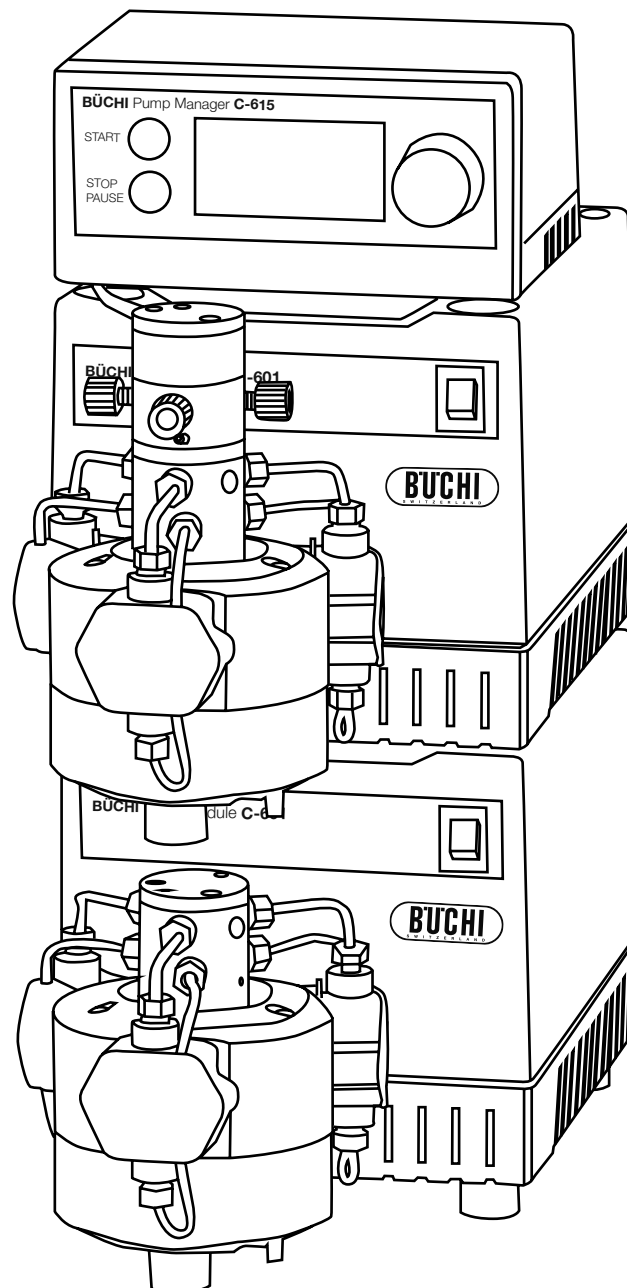




Sepacore® «Easy» purification systems

Technical data sheet

Sepacore® «Easy Synthesis» and «Easy Extract» purification systems are designed for gradient separations up to 10 bar (145 psi) or 50 bar (725 psi). They enable a fast operation and easy programming. A large graphical display allows a quick and easy set up. It fits perfectly for plastic cartridges or glass columns for product amounts up to several hundred grams.



Scope of delivery

Components	Easy Synthesis	Easy Extract
C-615 Pump Manager	1	1
C-601 Pump	2	-
C-605 Pump	-	2
Stand for pump module	1	-
Injection valve	1	-
6-way injection unit single	-	1
Sample Loop 20 mL	-	1
Cartridge holder	1	-
Set Luer Adapter male / female	1	-
Set Sepacore Flash Cartridges	1	-

Order code

1 1 0 5 9 7 9 2

Easy Synthesis Purification System

1 1 0 5 9 7 9 3

Easy Extract Purification System

Dimensions and weight

	Dimensions (W × H × D)	Weight
2 × Pump Module C-601 / 605	160 × 295 × 305 mm	8 kg
Pump Manager C-615	150 × 80 × 120 mm	< 1 kg

Technical data

C-601 / C-605

Connection voltage	100 – 230 V ± 15 %
Frequency	50/60 Hz
Power consumption	max. 75 W
Degree of protection	IP20
Overvoltage category	II
Pollution degree	2
Function	3 – piston pump chemically inert and biocompatible
Pressure range	0 – 10 bar (0 – 145 psi) or 0 – 50 bar (0 – 725 psi)
Pump Type	Radially arranged 3 – piston pump
Flow rate	2.5 mL/min – 250 mL/min
Flow rate accuracy	+/- 2 % of the set flow rate, calibration option for specific solvents and temperatures
Reproducibility	+/- 0.5 % of the set flow rate
Material in contact with solvent	PEEK, sapphire, ceramic, FEP, ruby
Pump head	Integrated piston back flushing
Languages	en / de / fr / it / es / ja

Environmental conditions

Temperature	5 – 35 °C for indoor use only
Altitude	up to 2000 m
Humidity	maximum relative humidity 80 % for temperature up to 31 °C, and then linearly decreasing to 50 % at 40 °C

C-615

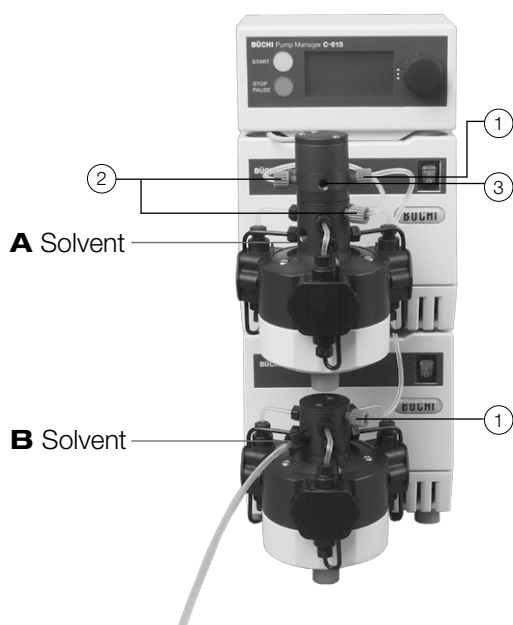
Connection voltage	24 V DC
Interfaces	1 × RS232 (process data output) 1 × Mini DIN (TTL in/out for alarm supervision and/or extern. start) 1 × Mini DIN (pressure sensor) 2 × Mini DIN (optional level sensor) 2 × Mini DIN (solvent valves)
Gradient function	from 0 % – 100 % B for total flow rate of 2.5 – 250 mL, linearity ± 2 %
Display	LCD display, 128 x 64 pixels (58 x 29 mm):
Dialog languages	en / de / sp / fr / it / jp / cn

Accessories

	Order number
Solvent valve set	044854
System stand for pump module	044855
Tubing fitting set	044021
Injection valve	044850
Single 4-way injection / purge device	054288
Single 6-way injection unit	054284
Sample loop 5 mL	045222
Sample loop 20 mL	044852
Sample loop 100 mL	044853
Solvent level sensor	045285
Pump Controller C-610	054111
Pump Manager C-615	054115
Column Module	054293

Functional principle

The use of two pump modules enables the formation of a binary gradient. The solvents enter the pump heads via the aspiration tubing (input) (solvent A and B). The FEP tubing guides the solvent to the mixing chamber with integrated pressure sensor and from there via the injection system on to the column via the pressure tubing (output). The Pump Manager C-615 regulates the flow rate of the pump modules 1 and 2 and monitors the current pressure. The maximum pressure for Pump Module C-601 is 10 bar (145 psi) and for Pump Module C-605 50 bar (725 psi). In addition, a variety of programs and settings enables the selection of flow rate, pressure, time and gradient of the solvents.



A Solvent: aspiration tubing (input)

B Solvent: aspiration tubing (input)

① connection between pump 1 and 2

② connection between pump and mixing chamber

③ output to cartridge or waste