

*advanced quality  
customized designs  
made in europe and usa*

**UNIVERSAL  
HYDRAULIK**   
Ihr Partner für Kühler und Systeme

## HYBRID COOLING

## Wärmetauscher Serie EKM/SKM - SCM UKM - UKTM



- Mantelseite (Öl): erhöhte Leistung durch Fin-Technik
- Rohrseite (Wasser): lange Standzeit, einfache Reinigung
- Rohrseite (Wasser): verschiedene Materialien: Beispielsweise CU-/CN-/TI-/SS
- Tankaufbau- oder Tankeinbauvariante
- Wärmeabfuhr bis 5000 kW
- Durchflussmengen bis 2200 l/min (Mantelseite)
- Kompakte Bauweise
- auch als Sicherheitswärmetauscher erhältlich



## Produktbeschreibung

Die Hybrid-Serie ist eine konsequente Weiterentwicklung von Rohrbündelwärmetauschern für weite Anwendungsgebiete in der Industrie. Aluminiumlamellen, welche über das Rohrbündel geschoben und kraftschlüssig verbunden werden, führen zu einer Vergrößerung der Wärmeaustauschfläche. Dies macht diese Baureihe äußerst effektiv. Die Hybrid-Wärmetauscher erreichen mit diesem Aufbau eine Wärmeleistung von bis zu 5000 kW bei geringerem Platzbedarf als ein Glattrohrwärmetauscher.

### Produktmerkmale

- Aluminiumlamellen sorgen für eine vergrößerte Wärmeübertragungsfläche
- Wärmeabfuhr bis 5000 kW
- Mantelseite (Öl): Durchflussmengen bis zu 2200 l/min
- Abnehmbare Endkappen für einfache Reinigung der Rohre
- Max. Druck: Öl 35 bar / Wasser 16 bar (höhere Drücke auf Anfrage)
- Hochwertige Materialien
- Fünf Prüfungsvorgänge während der Herstellung

### Optionen

- Seewasserbeständige Ausführung
- Zertifikate im Bereich Marine: Bureau Veritas, ABS, DNVGL, Rina, CCS, TL, PRS, NKK und andere
- Druckluftanwendung
- Edelstahl Ausführung oder chemische Vernickelung
- 3.1 Materialzeugnis auf Anfrage
- Hydrotest auf Anfrage
- ATEX-Zulassung auf Anfrage
- ASME-Zertifikat auf Anfrage
- Interner Bypass
- Titanbauteile
- Sicherheitswärmetauscher

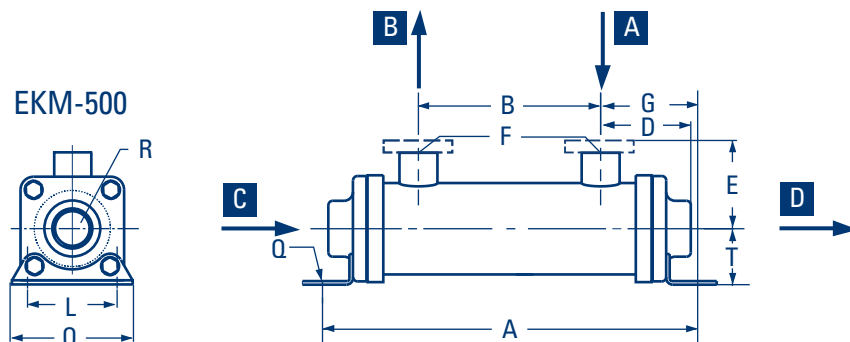
## Materialien

|                                         | Standard        | Option                         | Seewasser<br>Standard                                      |
|-----------------------------------------|-----------------|--------------------------------|------------------------------------------------------------|
| Mantel<br>Befestigung<br>Umlenksegmente | Stahl           | Edelstahl (SS)                 |                                                            |
| Rohrboden                               | Stahl           | Edelstahl (SS)                 | Messing                                                    |
| Kühlrippen<br>Typenschild               | Aluminium       |                                |                                                            |
| Rohre                                   | CuNi 90/10 (CN) | Edelstahl (SS)/<br>Kupfer (CU) | Titan oder Kupfer-Nickel                                   |
| Endkappen                               | Grauguss        | Edelstahl (SS)                 | Grauguss (chem. vernickelt) oder<br>Rotguss mit Zink-Anode |

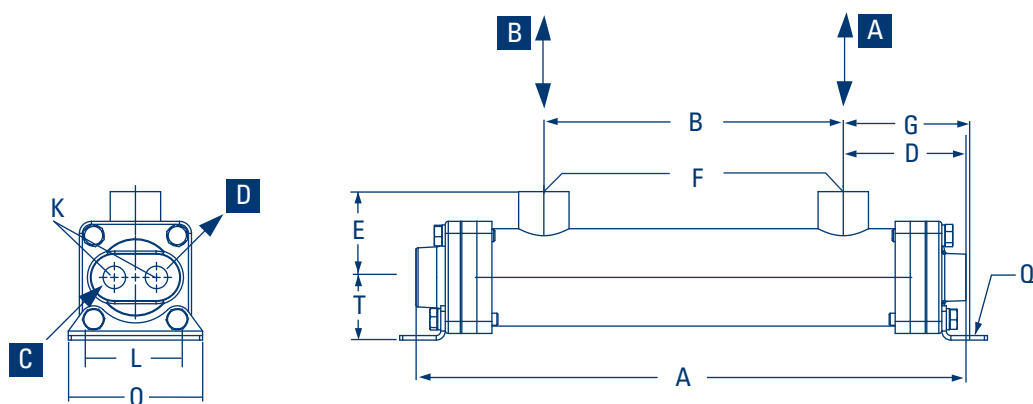
## Geräteabmessungen EKM-500-Serie

| Typ       | A   | B   | D    | E  | F     | G  | I  | K     | L    | O  | Q          | R     | T  |
|-----------|-----|-----|------|----|-------|----|----|-------|------|----|------------|-------|----|
| EKM-505-O | 189 | 55  | 66   | 57 | G3/4" | 67 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| EKM-508-O | 265 | 97  | 83   | 57 | G3/4" | 84 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| EKM-510-O | 316 | 148 | 83   | 57 | G3/4" | 84 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| EKM-512-O | 367 | 199 | 83   | 57 | G3/4" | 84 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| EKM-514-O | 418 | 250 | 83   | 57 | G3/4" | 84 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| EKM-518-O | 519 | 351 | 83   | 57 | G3/4" | 84 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| EKM-524-O | 672 | 504 | 83   | 57 | G3/4" | 84 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| EKM-536-O | 976 | 808 | 83   | 57 | G3/4" | 84 | -  | -     | 63,5 | 89 | 8,5 x 15,5 | G3/4" | 42 |
| Typ       | A   | B   | D    | E  | F     | G  | I  | K     | L    | O  | Q          | R     | T  |
| EKM-505-T | 189 | 55  | 64,5 | 57 | G3/4" | 67 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |
| EKM-508-T | 265 | 97  | 82   | 57 | G3/4" | 84 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |
| EKM-510-T | 316 | 148 | 82   | 57 | G3/4" | 84 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |
| EKM-512-T | 367 | 199 | 82   | 57 | G3/4" | 84 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |
| EKM-514-T | 418 | 250 | 82   | 57 | G3/4" | 84 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |
| EKM-518-T | 519 | 351 | 82   | 57 | G3/4" | 84 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |
| EKM-524-T | 672 | 504 | 82   | 57 | G3/4" | 84 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |
| EKM-536-T | 976 | 808 | 82   | 57 | G3/4" | 84 | 28 | G3/8" | 63,5 | 89 | 8,5 x 15,5 | -     | 42 |

Maßangaben in mm



**A** - Zu kühlendes Medium    **B** - Gekühltes Medium    **C** - Kühlwasser „Ein“    **D** - Kühlwasser „Aus“



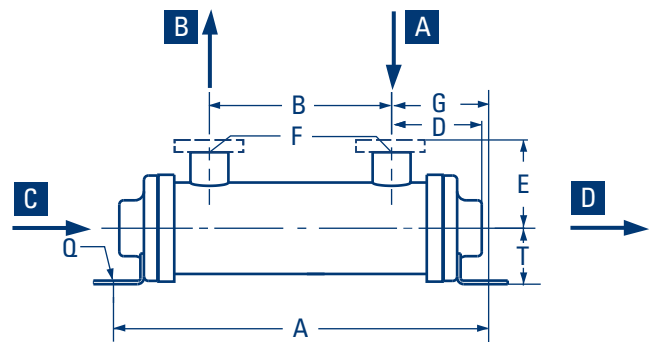
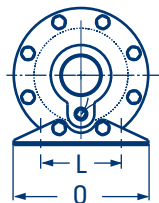
**A** - Zu kühlendes Medium    **B** - Gekühltes Medium    **C** - Kühlwasser „Ein“    **D** - Kühlwasser „Aus“

## Geräteabmessungen EKM-700-Serie

| Typ       | A   | B   | D   | E  | F       | G     | I  | K   | L  | M     | N  | N1 | O   | Q       | R       | T  |
|-----------|-----|-----|-----|----|---------|-------|----|-----|----|-------|----|----|-----|---------|---------|----|
| EKM-708-O | 283 | 76  | 101 | 73 | G1 1/2" | 103,5 | -  | -   | 76 | -     | -  | -  | 127 | 11 x 23 | G1 1/4" | 67 |
| EKM-712-O | 385 | 178 | 101 | 73 | G1 1/2" | 103,5 | -  | -   | 76 | -     | -  | -  | 127 | 11 x 23 | G1 1/4" | 66 |
| EKM-714-O | 436 | 229 | 101 | 73 | G1 1/2" | 103,5 | -  | -   | 76 | -     | -  | -  | 127 | 11 x 23 | G1 1/4" | 67 |
| EKM-718-O | 537 | 330 | 101 | 73 | G1 1/2" | 103,5 | -  | -   | 76 | -     | -  | -  | 127 | 11 x 23 | G1 1/4" | 67 |
| EKM-724-O | 690 | 483 | 101 | 73 | G1 1/2" | 103,5 | -  | -   | 76 | -     | -  | -  | 127 | 11 x 23 | G1 1/4" | 67 |
| EKM-736-O | 994 | 787 | 101 | 73 | G1 1/2" | 103,5 | -  | -   | 76 | -     | -  | -  | 127 | 11 x 25 | G1 1/4" | 67 |
| Typ       | A   | B   | D   | E  | F       | G     | I  | K   | L  | M     | N  | N1 | O   | Q       | R       | T  |
| EKM-708-T | 283 | 76  | 89  | 73 | G1 1/2" | 103,5 | 41 | G1" | 76 | -     | -  | -  | 127 | 11 x 23 | -       | 67 |
| EKM-712-T | 385 | 178 | 89  | 73 | G1 1/2" | 103,5 | 41 | G1" | 76 | -     | -  | -  | 127 | 11 x 23 | -       | 67 |
| EKM-714-T | 436 | 229 | 89  | 73 | G1 1/2" | 103,5 | 41 | G1" | 76 | -     | -  | -  | 127 | 11 x 23 | -       | 67 |
| EKM-718-T | 537 | 330 | 89  | 73 | G1 1/2" | 103,5 | 41 | G1" | 76 | -     | -  | -  | 127 | 11 x 23 | -       | 67 |
| EKM-724-T | 690 | 483 | 89  | 73 | G1 1/2" | 103,5 | 41 | G1" | 76 | -     | -  | -  | 127 | 11 x 23 | -       | 67 |
| EKM-736-T | 994 | 787 | 89  | 73 | G1 1/2" | 103,5 | 41 | G1" | 76 | -     | -  | -  | 127 | 11 x 23 | -       | 67 |
| Typ       | A   | B   | D   | E  | F       | G     | I  | K   | L  | M     | N  | N1 | O   | Q       | R       | T  |
| EKM-708-F | 283 | 76  | 90  | 73 | G1 1/2" | 103,5 | -  | -   | 76 | G1/2" | 44 | 18 | 127 | 11 x 23 | -       | 67 |
| EKM-712-F | 385 | 178 | 90  | 73 | G1 1/2" | 103,5 | -  | -   | 76 | G1/2" | 44 | 18 | 127 | 11 x 23 | -       | 67 |
| EKM-714-F | 436 | 229 | 90  | 73 | G1 1/2" | 103,5 | -  | -   | 76 | G1/2" | 44 | 18 | 127 | 11 x 23 | -       | 67 |
| EKM-718-F | 537 | 330 | 90  | 73 | G1 1/2" | 103,5 | -  | -   | 76 | G1/2" | 44 | 18 | 127 | 11 x 23 | -       | 67 |
| EKM-724-F | 690 | 483 | 90  | 73 | G1 1/2" | 103,5 | -  | -   | 76 | G1/2" | 44 | 18 | 127 | 11 x 23 | -       | 67 |
| EKM-736-F | 994 | 787 | 90  | 73 | G1 1/2" | 103,5 | -  | -   | 76 | G1/2" | 44 | 18 | 127 | 11 x 23 | -       | 67 |

Maßangaben in mm

EKM-700



**A** - Zu kühlendes Medium

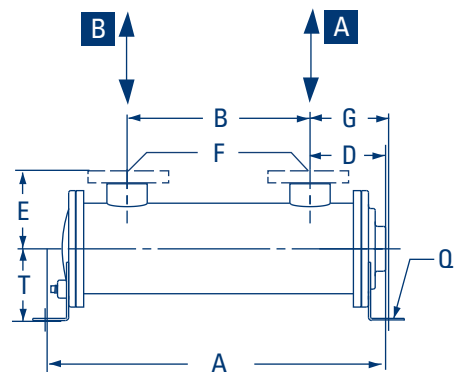
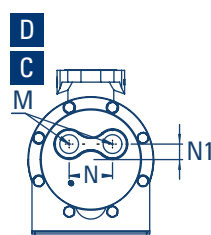
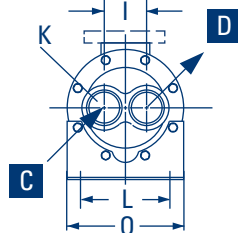
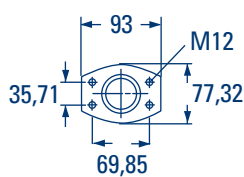
**B** - Gekühltes Medium

**C** - Kühlwasser „Ein“

**D** - Kühlwasser „Aus“

2-Wege

4-Wege



**A** - Zu kühlendes Medium

**B** - Gekühltes Medium

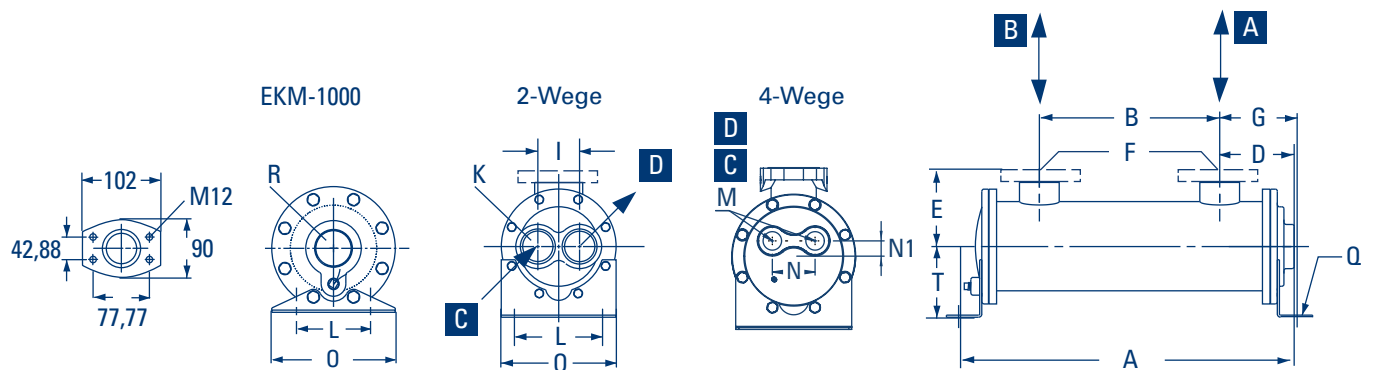
**C** - Kühlwasser „Ein“

**D** - Kühlwasser „Aus“

## Geräteabmessungen EKM-1000-Serie

| Typ        | A    | B    | D     | E  | F       | G   | I  | K       | L   | M     | N  | N1 | O   | Q       | R       | T   |
|------------|------|------|-------|----|---------|-----|----|---------|-----|-------|----|----|-----|---------|---------|-----|
| EKM-1012-O | 397  | 157  | 116,5 | 92 | G1 1/2" | 120 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| EKM-1014-O | 448  | 208  | 116,5 | 92 | G1 1/2" | 120 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| EKM-1018-O | 549  | 309  | 116,5 | 92 | G1 1/2" | 120 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| EKM-1024-O | 702  | 462  | 116,5 | 92 | G1 1/2" | 120 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| EKM-1036-O | 1006 | 766  | 116,5 | 92 | G1 1/2" | 120 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| EKM-1048-O | 1307 | 1067 | 116,5 | 92 | G1 1/2" | 120 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| Typ        | A    | B    | D     | E  | F       | G   | I  | K       | L   | M     | N  | N1 | O   | Q       | R       | T   |
| EKM-1012-T | 397  | 157  | 113,5 | 92 | G1 1/2" | 120 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| EKM-1014-T | 448  | 208  | 113,5 | 92 | G1 1/2" | 120 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| EKM-1018-T | 549  | 309  | 113,5 | 92 | G1 1/2" | 120 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| EKM-1024-T | 702  | 462  | 113,5 | 92 | G1 1/2" | 120 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| EKM-1036-T | 1006 | 766  | 113,5 | 92 | G1 1/2" | 120 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| EKM-1048-T | 1307 | 1067 | 113,5 | 92 | G1 1/2" | 120 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| Typ        | A    | B    | D     | E  | F       | G   | I  | K       | L   | M     | N  | N1 | O   | Q       | R       | T   |
| EKM-1012-F | 396  | 157  | 115   | 92 | G1 1/2" | 120 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| EKM-1014-F | 447  | 208  | 115   | 92 | G1 1/2" | 120 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| EKM-1018-F | 548  | 309  | 115   | 92 | G1 1/2" | 120 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| EKM-1024-F | 701  | 462  | 115   | 92 | G1 1/2" | 120 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| EKM-1036-F | 1005 | 766  | 115   | 92 | G1 1/2" | 120 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| EKM-1048-F | 1306 | 1067 | 115   | 92 | G1 1/2" | 120 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |

Maßangaben in mm



**A** - Zu kühlendes Medium

**B** - Gekühltes Medium

**C** - Kühlwasser „Ein“

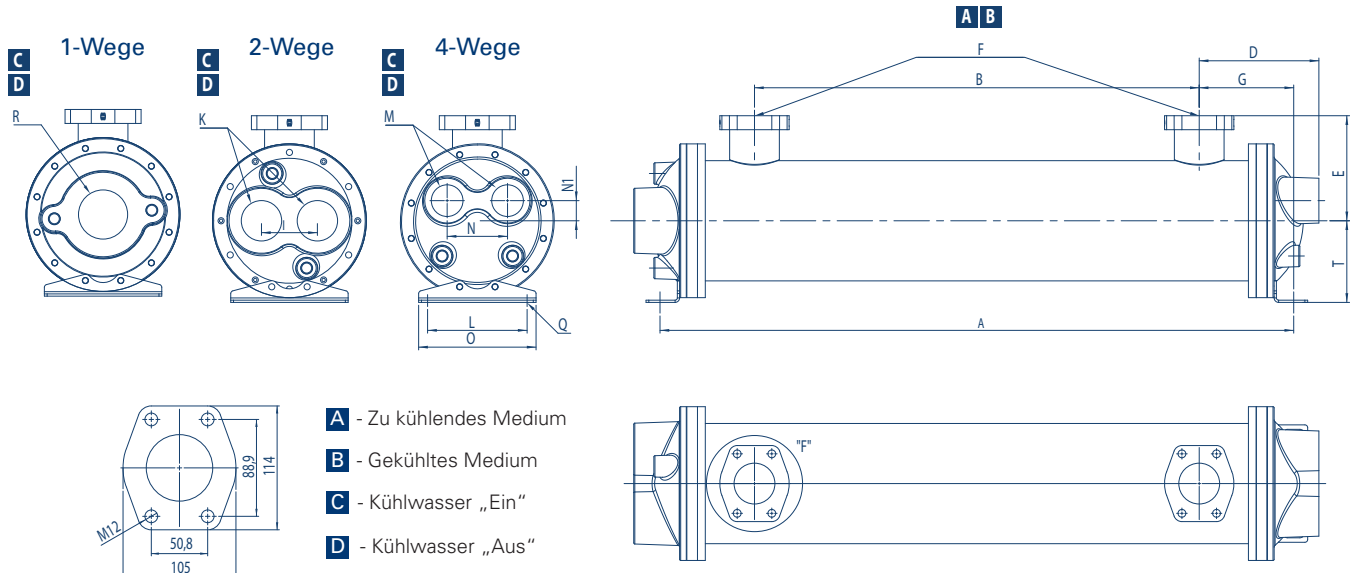
**D** - Kühlwasser „Aus“



## Geräteabmessungen EKM-1400-Serie

| Typ        | A    | B    | D   | E   | F       | G   | I  | K   | L   | M       | N  | N1 | O   | Q       | R   | T   |
|------------|------|------|-----|-----|---------|-----|----|-----|-----|---------|----|----|-----|---------|-----|-----|
| EKM-1424-O | 704  | 410  | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1430-O | 859  | 565  | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1436-O | 1014 | 720  | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1442-O | 1169 | 875  | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1448-O | 1324 | 1030 | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1454-O | 1479 | 1185 | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1460-O | 1634 | 1340 | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1466-O | 1789 | 1495 | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1472-O | 1944 | 1650 | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1478-O | 2099 | 1805 | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| EKM-1484-O | 2254 | 1960 | 156 | 119 | G2 1/2" | 147 | -  | -   | 140 | -       | -  | -  | 210 | 11 x 47 | G2" | 130 |
| Typ        | A    | B    | D   | E   | F       | G   | I  | K   | L   | M       | N  | N1 | O   | Q       | R   | T   |
| EKM-1424-T | 704  | 410  | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1430-T | 859  | 565  | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1436-T | 1014 | 720  | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1442-T | 1169 | 875  | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1448-T | 1324 | 1030 | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1454-T | 1479 | 1185 | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1460-T | 1634 | 1340 | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1466-T | 1789 | 1495 | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1472-T | 1944 | 1650 | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1478-T | 2099 | 1805 | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| EKM-1484-T | 2254 | 1960 | 156 | 119 | G2 1/2" | 147 | 94 | G2" | 140 | -       | -  | -  | 210 | 11 x 47 | -   | 130 |
| Typ        | A    | B    | D   | E   | F       | G   | I  | K   | L   | M       | N  | N1 | O   | Q       | R   | T   |
| EKM-1424-F | 704  | 410  | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1430-F | 859  | 565  | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1436-F | 1014 | 720  | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1442-F | 1169 | 875  | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1448-F | 1324 | 1030 | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1454-F | 1479 | 1185 | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1460-F | 1634 | 1340 | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1466-F | 1789 | 1495 | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1472-F | 1944 | 1650 | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1478-F | 2099 | 1805 | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |
| EKM-1484-F | 2254 | 1960 | 156 | 159 | G2 1/2" | 147 | -  | -   | 140 | G1 1/2" | 80 | 36 | 210 | 11 x 47 | -   | 130 |

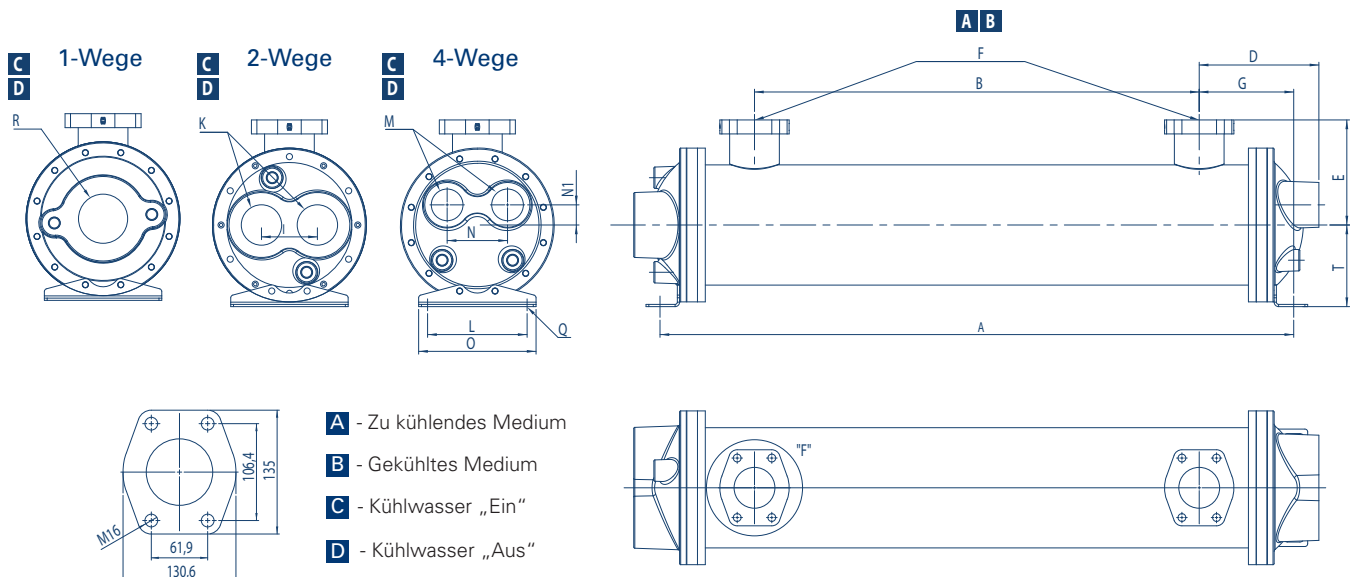
Maßangaben in mm



## Geräteabmessungen EKM-1700-Serie

| Typ        | A    | B    | D   | E   | F      | G   | I   | K       | L   | M   | N   | N1 | O   | Q       | R   | T   |
|------------|------|------|-----|-----|--------|-----|-----|---------|-----|-----|-----|----|-----|---------|-----|-----|
| EKM-1724-O | 706  | 368  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1730-O | 859  | 521  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1736-O | 1011 | 673  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1742-O | 1164 | 826  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1748-O | 1316 | 978  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1754-O | 1468 | 1130 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1760-O | 1621 | 1283 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1766-O | 1773 | 1435 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1772-O | 1925 | 1587 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1778-O | 2078 | 1740 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| EKM-1784-O | 2230 | 1893 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| Typ        | A    | B    | D   | E   | F      | G   | I   | K       | L   | M   | N   | N1 | O   | Q       | R   | T   |
| EKM-1724-T | 706  | 368  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1730-T | 859  | 521  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1736-T | 1011 | 673  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1742-T | 1164 | 826  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1748-T | 1316 | 978  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1754-T | 1468 | 1130 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1760-T | 1621 | 1283 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1766-T | 1773 | 1435 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1772-T | 1925 | 1587 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1778-T | 2078 | 1740 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| EKM-1784-T | 2230 | 1893 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| Typ        | A    | B    | D   | E   | F      | G   | I   | K       | L   | M   | N   | N1 | O   | Q       | R   | T   |
| EKM-1724-F | 706  | 368  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1730-F | 859  | 521  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1736-F | 1011 | 673  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1742-F | 1164 | 826  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1748-F | 1316 | 978  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1754-F | 1468 | 1130 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1760-F | 1621 | 1283 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1766-F | 1773 | 1435 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1772-F | 1925 | 1587 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1778-F | 2078 | 1740 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| EKM-1784-F | 2230 | 1893 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |

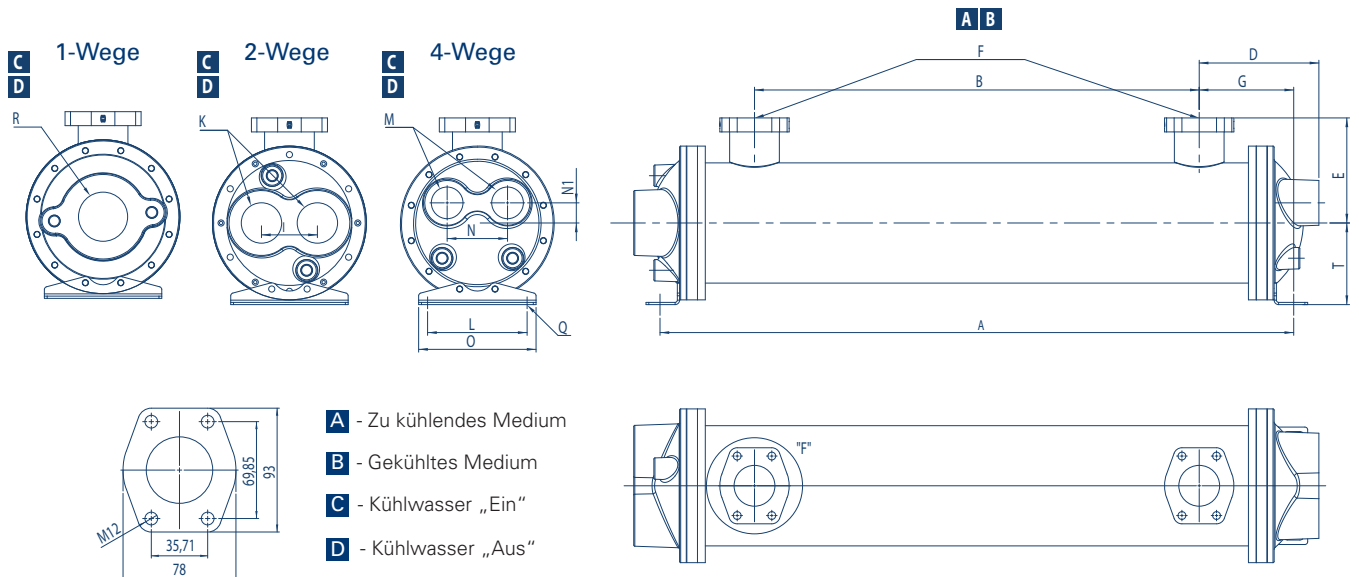
Maßangaben in mm



## Geräteabmessungen SCM-1000-Serie

| Typ        | A      | B    | D     | E  | F       | G      | I  | K       | L   | M     | N  | N1 | O   | Q       | R       | T   |
|------------|--------|------|-------|----|---------|--------|----|---------|-----|-------|----|----|-----|---------|---------|-----|
| SCM-1012-O | 396,5  | 157  | 116,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| SCM-1014-O | 447,5  | 208  | 116,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| SCM-1018-O | 548,5  | 309  | 116,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| SCM-1024-O | 701,5  | 462  | 116,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| SCM-1036-O | 1005,5 | 766  | 116,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| SCM-1048-O | 1306,5 | 1067 | 116,5 | 95 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| SCM-1060-O | 1611,5 | 1372 | 116,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| SCM-1078-O | 2068,5 | 1829 | 116,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | -     | -  | -  | 165 | 11 x 25 | G1 1/2" | 103 |
| Typ        | A      | B    | D     | E  | F       | G      | I  | K       | L   | M     | N  | N1 | O   | Q       | R       | T   |
| SCM-1012-T | 396,5  | 157  | 113,5 | 92 | G1 1/2" | 119,75 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| SCM-1014-T | 447,5  | 208  | 113,5 | 92 | G1 1/2" | 119,75 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| SCM-1018-T | 548,5  | 309  | 113,5 | 92 | G1 1/2" | 119,75 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| SCM-1024-T | 701,5  | 462  | 113,5 | 92 | G1 1/2" | 119,75 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| SCM-1036-T | 1005,5 | 766  | 113,5 | 92 | G1 1/2" | 119,75 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| SCM-1048-T | 1306,5 | 1067 | 113,5 | 92 | G1 1/2" | 119,75 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| SCM-1060-T | 1611,5 | 1372 | 113,5 | 92 | G1 1/2" | 119,75 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| SCM-1078-T | 2068,5 | 1830 | 113,5 | 92 | G1 1/2" | 119,25 | 60 | G1 1/4" | 102 | -     | -  | -  | 165 | 11 x 25 | -       | 103 |
| Typ        | A      | B    | D     | E  | F       | G      | I  | K       | L   | M     | N  | N1 | O   | Q       | R       | T   |
| SCM-1012-F | 396,5  | 157  | 113,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| SCM-1014-F | 447,5  | 208  | 113,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| SCM-1018-F | 548,5  | 309  | 113,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| SCM-1024-F | 701,5  | 462  | 113,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| SCM-1036-F | 1005,5 | 766  | 113,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| SCM-1048-F | 1306,5 | 1067 | 113,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| SCM-1060-F | 1611,5 | 1372 | 113,5 | 92 | G1 1/2" | 119,75 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |
| SCM-1078-F | 2068,5 | 1830 | 113,5 | 92 | G1 1/2" | 119,25 | -  | -       | 102 | G3/4" | 63 | 22 | 165 | 11 x 25 | -       | 103 |

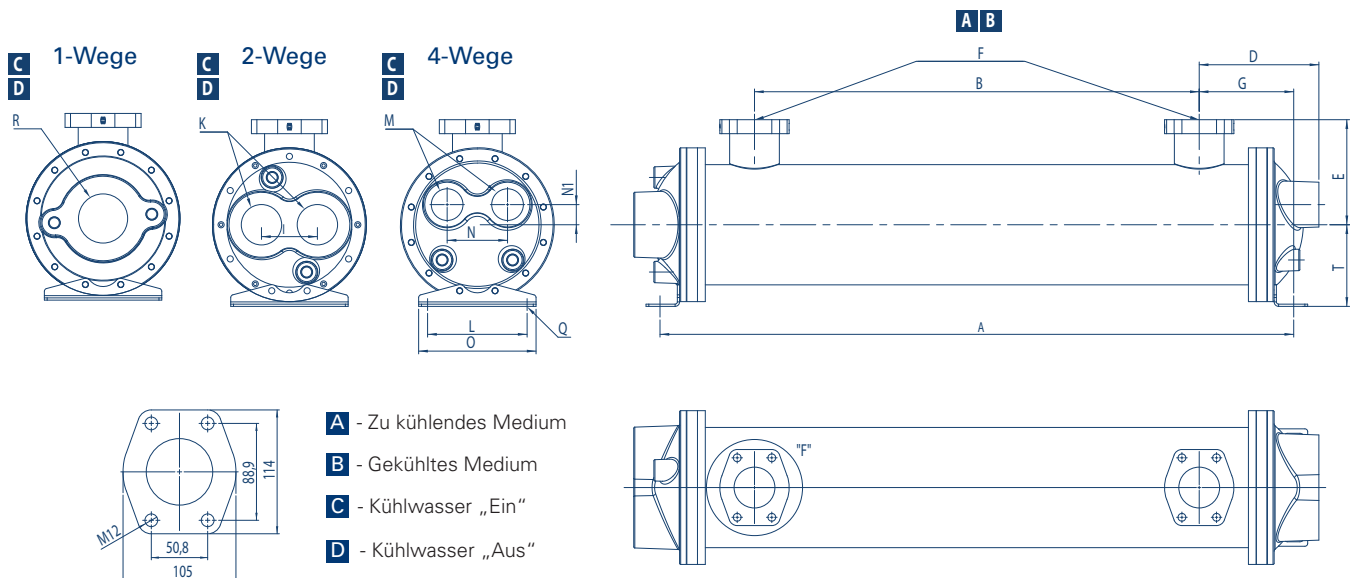
Maßangaben in mm



## Geräteabmessungen SCM-1200-Serie

| Typ        | A    | B    | D     | E       | F          | G   | I  | K   | L   | M   | N  | N1 | O   | Q           | R   | T   |
|------------|------|------|-------|---------|------------|-----|----|-----|-----|-----|----|----|-----|-------------|-----|-----|
| SCM-1218-O | 560  | 330  | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1224-O | 712  | 482  | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1230-O | 817  | 587  | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1236-O | 998  | 768  | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1242-O | 1150 | 920  | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1248-O | 1303 | 1073 | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1254-O | 1454 | 1224 | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1260-O | 1605 | 1375 | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1266-O | 1757 | 1527 | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1272-O | 1910 | 1680 | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1278-O | 2063 | 1833 | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| SCM-1284-O | 2216 | 1986 | 113,5 | 145     | SAE 2 1/2" | 115 | -  | -   | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | G2" | 114 |
| Typ        | A    | B    | D     | E       | F          | G   | I  | K   | L   | M   | N  | N1 | O   | Q           | R   | T   |
| SCM-1218-T | 560  | 330  | 133,5 | 145+140 | SAE 2 1/2" | 115 | 80 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1224-T | 712  | 482  | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1230-T | 819  | 589  | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1236-T | 998  | 768  | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1242-T | 1150 | 920  | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1248-T | 1303 | 1073 | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1254-T | 1454 | 1224 | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1260-T | 1606 | 1376 | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1266-T | 1757 | 1527 | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1272-T | 1910 | 1680 | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1278-T | 2063 | 1833 | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1284-T | 2215 | 1985 | 133,5 | 145+140 | SAE 2 1/2" | 115 | 87 | G2" | 127 | -   | -  | -  | 159 | 13,5 x 27,5 | -   | 114 |
| Typ        | A    | B    | D     | E       | F          | G   | I  | K   | L   | M   | N  | N1 | O   | Q           | R   | T   |
| SCM-1218-F | 560  | 330  | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1224-F | 712  | 482  | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1230-F | 819  | 589  | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1236-F | 998  | 768  | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1242-F | 1150 | 920  | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1248-F | 1303 | 1073 | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1254-F | 1454 | 1224 | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1260-F | 1606 | 1376 | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1266-F | 1757 | 1527 | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1272-F | 1910 | 1680 | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1278-F | 2063 | 1833 | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |
| SCM-1284-F | 2215 | 1985 | 113,5 | 145+140 | SAE 2 1/2" | 115 | -  | -   | 127 | G1" | 70 | 25 | 159 | 13,5 x 27,5 | -   | 114 |

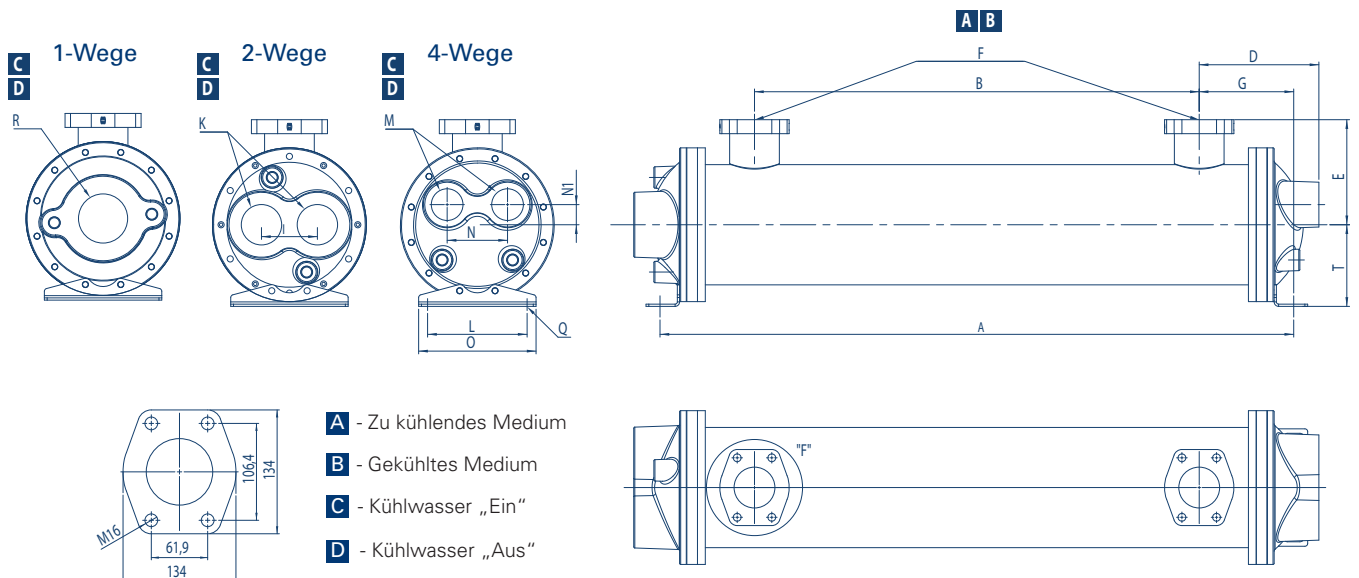
Maßangaben in mm



## Geräteabmessungen SCM-1700-Serie

| Typ        | A    | B    | D   | E   | F      | G   | I   | K       | L   | M   | N   | N1 | O   | Q       | R   | T   |
|------------|------|------|-----|-----|--------|-----|-----|---------|-----|-----|-----|----|-----|---------|-----|-----|
| SCM-1724-O | 706  | 368  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1730-O | 859  | 521  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1736-O | 1011 | 673  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1742-O | 1164 | 826  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1748-O | 1316 | 978  | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1754-O | 1468 | 1130 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1760-O | 1621 | 1283 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1766-O | 1773 | 1435 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1772-O | 1925 | 1587 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1776-O | 2034 | 1696 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1778-O | 2078 | 1740 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| SCM-1784-O | 2230 | 1892 | 188 | 188 | SAE 3" | 169 | -   | -       | 178 | -   | -   | -  | 210 | 16 x 38 | G3" | 146 |
| Typ        | A    | B    | D   | E   | F      | G   | I   | K       | L   | M   | N   | N1 | O   | Q       | R   | T   |
| SCM-1724-T | 706  | 368  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1730-T | 859  | 521  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1736-T | 1011 | 673  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1742-T | 1164 | 826  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1748-T | 1316 | 978  | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1754-T | 1468 | 1130 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1760-T | 1621 | 1283 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1766-T | 1773 | 1435 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1772-T | 1925 | 1587 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1776-T | 2034 | 1696 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1778-T | 2078 | 1740 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| SCM-1784-T | 2230 | 1892 | 214 | 188 | SAE 3" | 169 | 100 | G2 1/2" | 178 | -   | -   | -  | 210 | 16 x 38 | -   | 146 |
| Typ        | A    | B    | D   | E   | F      | G   | I   | K       | L   | M   | N   | N1 | O   | Q       | R   | T   |
| SCM-1724-F | 706  | 368  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1730-F | 859  | 521  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1736-F | 1011 | 673  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1742-F | 1164 | 826  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1748-F | 1316 | 978  | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1754-F | 1468 | 1130 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1760-F | 1621 | 1283 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1766-F | 1773 | 1435 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1772-F | 1925 | 1587 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1776-F | 2034 | 1696 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1778-F | 2078 | 1740 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |
| SCM-1784-F | 2230 | 1892 | 214 | 188 | SAE 3" | 169 | -   | -       | 178 | G2" | 108 | 36 | 210 | 16 x 38 | -   | 146 |

Maßangaben in mm

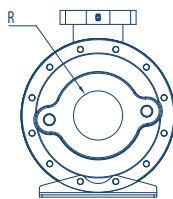


## Geräteabmessungen SCM-2400-Serie

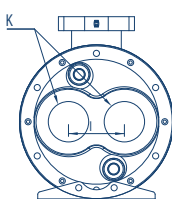
| Typ        | A        | B    | D        | E   | F      | G | I   | K      | L   | M      | N   | N1 | O   | Q  | R      | T   |
|------------|----------|------|----------|-----|--------|---|-----|--------|-----|--------|-----|----|-----|----|--------|-----|
| SCM-2436-O | variabel | 673  | variabel | 278 | SAE 5" | - | -   | -      | 352 | -      | -   | -  | 400 | 22 | SAE 5" | 319 |
| SCM-2448-O | variabel | 978  | variabel | 278 | SAE 5" | - | -   | -      | 352 | -      | -   | -  | 400 | 22 | SAE 5" | 319 |
| SCM-2460-O | variabel | 1283 | variabel | 278 | SAE 5" | - | -   | -      | 352 | -      | -   | -  | 400 | 22 | SAE 5" | 319 |
| SCM-2472-O | variabel | 1925 | variabel | 278 | SAE 5" | - | -   | -      | 352 | -      | -   | -  | 400 | 22 | SAE 5" | 319 |
| SCM-2484-O | variabel | 2230 | variabel | 278 | SAE 5" | - | -   | -      | 352 | -      | -   | -  | 400 | 22 | SAE 5" | 319 |
| Typ        | A        | B    | D        | E   | F      | G | I   | K      | L   | M      | N   | N1 | O   | Q  | R      | T   |
| SCM-2436-T | variabel | 673  | variabel | 278 | SAE 5" | - | 165 | SAE 4" | 352 | -      | -   | -  | 400 | 22 | -      | 319 |
| SCM-2448-T | variabel | 978  | variabel | 278 | SAE 5" | - | 165 | SAE 4" | 352 | -      | -   | -  | 400 | 22 | -      | 319 |
| SCM-2460-T | variabel | 1283 | variabel | 278 | SAE 5" | - | 165 | SAE 4" | 352 | -      | -   | -  | 400 | 22 | -      | 319 |
| SCM-2472-T | variabel | 1925 | variabel | 278 | SAE 5" | - | 165 | SAE 4" | 352 | -      | -   | -  | 400 | 22 | -      | 319 |
| SCM-2484-T | variabel | 2230 | variabel | 278 | SAE 5" | - | 165 | SAE 4" | 352 | -      | -   | -  | 400 | 22 | -      | 319 |
| Typ        | A        | B    | D        | E   | F      | G | I   | K      | L   | M      | N   | N1 | O   | Q  | R      | T   |
| SCM-2436-F | variabel | 673  | variabel | 278 | SAE 5" | - | -   | -      | 352 | SAE 3" | 145 | 55 | 400 | 22 | -      | 319 |
| SCM-2448-F | variabel | 978  | variabel | 278 | SAE 5" | - | -   | -      | 352 | SAE 3" | 145 | 55 | 400 | 22 | -      | 319 |
| SCM-2460-F | variabel | 1283 | variabel | 278 | SAE 5" | - | -   | -      | 352 | SAE 3" | 145 | 55 | 400 | 22 | -      | 319 |
| SCM-2472-F | variabel | 1925 | variabel | 278 | SAE 5" | - | -   | -      | 352 | SAE 3" | 145 | 55 | 400 | 22 | -      | 319 |
| SCM-2484-F | variabel | 2230 | variabel | 278 | SAE 5" | - | -   | -      | 352 | SAE 3" | 145 | 55 | 400 | 22 | -      | 319 |

Maßangaben in mm

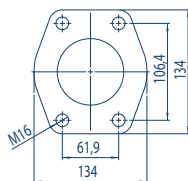
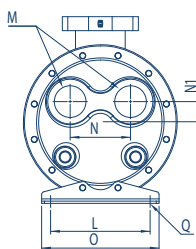
**C**  
**D** 1-Wege



**C**  
**D** 2-Wege



**C**  
**D** 4-Wege

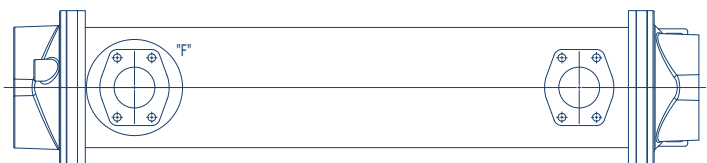
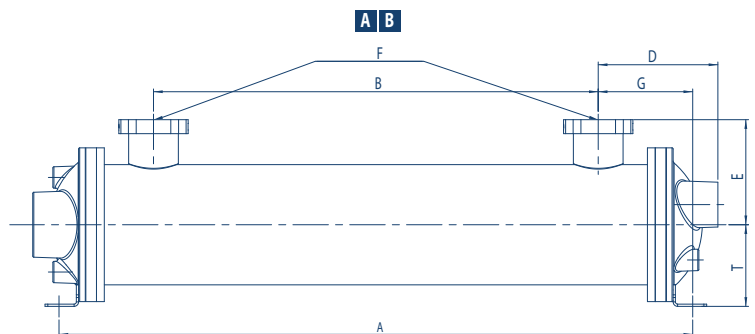


**A** - Zu kühlendes Medium

**B** - Gekühltes Medium

**C** - Kühlwasser „Ein“

**D** - Kühlwasser „Aus“



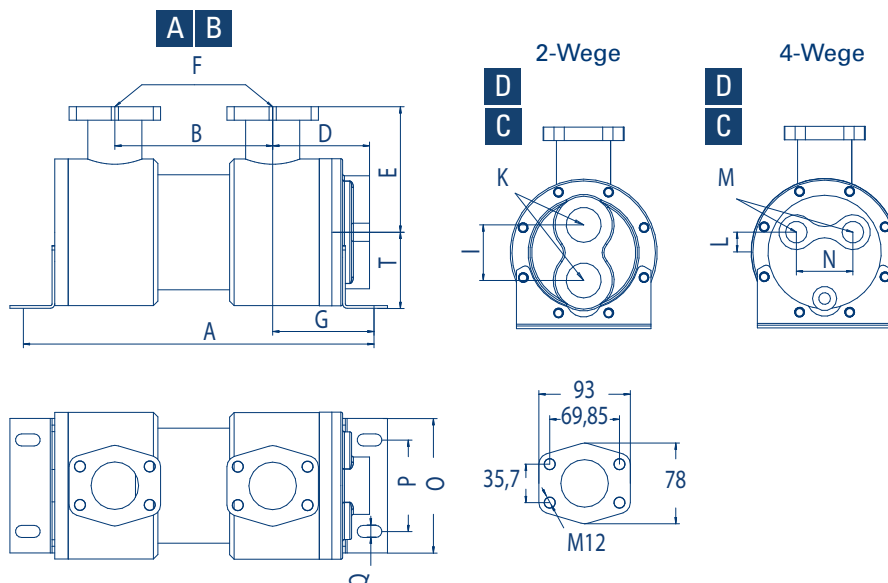
## Geräteabmessungen UKM-500/700-Serie

| Typ       | A    | B     | D  | E  | F   | G  | I  | K     | O  | P    | Q        | T  |
|-----------|------|-------|----|----|-----|----|----|-------|----|------|----------|----|
| UKM-508-T | 310  | 177,5 | 66 | 75 | G1" | 71 | 35 | G1/2" | 95 | 63,5 | 8,5 x 16 | 55 |
| UKM-512-T | 410  | 278,5 | 67 | 75 | G1" | 72 | 35 | G1/2" | 95 | 63,5 | 8,5 x 16 | 56 |
| UKM-514-T | 461  | 329,5 | 67 | 75 | G1" | 72 | 35 | G1/2" | 95 | 63,5 | 8,5 x 16 | 56 |
| UKM-518-T | 563  | 431,5 | 67 | 75 | G1" | 72 | 35 | G1/2" | 95 | 63,5 | 8,5 x 16 | 56 |
| UKM-524-T | 715  | 583,5 | 67 | 75 | G1" | 72 | 35 | G1/2" | 95 | 63,5 | 8,5 x 16 | 56 |
| UKM-536-T | 1020 | 888,5 | 67 | 75 | G1" | 72 | 35 | G1/2" | 95 | 63,5 | 8,5 x 16 | 56 |

| Typ       | A    | B   | D  | E  | F       | G  | I  | K   | L | M | N | O   | P  | Q       | T  |
|-----------|------|-----|----|----|---------|----|----|-----|---|---|---|-----|----|---------|----|
| UKM-708-T | 324  | 155 | 86 | 90 | G1 1/2" | 90 | 47 | G1" | - | - | - | 120 | 76 | 11 x 25 | 66 |
| UKM-712-T | 425  | 256 | 86 | 90 | G1 1/2" | 90 | 47 | G1" | - | - | - | 120 | 76 | 11 x 25 | 66 |
| UKM-714-T | 476  | 307 | 86 | 90 | G1 1/2" | 90 | 47 | G1" | - | - | - | 120 | 76 | 11 x 25 | 66 |
| UKM-718-T | 578  | 409 | 86 | 90 | G1 1/2" | 90 | 47 | G1" | - | - | - | 120 | 76 | 11 x 25 | 66 |
| UKM-724-T | 730  | 561 | 86 | 90 | G1 1/2" | 90 | 47 | G1" | - | - | - | 120 | 76 | 11 x 25 | 66 |
| UKM-736-T | 1035 | 866 | 86 | 90 | G1 1/2" | 90 | 47 | G1" | - | - | - | 120 | 76 | 11 x 25 | 66 |

| Typ       | A    | B   | D  | E  | F       | G  | I | K | L  | M     | N  | O   | P  | Q       | T  |
|-----------|------|-----|----|----|---------|----|---|---|----|-------|----|-----|----|---------|----|
| UKM-708-F | 324  | 155 | 86 | 90 | G1 1/2" | 88 | - | - | 18 | G1/2" | 48 | 120 | 76 | 11 x 25 | 66 |
| UKM-712-F | 425  | 256 | 86 | 90 | G1 1/2" | 88 | - | - | 18 | G1/2" | 48 | 120 | 76 | 11 x 25 | 66 |
| UKM-714-F | 476  | 307 | 86 | 90 | G1 1/2" | 88 | - | - | 18 | G1/2" | 48 | 120 | 76 | 11 x 25 | 66 |
| UKM-718-F | 578  | 409 | 86 | 90 | G1 1/2" | 88 | - | - | 18 | G1/2" | 48 | 120 | 76 | 11 x 25 | 66 |
| UKM-724-F | 730  | 561 | 86 | 90 | G1 1/2" | 88 | - | - | 18 | G1/2" | 48 | 120 | 76 | 11 x 25 | 66 |
| UKM-736-F | 1035 | 866 | 86 | 90 | G1 1/2" | 88 | - | - | 18 | G1/2" | 48 | 120 | 76 | 11 x 25 | 66 |

Maßangaben in mm

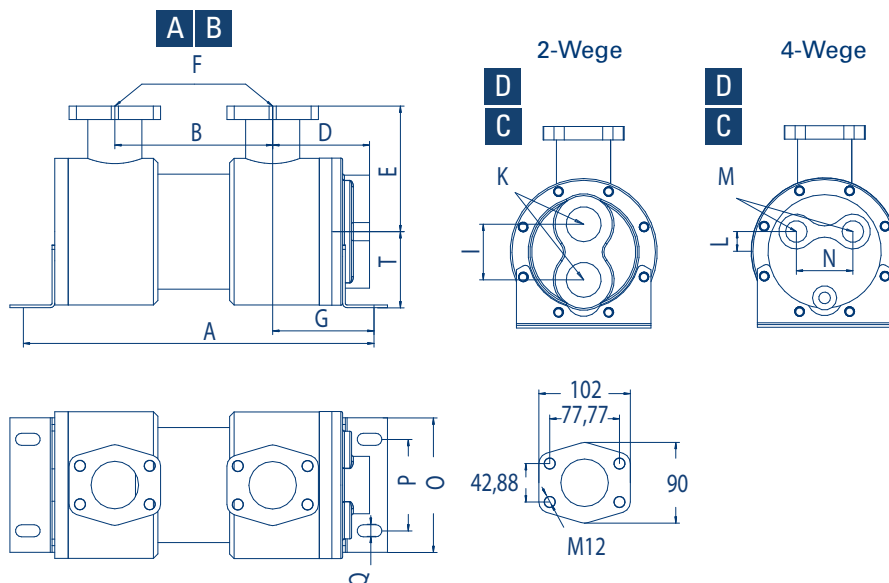


- A** - Zu kühlendes Medium
- B** - Gekühltes Medium
- C** - Kühlwasser „Ein“
- D** - Kühlwasser „Aus“

## Geräteabmessungen UKM-1000-Serie

| Typ        | A    | B    | D   | E   | F       | G   | I  | K       | L  | M     | N  | O   | P   | Q         | T  |
|------------|------|------|-----|-----|---------|-----|----|---------|----|-------|----|-----|-----|-----------|----|
| UKM-1012-T | 464  | 261  | 105 | 110 | G1 1/2" | 106 | 62 | G1 1/4" | -  | -     | -  | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1014-T | 515  | 312  | 105 | 110 | G1 1/2" | 106 | 62 | G1 1/4" | -  | -     | -  | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1018-T | 617  | 414  | 105 | 110 | G1 1/2" | 106 | 62 | G1 1/4" | -  | -     | -  | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1024-T | 769  | 566  | 105 | 110 | G1 1/2" | 106 | 62 | G1 1/4" | -  | -     | -  | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1036-T | 1074 | 871  | 105 | 110 | G1 1/2" | 106 | 62 | G1 1/4" | -  | -     | -  | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1048-T | 1379 | 1176 | 105 | 110 | G1 1/2" | 106 | 62 | G1 1/4" | -  | -     | -  | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1060-T | 1684 | 1481 | 105 | 110 | G1 1/2" | 106 | 62 | G1 1/4" | -  | -     | -  | 150 | 102 | 13,5 x 27 | 85 |
| Typ        | A    | B    | D   | E   | F       | G   | I  | K       | L  | M     | N  | O   | P   | Q         | T  |
| UKM-1012-F | 464  | 261  | 105 | 110 | G1 1/2" | 106 | -  | -       | 22 | G3/4" | 63 | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1014-F | 515  | 312  | 105 | 110 | G1 1/2" | 106 | -  | -       | 22 | G3/4" | 63 | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1018-F | 617  | 414  | 105 | 110 | G1 1/2" | 106 | -  | -       | 22 | G3/4" | 63 | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1024-F | 769  | 566  | 105 | 110 | G1 1/2" | 106 | -  | -       | 22 | G3/4" | 63 | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1036-F | 1074 | 871  | 105 | 110 | G1 1/2" | 106 | -  | -       | 22 | G3/4" | 63 | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1048-F | 1379 | 1176 | 105 | 110 | G1 1/2" | 106 | -  | -       | 22 | G3/4" | 63 | 150 | 102 | 13,5 x 27 | 85 |
| UKM-1060-F | 1684 | 1481 | 105 | 110 | G1 1/2" | 106 | -  | -       | 22 | G3/4" | 63 | 150 | 102 | 13,5 x 27 | 85 |

Maßangaben in mm

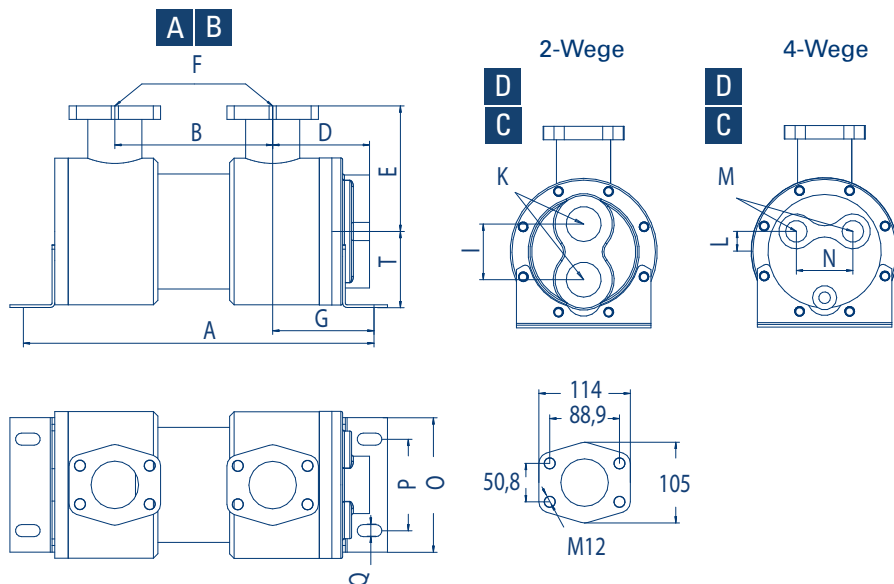


- A** - Zu kühlendes Medium
- B** - Gekühltes Medium
- C** - Kühlwasser „Ein“
- D** - Kühlwasser „Aus“

## Geräteabmessungen UKM-1200-Serie

| Typ        | A    | B    | D   | E   | F          | G   | I  | K   | L  | M   | N  | O   | P   | Q         | T   |
|------------|------|------|-----|-----|------------|-----|----|-----|----|-----|----|-----|-----|-----------|-----|
| UKM-1218-T | 617  | 390  | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1224-T | 769  | 542  | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1230-T | 922  | 695  | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1236-T | 1074 | 847  | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1242-T | 1227 | 1000 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1248-T | 1374 | 1152 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1254-T | 1531 | 1304 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1260-T | 1684 | 1457 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1266-T | 1837 | 1609 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1272-T | 1988 | 1762 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1278-T | 2142 | 1915 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1284-T | 2294 | 2067 | 132 | 145 | SAE 2 1/2" | 117 | 87 | G2" | -  | -   | -  | 190 | 142 | 13,5 x 27 | 120 |
| Typ        | A    | B    | D   | E   | F          | G   | I  | K   | L  | M   | N  | O   | P   | Q         | T   |
| UKM-1218-F | 617  | 390  | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1224-F | 769  | 542  | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1230-F | 922  | 695  | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1236-F | 1074 | 847  | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1242-F | 1227 | 1000 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1248-F | 1374 | 1152 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1254-F | 1531 | 1304 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1260-F | 1684 | 1457 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1266-F | 1837 | 1609 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1272-F | 1988 | 1762 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1278-F | 2142 | 1915 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |
| UKM-1284-F | 2294 | 2067 | 131 | 145 | SAE 2 1/2" | 117 | -  | -   | 25 | G1" | 70 | 190 | 142 | 13,5 x 27 | 120 |

Maßangaben in mm



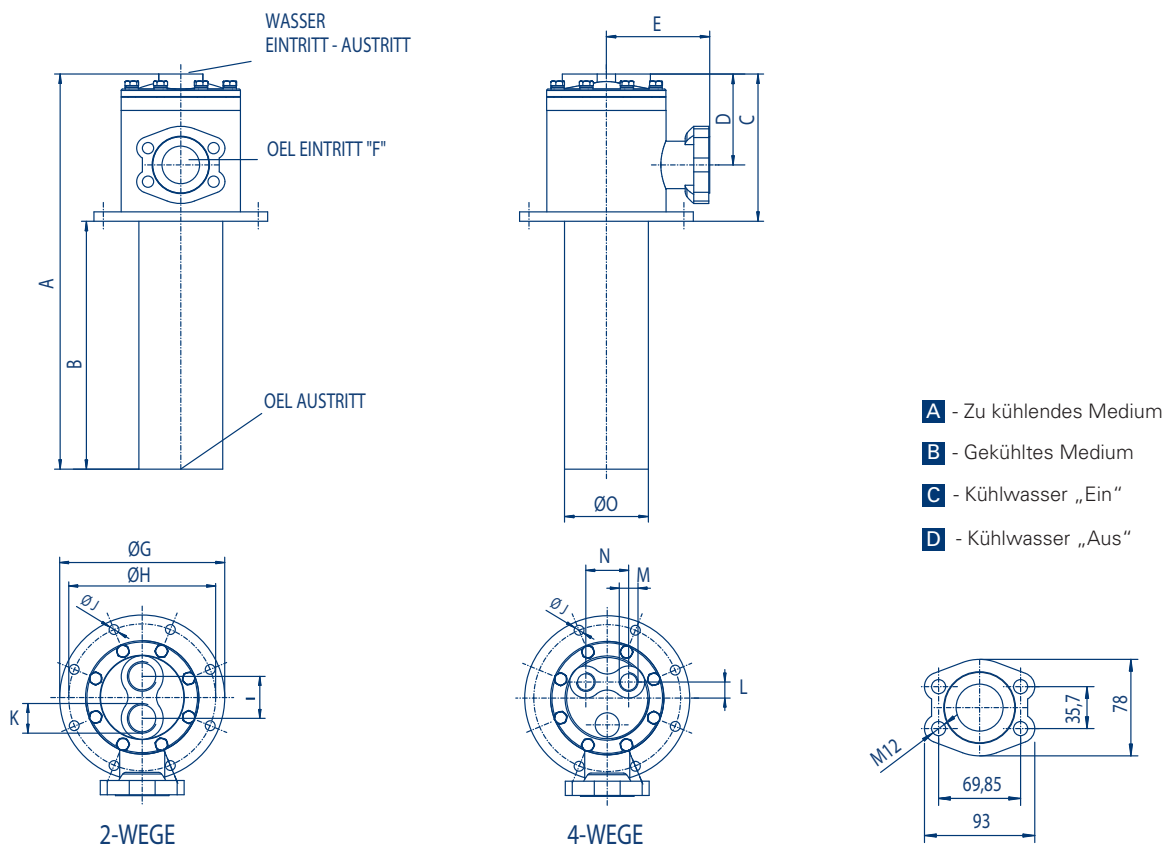
- A** - Zu kühlendes Medium
- B** - Gekühltes Medium
- C** - Kühlwasser „Ein“
- D** - Kühlwasser „Aus“

## Geräteabmessungen UKTM-500/700-Serie

| Typ        | A   | B   | C   | D  | E    | F   | G   | H   | I  | J  | K     | L | M | N | O     |
|------------|-----|-----|-----|----|------|-----|-----|-----|----|----|-------|---|---|---|-------|
| UKTM-505-T | 210 | 85  | 125 | 73 | 47,4 | G1" | 150 | 130 | 35 | 11 | G1/2" | - | - | - | 64,72 |
| UKTM-508-T | 286 | 140 | 146 | 93 | 47,4 | G1" | 150 | 130 | 35 | 11 | G1/2" | - | - | - | 64,72 |
| UKTM-512-T | 387 | 241 | 146 | 93 | 47,4 | G1" | 150 | 130 | 35 | 11 | G1/2" | - | - | - | 64,72 |
| UKTM-514-T | 438 | 292 | 146 | 93 | 47,4 | G1" | 150 | 130 | 35 | 11 | G1/2" | - | - | - | 64,72 |
| UKTM-518-T | 540 | 394 | 146 | 93 | 47,4 | G1" | 150 | 130 | 35 | 11 | G1/2" | - | - | - | 64,72 |
| UKTM-524-T | 692 | 546 | 146 | 93 | 47,4 | G1" | 150 | 130 | 35 | 11 | G1/2" | - | - | - | 64,72 |
| UKTM-536-T | 997 | 851 | 146 | 93 | 47,4 | G1" | 150 | 130 | 35 | 11 | G1/2" | - | - | - | 64,72 |

| Typ        | A   | B   | C   | D  | E   | F          | G   | H   | I  | J  | K   | L  | M     | N  | O     |
|------------|-----|-----|-----|----|-----|------------|-----|-----|----|----|-----|----|-------|----|-------|
| UKTM-708-T | 298 | 141 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | 47 | 11 | G1" | -  | -     | -  | 89,28 |
| UKTM-712-T | 399 | 242 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | 47 | 11 | G1" | -  | -     | -  | 89,28 |
| UKTM-714-T | 450 | 293 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | 47 | 11 | G1" | -  | -     | -  | 89,28 |
| UKTM-718-T | 552 | 395 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | 47 | 11 | G1" | -  | -     | -  | 89,28 |
| UKTM-724-T | 704 | 547 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | 47 | 11 | G1" | -  | -     | -  | 89,28 |
| Typ        | A   | B   | C   | D  | E   | F          | G   | H   | I  | J  | K   | L  | M     | N  | O     |
| UKTM-712-F | 298 | 141 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | -  | 11 | -   | 18 | G1/2" | 48 | 89,28 |
| UKTM-714-F | 399 | 242 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | -  | 11 | -   | 18 | G1/2" | 48 | 89,28 |
| UKTM-718-F | 450 | 293 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | -  | 11 | -   | 18 | G1/2" | 48 | 89,28 |
| UKTM-724-F | 552 | 395 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | -  | 11 | -   | 18 | G1/2" | 48 | 89,28 |
| UKTM-736-F | 704 | 547 | 157 | 97 | 110 | SAE 1 1/2" | 185 | 165 | -  | 11 | -   | 18 | G1/2" | 48 | 89,28 |

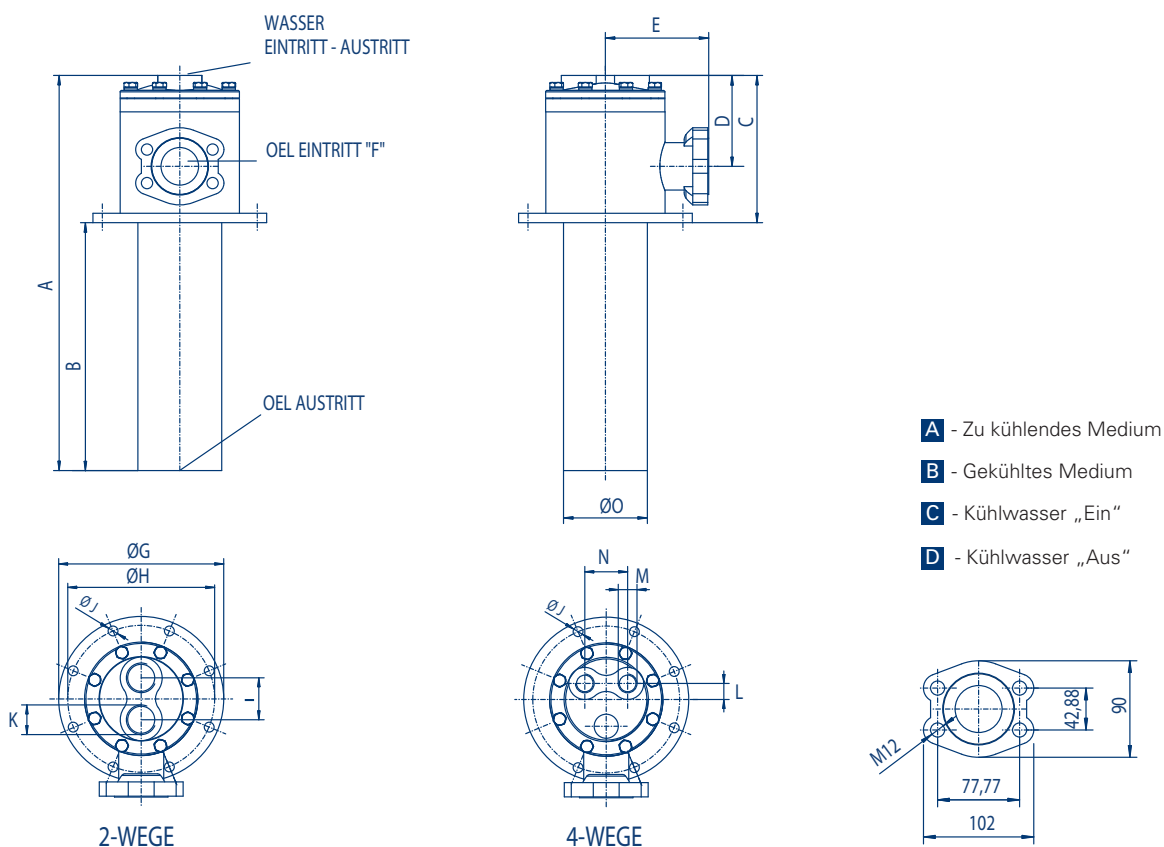
Maßangaben in mm



## Geräteabmessungen UKTM-1000-Serie

| Typ         | A    | B    | C   | D   | E   | F      | G   | H   | I  | J  | K        | L    | M     | N  | O      |
|-------------|------|------|-----|-----|-----|--------|-----|-----|----|----|----------|------|-------|----|--------|
| UKTM-1012-T | 426  | 240  | 186 | 111 | 125 | SAE 2" | 230 | 205 | 62 | 11 | G 1 1/4" | -    | -     | -  | 128,26 |
| UKTM-1014-T | 477  | 291  | 186 | 111 | 125 | SAE 2" | 230 | 205 | 62 | 11 | G 1 1/4" | -    | -     | -  | 128,26 |
| UKTM-1018-T | 579  | 393  | 186 | 111 | 125 | SAE 2" | 230 | 205 | 62 | 11 | G 1 1/4" | -    | -     | -  | 128,26 |
| UKTM-1024-T | 731  | 545  | 186 | 111 | 125 | SAE 2" | 230 | 205 | 62 | 11 | G 1 1/4" | -    | -     | -  | 128,26 |
| UKTM-1036-T | 1036 | 850  | 186 | 111 | 125 | SAE 2" | 230 | 205 | 62 | 11 | G 1 1/4" | -    | -     | -  | 128,26 |
| UKTM-1048-T | 1341 | 1155 | 186 | 111 | 125 | SAE 2" | 230 | 205 | 62 | 11 | G 1 1/4" | -    | -     | -  | 128,26 |
| Typ         | A    | B    | C   | D   | E   | F      | G   | H   | I  | J  | K        | L    | M     | N  | O      |
| UKTM-1012-F | 426  | 240  | 186 | 111 | 125 | SAE 2" | 230 | 205 | -  | 11 | -        | 22,5 | G3/4" | 63 | 128,26 |
| UKTM-1014-F | 477  | 291  | 186 | 111 | 125 | SAE 2" | 230 | 205 | -  | 11 | -        | 22,5 | G3/4" | 63 | 128,26 |
| UKTM-1018-F | 579  | 393  | 186 | 111 | 125 | SAE 2" | 230 | 205 | -  | 11 | -        | 22,5 | G3/4" | 63 | 128,26 |
| UKTM-1024-F | 731  | 545  | 186 | 111 | 125 | SAE 2" | 230 | 205 | -  | 11 | -        | 22,5 | G3/4" | 63 | 128,26 |
| UKTM-1036-F | 1036 | 850  | 186 | 111 | 125 | SAE 2" | 230 | 205 | -  | 11 | -        | 22,5 | G3/4" | 63 | 128,26 |
| UKTM-1048-F | 1341 | 1155 | 186 | 111 | 125 | SAE 2" | 230 | 205 | -  | 11 | -        | 22,5 | G3/4" | 63 | 128,26 |

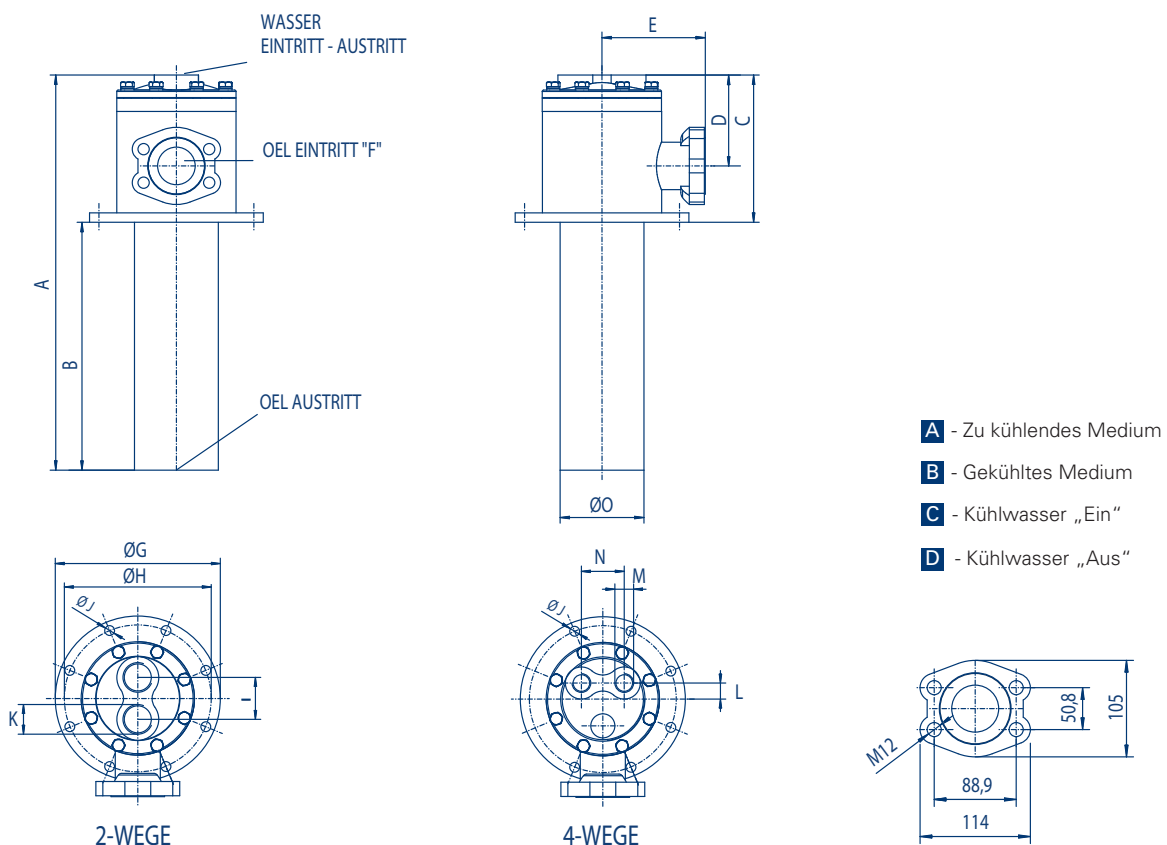
Maßangaben in mm



## Geräteabmessungen UKTM-1200-Serie

| Typ         | A    | B    | C   | D   | E   | F          | G   | H   | I  | J  | K   | L  | M   | N  | O   |
|-------------|------|------|-----|-----|-----|------------|-----|-----|----|----|-----|----|-----|----|-----|
| UKTM-1218-T | 595  | 393  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1224-T | 744  | 542  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1230-T | 900  | 698  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1236-T | 1050 | 848  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1242-T | 1205 | 1003 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1248-T | 1357 | 1155 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1254-T | 1509 | 1307 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1260-T | 1662 | 1460 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1266-T | 1814 | 1612 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1272-T | 1967 | 1765 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1278-T | 2120 | 1918 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| UKTM-1284-T | 2270 | 2068 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | 87 | 11 | G2" | -  | -   | -  | 160 |
| Typ         | A    | B    | C   | D   | E   | F          | G   | H   | I  | J  | K   | L  | M   | N  | O   |
| UKTM-1218-F | 595  | 393  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1224-F | 744  | 542  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1230-F | 900  | 698  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1236-F | 1050 | 848  | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1242-F | 1205 | 1003 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1248-F | 1357 | 1155 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1254-F | 1509 | 1307 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1260-F | 1662 | 1460 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1266-F | 1814 | 1612 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1272-F | 1967 | 1765 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1278-F | 2120 | 1918 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |
| UKTM-1284-F | 2270 | 2068 | 202 | 127 | 145 | SAE 2 1/2" | 275 | 240 | -  | 11 | -   | 25 | G1" | 70 | 160 |

Maßangaben in mm



## Technische Daten

**Achtung:** Unsachgemäßer Einbau kann zur Beschädigung des Kühlers führen. Bei Seewasser-Ausführungen sollten Zink-Anoden vorgesehen werden. Exakte Angaben zur Druckfestigkeit sind den jeweiligen Bauteilzeichnungen zu entnehmen.

### Maximaler Betriebsdruck

Mantel = bis zu 35 bar

Rohre = bis zu 16 bar

**Betriebstemperatur** = 5 - 95 °C

### Maximaler Durchfluß bei Rohrtyp (in l/min):

| Typ        | Öl<br>Mantel | Wasser<br>Rohre CuNi 90/10(CN) / Edelstahl (SS) |     |     |
|------------|--------------|-------------------------------------------------|-----|-----|
|            |              | O                                               | T   | F   |
| EKM - 500  | 75           | 60                                              | 30  | -   |
| EKM - 700  | 225          | 120                                             | 60  | 30  |
| EKM - 1000 | 330          | 280                                             | 140 | 70  |
| SKM - 1200 | 650          | 560                                             | 280 | 140 |
| EKM - 1400 | 850          | 520                                             | 260 | 130 |
| EKM - 1700 | 1200         | 980                                             | 490 | 245 |

| Typ        | Öl<br>Mantel | Wasser<br>Rohre Kupfer (CU) |      |     | Wasser<br>Rohre CuNi 90/10(CN) /<br>Edelstahl (SS) |      |     | Seewasser<br>Rohre CuNi 90/10(CN) |      |     |
|------------|--------------|-----------------------------|------|-----|----------------------------------------------------|------|-----|-----------------------------------|------|-----|
|            |              | O                           | T    | F   | O                                                  | T    | F   | O                                 | T    | F   |
| SCM - 1000 | 330          | 225                         | 110  | 55  | 340                                                | 170  | 85  | 285                               | 140  | 70  |
| SCM - 1200 | 650          | 500                         | 250  | 125 | 750                                                | 375  | 185 | 600                               | 300  | 150 |
| SCM - 1700 | 1200         | 850                         | 425  | 213 | 1300                                               | 650  | 325 | 1050                              | 530  | 265 |
| SCM - 2400 | 1800         | 1600                        | 800  | 400 | 2400                                               | 1200 | 600 | 2000                              | 1000 | 500 |
| SCM - 4000 | 3000         | 2400                        | 1200 | 600 | 3500                                               | 1750 | 875 | 2800                              | 1400 | 700 |

| Typ             | Öl<br>Mantel | Wasser<br>Rohre Kupfer (CU) |    |   | Wasser<br>Rohre CuNi 90/10(CN) /<br>Edelstahl (SS) |     | Seewasser<br>Rohre CuNi 90/10(CN) |     |
|-----------------|--------------|-----------------------------|----|---|----------------------------------------------------|-----|-----------------------------------|-----|
|                 |              | O                           | T  | F | T                                                  | F   | T                                 | F   |
| UKTM/UKM - 500  | 75           | 17                          | -  | - | 26                                                 | -   | 22                                | -   |
| UKTM/UKM - 700  | 225          | 34                          | 16 | - | 52                                                 | 24  | 43                                | 21  |
| UKTM/UKM - 1000 | 400          | 82                          | 40 | - | 122                                                | 58  | 102                               | 51  |
| UKTM/UKM - 1200 | 650          | 182                         | 91 | - | 227                                                | 136 | 227                               | 114 |

Die technischen Angaben in diesem Datenblatt beziehen sich auf die beschriebenen Betriebsbedingungen und Einsatzfälle. Bei abweichenden Betriebsbedingungen und Einsatzfällen wenden Sie sich bitte an Universal Hydraulik. Technische Änderungen vorbehalten. Bitte beachten Sie auch unsere Bedienungs- und Wartungsanleitung. Verbindliche Maßangaben sind im Auftragsfall der zugehörigen Bauteilzeichnung zu entnehmen.

*advanced quality  
customized designs  
made in europe and usa*

## Bestellschlüssel

**SS - EKM - 1036 - 6 - O - CN - R - W - SW (S:G112 - T:G114)**

**Vollständig  
aus Edelstahl**  
incl. Aluminium  
Lamellen

**Serienkürzel**  
EKM-Serie  
SKM-Serie  
SCM-Serie  
UKM-Serie  
UKTM-Serie

R = ziehbares Rohrbündel

**Baugröße**

**Umlenksegmentabstand**

**Anschluss  
Rohrseitig**  
siehe folgende Seite

**Anschluss  
Mantelseitig**  
siehe folgende Seite

**Material der Enddeckel**  
SW = Grauguss (chemisch vernickelt)  
SWBZ = Seewasserbeständige  
Rotgussdeckel + Zinkanode  
SS = Edelstahl  
Ohne Angabe = Grauguss oder Stahl

**Material der Rohrböden**  
W = Messing  
SS = Edelstahl  
Ohne Angabe = Stahl

**Bypassvariante**  
R/R2 = teilöffnend (Anschlussabhängig)  
RS/RS2 = vollöffnend (Anschlussabhängig)

**Material der Wasserrohre**  
CN= Kupfer-Nickel  
CU= Kupfer  
SS= Edelstahl

**Mediumführung  
(wasserseitig)**  
O= 1-Weg  
T= 2-Wege  
F= 4-Wege

## Anschlussbezeichnung

**EKM - 1036 - O - CN (S:G112 - T:G114)**

Typenschlüssel lt. Datenblatt  
(siehe vorherige Seite)

Anschlussart  
und Anschlussgröße,  
Mantelseitig

Anschlussart  
und Anschlussgröße,  
Rohrseitig

## Anschlusstabelle

| G<br>BSPP-Gewinde:   | N<br>NPT-Gewinde:    | #<br>SAE-Port mit UNF:  | S<br>SAE-Flansch:      |
|----------------------|----------------------|-------------------------|------------------------|
| G1/8" = G18          | 1/8"NPT = N18        | 7/16-20 UNF = #4        | 3/4"-3000psi = S34     |
| G1/4" = G14          | 1/4"NPT = N14        | 1/2-20 UNF = #5         | 1"-3000psi = S1        |
| G3/8" = G38          | 3/8"NPT = N38        | 9/16-18 UNF = #6        | 1 1/4"-3000psi = S114  |
| G1/2" = G12          | 1/2"NPT = N12        | 3/4-16 UNF = #8         | 1 1/2"-3000psi = S112  |
| G3/4" = G34          | 3/4"NPT = N34        | 7/8-14 UNF = #10        | 2"-3000psi = S2        |
| G1" = G1             | 1"NPT = N1           | 1-1/16-12 UN = #12      | 2 1/2"-3000psi = S212  |
| G1 1/4" = G114       | 1 1/4"NPT = N114     | 1-3/16-12 UN = #14      | 3"-3000psi = S3        |
| G1 1/2" = G112       | 1 1/2"NPT = N112     | 1-5/16-12 UN = #16      | 4"-3000psi = S4        |
| G2" = G2             | 2"NPT = N2           | 1-5/8-12 UN = #20       | 5"-3000psi = S5        |
|                      |                      | 1-7/8-12 UN = #24       |                        |
|                      |                      | 2-1/2-12 UN = #32       |                        |
| D<br>DIN-Flansch:    | D<br>DIN-Flansch:    | A<br>ANSI-Flansch:      | A<br>ANSI-Flansch:     |
| DN20/PN16 = D20/16   | DN20/PN40 = D20/40   | 1/2"-150lbs = A12/15    | 1/2"-300lbs = A12/3    |
| DN25/PN16 = D25/16   | DN25/PN40 = D25/40   | 3/4"-150lbs = A34/15    | 3/4"-300lbs = A34/3    |
| DN32/PN16 = D32/16   | DN32/PN40 = D32/40   | 1"-150lbs = A1/15       | 1"-300lbs = A1/3       |
| DN40/PN16 = D40/16   | DN40/PN40 = D40/40   | 1 1/4"-150lbs = A114/15 | 1 1/4"-300lbs = A114/3 |
| DN50/PN16 = D50/16   | DN50/PN40 = D50/40   | 1 1/2"-150lbs = A112/15 | 1 1/2"-300lbs = A112/3 |
| DN65/PN16 = D65/16   | DN65/PN40 = D65/40   | 2"-150lbs = A2/15       | 2"-300lbs = A2/3       |
| DN80/PN16 = D80/16   | DN80/PN40 = D80/40   | 2 1/2"-150lbs = A212/15 | 2 1/2"-300lbs = A212/3 |
| DN100/PN16 = D100/16 | DN100/PN40 = D100/40 | 3"-150lbs = A3/15       | 3"-300lbs = A3/3       |
| DN125/PN16 = D125/16 | DN125/PN40 = D125/40 | 4"-150lbs = A4/15       | 4"-300lbs = A4/3       |
| DN150/PN16 = D150/16 | DN150/PN40 = D150/40 | 5"-150lbs = A5/15       | 5"-300lbs = A5/3       |
| DN200/PN16 = D200/16 | DN200/PN40 = D200/40 |                         |                        |

## Vertrieb

**Universal Hydraulik GmbH**  
Siemensstr. 33 · D-61267 Neu-Anspach  
Tel.: +49 (0) 60 81/94 18 - 0 · Fax +49 (0) 60 81/94 18 49  
E-Mail: [info@universalhydraulik.com](mailto:info@universalhydraulik.com)  
[www.universalhydraulik.com](http://www.universalhydraulik.com)

**Universal Hydraulik USA, Corp.**  
Fort Meigs Business Center · 25651 Fort Meigs Road, Suite A  
Perrysburg, OH 43551  
Phone: 419 873 63 40 · Fax: 419 873 63 42  
email: [info@universalhydraulik.com](mailto:info@universalhydraulik.com)  
[www.universalhydraulik-usa.com](http://www.universalhydraulik-usa.com)