Reflux reaction units



Reflux reaction units

Batch reactor for stirring under normal pressure or vacuum, with possibility of addition of liquids and boiling under reflux. 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, 1 side neck 45° KF 50, 1 side neck 45° NS 29/32, 1 side neck straight NS 14/23, material: DURAN®,
Feeding funnel, constant addition, 1000 ml
with graduation, NS 29/32, made of DURAN® tubing,
Reflux condenser
(details see on page 72) suitable for vacuum operation, jacket length: 300 mm, 2 KF 50,made of DURAN® tubing,
Stirrer bearing and stirrer
with 16 mm shaft, stirrer: steel, PTFE coated,
Rigid support
powder coated steel framework, tension brace: stainless steel,dimensions: approx. W 0.5 x D 0.35 x H 1.7 m

Accessories

Lieferumfang und Ersatzteilübersicht für Rückfluss-Reaktionsapparate 6, 10, 20 l, DN 150
Cat. No.: 6 2704 85, Cat. No.: 6 2704 88 und Cat. No.: 6 2704 94

System contents and spare parts for reflux reaction units 6, 10, 20, 30 l, DN 200
Cat. No.: 6 2705 85, Cat. No.: 6 2705 88, Cat. No.: 6 2705 94 and 6 2705 97

Vessel capacity (l)	Nom. size (DN)	Pack (qty.)	Cat. No.
6	150	1	6 2704 85
10	150	1	6 2704 88
20	150	1	6 2704 94
6	200	1	6 2705 85
10	200	1	6 2705 88

20	200	1	6 2705 94
30	200	1	6 2705 97

Description	Cat. No.
Flexible coupling as connection between stirrer and motor	6 4005 01
Support, for flanges DN 150, complete with connector	6 2476 01
Support, for flanges DN 200, complete with connector	6 2476 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 70
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
7	1	Dropping funnel 1000 ml, constant addition, NS 29/32	4 3770 14
8	1	Hollow stopper, pointed bottom, NS 29/32	1 4000 29
9	1	Bend 135°, 2 NS 29/32	6 3550 04
10	1	Reflux condenser, jacket length: 300 mm, 2 KF 50	5 2550 50
11	1	Bend 135°, 2 KF 50	6 3550 11
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	2	PTFE-seals KF 50	6 2488 50
16	2	Flange support, stainless steel, KF 50	6 2485 50
17	1	Support DN 150, complete with connector	6 2476 01
18	1	Sealing ring, silicone, DN 150	6 2480 15
19	1	Spare valve plug, 20 mm, PTFE	6 0612 20

20	3	Forked clamps NS 29/32	1 1035 29
21	1	Forked clamp NS 45/40	1 1035 45
22	1	Temperature probe Pt 100, NS14/23	6 5000 08
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
1d	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 70
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
4d	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
7	1	Dropping funnel 1000 ml, constant addition, NS 29/32	4 3770 14
8	1	Hollow stopper, pointed bottom, NS 29/32	1 4000 29
9	1	Bend 135°, 2 NS 29/32	6 3550 04
10	1	Reflux condenser, jacket length: 300 mm, 2 KF 50	5 2550 50
11	1	Bend 135°, 2 KF 50	6 3550 11
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	2	PTFE-seals KF 50	6 2488 50
16	2	Flange support, stainless steel, KF 50	6 2485 50
17	1	Support DN 200, complete with connector	6 2476 02
18	1	Sealing ring, silicone, DN 200	6 2480 20
19	1	Spare valve plug, 20 mm, PTFE	6 0612 20
20	3	Forked clamps NS 29/32	1 1035 29
21	1	Forked clamp NS 45/40	1 1035 45
22	1	Temperature probe Pt 100, NS14/23	6 5000 08