

Condensers

With screwthread connections (except air condensers).

All condensers with the screwthread connections are supplied complete with screwthread connectors (4510/02).

Liebig

A condenser designed to give turbulent flow in the water jacket with a comparatively slow rate of flow of coolant water by use of a small annular space.

| | Approx. surface area $\times 10^{-2}m^2$ | Socket size | Cone size | Approx. effective \times overall lengths, mm |
|---------------------|--|-------------|-----------|--|
| QC1/00 | 0.15 | 10/19 | 10/19 | 60 x 135 |
| QC1/11/SC | 0.60 | 14/23 | 14/23 | 155 x 260 |
| QC1/12/SC | 1.00 | 19/26 | 19/26 | 208 x 340 |
| QC1/12/25/SC | 1.30 | 19/26 | 19/26 | 250 x 380 |
| QC1/13/SC | 1.00 | 24/29 | 24/29 | 250 x 390 |
| QC1/14/25/SC | 1.30 | 29/32 | 29/32 | 250 x 400 |
| QC1/22/SC | 2.00 | 19/26 | 19/26 | 398 x 530 |
| QC1/23/SC | 2.00 | 24/29 | 24/29 | 395 x 535 |
| QC1/44/SC | 2.90 | 29/32 | 29/32 | 400 x 550 |

AD255-10 Spare screwthread tubing connector 4510/02 for above

AD256-06 Spare Viton sleeve 4511/02

Air

Condensation of materials with boiling points above 150°C can be carried out with this type of simple condenser.

| | Approx. surface area $\times 10^{-2}m^2$ | Socket size | Cone size | Approx. effective \times overall lengths, mm |
|----------------|--|-------------|-----------|--|
| QC2/11 | 1.0 | 14/23 | 14/23 | 200 x 260 |
| QC2/12 | 1.0 | 19/26 | 19/26 | 150 x 210 |
| QFC7/23 | 2.0 | 24/29 | 24/29 | 250 x 365 |
| QC2/22 | 2.5 | 19/26 | 19/26 | 400 x 470 |
| QFC7/43 | 4.0 | 24/29 | 24/29 | 500 x 615 |

Coil, Graham

The surface area is considerably greater than the corresponding Liebig condenser of similar dimensions. The coil condenser is extremely efficient in the reflux mode where counter-current cooling is possible.

| | Approx. surface area $\times 10^{-2}m^2$ | Socket size | Cone size | Approx. effective \times overall lengths, mm |
|-------------------|--|-------------|-----------|--|
| QC3/12/SC | 2.0 | 19/26 | 19/26 | 165 x 305 |
| QC3/13/SC | 2.0 | 24/29 | 24/29 | 165 x 310 |
| QC3/14/SC | 2.0 | 29/32 | 29/32 | 165 x 315 |
| QC3/22/SC | 4.0 | 19/26 | 19/26 | 320 x 460 |
| QC3/23/SC | 4.0 | 24/29 | 24/29 | 320 x 465 |
| QC3/24/SC | 4.0 | 29/32 | 29/32 | 320 x 470 |
| QCX3/05/SC | 2.0 | — | 34/35 | 160 x 320 |
| QCX3/06/SC | 3.5 | — | 40/38 | 207 x 380 |

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QC1:



QC2



QFC



QC3:



QCX3/0: