

High Pressure HPLC Pump Carino 09



Features

- 2 pump head sizes 1ml/min up to 50ml/min
- 3 pressure versions of 150, 400, and 600bar
- Compact, space and investment saving design
- 20 saved programs

Specifications

Pump type	C09/...			C09/...			C09/...		
	5-150	5-400	5-600	5-150	5-400	5-600	10-150	10-400	10-600
Construction	1 working piston			1 Working- + 1 auxiliary piston			2 working pistons		
Max. metering capacity (ml/min)	5.0	5.0	5.0	5.0	5.0	5.0	10.0	10.0	10.0
Min. metering capacity (µl/min) *	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Min. metering capacity (µl/min) **	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Max. pressure outlet (bar)	150	400	600	150	400	600	150	400	600
Stroke volumen (µl)	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
Stroke (mm)	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Piston diameter (mm)	3.176	3.176	3.176	3.176	3.176	3.176	3.176	3.176	3.176
Min. stroke duration (sec.) (10µl/min)	0.85	0.85	0.85	0.85	0.85	0.85	0.43	0.43	0.43
Max. stroke duration (sec.) (10µl/min)	428	428	428	428	428	428	428	428	428
Max. suction lift (m)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Max. viscosity (mPas)	100	100	100	100	100	100	100	100	100
Pressure sensor	yes	yes	yes	yes	yes	yes	yes	yes	yes
Flow rate accuracy (%)	< 1% (2 ml/min and 12 MPa)								
Repeat accuracy (%)	< 0.1% (2 ml/min and 12 MPa)								
Pulsation	frequency dependent			< 0.5% (1ml/min and 12 MPa)					
Max. fluid temperature	60°C (140°F)								
Ambient temperature	40°C (104°F)								
Material pump head	Stainless steel, Hastelloy, titanium, PEEK								
Material valves	sapphire								
Control	"RS 232, LAN, analoge Interface 0-10 V / 4-20mA, Start/Stop 85 - 260 V								
Input voltage V									
Power consumption enclosure class	30W	30W	30W	50W	50W	50W	50W	50W	50W
Max. dimensions (LxBxH)	250 x 260 x 100 mm								
Weight incl. pressure sensor (kg)	4	4	4	5	5	5	5	5	5