

**100. Joint cones**

Złącza szklane zewnętrzne

| Cat. no<br>Nr kat. | Joint<br>WS zewn. | Minimal length mm<br>Minimalna długość mm |
|--------------------|-------------------|---|
| 100-01             | 10/19             | 120                                       |
| 100-02             | 12,5/21           | 120                                       |
| 100-03             | 14,5/23           | 120                                       |
| 100-04             | 19/26             | 150                                       |
| 100-05             | 24/29             | 150                                       |
| 100-06             | 29/32             | 150                                       |
| 100-07             | 34,5/35           | 150                                       |
| 100-08             | 45/40             | 150                                       |
| 100-09             | 60/46             | 150                                       |
| 100-10             | 71/51             | 200                                       |

**110. Joint cones, double**

Złącza szklane zewnętrzne podwójne

| Cat. no<br>Nr kat. | Joints<br>WS zewn. | Minimal length mm<br>Minimalna długość mm |
|--------------------|--------------------|---|
| 110-01             | 14,5/23            | 130                                       |
| 110-02             | 19/26              | 130                                       |
| 110-03             | 24/29              | 160                                       |
| 110-04             | 29/32              | 160                                       |
| 110-05             | 34,5/35            | 160                                       |
| 110-06             | 45/40              | 160                                       |

**120. Joint cones, with stem below joint**

Złącza szklane zewnętrzne z przedłużeniem

| Cat.no<br>Nr kat. | Joint<br>WS zewn. | Minimal length mm<br>Minimalna długość mm |
|-------------------|-------------------|---|
| 120-01            | 14,5/23           | 120                                       |
| 120-02            | 19/26             | 150                                       |
| 120-03            | 24/29             | 150                                       |
| 120-04            | 29/32             | 150                                       |
| 120-05            | 34,5/35           | 150                                       |
| 120-06            | 45/40             | 150                                       |

**130. Joint sockets**

Złącza szklane wewnętrzne

| Cat.no<br>Nr kat. | Joint<br>WS wew. | Minimal length mm<br>Minimalna długość mm |
|-------------------|------------------|---|
| 130-01            | 10/19            | 120                                       |
| 130-02            | 12,5/21          | 120                                       |
| 130-03            | 14,5/23          | 120                                       |
| 130-04            | 19/26            | 150                                       |
| 130-05            | 24/29            | 150                                       |
| 130-06            | 29/32            | 150                                       |
| 130-07            | 34,5/35          | 150                                       |
| 130-08            | 45/40            | 150                                       |
| 130-09            | 60/46            | 150                                       |



### 131. Joint sockets, double

Złącza szklane wewnętrzne podwójne

| Cat.no<br>Nr kat. | Joints<br>WS wew. | Minimal length mm<br>Minimalna długość mm |
|-------------------|-------------------|---|
| 131-01            | 14,5/23           | 120                                       |
| 131-02            | 19/26             | 150                                       |
| 131-03            | 24/29             | 150                                       |
| 131-04            | 29/32             | 150                                       |



### 140. Sockets with bubble

Złącza wewnętrzne z bańką

| Cat.no<br>mm<br>Nr kat. | Socket joint<br>WS wew. | Minim.length mm<br>Minimalna długość mm | Max stem OD mm<br>Maks. śr. zew. rurki mm | Minim. bubble OD<br>Min. śr. zew. bańki mm |
|-------------------------|-------------------------|---|---|--|
| 140-01                  | 14,5                    | 120                                     | 15  | 20   |
| 140-02                  | 19                      | 150                                     | 20  | 25   |
| 140-03                  | 24                      | 150                                     | 24  | 30   |
| 140-04                  | 29                      | 150                                     | 28  | 35   |



### 1 50. Receiver adapters with straight stem

Przedłużacze do chłodziń

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Length mm<br>Długość |
|-------------------|-------------------------|----------------------|
| 150-01            | 19                      | 150                  |
| 150-02            | 24                      | 150                  |
| 150-03            | 29                      | 150                  |
| 150-04            | 45                      | 150                  |



### 160. Reducing adapters

Złącza redukcyjne

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|-------------------------|------------------------|
| 160-01            | 14,5                    | 19                     |
| 160-02            | 14,5                    | 24                     |
| 160-03            | 14,5                    | 29                     |
| 160-04            | 19                      | 24                     |
| 160-05            | 19                      | 29                     |
| 160-06            | 19                      | 34,5                   |
| 160-07            | 19                      | 45                     |
| 160-08            | 24                      | 29                     |
| 160-09            | 24                      | 34,5                   |
| 160-10            | 24                      | 45                     |
| 160-11            | 29                      | 34,5                   |
| 160-12            | 29                      | 45                     |
| 160-13            | 34,5                    | 45                     |
| 160-14            | 29                      | 60                     |
| 160-15            | 45                      | 60                     |



**170. Enlarging adapters**

Złącza ekspansywne

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|-------------------------|------------------------|
| 170-01            | 19                      | 14,5                   |
| 170-02            | 24                      | 14,5                   |
| 170-03            | 29                      | 14,5                   |
| 170-04            | 34,5                    | 14,5                   |
| 170-05            | 45                      | 14,5                   |
| 170-06            | 24                      | 19                     |
| 170-07            | 29                      | 19                     |
| 170-08            | 34,5                    | 19                     |
| 170-09            | 45                      | 19                     |
| 170-10            | 29                      | 24                     |
| 170-11            | 34,5                    | 24                     |
| 170-12            | 45                      | 24                     |
| 170-13            | 34,5                    | 29                     |
| 170-14            | 45                      | 29                     |

**180. Distilling adapters, with side tube, bend, 105° angle**  
Nasadki z rurką dopływową zgięte kątem 105°

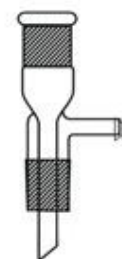
| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Height mm<br>Wysokość ok. mm |
|-------------------|-------------------------|------------------------|------------------------------|
| 180-01            | 14,5                    | 14,5                   | 100                          |
| 180-02            | 19                      | 19                     | 120                          |
| 180-03            | 19                      | 24                     | 120                          |

**190. Vacuum adapters, with hose connection**  
Nasadki proste z rurką do węża (z haczykami)

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Stem OD mm<br>Śr. ołowki ok. mm |
|-------------------|-------------------------|---------------------------------|
| 190-01            | 19                      | 10                              |
| 190-02            | 24                      | 10                              |
| 190-03            | 29                      | 10                              |

**200. Distilling adapters, with hose connection**  
Nasadki proste z rurką ssącą do pompy

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Height mm<br>Długość ok. mm |
|-------------------|-------------------------|------------------------|-----------------------------|
| 200-01            | 19                      | 19                     | 120                         |
| 200-02            | 24                      | 24                     | 150                         |
| 200-03            | 29                      | 29                     | 150                         |



**201. Straight adapters, with inner delivery tube**  
Nasadki proste z rurką dopływową

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Height mm<br>Długość ok. mm |
|-------------------|-------------------------|------------------------|-----------------------------|
| 201-01            | 14,5                    | 14,5                   | 100                         |
| 201-02            | 19                      | 19                     | 120                         |
| 201-03            | 29                      | 29                     | 150                         |
| 201-04            | 45                      | 45                     | 150                         |



**210. Straight adapters, with offset stem**  
Nasadki proste z wylewem

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|-------------------------|------------------------|
| 210-01            | 19                      | 19                     |
| 210-02            | 24                      | 24                     |
| 210-03            | 29                      | 29                     |



**211. Connecting adapters**  
Nasadki mostkowe

| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. | Approx. Length mm<br>Długość ok. mm |
|-------------------|------------------------|-------------------------------------|
| 211-01            | 19 - 19                | 300                                 |
| 211-02            | 29 - 29                | 300                                 |



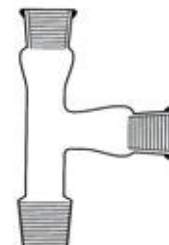
**212. U-Shaped adapters**  
Nasadki „U”

| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. |
|-------------------|------------------------|
| 212-01            | 14,5 - 14,5            |
| 212-02            | 19 - 19                |
| 212-03            | 29 - 29                |



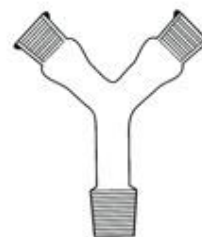
**213. T-Shaped adapters**  
Nasadki „T”

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Socket side joint<br>WS boczny | Height mm<br>Wysokość ok. mm |
|-------------------|-------------------------|------------------------|--------------------------------|------------------------------|
| 213-01            | 14,5                    | 14,5                   | 14,5                           | 70                           |
| 213-02            | 19                      | 19                     | 19                             | 80                           |
| 213-03            | 29                      | 29                     | 29                             | 90                           |



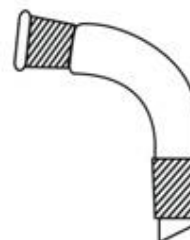
## 214. Y-Shaped adapters Nasadki „Y”

| Cat.no<br>Nr kat. | Socket joints<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|--------------------------|------------------------|
| 214-01            | 14,5                     | 14,5                   |
| 214-02            | 19                       | 19                     |
| 214-03            | 29                       | 29                     |



## 220. Connecting adapters bend 90° angle Nasadki zgięte pod kątem 90°

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Approx. height mm<br>Wysokość ok. mm |
|-------------------|-------------------------|------------------------|--------------------------------------|
| 220-01            | 14,5                    | 14,5                   | 100                                  |
| 220-02            | 19                      | 19                     | 120                                  |
| 220-03            | 29                      | 29                     | 150                                  |



## 221. Connecting adapters, bend, 105° - 135° angle Nasadki zgięte pod kątem 105° - 135°

| Cat. No<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Approx. height mm<br>Wysokość ok. mm |
|--------------------|-------------------------|------------------------|--------------------------------------|
| 221-01             | 14,5                    | 14,5                   | 100                                  |
| 221-02             | 19                      | 19                     | 120                                  |
| 221-03             | 29                      | 29                     | 150                                  |



## 230. Vacuum adapters, 90° bend and hose connectin Nasadki z haczykami i rurką do węza zgiętą pod kątem 90°

| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. | Approx. sidearm OD mm<br>Śr. oliwki ok. mm |
|-------------------|------------------------|--|
| 230-01            | 14,5                   | 12   |
| 230-02            | 19                     | 12   |
| 230-03            | 24                     | 12   |
| 230-04            | 29                     | 12   |
| 230-05            | 34,5                   | 12   |



## 231. Vacuum adapters, straight Nasadki z rurką prostą

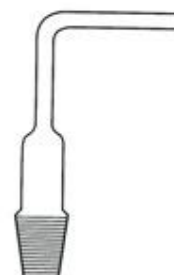
| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. | Tube OD mm<br>Średnica rurki mm |
|-------------------|------------------------|---------------------------------|
| 231-01            | 14,5                   | 8                               |
| 231-02            | 19                     | 8                               |
| 231-03            | 29                     | 12                              |
| 231-04            | 45                     | 12                              |



**232. Vacuum adapters, 90° bend**

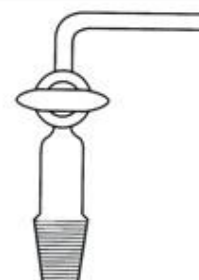
Nasadki z rurką zgiętą pod kątem 90°

| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. | Tube OD mm<br>Średnica rurki mm |
|-------------------|------------------------|---------------------------------|
| 232-01            | 14,5                   | 8                               |
| 232-02            | 19                     | 8                               |
| 232-03            | 29                     | 12                              |
| 232-04            | 45                     | 12                              |

**233. Vacuum stopcock adapters, 90° bend**

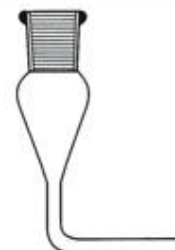
Nasadki z kurkiem zagiętą pod kątem 90°

| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. | Bore mm<br>Średnica przełotu kurki mm |
|-------------------|------------------------|---------------------------------------|
| 233-01            | 14,5                   | 1,6                                   |
| 233-02            | 19                     | 2,5                                   |
| 233-03            | 29                     | 2,5                                   |
| 233-04            | 45                     | 4                                     |

**234. Vacuum adapters, 90° bend**

Nasadki z rurką pod kątem 90°

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Tube OD mm<br>Średnica rurki mm |
|-------------------|-------------------------|---------------------------------|
| 234-01            | 14,5                    | 8                               |
| 234-02            | 19                      | 8                               |
| 234-03            | 29                      | 12                              |
| 234-04            | 45                      | 12                              |

**235. Vacuum stopcock adapters, 90° bend**

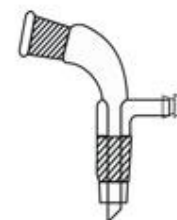
Nasadki z kurkiem (rurka pod kątem 90°)

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Tube OD mm<br>Średnica rurki mm | Bore mm<br>Średnica przełotu mm |
|-------------------|-------------------------|---------------------------------|---------------------------------|
| 235-01            | 14,5                    | 8                               | 1,6                             |
| 235-02            | 19                      | 8                               | 2,5                             |
| 235-03            | 29                      | 8                               | 2,5                             |
| 235-04            | 45                      | 10                              | 4                               |

**240. Vacuum-distilling adapters, 105° bend**

Nasadki próżniowe zgięte pod kątem 105°

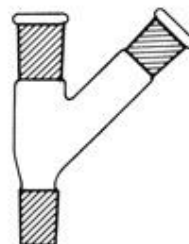
| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Approx. height mm<br>Wysokość ok. mm |
|-------------------|-------------------------|------------------------|--------------------------------------|
| 240-01            | 14,5                    | 14,5                   | 100                                  |
| 240-02            | 19                      | 14,5                   | 120                                  |
| 240-03            | 19                      | 19                     | 120                                  |
| 240-04            | 19                      | 24                     | 120                                  |
| 240-05            | 24                      | 24                     | 150                                  |
| 240-06            | 29                      | 29                     | 150                                  |





**250. Connecting adapters, three-way, sidearm<sup>o</sup> at 45° angle**  
 Nasadki z odgałęzieniem pod kątem 45°

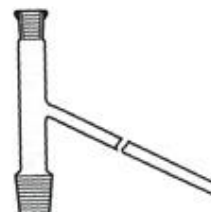
| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Socket side joint<br>WS wew. boczny |
|-------------------|-------------------------|------------------------|-------------------------------------|
| 250-01            | 14,5                    | 19                     | 19                                  |
| 250-02            | 14,5                    | 19                     | 24                                  |
| 250-03            | 19                      | 29                     | 29                                  |


**251. Connecting adapters, three-way, parallel sidearm**  
 Nasadki z odgałęzieniem równoległym

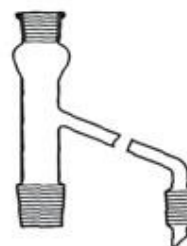
| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Socket side joint<br>WS wew. boczny |
|-------------------|-------------------------|------------------------|-------------------------------------|
| 251-01            | 14,5                    | 29                     | 14,5                                |
| 251-02            | 29                      | 45                     | 14,5                                |
| 251-03            | 45                      | 45                     | 14,5                                |
| 251-04            | 29                      | 29                     | 29                                  |
| 251-05            | 45                      | 45                     | 29                                  |


**252. Distilling adapters, with side tube at 75° angle**  
 Nasadki do destylacji z rurką boczną, kąt 75°

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Tube OD mm<br>Średnica rurki mm |
|-------------------|-------------------------|------------------------|---------------------------------|
| 252-01            | 14,5                    | 14,5                   | 8                               |
| 252-02            | 14,5                    | 19                     | 8                               |
| 252-03            | 14,5                    | 29                     | 12                              |
| 252-04            | 14,5                    | 45                     | 12                              |


**253. Distilling adapters, sidearm at 75° angle**  
 Nasadki do destylacji z odgałęzieniem, kąt 75°

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Cone side joint<br>WS zewn. boczny |
|-------------------|-------------------------|------------------------|------------------------------------|
| 253-01            | 14,5                    | 14,5                   | 14,5                               |
| 253-02            | 14,5                    | 19                     | 19                                 |
| 253-03            | 14,5                    | 29                     | 29                                 |
| 253-04            | 14,5                    | 45                     | 29                                 |


**260. Connecting adapters, Claisen type**  
 Nasadki do destylacji wg Claisen'a

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Socket side joint<br>WS wew. boczny |
|-------------------|-------------------------|------------------------|-------------------------------------|
| 260-01            | 14,5                    | 14,5                   | 14,5                                |
| 260-02            | 14,5                    | 19                     | 19                                  |
| 260-03            | 14,5                    | 19                     | 24                                  |
| 260-04            | 14,5                    | 19                     | 34,5                                |
| 260-05            | 14,5                    | 24                     | 24                                  |
| 260-06            | 14,5                    | 29                     | 29                                  |
| 260-07            | 14,5                    | 29                     | 45                                  |



## 261. Distilling adapters, sidearm at 75° angle

Nasadki do destylacji, ramie boczne pod kątem 75

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Cone side joint<br>WS zewn. boczny |
|-------------------|-------------------------|------------------------|------------------------------------|
| 261-01            | 14,5                    | 14,5                   | 14,5                               |
| 261-02            | 14,5                    | 19                     | 19                                 |
| 261-03            | 14,5                    | 29                     | 29                                 |
| 261-04            | 14,5                    | 45                     | 29                                 |



## 262. Steam-distillation adapters

Nasadki do destylacji z parą wodną

| Cat.no<br>Nr kat. | Cone joints<br>WS zewn. |
|-------------------|-------------------------|
| 262-01            | 19 - 19                 |
| 262-02            | 29 - 29                 |



## 263. Splash-guard distilling adapters, pear shaped

Nasadki do destylacji gruszkowe z łapaczem kropel

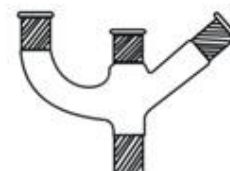
| Cat.no<br>Nr kat. | Bulb diameter mm<br>Średnica bańki mm |
|-------------------|---------------------------------------|
| 263-01            | 60                                    |



## 270. Claisen type adapters, one vertical sidearm and one at 45° angle

Nasadki do destylacji wg Claisen'a z odgałęzieniem pod kątem 45

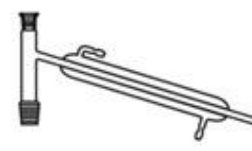
| Cat.no<br>Nr kat. | All sockets joints<br>Wszystkie WS wew. | Cone joint<br>WS zewn. |
|-------------------|---|------------------------|
| 270-01            | 19                                      | 19                     |
| 270-02            | 19                                      | 24                     |



## 271. Distilling units

Nasadki do destylacji z chłodnicą Liebig'a

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Jacket length mm<br>Długość płaszczki chłodnicy mm |
|-------------------|-------------------------|------------------------|--|
| 271-01            | 14,5                    | 14,5                   | 200  |
| 271-02            | 14,5                    | 19                     | 400  |
| 271-03            | 14,5                    | 29                     | 400  |
| 271-04            | 14,5                    | 29                     | 700  |
| 271-05            | 14,5                    | 45                     | 400  |





## 272. Distilling units, water-cooled condenser joints

Nasadki do destylacji z chłodnicą Liebig'a (szlif chłodzony wodą)

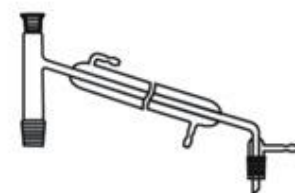
| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Cone side joint<br>WS zewn. boczny | Jacket length mm<br>Długość płaszczki chłodnicy mm |
|-------------------|-------------------------|------------------------|------------------------------------|--|
| 272-01            | 14,5                    | 14,5                   | 19                                 | 200  |
| 272-02            | 14,5                    | 19                     | 19                                 | 300  |
| 272-03            | 14,5                    | 29                     | 29                                 | 400  |



## 273. Vacuum-distilling units

Nasadki do destylacji z chłodnicą Liebig'a (z rurką ssącą do pompy)

| Cat.no<br>Nr kat. | Socket joint<br>WS wew. | Cone joints<br>WS zewn. | Jacket length mm<br>Długość płaszczki chłodnicy mm |
|-------------------|-------------------------|-------------------------|--|
| 273-01            | 14,5                    | 14,5                    | 200  |
| 273-02            | 14,5                    | 29                      | 200  |
| 273-03            | 14,5                    | 29                      | 400  |
| 273-04            | 14,5                    | 29                      | 700  |



## 274. Distilling units, Claisen head, water-cooled condensers joint

Nasadki do destylacji wg Claisen'a z chłodnicą Liebig'a (szlif chłodzony wodą)

| Cat.no<br>Nr kat. | Socket joints<br>WS wew. | Cone joints<br>WS zewn. | Jacket length mm<br>Długość płaszczki chłodnicy mm |
|-------------------|--------------------------|-------------------------|--|
| 274-01            | 14,5                     | 14,5                    | 150  |
| 274-02            | 14,5                     | 14,5                    | 300  |



## 275. Distilling units, Claisen head

Nasadki do destylacji wg Claisen'a z chłodnicą Liebig'a

| Cat.no<br>Nr kat. | Socket joints<br>WS wew. | Cone joints<br>WS zewn. | Jacket length mm<br>Długość płaszczki chłodnicy mm |
|-------------------|--------------------------|-------------------------|--|
| 275-01            | 14,5                     | 19                      | 200  |
| 275-02            | 14,5                     | 19                      | 400  |
| 275-03            | 14,5                     | 29                      | 200  |
| 275-04            | 14,5                     | 29                      | 400  |
| 275-05            | 14,5                     | 29                      | 700  |



## 276. Gas washig bottle adapters, Drechsel type

Nasadki Drechsel'a

| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. |
|-------------------|------------------------|
| 276-01            | 29                     |



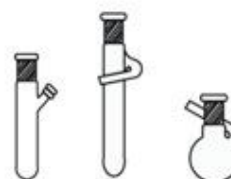
## 277. Washing bottle adapters Nasadki tryskawkowe

| Cat.no<br>Nr kat. | Fits flask cm <sup>3</sup><br>Do kolby o poj. cm <sup>3</sup> | Cone joint<br>WS zewn. |
|-------------------|---|------------------------|
| 277-01            | 250   | 29                     |
| 277-02            | 500   | 29                     |
| 277-03            | 1000  | 29                     |



## 300. Filtering tubes, filtering round-bottom flasks Odbieralniki powietrzne

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wewn. |
|-------------------|---|--------------------------|
| 300-01            | 10  | 14,5                     |
| 300-02            | 10  | 14,5                     |
| 300-03            | 25  | 14,5                     |



## 301. Erlenmeyer flasks Odbieralniki stożkowe

| Cat. No<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wewn. |
|--------------------|---|--------------------------|
| 301-01             | 100   | 19                       |
| 301-02             | 150   | 29                       |
| 301-03             | 250   | 29                       |



## 302. Recovery flasks Odbieralniki gruszkowe

| Cat. No<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wewn. |
|--------------------|---|--------------------------|
| 302-01             | 10  | 14,5                     |
| 302-02             | 25  | 14,5                     |
| 302-03             | 50  | 19                       |
| 302-04             | 100   | 19                       |
| 302-05             | 250   | 29                       |



## 303. Round-bottom flasks Odbieralniki z dnem kulistym

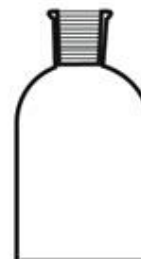
| Cat. No<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wewn. |
|--------------------|---|--------------------------|
| 303-01             | 10  | 14,5                     |
| 303-02             | 25  | 14,5                     |
| 303-03             | 50  | 14,5                     |
| 303-04             | 50  | 19                       |
| 303-05             | 100   | 19                       |
| 303-06             | 250   | 19                       |
| 303-07             | 250   | 29                       |



**304. Bottles**

Odbieralniki cylindryczne

| Cat. No<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. |
|--------------------|---|-------------------------|
| 304-01             | 10  | 14,5                    |
| 304-02             | 25  | 14,5                    |
| 304-03             | 50  | 19                      |
| 304-04             | 100   | 19                      |
| 304-05             | 100   | 29                      |



**310. Bottles, with stopper**

Butelki laboratoryjne z korkiem zamkniętym

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. |
|-------------------|---|-------------------------|
| 310-01            | 50  | 19                      |
| 310-02            | 50  | 24                      |
| 310-03            | 100   | 14,5                    |
| 310-04            | 100   | 19                      |
| 310-05            | 150   | 34,5                    |



**311. Bottles, acc. Winkler**

Butelki Winkler'a

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. |
|-------------------|---|-------------------------|
| 311-01            | 100   | 19                      |
| 311-02            | 250   | 29                      |



**320. Erlenmeyer flasks**

Kolby stożkowe wg Erlenmeyer'a

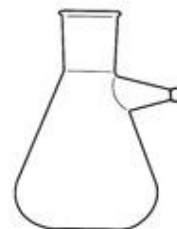
| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. |
|-------------------|---|-------------------------|
| 320-01            | 5   | 14,5                    |
| 320-02            | 10  | 14,5                    |
| 320-03            | 25  | 14,5                    |
| 320-04            | 50  | 14,5                    |
| 320-05            | 100   | 14,5                    |
| 320-06            | 10  | 19                      |
| 320-07            | 25  | 19                      |
| 320-08            | 50  | 19                      |
| 320-09            | 100   | 19                      |
| 320-10            | 25  | 24                      |
| 320-11            | 50  | 24                      |
| 320-12            | 100   | 24                      |
| 320-13            | 50  | 29                      |
| 320-14            | 100   | 29                      |
| 320-15            | 250   | 29                      |
| 320-16            | 300   | 29                      |
| 320-17            | 500   | 29                      |
| 320-18            | 1000  | 29                      |
| 320-19            | 250   | 45                      |
| 320-20            | 300   | 45                      |



**322. Filtering flasks**

Kolby stożkowe próżniowe

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket<br>WS wew. | Tube OD mm<br>Średnica rurki mm |
|-------------------|---|-------------------|---------------------------------|
| 322-01            | 100   | 19                | 12                              |
| 322-02            | 100   | 29                | 12                              |
| 322-03            | 250   | 29                | 12                              |
| 322-04            | 300   | 29                | 12                              |
| 322-05            | 500   | 29                | 12                              |
| 322-06            | 1000  | 29                | 12                              |
| 322-07            | 2000  | 29                | 12                              |
| 322-08            | 3000  | 29                | 12                              |

**330. Round-bottom flasks, short neck**

Kolby kuliste, krótka szyja

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Approx. diameter mm<br>Przybliżona średnica mm |
|-------------------|---|-------------------------|--|
| 330-01            | 5   | 14,5                    | 25   |
| 330-02            | 10  | 14,5                    | 30   |
| 330-03            | 25  | 14,5                    | 41   |
| 330-04            | 50  | 14,5                    | 51   |
| 330-05            | 100   | 14,5                    | 64   |
| 330-06            | 25  | 19                      | 41   |
| 330-07            | 50  | 19                      | 51   |
| 330-08            | 100   | 19                      | 64   |
| 330-09            | 25  | 24                      | 41   |
| 330-10            | 50  | 24                      | 51   |
| 330-11            | 100   | 24                      | 64   |
| 330-12            | 500   | 24                      | 105  |
| 330-13            | 50  | 29                      | 51   |
| 330-14            | 100   | 29                      | 64   |
| 330-15            | 250   | 29                      | 85   |
| 330-16            | 500   | 29                      | 105  |
| 330-17            | 1000  | 29                      | 131  |
| 330-18            | 2000  | 29                      | 166  |
| 330-19            | 500   | 34,5                    | 105  |
| 330-20            | 1000  | 34,5                    | 131  |
| 330-21            | 250   | 45                      | 85   |
| 330-22            | 500   | 45                      | 105  |
| 330-23            | 1000  | 45                      | 131  |
| 330-24            | 2000  | 45                      | 166  |

**331. Round-bottom flasks, long neck**

Kolby kuliste, długa szyja (ze szlifem)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Approx. diameter mm<br>Przybliżona średnica mm |
|-------------------|---|-------------------------|--|
| 331-01            | 25  | 19                      | 41   |
| 331-02            | 50  | 19                      | 51   |
| 331-03            | 100   | 19                      | 64   |
| 331-04            | 250   | 29                      | 85   |
| 331-05            | 500   | 29                      | 105  |
| 331-06            | 1000  | 29                      | 131  |
| 331-07            | 2000  | 29                      | 166  |
| 331-08            | 2000  | 45                      | 166  |



**332. Flat-bottom flasks, short neck**

Kolby płaskodenne, krótka szyja (ze szlifem)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Approx. diameter mm<br>Przybliżona średnica mm |
|-------------------|---|-------------------------|--|
| 332-01            | 5   | 14,5                    | 25   |
| 332-02            | 10  | 14,5                    | 30   |
| 332-03            | 25  | 14,5                    | 41   |
| 332-04            | 50  | 14,5                    | 51   |
| 332-05            | 100   | 14,5                    | 64   |
| 332-06            | 25  | 19                      | 41   |
| 332-07            | 50  | 19                      | 51   |
| 332-08            | 100   | 19                      | 64   |
| 332-09            | 25  | 24                      | 41   |
| 332-10            | 50  | 24                      | 51   |
| 332-11            | 100   | 24                      | 64   |
| 332-12            | 50  | 29                      | 51   |
| 332-13            | 100   | 29                      | 64   |
| 332-14            | 250   | 29                      | 85   |
| 332-15            | 500   | 29                      | 105  |
| 332-16            | 1000  | 29                      | 131  |
| 332-17            | 2000  | 29                      | 166  |
| 332-18            | 250   | 45                      | 85   |
| 332-19            | 500   | 45                      | 105  |
| 332-20            | 1000  | 45                      | 131  |
| 332-21            | 2000  | 45                      | 166  |



**333. Flat-bottom flasks, long neck**

Kolby płaskodenne, długa szyja

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Approx. diameter mm<br>Przybliżona średnica mm |
|-------------------|---|-------------------------|--|
| 333-01            | 25  | 19                      | 41   |
| 333-02            | 50  | 19                      | 51   |
| 333-03            | 100   | 19                      | 64   |
| 333-04            | 100   | 29                      | 64   |
| 333-05            | 250   | 29                      | 85   |
| 333-06            | 500   | 29                      | 105  |
| 333-07            | 1000  | 29                      | 131  |
| 333-08            | 2000  | 29                      | 166  |
| 333-09            | 2000  | 45                      | 166  |



**340. Evaporating flasks**

Kolby gruszkowe (florentynki)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. |
|-------------------|---|-------------------------|
| 340-01            | 5   | 14,5                    |
| 340-02            | 10  | 14,5                    |
| 340-03            | 25  | 14,5                    |
| 340-04            | 50  | 14,5                    |
| 340-05            | 100   | 14,5                    |
| 340-06            | 10  | 19                      |
| 340-07            | 25  | 19                      |
| 340-08            | 50  | 19                      |
| 340-09            | 100   | 19                      |
| 340-10            | 100   | 24                      |
| 340-11            | 50  | 29                      |
| 340-12            | 150   | 29                      |
| 340-13            | 250   | 29                      |
| 340-14            | 500   | 29                      |

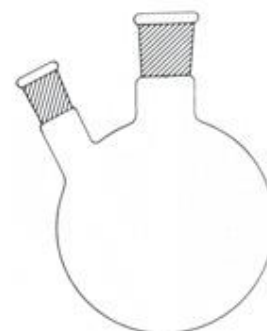


**341. Evaporating flasks with hooks, for dropping funnel**  
 Kolby gruszkowe z haczykami (do wkraplania)

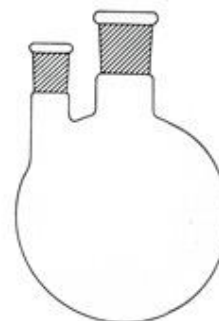
| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Height mm<br>Wysokość mm |
|-------------------|---|-------------------------|--------------------------|
| 341-01            | 10  | 14,5                    | 60                       |
| 341-02            | 25  | 14,5                    | 80                       |
| 341-03            | 50  | 14,5                    | 100                      |
| 341-04            | 100   | 14,5                    | 123                      |
| 341-05            | 250   | 14,5                    | 170                      |


**350. Two-angled neck round - bottom flasks**  
 Kolby kuliste dwuszyjne - szyjki skośne

| Cat.no<br>mm<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Socket side joint<br>WS wew. boczny | Approx. diameter<br>Przybliżona średnica mm |
|-------------------------|---|-------------------------|-------------------------------------|---|
| 350-01                  | 10  | 14,5                    | 14,5                                | 30  |
| 350-02                  | 25  | 14,5                    | 14,5                                | 41  |
| 350-03                  | 50  | 14,5                    | 14,5                                | 51  |
| 350-04                  | 100   | 14,5                    | 14,5                                | 64  |
| 350-05                  | 25  | 19                      | 14,5                                | 41  |
| 350-06                  | 50  | 19                      | 14,5                                | 51  |
| 350-07                  | 100   | 19                      | 14,5                                | 64  |
| 350-08                  | 100   | 24                      | 14,5                                | 64  |
| 350-09                  | 50  | 29                      | 14,5                                | 41  |
| 350-10                  | 100   | 29                      | 14,5                                | 64  |
| 350-11                  | 250   | 29                      | 14,5                                | 85  |
| 350-12                  | 500   | 29                      | 14,5                                | 105   |
| 350-13                  | 1000  | 29                      | 14,5                                | 131   |
| 350-14                  | 2000  | 45                      | 14,5                                | 166   |
| 350-15                  | 2000  | 45                      | 29                                  | 166   |


**351. Two-parallel neck round - bottom flasks**  
 Kolby kuliste dwuszyjne - szyjki równoległe

| Cat.no<br>mm<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Socket side joint<br>WS wew. boczny | Approx. diameter<br>Przybliżona średnica mm |
|-------------------------|---|-------------------------|-------------------------------------|---|
| 351-01                  | 10  | 14,5                    | 14,5                                | 30  |
| 351-02                  | 25  | 14,5                    | 14,5                                | 41  |
| 351-03                  | 50  | 14,5                    | 14,5                                | 51  |
| 351-04                  | 100   | 14,5                    | 14,5                                | 64  |
| 351-05                  | 25  | 19                      | 14,5                                | 41  |
| 351-06                  | 50  | 19                      | 14,5                                | 51  |
| 351-07                  | 100   | 19                      | 14,5                                | 64  |
| 351-08                  | 100   | 24                      | 14,5                                | 64  |
| 351-09                  | 50  | 29                      | 14,5                                | 41  |
| 351-10                  | 100   | 29                      | 14,5                                | 64  |
| 351-11                  | 250   | 29                      | 14,5                                | 85  |
| 351-12                  | 500   | 29                      | 14,5                                | 105   |
| 351-13                  | 1000  | 29                      | 14,5                                | 131   |
| 351-14                  | 2000  | 45                      | 14,5                                | 166   |
| 351-15                  | 2000  | 45                      | 29                                  | 166   |

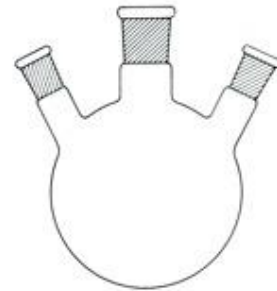




**360. Three-angled neck round - bottom flasks**

Kolby kuliste trójszyjne - szyjki skośne

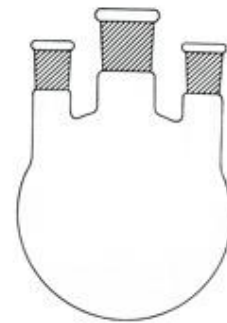
| Cat.no<br>diameter mm    | Capacity cm <sup>3</sup>  | Socket joint     | Socket side joints | Approx.                 |
|--------------------------|---------------------------|------------------|--------------------|-------------------------|
| Nr kat.<br>Prześnitka mm | Pojemność cm <sup>3</sup> | WS wew. środkowy | WS wew. boczne     | Przybliżona średnica mm |
| 360-01                   | 25                        | 14,5             | 14,5               | 41                      |
| 360-02                   | 50                        | 14,5             | 14,5               | 51                      |
| 360-03                   | 100                       | 14,5             | 14,5               | 64                      |
| 360-04                   | 25                        | 19               | 14,5               | 41                      |
| 360-05                   | 50                        | 19               | 14,5               | 51                      |
| 360-06                   | 100                       | 19               | 14,5               | 64                      |
| 360-07                   | 25                        | 24               | 14,5               | 41                      |
| 360-08                   | 50                        | 24               | 14,5               | 51                      |
| 360-09                   | 100                       | 24               | 14,5               | 64                      |
| 360-10                   | 50                        | 29               | 14,5               | 51                      |
| 360-11                   | 100                       | 29               | 14,5               | 64                      |
| 360-12                   | 250                       | 29               | 14,5               | 85                      |
| 360-13                   | 500                       | 29               | 14,5               | 105                     |
| 360-14                   | 1000                      | 29               | 14,5               | 131                     |
| 360-15                   | 250                       | 29               | 19                 | 85                      |
| 360-16                   | 2000                      | 45               | 14,5               | 166                     |



**361. Three-parallel neck round - bottom flasks**

Kolby kuliste trójszyjne - szyjki równoległe

| Cat.no<br>diameter mm    | Capacity cm <sup>3</sup>  | Socket joint     | Socket side joints | Approx.                 |
|--------------------------|---------------------------|------------------|--------------------|-------------------------|
| Nr kat.<br>Prześnitka mm | Pojemność cm <sup>3</sup> | WS wew. środkowy | WS wew. boczne     | Przybliżona średnica mm |
| 361-01                   | 25                        | 14,5             | 14,5               | 41                      |
| 361-02                   | 50                        | 14,5             | 14,5               | 51                      |
| 361-03                   | 100                       | 14,5             | 14,5               | 64                      |
| 361-04                   | 25                        | 19               | 14,5               | 41                      |
| 361-05                   | 50                        | 19               | 14,5               | 51                      |
| 361-06                   | 100                       | 19               | 14,5               | 64                      |
| 361-07                   | 25                        | 24               | 14,5               | 41                      |
| 361-08                   | 50                        | 24               | 14,5               | 51                      |
| 361-09                   | 100                       | 24               | 14,5               | 64                      |
| 361-10                   | 50                        | 29               | 14,5               | 51                      |
| 361-11                   | 100                       | 29               | 14,5               | 64                      |
| 361-12                   | 250                       | 29               | 14,5               | 85                      |
| 361-13                   | 500                       | 29               | 14,5               | 105                     |
| 361-14                   | 1000                      | 29               | 14,5               | 131                     |
| 361-15                   | 250                       | 29               | 19                 | 85                      |
| 361-16                   | 2000                      | 45               | 14,5               | 166                     |



**370. Pear - shaped flasks**

Kolby sercowe ze szlifem

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Height mm<br>Wysokość ok. mm |
|-------------------|---|-------------------------|------------------------------|
| 370-01            | 5   | 14,5                    | 58                           |
| 370-02            | 10  | 14,5                    | 62                           |
| 370-03            | 25  | 14,5                    | 75                           |
| 370-04            | 50  | 14,5                    | 88                           |
| 370-05            | 100   | 14,5                    | 103                          |
| 370-06            | 10  | 19                      | 62                           |
| 370-07            | 25  | 19                      | 75                           |
| 370-08            | 50  | 19                      | 88                           |
| 370-09            | 100   | 19                      | 103                          |
| 370-10            | 100   | 24                      | 103                          |
| 370-11            | 50  | 29                      | 88                           |
| 370-12            | 100   | 29                      | 103                          |



**371. Kjeldahl flasks**

Kolby Kjeldahl'a

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Height mm<br>Wysokość mm | Diameter mm<br>Średnica mm |
|-------------------|---|--------------------------|----------------------------|
| 371-01            | 25  | 190                      | 40                         |
| 371-02            | 50  | 200                      | 50                         |
| 371-03            | 100   | 200                      | 65                         |
| 371-04            | 250   | 270                      | 85                         |
| 371-05            | 500   | 300                      | 100                        |

**372. Iodine determination flasks**

Kolby do oznaczania liczby jodowej

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. |
|-------------------|---|-------------------------|
| 372-01            | 5   | 14,5                    |
| 372-02            | 25  | 14,5                    |
| 372-03            | 25  | 19                      |
| 372-04            | 50  | 19                      |
| 372-05            | 100   | 19                      |
| 372-06            | 100   | 29                      |
| 372-07            | 250   | 29                      |
| 372-08            | 300   | 29                      |
| 372-09            | 500   | 29                      |
| 372-10            | 250   | 45                      |

**373. Distillation flasks, acc. Engler**

Kolby destylacyjne wg Engler'a

| Cat.no<br>mm<br>Nr kat.<br>mm | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Height mm<br>Wysokość mm | Tube length mm<br>Dł. rurki bocznej mm | Tube OD<br>Średnica rurki bocznej |
|-------------------------------|---|--------------------------|--|-----------------------------------|
| 373-01                        | 100   | 150                      | 100                                    | 5                                 |
| 373-02                        | 125   | 200                      | 100                                    | 7                                 |
| 373-03                        | 150   | 230                      | 100                                    | 5                                 |
| 373-04                        | 250   |                          |  |                                   |

**374. Washing bottles**

Kolby tryskawkowe (komplet)

| Cat. No<br>joint<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Height mm<br>Wysokość kolby mm | Flasks OD mm<br>Średnica mm | Socket<br>WS wew |
|-----------------------------|---|--------------------------------|-----------------------------|------------------|
| 374-01                      | 250   | 150                            | 85                          | 29               |
| 374-02                      | 500   | 200                            | 105                         | 29               |
| 374-03                      | 1000  | 230                            | 131                         | 29               |

**375. Dropping bottles**

Kropłówki z korkiem

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>średnica gniazda |
|-------------------|---|----------------------------------|
| 375-01            | 60  | 12,5                             |
| 375-02            | 100   | 12,5                             |



**376. Distillation flasks**

Kolby destylacyjne, rurka u góry (dolu)

| Cat.no<br>mm | Capacity cm <sup>3</sup>  | Height mm   | Tube length mm | Tube OD           |
|--------------|---------------------------|-------------|----------------|-------------------|
| Nr kat.      | Pojemność cm <sup>3</sup> | Wysokość mm | Dł. rurki mm   | Srednica rurki mm |
| 376-01       | 50                        | 120         | 200            | 8                 |
| 376-02       | 100                       | 150         | 200            | 8                 |
| 376-03       | 150                       | 170         | 200            | 8                 |
| 376-04       | 250                       | 200         | 200            | 8                 |
| 376-05       | 500                       | 250         | 200            | 8                 |
| 376-06       | 1000                      | 300         | 250            | 12                |



**377. Flasks, Widmark type**

Kolby wg. Widmark'a

| Cat.no  | Capacity cm <sup>3</sup>  | Socket joint |
|---------|---------------------------|--------------|
| Nr kat. | Pojemność cm <sup>3</sup> | WS wew.      |
| 377-01  | 50                        | 19           |
| 377-02  | 100                       | 29           |



**380. Two-neck pear-shape flasks, angled**

Kolby sercowe dwuszyjne skośne

| Cat.no  | Capacity cm <sup>3</sup>  | Socket joint     | Socket side joint |
|---------|---------------------------|------------------|-------------------|
| Nr kat. | Pojemność cm <sup>3</sup> | WS wew. środkowy | WS wew. boczny    |
| 380-01  | 50                        | 14,5             | 14,5              |



**390. Three-neck pear-shape flasks, one neck angled**

Kolby sercowe trójszyjne skośne

| Cat.no  | Capacity cm <sup>3</sup>  | Socket joint     | Socket side joints |
|---------|---------------------------|------------------|--------------------|
| Nr kat. | Pojemność cm <sup>3</sup> | WS wew. środkowy | WS wew. boczne     |
| 390-01  | 25                        | 10               | 10                 |
| 390-02  | 50                        | 14,5             | 14,5               |



**BOTTLES, GASWASH, WEIGHTING BOTTLES****391. Gas wash bottles, acc. Drechsel**  
Płuczki Drechsel' a butelkowe (komplet)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. |
|-------------------|---|-------------------------|
| 391-01            | 100   | 29                      |
| 391-02            | 200   | 29                      |
| 391-03            | 250   | 29                      |
| 391-04            | 500   | 29                      |

**392. Gas wash tube, acc. Zaitzev**  
Płuczki do gazów Zajcewa

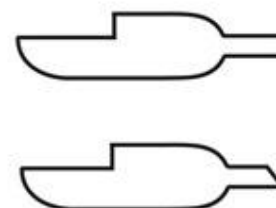
| Cat.no<br>Nr kat. | Size<br>Wielkość |
|-------------------|------------------|
| 392-01            | small / mała     |
| 392-02            | big / duża       |

**393. Gas wash tube, acc. Poleshaev**  
Płuczki Poleżajewa

| Cat.no<br>Nr kat. | Size<br>Wielkość | Socket joint<br>WS wew. |
|-------------------|------------------|-------------------------|
| 393-01            | small / mała     | 14,5                    |
| 393-02            | big / duża       | 14,5                    |

**394. Weighting bottles**  
Naczynka wagowe (specjalistyczne)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Type<br>Typ       |
|-------------------|---|-------------------|
| 394-01            | 0,5   | straight / proste |
| 394-02            | 1,0   | straight / proste |
| 394-03            | 1,5   | straight / proste |
| 394-04            | 3,0   | straight / proste |
| 394-05            | 8,0   | straight / proste |
| 394-06            | 12,0  | angled / skośne   |
| 394-07            | 30,0  | angled / skośne   |



# BOTTLES, GASWASH, WEIGHTING BOTTLES

## 395. Weighting bottles, type A

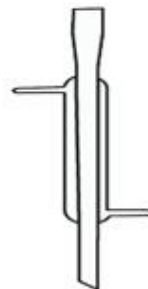
Naczynka wagowe, typ A

| Cat.no<br>Nr kat. | OD mm<br>Średnica mm | Jacket length mm<br>Wysokość zbiornika mm |
|-------------------|----------------------|---|
| 395-01            | 20                   | 20  |
| 395-02            | 25                   | 25  |
| 395-03            | 25                   | 40  |
| 395-04            | 25                   | 100                                       |
| 395-05            | 30                   | 25  |
| 395-06            | 30                   | 30  |
| 395-07            | 30                   | 40  |
| 395-08            | 30                   | 50  |
| 395-09            | 35                   | 40  |
| 395-10            | 35                   | 70  |
| 395-11            | 40                   | 30  |
| 395-12            | 40                   | 40  |
| 395-13            | 40                   | 45  |
| 395-14            | 40                   | 80  |
| 395-15            | 45                   | 120                                       |
| 395-16            | 50                   | 30  |
| 395-17            | 50                   | 40  |
| 395-18            | 50                   | 50  |
| 395-19            | 50                   | 70  |
| 395-20            | 50                   | 120                                       |
| 395-21            | 50                   | 100                                       |
| 395-22            | 60                   | 50  |
| 395-23            | 60                   | 60  |
| 395-24            | 65                   | 30  |
| 395-25            | 70                   | 40  |
| 395-26            | 80                   | 30  |
| 395-27            | 80                   | 80  |
| 395-28            | 100                  | 100                                       |



**400. Liebig condensers, without joints**  
Chłodnice wg Liebig'a bez szlifów

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm |
|-------------------|---------------------------------------|--|
| 400-01            | 26                                    | 100                                      |
| 400-02            | 26                                    | 200                                      |
| 400-03            | 26                                    | 300                                      |
| 400-04            | 26                                    | 400                                      |
| 400-05            | 34                                    | 500                                      |
| 400-06            | 34                                    | 800                                      |



**410. Liebig condensers, with cone joint**  
Chłodnice wg Liebig'a z jednym szlifem

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm | Cone joint<br>WS zewn. |
|-------------------|---------------------------------------|--|------------------------|
| 410-01            | 26                                    | 100                                      | 19                     |
| 410-02            | 26                                    | 200                                      | 19                     |
| 410-03            | 26                                    | 300                                      | 19                     |
| 410-04            | 26                                    | 400                                      | 19                     |
| 410-05            | 34                                    | 500                                      | 19                     |
| 410-06            | 26                                    | 100                                      | 29                     |
| 410-07            | 26                                    | 200                                      | 29                     |
| 410-08            | 26                                    | 300                                      | 29                     |
| 410-09            | 26                                    | 400                                      | 29                     |
| 410-10            | 34                                    | 500                                      | 29                     |



**420. Liebig condensers, with cone and socket joints**  
Chłodnice wg Liebig'a z dwoma szlifami

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|---------------------------------------|--|-------------------------|------------------------|
| 420-01            | 26                                    | 100                                      | 19                      | 19                     |
| 420-02            | 26                                    | 200                                      | 19                      | 19                     |
| 420-03            | 26                                    | 300                                      | 19                      | 19                     |
| 420-04            | 26                                    | 400                                      | 19                      | 19                     |
| 420-05            | 34                                    | 500                                      | 19                      | 19                     |
| 420-06            | 26                                    | 100                                      | 29                      | 29                     |
| 420-07            | 26                                    | 200                                      | 29                      | 29                     |
| 420-08            | 26                                    | 300                                      | 29                      | 29                     |
| 420-09            | 26                                    | 400                                      | 29                      | 29                     |
| 420-10            | 34                                    | 500                                      | 29                      | 29                     |
| 421-11            | 40                                    | 1000                                     | 29                      | 29                     |



**430. Allihn condensers, without joints**  
Chłodnice kulkowe bez szlifów

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm |
|-------------------|---------------------------------------|--|
| 430-01            | 40                                    | 100                                      |
| 430-02            | 40                                    | 200                                      |
| 430-03            | 40                                    | 300                                      |
| 430-04            | 40                                    | 400                                      |
| 430-05            | 40                                    | 500                                      |
| 430-06            | 40                                    | 600                                      |
| 430-07            | 40                                    | 800                                      |





**440. Allihn condensers - with cone joints**  
Chłodnice kulkowe z jednym szlifem

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczu mm | Jacket length mm<br>Długość płaszczu mm | Cone joint<br>WS zewn. |
|-------------------|--------------------------------------|---|------------------------|
| 440-01            | 40                                   | 100                                     | 19                     |
| 440-02            | 40                                   | 200                                     | 19                     |
| 440-03            | 40                                   | 300                                     | 19                     |
| 440-04            | 40                                   | 400                                     | 19                     |
| 440-05            | 40                                   | 500                                     | 19                     |
| 440-06            | 40                                   | 600                                     | 19                     |
| 440-07            | 40                                   | 100                                     | 29                     |
| 440-08            | 40                                   | 200                                     | 29                     |
| 440-09            | 40                                   | 300                                     | 29                     |
| 440-10            | 40                                   | 400                                     | 29                     |
| 440-11            | 40                                   | 500                                     | 29                     |
| 440-12            | 40                                   | 600                                     | 29                     |
| 440-13            | 40                                   | 400                                     | 45                     |



**450. Allihn condensers - with cone and socket joints**  
Chłodnice kulkowe z dwoma szlifami

| Cat.no<br>joint<br>Nr kat. | Jacket OD mm<br>Średnica płaszczu mm | Jacket length mm<br>Długość płaszczu mm | Socket joint<br>WS wew. | Cone<br>WS zewn. |
|----------------------------|--------------------------------------|---|-------------------------|------------------|
| 450-01                     | 40                                   | 100                                     | 19                      | 19               |
| 450-02                     | 40                                   | 200                                     | 19                      | 19               |
| 450-03                     | 40                                   | 300                                     | 19                      | 19               |
| 450-04                     | 40                                   | 400                                     | 19                      | 19               |
| 450-05                     | 40                                   | 500                                     | 19                      | 19               |
| 450-06                     | 40                                   | 600                                     | 19                      | 19               |
| 450-07                     | 40                                   | 200                                     | 29                      | 29               |
| 450-08                     | 40                                   | 300                                     | 29                      | 29               |
| 450-09                     | 40                                   | 400                                     | 29                      | 29               |
| 450-10                     | 40                                   | 500                                     | 29                      | 29               |
| 450-11                     | 40                                   | 600                                     | 29                      | 29               |
| 450-12                     | 40                                   | 700                                     | 29                      | 29               |
| 450-13                     | 40                                   | 850                                     | 29                      | 29               |



**460. Graham condensers - without joints**  
Chłodnice spiralne bez szlifów

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczu mm | Jacket length mm<br>Długość płaszczu mm |
|-------------------|--------------------------------------|---|
| 460-01            | 40                                   | 100                                     |
| 460-02            | 40                                   | 200                                     |
| 460-03            | 40                                   | 300                                     |
| 460-04            | 40                                   | 400                                     |
| 460-05            | 40                                   | 500                                     |
| 460-06            | 40                                   | 600                                     |



**470. Graham condensers - with socket joint**  
Chłodnice spiralne z jednym szlifem

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm | Socket joint<br>WS wew. |
|-------------------|---------------------------------------|--|-------------------------|
| 470-01            | 40                                    | 100                                      | 19                      |
| 470-02            | 40                                    | 200                                      | 19                      |
| 470-03            | 40                                    | 300                                      | 19                      |
| 470-04            | 40                                    | 400                                      | 19                      |
| 470-05            | 40                                    | 500                                      | 19                      |
| 470-06            | 40                                    | 600                                      | 19                      |
| 470-07            | 40                                    | 100                                      | 29                      |
| 470-08            | 40                                    | 200                                      | 29                      |
| 470-09            | 40                                    | 300                                      | 29                      |
| 470-10            | 40                                    | 400                                      | 29                      |
| 470-11            | 40                                    | 500                                      | 29                      |
| 470-12            | 40                                    | 600                                      | 29                      |
| 470-13            | 40                                    | 700                                      | 29                      |



**480. Graham condensers - with cone and socket joints**  
Chłodnice spiralne z dwoma szlifami

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|---------------------------------------|--|-------------------------|------------------------|
| 480-01            | 40                                    | 100                                      | 19                      | 19                     |
| 480-02            | 40                                    | 200                                      | 19                      | 19                     |
| 480-03            | 40                                    | 300                                      | 19                      | 19                     |
| 480-04            | 40                                    | 400                                      | 19                      | 19                     |
| 480-05            | 40                                    | 500                                      | 19                      | 19                     |
| 480-06            | 40                                    | 600                                      | 19                      | 19                     |
| 480-07            | 40                                    | 100                                      | 29                      | 29                     |
| 480-08            | 40                                    | 200                                      | 29                      | 29                     |
| 480-09            | 40                                    | 300                                      | 29                      | 29                     |
| 480-10            | 40                                    | 400                                      | 29                      | 29                     |
| 480-11            | 40                                    | 500                                      | 29                      | 29                     |
| 480-12            | 40                                    | 600                                      | 29                      | 29                     |



**490. Coiled condensers - with cone and socket joints**  
Chłodnice wg Dimroth'a (zwrotne)

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|---------------------------------------|--|-------------------------|------------------------|
| 490-01            | 40                                    | 100                                      | 14,5                    | 14,5                   |
| 490-02            | 40                                    | 200                                      | 29                      | 29                     |
| 490-03            | 40                                    | 300                                      | 29                      | 29                     |
| 490-04            | 40                                    | 400                                      | 29                      | 29                     |
| 490-05            | 40                                    | 500                                      | 29                      | 29                     |



**500. Coiled condensers - double jacket and cone joint**  
Chłodnice spiralne z podwójnym płaszczem i jednym szlifem

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczka mm | Jacket length mm<br>Długość płaszczka mm | Cone joint<br>WS zewn. |
|-------------------|---------------------------------------|--|------------------------|
| 500-01            | 54                                    | 200                                      | 14,5                   |
| 500-02            | 54                                    | 300                                      | 29                     |
| 500-03            | 54                                    | 400                                      | 29                     |
| 500-04            | 54                                    | 500                                      | 29                     |
| 500-05            | 54                                    | 600                                      | 29                     |



**510. Davis condensers - with cone and socket joints**  
Chłodnice Davis'a z dwoma szlifami

| Cat.no<br>Nr kat. | Jacket length mm<br>Długość płaszczki mm | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|--|-------------------------|------------------------|
| 510-01            | 150                                      | 14,5                    | 14,5                   |
| 510-02            | 150                                      | 19                      | 19                     |
| 510-03            | 150                                      | 24                      | 24                     |
| 510-04            | 200                                      | 19                      | 19                     |
| 510-05            | 200                                      | 24                      | 24                     |
| 510-06            | 200                                      | 29                      | 29                     |
| 510-07            | 500                                      | 34,5                    | 34,5                   |



**530. Davis condensers -with cone joint**  
Chłodnice Davis'a do aparatu Soxhlet'a

| Cat.no<br>Nr kat. | Jacket length mm<br>Długość płaszczki mm | Cone joint<br>WS zewn. |
|-------------------|--|------------------------|
| 530-01            | 200                                      | 24                     |
| 530-02            | 200                                      | 34,5                   |
| 530-03            | 220                                      | 29                     |
| 530-04            | 220                                      | 45                     |
| 530-05            | 320                                      | 45                     |



**540. Air condensers - with cone joint**  
Chłodnice powietrzne

| Cat.no<br>Nr kat. | Approx. OD mm<br>Średnica rurki mm | Length mm<br>Długość mm | Cone joint<br>WS zewn. |
|-------------------|------------------------------------|-------------------------|------------------------|
| 540-01            | 12                                 | 900                     | 24                     |
| 540-02            | 15                                 | 500                     | 29                     |
| 540-03            | 15                                 | 900                     | 29                     |
| 540-04            | 20                                 | 900                     | 45                     |



**541. Air condensers - with cone and socket joints**  
Kolumny powietrzne

| Cat.no<br>Nr kat. | Jacket length mm<br>Długość płaszczki mm | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|--|-------------------------|------------------------|
| 541-01            | 200                                      | 14,5                    | 14,5                   |
| 541-02            | 150                                      | 19                      | 19                     |
| 541-03            | 300                                      | 24                      | 24                     |
| 541-04            | 400                                      | 19                      | 19                     |
| 541-05            | 550                                      | 24                      | 24                     |
| 541-06            | 550                                      | 29                      | 29                     |
| 541-07            | 800                                      | 24                      | 24                     |



## CONDENSERS / EXTRACTORS

### 542. Vigreux columns - with cone and socket joints Kolumny Vigreux ze szlifami

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczki mm | Jacket length mm<br>Długość płaszczki mm | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|---------------------------------------|--|-------------------------|------------------------|
| 542-01            | 26                                    | 100                                      | 14,5                    | 14,5                   |
| 542-02            | 30                                    | 200                                      | 19                      | 19                     |
| 542-03            | 30                                    | 300                                      | 29                      | 29                     |
| 542-04            | 34                                    | 400                                      | 29                      | 29                     |
| 542-05            | 40                                    | 500                                      | 29                      | 29                     |
| 542-06            | 40                                    | 800                                      | 29                      | 29                     |



### 543. Vigreux columns - without joints Kolumny Vigreux bez szlifów

| Cat.no<br>Nr kat. | Jacket OD mm<br>Średnica płaszczki mm | Jacket length mm<br>Długość płaszczki mm |
|-------------------|---------------------------------------|--|
| 543-01            | 34                                    | 400                                      |
| 543-02            | 40                                    | 500                                      |



### 544. Extractors Ekstraktory

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
|-------------------|---|-------------------------|------------------------|
| 544-01            | 70  | 29                      | 29                     |
| 544-02            | 100   | 45                      | 29                     |
| 544-03            | 250   | 45                      | 29                     |
| 544-04            | 500   | 45                      | 29                     |



**600. Separatory funnels, globe shape**  
Rozdzielacze gruszkowe

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WSzew. | Stopcock bore mm<br>Średnica przełotu kranu mm |
|-------------------|---|------------------------|--|
| 600-01            | 25  | 14,5                   | 1,6  |
| 600-02            | 50  | 14,5                   | 2,5  |
| 600-03            | 100   | 19                     | 2,5  |
| 600-04            | 250   | 19                     | 4  |
| 600-05            | 500   | 24                     | 4  |
| 600-06            | 1000  | 29                     | 4  |



**602. Separatory funnels, Squibb, pear shape**  
Rozdzielacze wg Squibb'a

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WSzew. | Stopcock bore mm<br>Średnica przełotu kranu mm |
|-------------------|---|------------------------|--|
| 601-01            | 50  | 14,5                   | 1,6  |
| 601-02            | 100   | 19                     | 2,5  |
| 601-03            | 250   | 19                     | 4  |
| 601-04            | 500   | 24                     | 4  |
| 601-05            | 1000  | 29                     | 4  |



**603. Separatory funnels, cylindrical**  
Rozdzielacze cylindryczne

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WSzew. | Stopcock bore mm<br>Średnica przełotu kranu mm |
|-------------------|---|------------------------|--|
| 603-01            | 25  | 14,5                   | 1,6  |
| 603-02            | 50  | 14,5                   | 2,5  |
| 603-03            | 100   | 19                     | 2,5  |
| 603-04            | 250   | 19                     | 2,5  |
| 603-05            | 500   | 24                     | 4  |
| 603-06            | 1000  | 29                     | 4  |



**605. Addition funnels, cylindrical**  
Wkraplacze cylindryczne

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WSzew. | Cone joint<br>WSzew. | Stopcock bore mm<br>Średnica przełotu kranu mm |
|-------------------|---|------------------------|----------------------|--|
| 605-01            | 25  | 14,5                   | 14,5                 | 1,6  |
| 605-02            | 50  | 19                     | 19                   | 2,5  |
| 605-03            | 100   | 19                     | 19                   | 2,5  |
| 605-04            | 250   | 19                     | 19                   | 4  |
| 605-05            | 500   | 24                     | 24                   | 4  |
| 605-06            | 1000  | 29                     | 29                   | 4  |



**607. Addition funnels, cylindrical, pressure equalizing**  
Wkraplacze cylindryczne z rurką odpowietrzającą

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WSzew. | Cone joint<br>WSzew. | Stopcock bore mm<br>Średnica przełotu kranu mm |
|-------------------|---|------------------------|----------------------|--|
| 607-01            | 25  | 14,5                   | 14,5                 | 1,6  |
| 607-02            | 50  | 19                     | 19                   | 2,5  |
| 607-03            | 100   | 19                     | 19                   | 2,5  |
| 607-04            | 250   | 19                     | 19                   | 4  |
| 607-05            | 500   | 24                     | 24                   | 4  |



**608. Addition funnels, globe shape**  
Wkrapłacze gruszkowe (kuliste)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Stopcock bore mm<br>Średnica przelotu kranu mm |
|-------------------|---|-------------------------|------------------------|--|
| 608-01            | 25  | 14,5                    | 14,5                   | 1,6  |
| 608-02            | 50  | 19                      | 19                     | 2,5  |
| 608-03            | 100   | 19                      | 19                     | 2,5  |
| 608-04            | 250   | 19                      | 19                     | 4  |



**609. Addition funnels, pear shape, globe shape**  
Wkrapłacze gruszkowe z rurką odpowietrzającą

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Cone joint<br>WS zewn. | Stopcock bore mm<br>Średnica przelotu kranu mm |
|-------------------|---|-------------------------|------------------------|--|
| 609-01            | 25  | 14,5                    | 14,5                   | 1,6  |
| 609-02            | 50  | 19                      | 19                     | 2,5  |
| 609-03            | 100   | 19                      | 19                     | 2,5  |
| 609-04            | 250   | 19                      | 19                     | 4  |
| 609-05            | 500   |                         | 24                     | 4  |



**610. Gas collecting tubes**  
Pipety do gazu

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Stopcock bore mm<br>Średnica przelotu mm |
|-------------------|---|--|
| 610-01            | 100   | 4  |
| 610-02            | 250   | 4  |
| 610-03            | 500   | 4  |





**620. Funnels**

Lejki laboratoryjne zwykłe

| Cat. No<br>Nr kat. | Approx. top diameter mm<br>Średnica w mm | Approx. stem OD mm<br>Średnica nóżki mm |
|--------------------|--|---|
| 620-01             | 30                                       | 8                                       |
| 620-02             | 40                                       | 8                                       |
| 620-03             | 45                                       | 8                                       |
| 620-04             | 50                                       | 10                                      |
| 620-05             | 60                                       | 10                                      |
| 620-06             | 70                                       | 12                                      |
| 620-07             | 75                                       | 12                                      |
| 620-08             | 80                                       | 12                                      |
| 620-09             | 90                                       | 16                                      |
| 620-10             | 100                                      | 18                                      |
| 620-11             | 120                                      | 18                                      |



**621. Ampoule splitting funnels**

Lejki do rozbijania apulek

| Cat. No<br>Nr kat. | Approx. Top diameter mm<br>Średnica w mm | Approx. stem OD mm<br>Średnica nóżki mm |
|--------------------|--|---|
| 621-01             | 80                                       | 12                                      |



**622. Funnels, thin stem**

Lejki laboratoryjne z cienką rurką

| Cat.no<br>Nr kat. | Approx. top diameter mm<br>Średnica lejka w mm | Approx. stem OD mm<br>Średnica nóżki mm |
|-------------------|--|---|
| 622-01            | 30   | 5                                       |
| 622-02            | 40   | 5                                       |
| 622-03            | 50   | 5                                       |
| 622-04            | 60   | 5                                       |
| 622-05            | 70   | 5                                       |
| 622-06            | 80   | 5                                       |



**625. Powder funnels**

Lejki ze szlifem

| Cat.no<br>Nr kat. | Approx. top diameter mm<br>Średnica lejka mm | Cone joint<br>WS zewn. |
|-------------------|--|------------------------|
| 625-01            | 45   | 14,5                   |
| 625-02            | 45   | 19                     |
| 625-03            | 50   | 14,5                   |
| 625-04            | 50   | 19                     |
| 625-05            | 60   | 19                     |
| 625-06            | 60   | 24                     |
| 625-07            | 75   | 24                     |
| 625-08            | 75   | 29                     |
| 625-09            | 100  | 29                     |



**630. Stoppers, flat hexagonal head**

Korki z uchwytem sześciokątnym zamkniętym

| Cat.no<br>Nr kat. | Cone joint<br>WS zewn. |
|-------------------|------------------------|
| 630-01            | 14,5                   |
| 630-02            | 19                     |
| 630-03            | 24                     |
| 630-04            | 29                     |



**631. Stoppers, ball head (closed or open)**

Korki z uchwytem kulistym (zamknięte lub otwarte)

| Cat.no<br>Nr kat. | Cone joint<br>WS zeem. |
|-------------------|------------------------|
| 631-01            | 14,5                   |
| 631-02            | 19                     |
| 631-03            | 24                     |
| 631-04            | 29                     |
| 631-05            | 34,5                   |
| 631-06            | 45                     |
| 631-07            | 65                     |

**640. Glass rods**

Bagietki

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Length mm<br>Długość mm |
|-------------------|----------------------------|-------------------------|
| 640-01            | 3                          | 150                     |
| 640-02            | 3                          | 300                     |
| 640-03            | 4                          | 200                     |
| 640-04            | 4                          | 300                     |
| 640-05            | 5                          | 150                     |
| 640-06            | 5                          | 200                     |
| 640-07            | 5                          | 300                     |
| 640-08            | 5                          | 350                     |
| 640-09            | 5                          | 400                     |
| 640-10            | 6                          | 200                     |
| 640-11            | 6                          | 300                     |
| 640-12            | 6                          | 400                     |
| 640-13            | 8                          | 300                     |
| 640-14            | 8                          | 400                     |
| 640-15            | 8                          | 500                     |
| 640-16            | 10                         | 300                     |

**641. Glass rods, flattened end**

Bagietki ze spłaszczonym końcem

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Length mm<br>Długość mm |
|-------------------|----------------------------|-------------------------|
| 641-01            | 3                          | 100                     |
| 641-02            | 5                          | 100                     |
| 641-03            | 5                          | 200                     |
| 641-04            | 6                          | 250                     |
| 641-05            | 8                          | 350                     |
| 641-06            | 5                          | 350                     |
| 641-07            | 5                          | 400                     |
| 641-08            | 6                          | 200                     |
| 641-09            | 6                          | 300                     |
| 641-10            | 6                          | 400                     |
| 641-11            | 8                          | 300                     |
| 641-12            | 8                          | 400                     |
| 641-13            | 8                          | 500                     |

**642. Fermenting tubes**

Rurki fermentacyjne

| Cat.no<br>Nr kat. | Stem OD mm<br>Średnica rurek mm | Height mm<br>Długość całkowita mm |
|-------------------|---------------------------------|-----------------------------------|
| 642-01            | 10                              | 300                               |
| 642-02            | 10                              | 400                               |
| 642-03            | 10                              | 500                               |



**643. Stirrers, straight blade**

Mieszadła laboratoryjne - proste skrzydełko

| Cat.no<br>Nr kat. | Length mm<br>Długość mm | Blade diameter mm<br>Średnica skrzydełka mm | Rod diameter mm<br>Średnica pręta mm |
|-------------------|-------------------------|---|--------------------------------------|
| 643-01            | 300                     | 20  | 6                                    |
| 643-02            | 300                     | 40  | 8                                    |
| 643-03            | 300                     | 60  | 8                                    |

**644. Stirrers, skew blade**

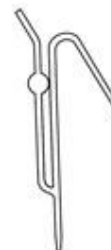
Mieszadła laboratoryjne - ukośne skrzydełko

| Cat.no<br>Nr kat. | Length mm<br>Długość mm | Blade diameter mm<br>Średnica skrzydełka mm | Rod diameter mm<br>Średnica pręta mm |
|-------------------|-------------------------|---|--------------------------------------|
| 644-01            | 300                     | 20  | 6                                    |
| 644-02            | 300                     | 40  | 8                                    |
| 644-03            | 300                     | 60  | 8                                    |

**645. Siphons, for acids**

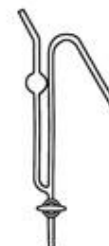
Lewary do kwasów

| Cat.no<br>Nr kat. | Length mm<br>Długość mm | Tube diameter mm<br>Średnica rurek mm |
|-------------------|-------------------------|---------------------------------------|
| 645-01            | 300                     | 8                                     |
| 645-02            | 400                     | 8                                     |
| 645-03            | 500                     | 10                                    |
| 645-04            | 600                     | 10                                    |

**646. Siphons, for acids, with stopcock**

Lewary do kwasów - z kurkiem

| Cat.no<br>Nr kat. | Length mm<br>Długość mm | Tube diameter mm<br>Średnica rurek mm | Stopcock bore mm<br>Średnica przełotu krana mm |
|-------------------|-------------------------|---------------------------------------|--|
| 646-01            | 300                     | 8                                     | 2,5  |
| 646-02            | 400                     | 8                                     | 2,5  |
| 646-03            | 500                     | 10                                    | 4  |
| 646-04            | 600                     | 10                                    | 4  |



**650. Tubes, centrifuge**  
 Probówki do wirówek

| Cat.no<br>Nr kat. | Kinds<br>Rodzaje        | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Approx. diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|-------------------------|---|------------------------------------|--------------------------|
| 650-01            | round bottoms / okrągłe | 10  | 15-16/1,2                          | 100                      |
| 650-02            | conicals / stożek       | 10  | 16-17/1,2                          | 100                      |
| 650-03            | round bottoms / okrągłe | 50  | 34/2,8                             | 100                      |
| 650-04            | round bottoms / okrągłe | 100   | 44/3,2                             | 100                      |


**651. Tubes, culture**  
 Probówki bakteriologiczne (brzeg prosty)

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|----------------------------|--------------------------|
| 651-01            | 10                         | 100                      |
| 651-02            | 12                         | 75                       |
| 651-03            | 14                         | 160                      |
| 651-04            | 16 -17                     | 160                      |
| 651-05            | 18                         | 180                      |
| 651-06            | 24                         | 200                      |
| 651-07            | 20                         | 120                      |

and others / i inne


**652. Test tubes**  
 Probówki chemiczne (brzeg wywinięty)

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|----------------------------|--------------------------|
| 652-01            | 10                         | 100                      |
| 652-02            | 14-15                      | 160                      |

and others / i inne


**653. Tubes for Kieltec apparatus**  
 Probówki do aparatu Kieltec'a

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|----------------------------|--------------------------|
| 653-01            | 42                         | 300                      |


**654. Tubes for CHZT, round bottom**  
 Probówka do CHZT (z czaszą kulista)

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|----------------------------|--------------------------|
| 654-01            | 40                         | 280                      |

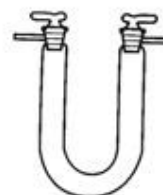


**657. Tubes, round bottom, side rods**  
 Probówki z czaszą kulistą i kołkami

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|----------------------------|--------------------------|
| 657-01            | 42                         | 300                      |


**660. Drying tubes**  
 Rurki absorpcyjne (z korkami)

| Cat.no<br>Nr kat. | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm | Socket joints<br>WS zewn. |
|-------------------|----------------------------|--------------------------|---------------------------|
| 660-01            | 18                         | 130                      | 14,5                      |
| 660-02            | 12                         | 100                      | 10                        |
| 660-03            | 15                         | 130                      | 12,5                      |
| 660-04            | 16                         | 150                      | 12,5                      |
| 660-05            | 18                         | 180                      | 14,5                      |
| 660-06            | 20                         | 200                      | 14,5                      |
| 660-07            | 22                         | 260                      | 19                        |
| 660-08            | 26                         | 300                      | 19                        |


**661. Air-leak tubes**  
 Kapilary wrzenne

| Cat.no<br>Nr kat. | Stem length mm<br>Długość rurki mm | Cone joint<br>WS zewn. |
|-------------------|------------------------------------|------------------------|
| 661-02            | 200                                | 14,5                   |


**670. Beakers, low form**  
 Zlewki niskie

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|---|----------------------------|--------------------------|
| 670-01            | 25  | 34                         | 48                       |
| 670-02            | 50  | 42                         | 59                       |
| 670-03            | 100   | 50                         | 71                       |


**671. Beakers, tall form**  
 Zlewki wysokie

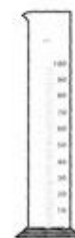
| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Diameter mm<br>Średnica mm | Height mm<br>Wysokość mm |
|-------------------|---|----------------------------|--------------------------|
| 671-01            | 25  | 30                         | 55                       |
| 671-02            | 50  | 38                         | 69                       |
| 671-03            | 100   | 47                         | 85                       |



**700. Cylinders, graduated, glass base, not legalized**

Cylindry miarowe z wylewem, ze stopką szklaną (KI. B nie legalizowane)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> |
|-------------------|---|
| 700-01            | 100   |
| 700-02            | 250   |
| 700-03            | 500   |
| 700-04            | 1000  |
| 700-05            | 2000  |

**703. Cylinders, graduated, glass base, polyethylene stopper, not legalized**

Cylindry z korkiem z tworzywa i stopką szklaną (KI. B nie legalizowane)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> |
|-------------------|---|
| 703-01            | 250   |
| 703-02            | 500   |

**710. Flasks, volumetric, polyethylene stopper, not legalized**

Kolby miarowe z korkiem z tworzywa (KI. B nie legalizowane)

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> |
|-------------------|---|
| 710-01            | 25  |
| 710-02            | 50  |
| 710-03            | 100   |
| 710-04            | 200   |
| 710-05            | 250   |
| 710-06            | 500   |

**720. Automatic tilting pipettes, with flasks**

Pipety automatyczne uchylne

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Cone joint<br>WS zewn. |
|-------------------|---|------------------------|
| 720-01            | 1   | 14,5                   |
| 720-02            | 2   | 14,5                   |
| 720-03            | 5   | 19                     |
| 720-04            | 10  | 19                     |
| 720-05            | 15  | 29                     |
| 720-06            | 20  | 29                     |

**730. Pycnometers, acc. Gay Lussac**

Piknometry wg Gay Lussac'a

| Cat.no<br>Nr kat. | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wewn. |
|-------------------|---|--------------------------|
| 730-01            | 5   | 14,5                     |
| 730-02            | 10  | 14,5                     |
| 730-03            | 25  | 19                       |
| 730-04            | 50  | 19                       |
| 730-05            | 100   | 19                       |
| 730-06            | 200   | 29                       |





### 800. Extraction apparatuses

Aparaty Soxhlet'a

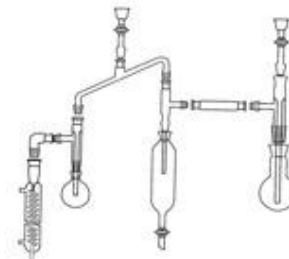
| Cat. no.<br>Nr. kat. | Round-bottom flask<br>Kolba kulista                   |     | Soxhelt extractor<br>Ekstraktor |                       |                                | Condenser<br>Chłodnica |  |
|----------------------|---|-----|---------------------------------|-----------------------|--------------------------------|------------------------|--|
|                      | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> |     | Socket joint<br>WS wew.         | Cone joint<br>WS zew. | Jacket length<br>Dł. płaszczka | Cone joint<br>WS zew.  |  |
| 800-01               | 100   | 70  | 29                              | 29                    | 220                            | 29                     |  |
| 800-02               | 250   | 100 | 45                              | 29                    | 220                            | 45                     |  |
| 800-03               | 500   | 250 | 45                              | 29                    | 220                            | 45                     |  |
| 800-04               | 1000  | 500 | 45                              | 29                    | 320                            | 45                     |  |



### 801. Parnas - Wagner apparatuses

Aparaty Parnasa-Wagnera (połączenia szlifami)

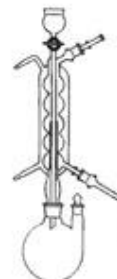
| Condenser          | Round-bottom flask   | Addition funnel  | Chłodnica                          |
|--------------------|--|--|------------------------------------|
| Cat.no<br>Nr. kat. | Kolba kulista<br>Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Rozdzielacz<br>Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Jacket length mm<br>Długość pł. mm |
| 801-01             | 250 and / i 2000   | 1000   | 400                                |



### 803. Phenol determination apparatuses, with stopcock

Aparaty do oznaczania fenolu - z kurkiem

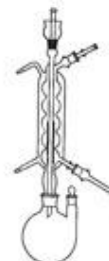
| Cat.no<br>Nr. kat. | Components<br>Części składowe  |
|--------------------|--|
| 803-01             | - Two-neck round-bottom flask, straight, socket joint 29 and 14,5 (with stopper), capacity 500 cm <sup>3</sup><br>Kolba kulista dwuszyjna prosta poj. 500 cm <sup>3</sup> ; WS 29, WS 14,5 z korkiem<br>- Cooling unit, socket joint 29 and 14,5<br>Chłodnia WS 29, WS 14,5<br>- Adapter, socket joint 14,5<br>Przedłużacz WS 14,5<br>- Plug |



### 804. Phenol determination apparatuses, without stopcock

Aparaty do oznaczania fenolu - bez kurka

| Cat.no<br>Nr. kat. | Components<br>Części składowe  |
|--------------------|--|
| 804-01             | - Two-neck round-bottom flask, straight, socket joint 29 and 14,5 (with stopper), capacity 500 cm <sup>3</sup><br>Kolba kulista dwuszyjna prosta poj. 500 cm <sup>3</sup> ; WS 29, WS 14,5 z korkiem<br>- Cooling unit, socket joint 29 and 14,5<br>Chłodnia WS 29, WS 14,5<br>- Adapter, socket joint 14,5<br>Przedłużacz WS 14,5 |



### 805. Solvent distillation apparatuses

Aparaty do destylacji rozpuszczalników

| Stopper<br>Korek | Round-bottom flask                                    |                         | Distilling unit                |                         |                        |
|------------------|---|-------------------------|--------------------------------|-------------------------|------------------------|
|                  | Capacity cm <sup>3</sup><br>Pojemność cm <sup>3</sup> | Socket joint<br>WS wew. | Jacket length<br>Dł. płaszczka | Socket joint<br>WS wew. | Cone joint<br>WS zewn. |
| 805-01           | 500   | 29                      | 300                            | 14,5                    | 29                     |
| 805-02           | 1000  | 29                      | 400                            | 14,5                    | 29                     |
| 805-03           | 2000  | 45                      | 500                            | 14,5                    | 45                     |

