

Technical data sheet

Interface I-80 / I-180

The Interface I-80 / I-180 is the optimal solution for economical vacuum regulation. The I-80 is used for manual vacuum control and a suitable option for basic needs. The I-180 automatically controls the vacuum and has one central button with which all major parameters can be set.



Interfaces comparison

Specification	Interface I-80	Interface I-180
Pump control	Manual	Automatic
Vacuum control	Pump speed and needle valve	Pressure set, continuous
Leak test	No	Yes
Installation	Rotavapor® R-80 Vacuum Pump V-80 / V-180 Laboratory stand	Rotavapor® R-80 Vacuum Pump V-80 / V-180 Laboratory stand

Scope of delivery

All configurations are supplied ready to use.



NOTE

The scope of delivery depends on the configuration of the purchase order.

Accessories are delivered as per the purchase order, order confirmation, and delivery note.

Order code

Choose the configuration according to your needs:

Interface I-80

1 1 1 0 8 0

Interface for house vacuum with Rotavapor®

0 Including communication cable, Woulff bottle and tubing

Interface for Vacuum Pump V-80 / V-180

1 Including communication cable and holder (to mount interface on vacuum pump)

Interface stand-alone

2 Including power pack

Interface I-180

1 1 1 1 8 0

Interface for house vacuum with Rotavapor®

0 Including communication cable, Woulff bottle with valve unit and tubing

Interface for Vacuum Pump V-80 / V-180

1 Including communication cable and holder (to mount interface on vacuum pump)

Interface stand-alone

2 Including power pack

Interface for I-100 replacement

3 Including tubing and adapter cable to power I-180 with I-100 power-supply

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Technical data

Interface I-80 / I-180

Specification	Interface I-80	Interface I-180
Dimensions (W × D × H)	95 mm × 103 mm × 103 mm	89 mm × 103 mm × 103 mm
Weight	370 g	350 g
Connection voltage	30 VDC +5% / -15%	30 VDC +5% / -15%
Magnetic valve supply	-	24 V
Power consumption	5 W	5 W
Regulating range	none	Ambient – 0 mbar
Measurement range	1,400 – 0 mbar	1,400 – 0 mbar
Measurement accuracy	± 2 mbar (after calibration at constant temperature)	± 2 mbar (after calibration at constant temperature)
Vacuum connection	GL 14	GL 14
IP Code	IP44	IP44
Minimum clearance on all sides	none	none
Display type	3" Dark segment display	3" Dark segment display
Certificate	CB, CE, UL/CSA	CB, CE, UL/CSA

Ambient conditions

For indoor use only.

Specification	Value
Max. altitude above sea level	2,000 m
Ambient and storage temperature	5 – 40 °C
Max. relative humidity	80% for temperatures up to 31 °C decreasing linearly to 50% relative humidity at 40 °C

Spare parts and accessories

Use only genuine BUCHI consumables and spare parts in order to ensure correct, safe and reliable operation of the system.



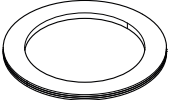
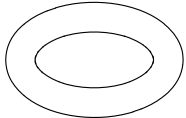
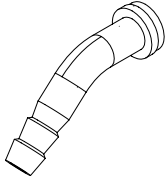
NOTE

Any modifications of spare parts or assemblies are only allowed with the prior written permission of BUCHI.

Spare parts

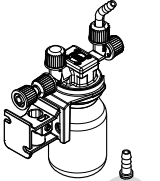
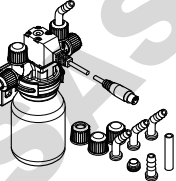
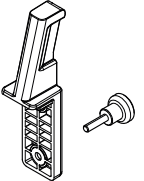
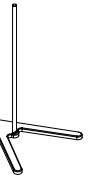
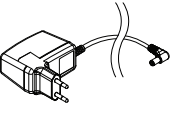

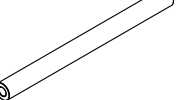
	Order no.	Image
Navigation control knob	11074581	
Receiving vessel, GL 40, 125 mL, P+G For Woulff bottle	047233	
Woulff bottle holder	11075161	

Wear parts

	Order no.	Image
Seal Woulff bottle	047165	
O-ring Needle valve, NBR	003560	
Hose barb, bent, GL 14, incl. silicone seal	018916	

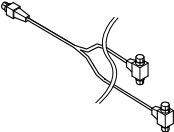
	Order no.	Image
Hose barbs, set. 2 pcs, bent (1), straight (1), GL 14, silicone seal Content: Hose barbs, cap nuts, seals	041939	
Hose barbs, set. 3 pcs, bent, GL 14, silicone seal Content: Hose barbs, seals.	041987	
Hose barbs, set. 4 pcs, bent GL 14, silicone seal Content: Hose barbs, cap nuts, seals	037287	
Hose barbs, set. 4 pcs, bent, GL 14, EPDM seal Content: Hose barbs, cap nuts, seals.	043129	
Hose barbs, set. 4 pcs, bent, GL 14, FPM seal Content: Hose barbs, cap nuts, seals.	040295	
Hose barbs, set. 4 pcs, straight, GL 14, EPDM seal Content: Hose barbs, cap nuts, seals.	043128	
Hose barbs, set. 4 pcs, straight, GL 14, FPM seal Content: Hose barbs, cap nuts, seals.	040296	
Hose barbs, set. 4 pcs, straight, GL 14, silicone seal Content: Hose barbs, cap nuts, seals	037642	
Hose barbs, set. 6 pcs, bent (4), straight (2), GL 14, silicone seal Content: Hose barbs, cap nuts, seals.	038000	

Accessories

	Order no.	Image
<p>Woulff bottle, 125 mL, P+G, incl. holder</p> <p>For trapping particles and droplets and for pressure equalization.</p>	11075622	
<p>Valve unit, Woulff bottle, 125 mL, P+G, incl. holder</p> <p>Non-return valve and condensate trap</p>	11075630	
<p>Interface holder</p> <p>To install the Interface I-80 / I-180 on the Vacuum pump V-80 / V-180</p>	11075588	
<p>Stand. V stand with rod, 600 mm</p> <p>Used as a holder for interface when it cannot be mounted on an instrument.</p>	048891	
<p>Power adapter. 30 V, 30 W, frequency 50/60 Hz</p> <p>In combination with Mini-DIN to DC-Jack adapter to power the interface.</p>	11060669	
<p>Mini-DIN to DC-Jack, 300 mm</p>	11062266	
<p>Tubing, synthetic rubber, Ø6/13 mm, black, per m</p> <p>Use: Vacuum</p>	11063244	

Communication cable

	Order no.	Image
<p>Communication cable. BUCHI COM, 0.3 m, 6p</p>	11058705	

	Order no.	Image
Communication cable. BUCHI COM, 0.9 m, 6p	11070540	
Communication cable. BUCHI COM, 1.8 m, 6p	11058707	
Communication cable. BUCHI COM, 5.0 m, 6p	11058708	
Communication cable. BUCHI COM, 15 m, 6p	11064090	
Communication cable. Mini-DIN, Y-piece, with double-sided connectors, 2 m To connect 2 Rotavapor® systems with valve unit to 1 vacuum pump	11080283	

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