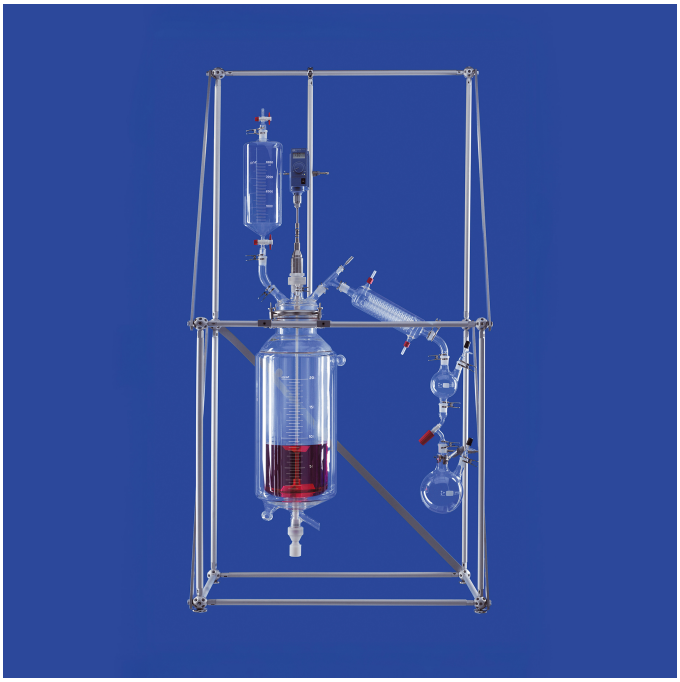
One-way reaction/distillation units



One-way reaction/distillation units

Batch reactor for stirring under normal pressure or vacuum, with possibility of addition of liquids and boiling under reflux. The descending condenser with intermediate and final receiver (suitable for vacuum operation) allows the separation of the solvent from the product by one-way distillation after reaction. High-quality system components:
Reaction vessels (6, 10, 20 or 30 l)
with thermostatic jacket (heatable by a thermostatic bath), with bottom discharge valve (PTFE), made of DURAN® tubing
Flat flange lid (DN 150 or DN 200)
1 center neck NS 45/40, 2 side necks 45° NS 29/32, 1 side neck straight NS 14/23, material: DURAN®
Feeding funnel
Capacity: 1000 or 4000 ml, with graduation, NS 29/32, made of DURAN® tubing
Spiral condenser
NS 29/32, S 29, jacket length: 300 mm, made of DURAN® tubing
Stirrer guide and stirrer
with 16 mm shaft, stirrer: steel, PTFE coated

Accessories

System contents and spare parts for one-way reaction/distillation units 6, 10, 20 l, DN 150
Cat. No.: 6 2654 85, Cat.No.: 6 2654 88 and Cat. No.: 6 2654 94

System contents and spare parts for one-way reaction/distillation units 6, 10, 20, 30 l, DN 200
Cat. No.: 6 2655 85, Cat. No.: 6 2655 88, Cat. No.: 6 2655 94 and 6 2655 97

Vessel capacity (l)	Nom. size (DN)	Pack (qty.)	Cat. No.
6	150	1	6 2654 85
10	150	1	6 2654 88
20	150	1	6 2654 94
6	200	1	6 2655 85

10	200	1	6 2655 88
20	200	1	6 2655 94
30	200	1	6 2655 97

Description	Cat. No.
Flexible coupling as connection between stirrer and motor	6 4005 01
Support, for DN 150, complete with connector, approx.W 1,0 x D 0,5 x H 2,0 m	6 2478 01
Support, for DN 200, complete with connector, approx. W 1,0 x D 0,5 x H 2,0 m	6 2478 02
Motor, 230 V, with stepless adjustable speed and torque control, digital display	6 9000 01

Pos.	System contents (pc.)	Description	Cat. No.
1a	1	Reaction vessel 6 l, DN 150	6 0314 85
1b	1	Reaction vessel 10 l, DN 150	6 0314 88
1c	1	Reaction vessel 20 l, DN 150	6 0314 94
2	1	Flat flange lid, DN 150, 1 center neck, 3 side necks	6 1044 65
3	1	Stirrer guide, cone NS 45	6 3062 06
4a	1	Double-propeller stirrer for 6 l	6 3310 06
4b	1	Double-propeller stirrer for 10 l	6 3310 10
4c	1	Double-propeller stirrer for 20 l	6 3310 20
5	1	Hinged coupling, metal	6 4005 01
6	1	Motor, 230 V	6 9000 01
7a	1	Dosing funnel 1000 ml, NS 29/32 (for 6 and 10 l)	6 3500 70
7b	1	Dosing funnel 4000 ml, NS 29/32 (for 20 l)	6 3500 79
8	1	Vent tube	6 3505 04
9	1	Bend 135°, 2 NS 29/32	6 3550 04
10	1	Distilling head 120°	6 3551 14
11	1	Temperature probe Pt 100, 85 mm, NS14/23	6 5000 05
12a	2	Flange support, stainless steel, KF 15 (for 6 and 10 l)	6 2485 15
12b	2	Flange support, stainless steel, KF 25 (for 20 l)	6 2485 25
13a	2	PTFE-seals KF 15 (for 6 and 10 l)	6 2488 15
13b	2	PTFE-seals KF 25 (for 20 l)	6 2488 25
14a	2	Tube adapter KF 15, thread M 16 x 1 (for 6 and 10 l)	5 1081 10
14b	2	Tube adapter KF 25, thread M 16 x 1 (for 20 l)	5 1082 16
15	1	Coil condenser	5 2550 29
16	1	Bend, NS 29/32, S 29	6 3550 10
17	1	Intermediate receiver 0.5 l	6 5150 05

18	1	Final receiver 2.0 l	6 5150 10
19	2	Ventilation valve 0-2.5 mm, NS 29/32	6 5200 00
20	1	Connection valve 10 mm	6 5200 05
21	10	Forked clamps NS 29/32	1 1035 29
22	1	Forked clamp S 29	1 2329 15
23	1	Support DN 150, complete with connector	6 2478 01
24	1	O-ring, silicone, DN 150	6 2480 15
25a	1	Valve plug, 10 mm, PTFE, for 6 l	6 0613 10
25b	1	Valve plug, 20 mm, PTFE, for 10 and 20 l	6 0612 20
Pos.	System contents (pc.)	Description	Cat. No.
1a	1	Reaction vessel 6 l, DN 200	6 0315 85
1b	1	Reaction vessel 10 l, DN 200	6 0315 88
1c	1	Reaction vessel 20 l, DN 200	6 0315 94
1c	1	Reaction vessel 30 l, DN 200	6 0315 97
2	1	Flat flange lid, DN 200, 1 center neck, 3 side necks	6 1045 65
3	1	Stirrer guide, cone NS 45	6 3062 06
4a	1	Double-propeller stirrer for 6 l	6 3310 06
4b	1	Double-propeller stirrer for 10 l	6 3310 10
4c	1	Double-propeller stirrer for 20 l	6 3310 20
4c	1	Double-propeller stirrer for 30 l	6 3310 30
5	1	Hinged coupling, metal	6 4005 01
6	1	Motor, 230 V	6 9000 01
7a	1	Dosing funnel 1000 ml, NS 29/32 (for 6 and 10 l)	6 3500 70
7b	1	Dosing funnel 4000 ml, NS 29/32 (for 20 and 30 l)	6 3500 79
8	1	Vent tube	6 3505 04
9	1	Bend 135°, 2 NS 29/32	6 3550 04
10	1	Distilling head 120°	6 3551 14
11	1	Temperature probe Pt 100, 85 mm, NS14/23	6 5000 05
12a	2	Flange support, stainless steel, KF 15 (for 6 and 10 l)	6 2485 15
12b	2	Flange support, stainless steel, KF 25 (for 20 and 30 l)	6 2485 25
13a	2	PTFE-seals KF 15 (for 6 and 10 l)	6 2488 15
13b	2	PTFE-seals KF 25 (for 20 and 30 l)	6 2488 25
14a	2	Tube adapter KF 15, thread M 16 x 1 (for 6 and 10 l)	5 1081 10
14b	2	Tube adapter KF 25, thread M 16 x 1 (for 20 l)	5 1082 16
14c	2	Tube adapter KF 25, thread M 30 x 1.5 (for 30 l)	5 1082 30
15	1	Coil condenser	5 2550 29
16	1	Bend, NS 29/32 S 29	6 3550 10

17	1	Intermediate receiver 0.5 l	6 5150 05
18	1	Final receiver 2.0 l	6 5150 10
19	2	Ventilation valve 0-2.5 mm, NS 29/32	6 5200 00
20	1	Connection valve	6 5200 05
21	10	Forked clamps NS 29/32	1 1035 29
22	1	Forked clamp S 29	1 2329 15
23	1	Support DN 200, complete with connector	6 2478 02
24	1	O-ring, silicone, DN 200	6 2480 20
25a	1	Valve plug, 10 mm, PTFE, for 6 l	6 0612 10
25b	1	Valve plug, 20 mm, PTFE, for 10, 20 and 30 l	6 0612 20

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