

IOTA 50,300

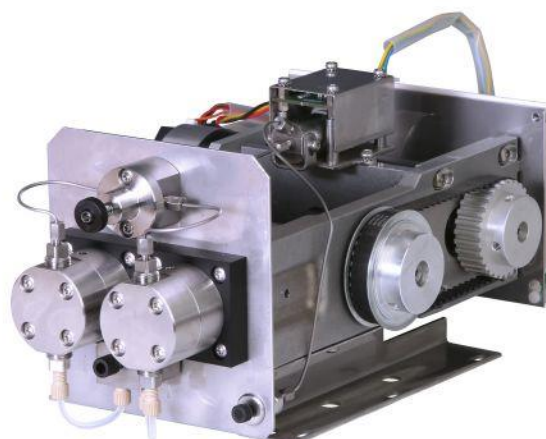
PREPARATIVE PUMPS

Is a series of three pumps with a flow-rate range up to **50 and 300 ml/min**. They have two pistons connected in parallel, with diameter of 3/8". They are suited for preparative and flash applications in liquid chromatography but also for solvent pressurizing by samples extractions, etc. Beneficiary is also a **very stable run even at low flow rates**.

These pumps are designed as **OEM / built-in units**.

There is a possibility to use these pumps even at **high pressure gradient mode**, where are two, three or four units controlled from PC using RS232.

Control board is mounted at the unit back side therefore the installation is very easy. Only connect power voltage and RS232 and pump is ready to work.



When working with buffered solvents, it is possible to use pistons **back washing**.

Pumps are supported with software **ECOMAC** and **Clarity**.

IOTA PUMPS are equipped with pressure sensor.

SPECIFICATION

	IOTA 50	IOTA 300
Part number	PYF0000X	PY00000X
Flow rate	0.1 – 50 ml/min	1 – 300 ml/min
Maximum operating pressure	30 MPa (4351 PSI)	7.5MPa (1015 PSI)
Precision of pressure measurement	± 1%	
Flow rate setting	1 ml/min steps	
Repeatability of flow rate adjusting	± 1%	
Accuracy of flow rate setting	± 2%	
Upper pressure limit (MPa)	0.1 – 30 (5800 PSI)	0.1 – 7.5(1015 PSI)
Wetted materials	stainless steel, PEEK, ceramic, seals*	
Control	RS232	
Power supply	24 – 36 V DC	
Power input	100 W	150 W
Dimensions (W x H x D)	212 x 153 x 338 mm	
Weight	7 kg	8 kg
Output capillary outer diameter	1/16"	1/8"
Input tubing outer diameter	1/8"	3/16"

* all pumps are delivered with GFP (PTFE) seals a default, optional is UHMW-PE seals, ask for more information.