

Recirculating Chiller Line



Solutions from one source – from the market leader in rotary evaporators

The most common coolant used in laboratories is mains tap water. However, water can be an expensive resource yet frequently it ends up going straight down the drain. Also, it is not a medium that can give reproducible results because of fluctuations in the ambient temperature. Unlike mains water, modern recirculating chillers are economic and sustainable and ensure constant, reproducible cooling conditions regardless of the time of year or the ambient temperature. If you're looking for the optimum, cost-efficient solution for your lab, you'll choose a chiller from Buchi.



Advantages

- Optimally suited for use with one or two bench-top rotary evaporators or a 20 L rotary evaporator
- Environmentally friendly and economic by saving up to 300 litres of mains water a day when used in conjunction with a rotary evaporator
- Higher process safety and lower solvent emissions due to the constant, low cooling temperature
- Essential functionality for a really attractive price
- Robust design in stainless steel housing for use in harsh lab environments

The approved Recirculating Chillers of the Buchi Chiller Line

B-740/8: The compact and robust B-740/8 Recirculating Chiller has a cooling capacity of 800 W at 15 °C, and enables the cooling temperature to be varied from –10 °C to 40 °C.

B-740/14: This larger model, with a cooling capacity of 1400 W at 15 °C, is ideal if you also need more power at lower temperatures. It has a temperature range from –10 °C to 40 °C.

B-740/25: The B-740/25 Recirculating Chiller, with a cooling capacity of 2.5 kW at 15 °C, is ideal for cooling a large-scale rotary evaporator such as the Rotavapor R-220.

Multistat: If you are doing synthesis work using Syncore equipment, it is an advantage to be able to select and set a wide range of temperatures quickly and easily. This is where the Multistat comes in: with a cooling capacity of 300 W at –20 °C and a heating capacity of 1800 W, the Multistat is the real all-rounder in our Recirculating Chiller range.

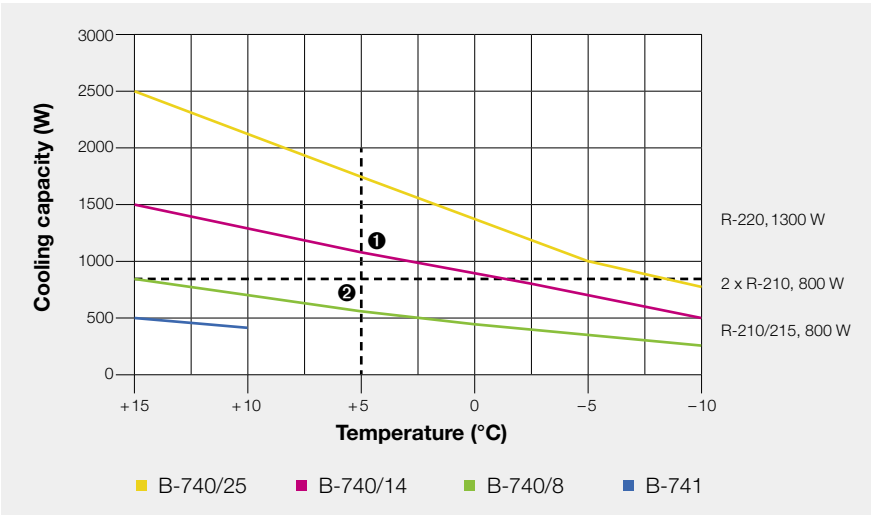
The New Distillation Chiller B-741 – as easy to use as tap water

The Distillation Chiller B-741 is a cost-efficient and basic instrument of the Buchi Chiller Line. It cools to a fixed temperature of 10°C, and is ideal for use with one rotary evaporator. The compact design and fitted castors also make it very easy to move around. Why invest more if you don't need to?



The instruments of the Buchi Chiller Line are optimally suited to different operating conditions. Choose the right recirculating chiller for your equipment and process requirements.

		Model				
		Rotavapor 1l R-210/215	Rotavapor 1l 2 x R-210/215	Rotavapor 20l R-220	Syncore	Extraction System B-811
Temperature range	-40°C to -10°C				Multistat	
	-10°C to 0°C	■ B-740/14	■ B-740/25			
	0°C to 10°C	■ B-740/8	■ B-740/14	■ B-740/25	■ B-740/14	■ B-740/8
	10°C to 20°C	■ B-741	■ B-740/8		■ B-740/8	■ B-741
	Heating				Multistat	
		Auto Kjeldahl K-370				



Order information

Distillation Chiller B-741



Order no.
230 V 50/60 Hz 046770
120 V 60 Hz 046772

Recirculating Chiller B-740/8



Order no.
230 V 50 Hz 037740

Recirculating Chiller B-740/14



Order no.
230 V 50/60 Hz 037741

Recirculating Chiller B-740/25



Order no.
230 V 50 Hz 040300

Multistat



Order no.
230 V 50 Hz 041830

Distribution head for connecting two rotary evaporators to one chiller.

Order no. 037742

Technical data

Buchi Chiller Line	B-741	B-740/8	B-740/14	B-740/25	Multistat
Temperature range	10 °C	-10 °C to 40 °C	-10 °C to 40 °C	-10 °C to 40 °C	-40 °C to 150 °C
Coolant	R 134a	R 134a	R 134a	R 134a	R 507
Pump capacity	2.5 l/min. at 0.6 bar	3 l/min. at 0.6 bar	11 l/min. at 1 bar	11 l/min. at 1 bar	3 l/min.
Tank volume	3 l	5 l	5 l	20 l	14 l
Cooling capacity	500 W at 15 °C	800 W at 15 °C	1400 W at 15 °C	2500 W at 15 °C	300 W at -20 °C
W x H x D (cm)	28 x 55 x 36	45 x 57 x 40	45 x 67 x 40	45 x 110 x 55	41 x 70 x 46
Ambient temperature	15 °C to 32 °C*	15 °C to 32 °C*	15 °C to 32 °C*	15 °C to 32 °C*	15 °C to 32 °C*
Weight	26 kg	38 kg	40 kg	72 kg	45 kg
Hose connection (outer diameter)	9.5 mm	9.5 mm	13.5 mm	13.5 mm	13.5 mm

* Testet up to 38 °C, but cooling capacity reduced at higher temperatures.

BÜCHI Labortechnik AG
Postfach
9230 Flawil 1
Schweiz
T +41 71 394 63 63
F +41 71 394 65 65
buchi@buchi.com
www.buchi.com

BÜCHI Labortechnik GmbH
Postfach 10 03 51
45003 Essen
Deutschland
Freecall 0800 414 0 414
T +49 201 747 490
F +49 201 237 082
deutschland@buchi.com
www.buechigmbh.de

BÜCHI Labortechnik GmbH
Branch Office Netherlands
Postbus 142
3340 AC Hendrik-Iso-Ambacht
The Netherlands
T +31 78 684 94 29
F +31 78 684 94 30
netherlands@buchi.com
www.buchi.nl

BÜCHI Italia s.r.l.
Centro Direzionale, Milano Fiori
Pal. A-4, Strada 4
20090 Assago (MI)
Italia
T +39 02 824 50 11
F +39 02 57 51 28 55
italia@buchi.com
www.buchi.it

BUCHI India
Private Ltd.
201, Magnum Opus
Shantinagar Industrial Area
Vakola, Santacruz (East)
Mumbai 400 055,
India
T +91 22 667 18983 / 84 / 85
F +91 22 667 18986
www.buchi.com

BUCHI (Thailand) Ltd.,
77/175, Sin Sathon Tower,
39th FL, Unit F
Krunghthonburi Rd.
Klongtong, Klongsan
Bangkok 10600
Thailand
T +66 2 862 08 51
F +66 2 862 08 54
bacc@buchi.com
www.buchi.com

BUCHI Corporation
19 Lukens Drive, Suite 400
New Castle
Delaware 19720
USA
T +1 302 652 3000
F +1 302 652 8777
Toll Free: +1 877 692 8244
us-sales@buchi.com
www.mybuchi.com

BUCHI Hong Kong Ltd.
1810 Fortress Tower
250 King's Road
North Point, Hong Kong
China
T +852 2389 2772
F +852 2389 2774
china@buchi.com
www.buchi.com.cn

BUCHI Shanghai Trading LLC
21/F Shanghai Industrial
Investment Building
18 Caoxi Bei Road
200030 Shanghai
China
T +86 21 6468 1888
F +86 21 6428 3890
china@buchi.com
www.buchi.com.cn

BUCHI UK Ltd
5 Whitegate Business Centre
Jardine Way
Chadderton
Oldham OL9 9QL
United Kingdom
T +44 161 633 1000
F +44 161 633 1007
uk@buchi.com
www.buchi.co.uk

BUCHI Srl
5, rue du Pont des Halles
Z.A. du Delta
94656 Rungis Cedex
France
T +33 1 56 70 62 50
F +33 1 46 86 00 31
france@buchi.com
www.buchi.fr

Nihon BUCHI K.K.
3F IMON Bldg.,
2-7-17 Ikenohata, Taito-ku,
Tokyo 110-0008
Japan
T +81 3 3821 4777
F +81 3 3821 4555
nihon@buchi.com
www.nihon-buchi.jp

We are represented by more than 100 distribution
partners worldwide. Find your local representative at
www.buchi.com

Quality in your hands