10.01	9.96	9.97	9.99	9.96	9.96	-0.60	0.10
			10.00	9.94	9.97	10.00	9.96	9.97	10.00	10.00	10.01	9.97		
24#	30 ml	1 s	29.90	29.80	30.10	29.90	29.90	30.00	29.90	29.90	30.00	29.90	-0.67	0.33
			29.90	29.90	29.90	29.90	29.90	29.80	30.00	29.90	29.90	30.00		
35#	70 ml	1.2 s	69.80	69.90	69.90	69.90	69.70	70.10	70.00	69.70	69.90	69.90	-0.43	0.43
			69.90	70.10	70.00	69.90	70.30	69.70	70.10	69.70	69.70	69.90		
36#	100 ml	2 s	99.80	99.90	99.80	100.00	99.90	99.90	99.90	99.90	99.90	99.90	-0.20	0.10
			99.80	99.90	99.90	100.00	100.10	99.80	99.80	100.10	99.90	99.90		