

# Multivapor™ Technical data sheet

The Multivapor<sup>™</sup> is a compact 6 or 12 position parallel vortex evaporator, designed to optimize existing personal process workflows. Achieves high efficiency for multiple sample evaporation at an impressive small footprint and an easy operation.



# Scope of delivery

		Multiva	apor™	
Components	P-6	P-12	P-6 stand alone	P-12 stand alone
Crystal rack	P-6 removable	P-12 removable	P-6 removable	P-12 removable
Vacuum cover	P-6	P-12	P-6	P-12
Tubes and adapters	6*	12*	6*	12*
Transfer rack	P-6	P-12	P-6	P-12
Sample preparation rack	P-6	P-12	P-6	P-12
Condenser	-	-	S or C*	S or C*
Rotavapor connection	1	1	-	-
Safety shield	1	1	1	1
Vacuum system	*	*	*	*

\* according order code

#### Order code

With the ordering matrix every individual configuration including the vacuum pump and controller can be compiled into a bundle. All glass parts – except the sample vessels – are Plastic+Glas coated to provide maximum safety.

M	ultivapor™ MP-12/MP-6 M P
Pc	ositions
1	Multivapor P-12, max.
	12 x 30 mL, ø 25 mm
2	Multivapor P- 6, max.
	6 x 150 mL, ø 60 mm
Vc	ltage
1	220 - 240 V 50/60 Hz
2	100 - 120 V 50/60 Hz
Sa	Ifety shield
0	No safety shield
1	With safety shield
Ev Co	aporation unit, tube adapters (PETP), glassware
tra	nsfer rack and glassware:
01	BUCHI tube (30 mL for P-12, 160 mL for P-6)
Сс	infiguration without tube-adapters and without glassware:
99	With evaporation unit, preparation/transfer rack, but no adapters and no glassware. Order adapters and glassware
$\sim$	separately.
olo	niguration without rack, without tube adapters and without
910 NN	With evaporation unit, but no preparation/transfer rack, no
00	adapters and no glassware. Becommended choice for
	PEEK setup.
С	ondenser assembly, P+G coated
S	type S condenser, for tab water or a recirculating chiller, P+G coated
С	type C condenser, cold trap for dry-ice cooling, P+G coated
R	Rotavapor <sup>®</sup> setup (no condenser, incl. connection piece)
Re	ceiving flask, P+G coated
1	1000 mL receiving flack
י 2	2000 mL receiving flask
23	3000 mL receiving flask
∪ Va	
0	no pump, no controller: Multivapor™ Basic
1	V-300, I-300 incl. secondary condenser

2 V-300, I-300 Pro incl. secondary condenser:, Multivapor™ Pro

### Dimensions and weight

	Dimensions (W x H x D)	Weight
Multivapor™	270 x 400 x 400 mm	22 kg
Technical data		
	100 - 120 V ±10 %	220 - 240 V ±10 %
Frequency	50/60 H	łz
Power consumption	max. 800	W (
Ambient temperature	5 °C - 40	0°C
Maximum relative humidity	80 % for temperatur	es up to 30 °C
Temperature control range	20 °C to 9	5 °C
Temperature accuracy	±3 °C (instrument cal	ibrated at 20 °C)
Rotational speed	0 - 485 r	pm
IP - Certification	21	

### Table of requirements for Multivapor™

See respective product brochures, and technical data sheets for more information. A recirculating chiller with a minimum cooling capacity of 550 W (at 15 °C cooling temperature) is required for proper operation.

Cooling agent flowrate	min. 2.5 L/min	max. 11 L/min
Cooling agent pressure	min. 0.6 bar	max. 1 bar
Cooling capacity at 15 °C	min. 550 W	max. 1400 W

# Complementary products

	R	ecirculating Chille	er	Vacuun	n Pump
	F-305	F-308	F-314	V-300	V-600
Multivapor™	manually controlled	manually controlled	manually controlled	autonomous	autonomous
Multivapor <sup>™</sup> with I-300 / I-300 Pro	controlled	controlled	controlled	speed controlled	speed controlled

#### Explanation of terms

autonomous:	The peripheral (chiller / pump) can be turned On and Off by its own power switch only
speed controlled:	The peripheral (pump) is turned On and Off as well as speed controlled via interface
controlled:	The peripheral (chiller) is turned On and Off and the temperature can be set via interface, actual temperature is displayed on the interface
manually controlled:	The parameters can be adjusted via peripherals control buttons

#### Accessories

	Order number
Safety shield	048784
Evaporation unit P-6	11058090
Evaporation unit P-6, PEEK	11058091
Evaporation unit P-12	11058092
Evaporation unit P-12, PEEK	11058093
Crystal rack P-6	11057500
Crystal rack P-12	11057505
Vacuum cover P-6	049773
Vacuum cover P-6, PEEK	049710
Vacuum cover P-12	049615
Vacuum cover P-12, PEEK	048845
Blind adapter for P-6, 1 pc.	11055811
Blind adapter for P-12, 1 pc.	11055812

	Order number
Sample preparation rack P-6	049783
Sample preparation rack P-12	049755
Transfer rack P-6	049250
Transfer rack P-6 for P-12 adapter	11055146
Transfer rack P-12	049251
Set Rotavapor connection	048740
Woulff bottle set	11057282
Condensers	Order number
Condensers Condenser type S Including a 1000 mL receiving flask	Order number 048889
Condensers Condenser type S Including a 1000 mL receiving flask Condenser type S Including a 2000 mL receiving flask	Order number     048889     048890
Condensers Condenser type S Including a 1000 mL receiving flask Condenser type S Including a 2000 mL receiving flask Condenser type C Including a 1000 mL receiving flask	Order number   048889   048890   048887
Condensers   Condenser type S   Including a 1000 mL receiving flask   Condenser type S   Including a 2000 mL receiving flask   Condenser type C   Including a 1000 mL receiving flask   Condenser type C   Including a 2000 mL receiving flask	Order number   048889   048890   048887   048888