

Ismatec® Fixed-Speed Rack-Mount Pumps



Minicassette design—fast tubing changes even when pump is running.

- Minicassette design offers quick and convenient tubing change—no need to stop pump to change tubing!
- Easily mount anywhere using the compact mounting rod
- A constant-speed, synchronous motor ensures a steady, repeatable flow rate
- Simple handling with automatic occlusion setting
- AC synchro motor allows for each pump to be manufactured to a specific voltage and frequency
- Three-position toggle switch runs pump in either direction
- Remote operation achieved by externally controlling the power supply status (ON : OFF)

Specifications

Motor type: synchronous motor, fixed speed

Protection rating: IP30

Dimensions:

2-channel: 125 x 88 x 135 mm

4-channel: 145 x 88 x 135 mm

Weight:

2-channel: 1.2 kg

4-channel: 1.3 kg

Power consumption: 8 W

What's included: MS/CA Click'n'go™ POM-C cassettes and mounting rod (14 x 0.5 cm)

Flow Ranges (mL/min per channel)



Model	MS-CA x/620	MS-CA x/820	MS-CA x/640	MS-CA x/840	MS-CA 2/660	MS-CA 2/860
No. of channels	2 or 4	2 or 4	2 or 4	2 or 4	2	2
No. of rollers	6	8	6	8	6	8
Speed (rpm)	20	20	40	40	60	60
Tube ID (mm)	Ismatec three-stop tubing					
0.13	0.028	0.021	0.055	0.43	0.083	0.064
0.25	0.10	0.08	0.19	0.16	0.29	0.24
0.51	0.38	0.34	0.77	0.67	1.2	1.0
0.76	0.84	0.73	1.7	1.5	2.5	2.2
1.02	1.5	1.3	2.9	2.5	4.4	3.8
1.22	2.0	1.8	4.1	3.5	6.1	5.3
1.52	3.0	2.6	6.0	5.1	9.1	7.7
1.85	4.2	3.5	8.4	7.0	13	10
2.54	6.6	5.5	13	11	20	16
3.17	8.5	7.1	17	14	26	21



Ordering Information



Model	Flow range (mL/min)	No. of channels	No. of rollers	Speed	Tubing accepted	Catalog number	
						115 VAC, 60 Hz	230 VAC, 50 Hz
MS-CA 2/620	0.028 to 8.5	2	6	20 rpm	Ismatec three-stop tubing	ISM844-115	ISM844-230
MS-CA 2/820	0.021 to 7.1		8			ISM847-115	ISM847-230
MS-CA 2/640	0.055 to 17		6	40 rpm		ISM845-115	ISM845-230
MS-CA 2/840	0.043 to 14		8			ISM848-115	ISM848-230
MS-CA 2/660	0.083 to 26		6	60 rpm		ISM846-115	ISM846-230
MS-CA 2/860	0.064 to 21		8			ISM849-115	ISM849-230
MS-CA 4/620	0.028 to 8.5	4	6	20 rpm	Ismatec three-stop tubing	ISM850-115	ISM850-230
MS-CA 4/820	0.021 to 7.1		8			ISM852-115	ISM852-230
MS-CA 4/640	0.055 to 17		6	40 rpm		ISM851-115	ISM851-230
MS-CA 4/840	0.043 to 14		8			ISM853-115	ISM853-230

IS3510A Replacement MS/CA Click'n'go tubing cassette, POM-C

IS3610A MS/CA Click'n'go tubing cassette, PVDF

POM-C = polyoxymethylene copolymer, PVDF = polyvinylidene fluoride

High-Pressure Applications?

Pumps are also available with pressure lever cassettes for applications at elevated differential pressure conditions (>1 bar). Contact our Application Specialists for information.

