



Improving your PERFORMANCE

## 323Du/MC4 Low-flow RS232/analogue/manual control microcassette pumps

### Caratteristiche

- RS232 serial communication
- High-performance microprocessor controlled pumps
- Flow rates from 2µl/min to 53ml/min per channel
- Precision digital speed control 1rpm steps from 3 to 110rpm
- Fitted with 314MC four-roller five channel microcassette pumphead
- Add one snap-fit 314MCX extension pumphead for ten channels of flow
- Digital TTL or remote switch inputs for run/stop and direction
- Rear panel 25D socket accepts analogue auto-control signal input for speed control 4-20mA, 0-10V
- High visibility digital display and keypad lock
- Compact design, chemical resistant case, contemporary styling
- Zero maintenance, quiet brushless DC motor
- MemoDose facility for accurate single shot dosing
- Auto-restart for mains failure recovery and timer control
- Uses colour coded, double segment manifold tubing



323Du/MC4



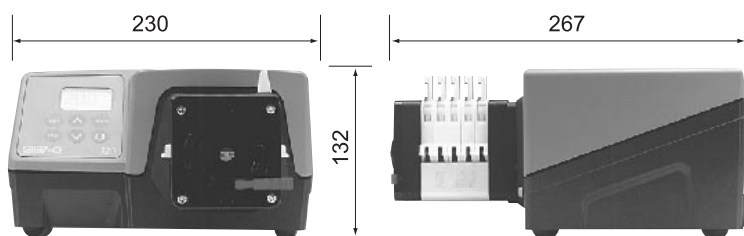
323Du/MC4 + 314MCX



Portate (ml/min)

Codice colore	Arancio/ Nero	Arancio/ Rosso	Arancio/ Blu	Arancio/ Verde	Arancio/ Giallo	Arancio/ Bianco	Nero/ Nero	Arancio/ Arancio	Bianco/ Bianco	Rosso/ Rosso	Grigio/ Grigio	Giallo/ Giallo	Giallo/ Blu
Diametro mm	0.13	0.19	0.25	0.38	0.50	0.63	0.76	0.88	1.02	1.14	1.29	1.42	1.52
3.0rpm	0.002	0.01	0.01	0.03	0.05	0.08	0.13	0.17	0.22	0.27	0.35	0.46	0.52
110rpm	0.09	0.3	0.5	0.9	1.7	3.1	4.6	6.4	8.1	9.9	13	17	19

Codice colore	Blu/ Blu	Verde/ Verde	Viola/ Viola	Viola/ Nero	Viola/ Arancio	Viola/ Bianco
Diametro mm	1.65	1.85	2.05	2.29	2.54	2.79
3.0rpm	0.60	0.76	0.90	1.1	1.3	1.4
110rpm	22	28	33	40	47	53



## 323Du/MC4 Low-flow RS232/analogue/ manual control microcassette pumps

Codici		
323Du 3.0-400rpm	drive only	036.3154.000*
314MC	four roller five channel pumphead	033.6453.000
314MCX	four roller five channel extension pumphead	033.6454.000

\*Sostituire l'ultimo 0 con **A, E o U** per rete elettrica **americana, europea o britannica**

Tubo				
Tubo Manifold per teste 314MC				
Codice colore	Dia. (mm)	Marpren* <sup>*</sup>	PVC	Silicone
Arancio/Nero	0.13		981.0013.000	
Arancio/Rosso	0.19		981.0019.000	
Arancio/Blu	0.25	979.0025.000	981.0025.000	
Arancio/Verde	0.38	979.0038.000	981.0038.000	
Arancio/Giallo	0.50	979.0050.000	981.0050.000	
Arancio/Bianco	0.63	979.0063.000	981.0063.000	983.0063.000
Nero/Nero	0.76	979.0076.000	981.0076.000	983.0076.000
Arancio/Arancio	0.88	979.0088.000	981.0088.000	983.0088.000
Bianco/Bianco	1.02	979.0102.000	981.0102.000	983.0102.000
Rosso/Rosso	1.14	979.0114.000	981.0114.000	983.0114.000
Grigio/Grigio	1.29	979.0129.000	981.0129.000	983.0129.000
Giallo/Giallo	1.42	979.0142.000	981.0142.000	983.0142.000
Giallo/Blu	1.52	979.0152.000	981.0152.000	983.0152.000
Blu/Blu	1.65	979.0165.000	981.0165.000	983.0165.000
Verde/Verde	1.85	979.0185.000	981.0185.000	983.0185.000
Viola/Viola	2.05	979.0205.000	981.0205.000	983.0205.000
Viola/Nero	2.29	979.0229.000	981.0229.000	983.0229.000
Viola/Arancio	2.54	979.0254.000	981.0254.000	983.0254.000
Viola/Bianco	2.79	979.0279.000	981.0279.000	983.0279.000

\* For autoclavable Marprene tubing, please replace last "0" with "\*" - for example 979.0238.00\*

Please state the product code when ordering pumps and tubing

### Specifiche

<b>Peso</b>	5.0kg
<b>Temperatura lavoro</b>	5°C to 40°C
<b>Massima</b>	<70dBA at 1m
<b>Control ratio</b>	3-110rpm
<b>Standards</b>	CE, BS0800, IEC335-1, EN60529 (IP31)
<b>Alimentazione</b>	1ph, 100-120V, 220-240V 50/60Hz, 100VA

### Testa

<b>Drive</b>	
<b>Drive base</b>	Powder coated aluminium casework
<b>Drive top</b>	Self-coloured ABS plastic

### Pumphead

**Cassettes** Acetal copolymer-Kematal (PVDF optional)

**Fixings** Stainless steel pins

**Mounting plate, front and rear** Glass filled Nylon

**Pumphead cradle** Aluminium extrusion, anodised

**Rollers** MoS2 filled Nylon 6 (Nylatron)

**Rotor spindle carriers** Machined aluminium

**Spindles** Stainless steel

**Fixings** Stainless steel

**Sealed bearings** Carbon steel



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