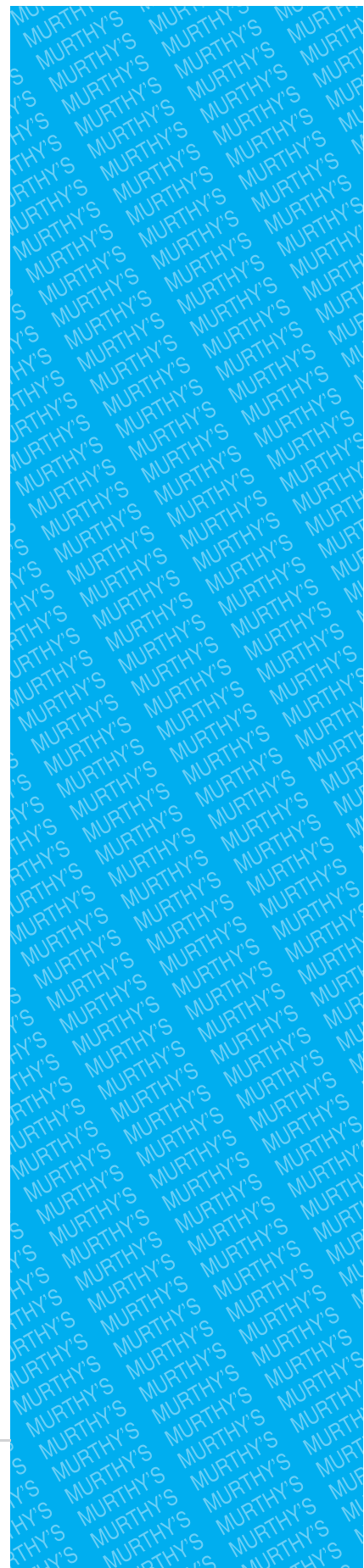


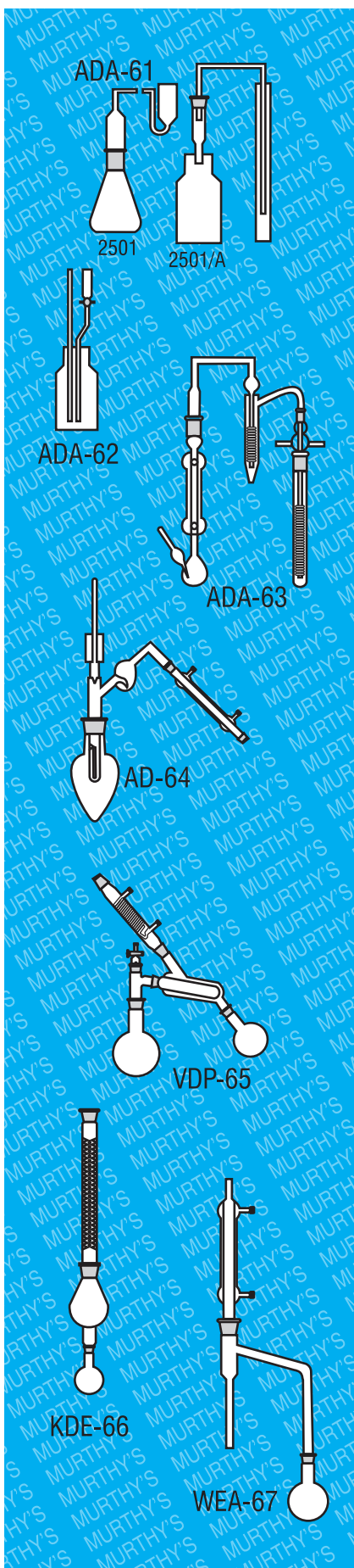
LES- 60 Laboratory Equipment Set

This is a comprehensive set, fully equipped to carry out almost any organic chemistry procedure, and is ideal for both academic and industrial research workers. Consisting of 84 items all the 28 assemble illustrated could be assembled with this set.

Cat. No. Components

2500	1 to 46 of 2499
	47 Receiver adapter, straight
	48 Reduction adapter
	49 Reduction adapter
	50 Coil condenser 150 mm
	51 Plain fractionating column, 250 mm
	52 250 ml, rashing rings
	53 Coil condenser reversible, 150 mm
	54 Non-return valve cap
	55 Non-return valve disc
	56 2x stainless steel springs
	57 Non-return valve body
	58 Packing support 16mm diameter
	59 Packing support 9mm diameter
	60 Immersion condenser
	61 Thermometer 0 to 360 PTFE cone
	62 60 ml soxhlet extractor
	63 Stillhead
	64 Test tube
	65 Drechsel bottom head
	66 Intermediate vacuum receiver
	67 Conical/Spherical adapter
	68 Conical/Spherical adapter
	69 Spherical joint clip
	70 Stopper
	71 Wash bottle head
	72 Multiple adapter
	73 Bend
	74 Vacuum receiver Adapter
	75 100 ml flask Buchner
	76 50 ml conical flask
	77 500 ml conical flask
	78 150 ml R.B. flask
	79 500 ml R.B. flask
	80 100 ml R. B. flask
	81 150 ml conical flask
	82 500 ml F.B. flask
	83 Drechsel bottle 250 ml
	84 500 ml R.B. two necks flask





ADA- 61 Arsenic Determination Apparatus

Cat. No. Description

- 2501 Comprising of 100ml bottle and Arsenic tube in two parts with rubber cork ends Cat No: (2501/A)

ADA - 62 Arsenic Determication Apparatus

Cat. No. Description

- 2502 Comprising of 100ml bottle and inner fitting. Arsenic tube is in two parts with ground flange ends and can be connected together by mean of spring or rubber band

ADA - 63 Alkowyl Group Determination Apparatus

Cat. No. Components

- 2503 Distillation flask combines with condenser, scrubber, delivery tube with spiral receiver tube

AD - 64 Acetyl Group Determination Apparatus

Cat. No. Components

- 2504 Pear shape flask, 50ml still head, Liebig Condenser 200mm, funnel plug (Reflux can be arranged by fitting the condenser directly into the flask)

VDP - 65 vacuum drying Pistol

Cat. No. Components

- 2505 Desiccant flask 100ml stillhead, tap adapter jacketed tube, boiling flask 250ml coil condenser 150mm

KDE - 66 Kuderna danish Evaporator

Cat. No. Components

- 2506 R.B. flask 150ml, upper chamber 250ml, Kunderna Column

WEA - 67 Water Estimation Apparatus, (DEAN & STARK), Light Entrainer, with out Stopcock (AZOTROPIC)

Cat. No. Components

- 2507 Receiver 2 ml R.B. flask 250 ml
Liebig condenser 400mm
- 2508 Receiver 7.5 ml R.B. flask 500 ml
Liebig condenser 400mm
- 2509 Receiver 10ml R.B. flask 1000 ml
Liebig condenser 400mm
- 2510 Receiver 25 ml R.B flask 1000 ml
Liebig condenser 400 mm
- 2511 Receiver 100ml R.B. flask 1000 ml
Liebig condenser 400 mm

WEA - 68 Water Estimation Apparatus, (DEAN & STARK), Light Entrainer, with Stopcock

Cat. No. Components

2512	Receiver 2 ml R.B. flask 250 ml Liebig condenser 400mm
2513	Receiver 7.5 ml R.B. flask 500 ml Liebig condenser 400mm
2514	Receiver 10 ml.B.flask 1000 ml Liebig condenser 400mm
2515	Receiver 25 ml B. flask 1000ml Liebig condenser 400mm
2516	Receiver 100ml.B. flask 1000 ml Liebig condenser 400mm

KDA - 69 Kjeldahi Distillation Assembly

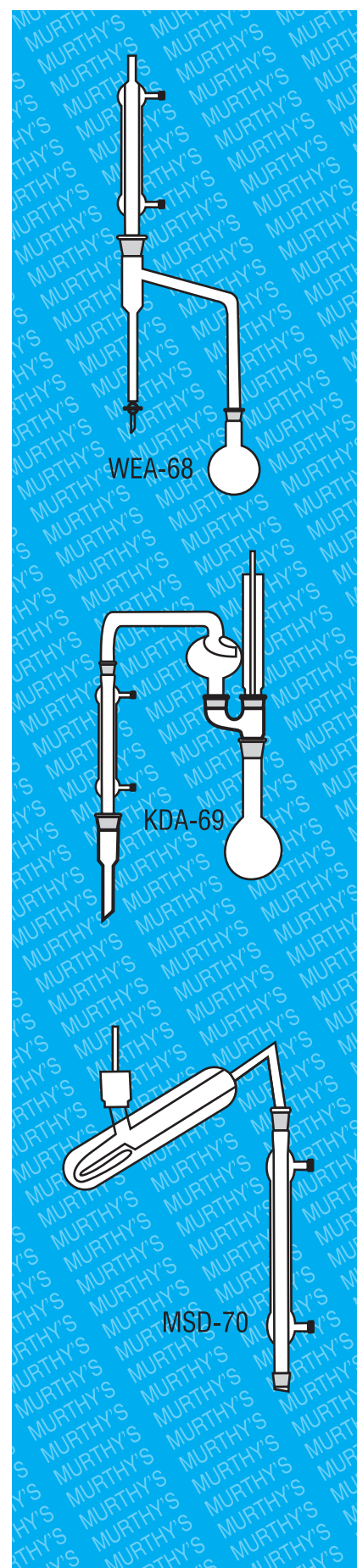
Cat. No. Components

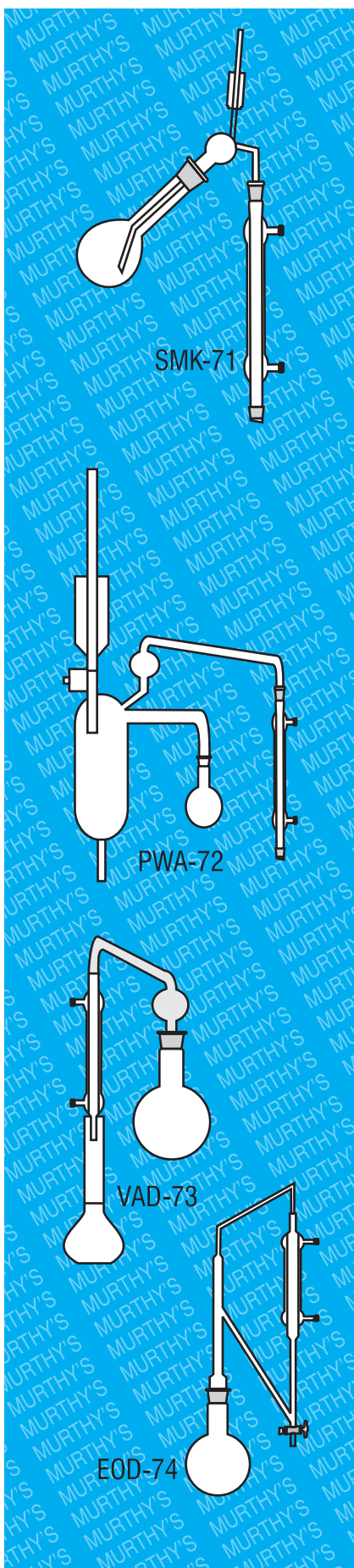
2517	Kjeldahl flask 500ml,multiple adapter, two Necks, dropping funnel 50ml, dropping funnel Plug, splash head, vertical liebig condenser 200mm receiver adapter
2518	Kjeldahl flask 500ml,multiple adapter, two Necks, dropping funnel 50ml, dropping funnel Plug, splash head, vertical liebig condenser 200mm joint clip, S-19

MSD - 70 Markham Semi Micro Distillation Unit

Cat. No. Components

2519	Markham still body funnel plug, liebig Condenser 200mm, joint clip, S-19
2520	Markham still body funnel plug Liebig Condenser 200mm, receiver adapater





SMK - 71 Semi Micro Kjeldhal Apparatus

Cat. No. Components

- | | |
|------|--|
| 2521 | Kjedahl flask, 50ml, distillation head with Funnel, S-19 ball funnel plug, liebig condenser 200mm, S-19 cup joint clip, S-19 |
| 2522 | Kiedahl flask 100ml, distillation head with Funnel S-19 ball funnel plug, liebig condenser 200mm, S-19 cup joint clip, S19 |
| 2523 | Kiedahl flask 50ml, distillation head with Funnel, 14/23 cone funnel plug liebig condenser 200mm, 14/23 |
| 2524 | Kiedahl flask 100ml, distillation head with Funnel, funnel plug liebig condensder 200mm 14/23 joint. MAX - 72 Pamas & Wagner Apparatus (All Glass) |

PWA - 72 PAMAS & Wagner Apparatus (All Glass)

Cat. No. Components

- | | |
|------|--|
| 2525 | Steam generating flask 250ml, Steam trap vacuum jacked flask 100 ml Funnel Plug Liebig condenser 200 mm joint clip S 13, joint Clip S 19 |
|------|--|

VAD - 73 Volatile Acid Determination Apparatus

Cat. No. Components

- | | |
|------|---|
| 2526 | Polenske and Reichetmeissi for the determination of Soluble and insoluble volatile acids in fats anoids. For analysis of butter and butter fats. Comprising of 300 ml flask stillhead condenser and receiver flask graduated at 100 and 110 ml. |
| 2527 | Comprising of the parts of but complete with Stand clamps and burner |

EOD - 74 Essential Oil Determination Apparatus

Cat. No. Components

- | | |
|------|--|
| 2528 | Cocking and middleton- for the determination of volatile oil in drugs - comprising of 1000 ml flask and vertical tube combined with condenser and measuring tube with stopcock are turn tube for the aqueous part of the distillate connects the bottom of the measuring tube and the vertical tube. |
|------|--|

EOD - 75 Essential Oil Determination Apparatus

Cat. No. Components

- 2529 Clevenger - for the determination of Volatile oil lighter than water comprising of 1000 ml flask oil separator tube and condenser.

EOD - 76 Essential Oil Determination Apparatus (All Glass)

Cat. No. Components

- 2530 Clevenger -for the determination of Volatile oil heavier than water comprising of 1000 ml flask oil separator tube and condenser.

SXE - 77 Soxhlet Extraction Apparatus

Cat. No. Components

- 2531 Extractor 6ml, Pear shape flask 50ml, liebig Condenser 200mm.
- 2532 Extractor 20ml, F.B. Flask 50ml, Allihn Condenser 200mm.
- 2533 Extractor 40ml, F.B. Flask 100ml, Allihn Condenser 200mm.
- 2534 Extractor 60ml, F.B. Flask 150ml, Allihn Condenser 200mm.
- 2535 Extractor 100ml, (34/35 Socket) F.B. Flask 250ml, Allihn condenser 200mm (34/35 cone)
- 2536 Extractor 100ml, (40/38 socket) F.B. flask 250ml, allihn condenser 200mm (40/38 cone)
- 2537 Extractor 200ml F.B.flask 500ml, allihn Condenser 300mm.
- 2538 Extractor 250ml, F.B.Flask 500ml, allihn Condenser 300mm.
- 2539 Extractor 500ml, F.B.Flask 1000ml, allihn Condenser 300mm.

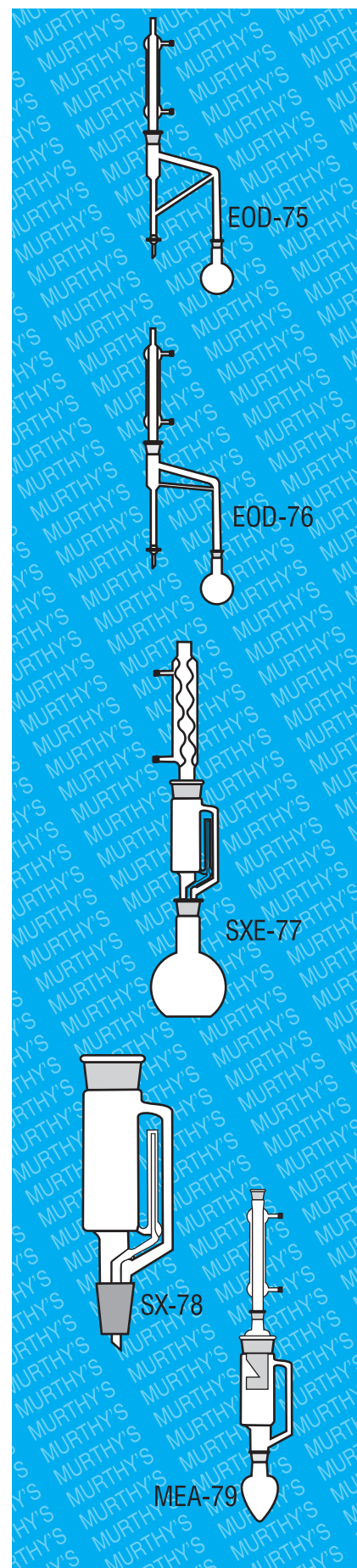
SX - 78 Extractor Only for Soxhlet Apparatus

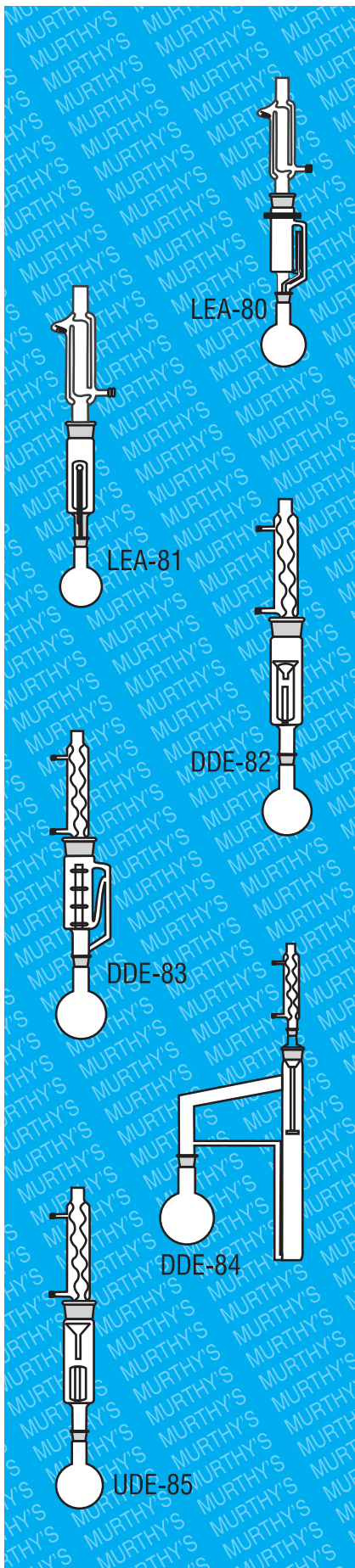
Cat. No.	Cap ml	Socket	Cone
2540	60	34/35	24/29
2541	100	34/35	24/29
2542	100	40/38	24/29
2543	100	50/42	24/29
2544	250	50/42	24/29
2545	500	50/42	24/29

MEA - 79 Micro Extraction Apparatus

Cat. No. Components

- 2546 Extraction with thimble 3 m adapter with hook, pear shape flask 5 ml Liebig condenser 60 mm.





LEA- 80 Large Size Extraction Apparatus

Cat. No. Components

- 2547 Extractor with integral 75 mm flange
600 ml R.B. flask 2000 ml Double surface
condenser 200 mm
- 2548 Extractor with integral 100 mm flange
1000 ml R.B. flask 3000 ml double surface
condenser 200 mm
- 2549 Extractor with integral 100 mm flange
2000 ml R.B. flask 5000 ml double surface
condenser 230 mm

LEA - 81 Jacketed Extraction Apparatus

Cat. No. Components

- 2550 Extractor 20ml Inner 60 ml
R.B flask 250 ml Allihn condenser 200 mm
- 2551 Extractor 50ml Inner 100 ml R.B flask
250 ml Allihn condenser 200 mm
Reduction adapter
- 2552 Extractor 100ml Inner 200 ml R.B flask
500 ml Allihn condenser 200 mm
Reduction adapter

DDE- 82 Downwards displacement Extraction Apparatus

Cat. No. Components

- 2553 Extractor 10 ml Inner with plain funnel
distributor R.B flask 50 ml Allihn condenser
200 mm

DDE - 83 Downwards Displacement Extraction Apparatus

Cat. No. Components

- 2554 Extractor 100ml, disc baffle distributor
R.B. flask 250ml allihn condenser 200mm.

DDE- 84 Downwards Displacement Extraction Apparatus

Cat. No. Components

- 2555 Extractor 400ml, sintered disc distributor,
R.B. flask 500ml allihn condenser 200mm.
- 2556 Extractor 1000, sintered disc distributor,
R.B. flask 2000 ml, allihn condenser, 200 mm
- 2557 Extractor 2500 ml sintered disc distributor
RB. Flask 5000 ml allihn condenser 200 mm

UDE - 85 Upwards Displacement Extraction Apparatus

Cat. No. Components

- 2558 Extractor 8ml inner with plain funnel distributor
R B flask 50 ml allihn condenser 200mm

UDE - 86 Upwards Displacement Extraction Apparatus

Cat. No. Components

- 2559 Extractor 100ml disc baffle distributor RB flask
150 ml Double Surface Condenser 200 mm

UDE - 87 Up Words Displacement Extraction Apparatus

Cat. No. Components

- 2560 Extractor 100ml sintered disc distributor
RB flask 150 ml Double Surface Condenser
200 mm

UDE - 88 Upwards Displacement Extraction Apparatus

Cat. No. Components

- 2561 Extractor 200ml Disc Distributor R.B flask
250 ml Double Surface condenser 200 mm.
2562 Extractor 500ml Disc baffle Distributor R.B flask
500 ml double Surface condenser 200 mm.

UDE- 89 Upwards Displacement Extraction Apparatus

Cat. No. Components

- 2564 Extractor 200ml Sintered Disc Distributor
R.B flask 250 ml Double Surface condenser
200 mm
2565 Extractor 500ml Sintered Disc Distributor
R.B flask 500 ml Double Surface condenser
200 mm

RDA - 90 Re- Distillation Assembly

Cat. No. Components

- 2566 F.B flask with a side tube 1000 ml
coil condenser 200 mm Stopper

ADA - 91 Ammonia Distillation Assembly

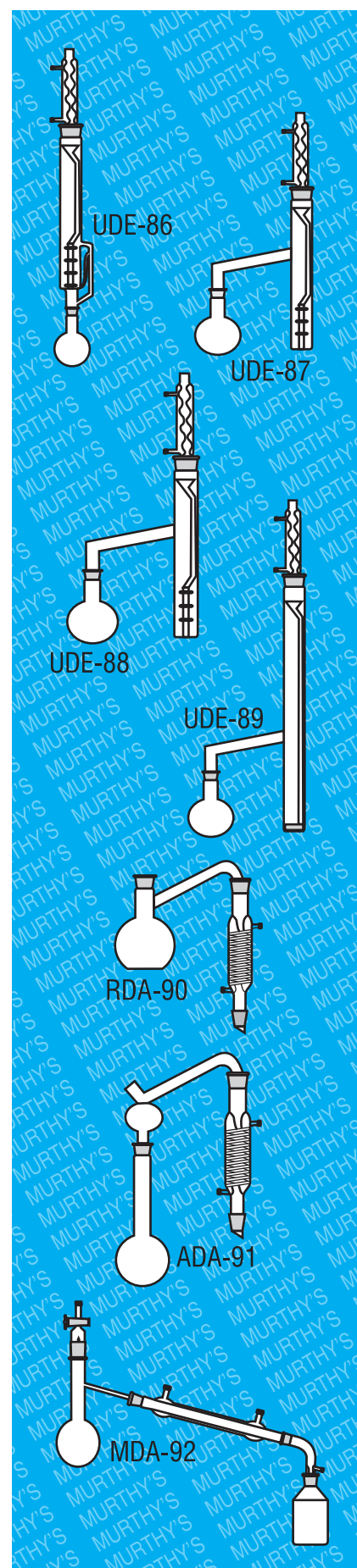
Cat. No. Components

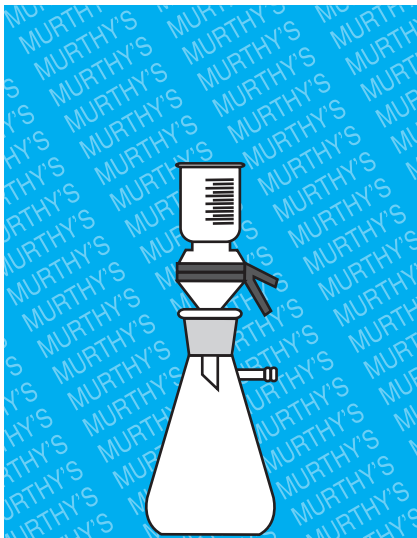
- 2567 Kjeldahl flask 800 ml stillhead
Coil condenser 200 mm

MDA - 92 Mercury Distillation Assembly, Hulett

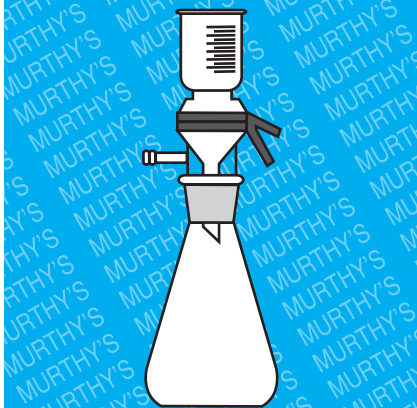
Cat. No. Components

- 2568 Distillation Flask 500ml Stop cock-Controlled
Air bleeding tube, Air Condenser 500mm, Liebig
condenser 200mm, Receiver adapter, with Vacuum, Connection
Receiving bottle 500ml.

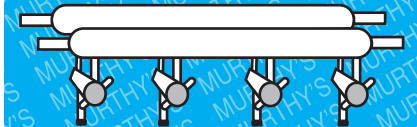




MFA-93



MFA-94



GM-95

MFA - 93 Micro Filter Holder Assembly, with Rubber cork

Cat. No. Components

- | | |
|------|---|
| 2569 | Funnel for 13 & 25 Size filter Base with Sintered Disc for 25 size filter spring clamp, flask with cork. |
| 2570 | Funnel for 13 & 25 Size filter Base with Sintered Disc for 13 size filter spring clamp, flask with cork. |
| 2571 | Funnel for 47 size filter base with sintered Disc for 47 Size filter spring clamp, 47 size 100ml Buchner flask with cork. |

MFA - 94 Micro Filter Holder Assembly With Ground glass joint

Cat. No. Components

- | | |
|--------|--|
| 2572 | Funnel for 47 size filter Base with sintered disc & 34/35 socket in the stem for 47 size filter Spring Clamp 47 size 1000 ml Buchner flask with 34/35 cone |
| 2572/A | Set of 2000 ml |
| 2573 | Funnel for 13 & 25 size filter |
| 2574 | Funnel for 47 size filter |
| 2575 | Base with sintered disc for 13 size filter |
| 2576 | Base with sintered disc for 25 size filter |
| 2577 | Base with sintered disc for 47 size filter |
| 2578 | Spring Clamp 13 & 25 size |
| 2579 | Spring Clamp 47 size |
| 2580 | Buchner flask Plain neck 100 ml with cork |
| 2581 | Buchner flask Plain neck 1000 ml with cork |
| 2582 | Buchner flask with 34/35 cone 1000 ml |

Note: Filters are not supplied with these assemblies

GM - 95 Glass Manifold

Cat. No. Components

- | | |
|--------|---------------------------------|
| 2583 | MANIFOLD with 4 Stop cocks |
| 2583/a | MANIFOLD with 5 Stop cocks |
| 2583/b | MANIFOLD with 6 Stop cocks |
| 2583/c | MANIFOLD with PTFE 4 Stop cocks |
| 2583/d | MANIFOLD with PTFE 5 Stop cocks |
| 2583/e | MANIFOLD with PTFE 6 Stop cocks |

Grip seal joints for High Vacuum Reactions

GPRA - 001. Reduction Adapters with Grip seal joints

Cat. No.	Grip Seal Socket	Bottom Cone
2584	10/30	19/38
2585	10/30	24/40
2586	14/35	24/40
2587	19/38	24/40
2588	19/38	29/42
2589	19/38	34/25
2590	24/40	29/42
2591	24/40	34/45
2592	24/40	45/50
2593	29/42	34/45
2594	29/42	45/50
2595	29/42	19/38
2596	29/42	24/40
2597	34/45	24/40
2598	45/50	24/40
2599	34/45	29/42
2600	45/50	29/42
2601	55/50	29/42
2602	45/50	34/45
2603	55/50	34/45

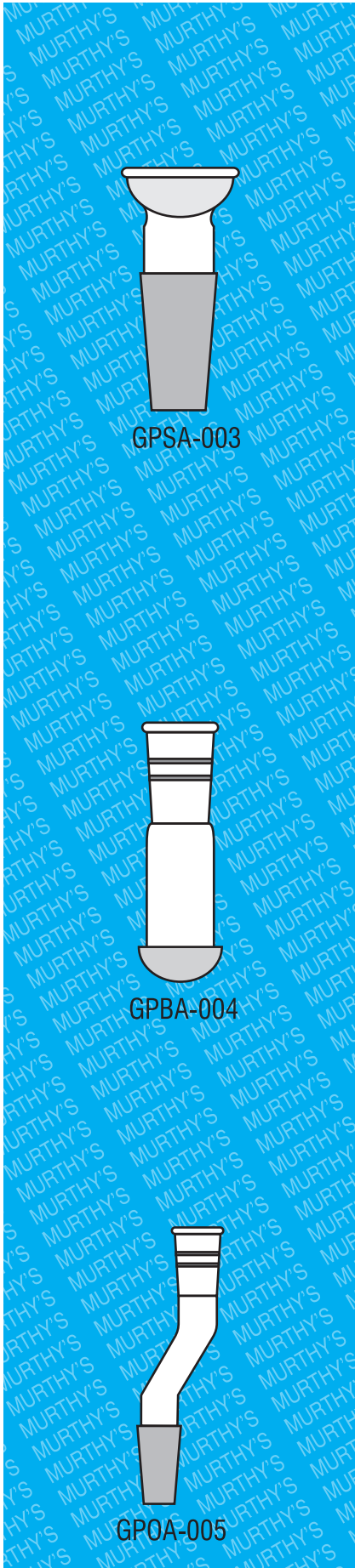
GPEA - 002 Expansion Adapters with Grip seal joints

Cat. No.	Grip Seal Socket	Bottom Cone
2604	19/38	10/30
2605	24/40	10/30
2606	19/38	14/35
2607	24/40	14/35
2608	24/40	19/38
2609	29/42	19/38
2610	34/45	19/38
2611	29/42	24/40
2612	34/45	24/40
2613	45/50	24/40
2614	34/45	29/42
2615	45/50	29/42
2616	55/50	29/42
2617	45/50	34/45
2618	55/50	34/45



GPRA-001

GPEA-002



GPSA - 003. Adapters with Spherical cup joints

Cat. No.	S - Cups	Bottom Cone
2619	S-35	10/30
2620	S-35	14/35
2621	S-35	19/38
2622	S-35	24/40
2623	S-35	29/42
2624	S-35	34/45
2625	S-35	45/50
2626	S-35	55/50
2627	S-51	19/38
2628	S-51	24/40
2629	S-51	29/42
2630	S-51	24/45
2631	S-51	45/50
2632	S-51	55/50

GPBA- 004 Adapters with spherical Ball joints.

Cat. No.	S - Ball	Grp - Socket
2633	S-35	14/35
2634	S-35	19/38
2635	S-35	24/40
2636	S-35	29/42
2637	S-35	34/45
2638	S-35	45/50
2639	S-35	55/50
2640	S-51	14/35
2641	S-51	19/38
2642	S-51	24/40
2643	S-51	29/42
2644	S-51	34/45
2645	S-51	45/50
2646	S-51	55/50

GPOA- 005 Adaptors Offset With Grip seal socket

Cat. No.	Grp - Socket	Bottom Cone
2647	14/35	14/35
2648	14/35	19/38
2649	14/35	24/40
2650	19/38	19/38
2651	19/38	24/40
2652	19/38	29/42
2653	24/40	24/40
2654	24/40	29/42

For More Sizes See Next Page