



Copper Tube



AIR CONDITIONING
& REFRIGERATION
COPPER TUBE
AS/NZS 1571
ASTM B280
BSEN 12735

www.kembla.com.au



Copper Tube

MM Kembla has been providing our customers with the highest quality and most reliable products and services for over 100 years. Established in 1916, MM Kembla is Australia's only copper tube manufacturer. Still operating from its original site at Port Kembla, NSW Australia, MM Kembla remains the most highly regarded supplier of copper products including tube, fittings and accessories. Extensive technical knowledge combined with stringent in-house quality controls and testing with an ISO 9001 certified quality management system, MM Kembla has developed a renowned reputation for quality, reliability and service.



AIR CONDITIONING & REFRIGERATION TUBE

KEMBLA® copper tube is manufactured to a variety of international standards, including Australian, New Zealand, British/European and American, and is suitable for different applications such as plumbing, air conditioning, refrigeration, medical gas, and general engineering applications.

Included in the KEMBLA® ranges are the three International Standards for air conditioning and refrigeration grade tubes, which have different internal cleanliness specifications:

- **Australian/New Zealand Standard AS/NZS 1571**
(max. total residue shall not exceed 0.038g/m²)
- **American Standard ASTM B280**
(max. total residue shall not exceed 0.038g/m²)
- **European Standard EN 12735-1**
(max. total carbon residue shall not exceed 0.038g/m²)

All KEMBLA® tubes are guaranteed to comply with each of these relevant Standards and Test Certificates are provided for all products upon request. After cleaning, all tubes are individually end-capped to maintain their internal cleanliness. All straight tubes are manufactured in 5.8m lengths for ease of containerisation and are bundled and wrapped in plastic for maximum protection. Individual coils are also wrapped in plastic, packed into cardboard cartons and palletized for delivery.

Included in some ranges are products suitable for high-pressure refrigerants such as R410A and R32, which are ozone friendly refrigerants. These tubes are identified and protected with pink caps to designate they are "high pressure refrigerant tubes". R410A for example has a 60% higher operating pressure than

R22 and requires a thicker wall tube and significantly stronger copper fittings. 15% silver solder is recommended when brazing tube for use with R410A or other high pressure refrigerants.

Tubes are available from 6.35mm (1/4") to 104.78mm (4-1/8") diameter in various wall thicknesses depending on the Standard, as shown in the following tables.

REFRIGERATION FITTINGS TO AMERICAN STANDARD ASME B16.22

KEMBLA® fittings are marketed under the famous KEMBLA® and K Tick brand marks. The ASME B16.22 range of fittings is available to suit all KEMBLA® air conditioning and refrigeration grade tubes, and are stocked in various Kembla warehouse locations throughout Australia, New Zealand and South East Asia.

Each fitting is permanently marked with the KEMBLA® or K Tick brand mark and are individually cleaned, bagged and labeled to fully comply with the cleanliness requirements of AS/NZS 1571, ASTM B280 and EN 12735-1. Refer to the KEMBLA 'Refrigeration Fittings Range' brochure on our web site.



KEMBLA® COPPER TUBE TO AUSTRALIAN/NEW ZEALAND STANDARD AS/NZS 1571

| ACTUAL TUBE SIZE | | | WEIGHT (kg/m) | SAFE WORKING PRESSURE (kPa)# | | STRAIGHT LENGTH (5.8m) | STRAIGHT LENGTH (6.0m) | LENGTHS/ BUNDLE | PRODUCT DETAILS | | | |
|--------------------------|----------------------------|-----------------|------------------|------------------------------|----------------|---------------------------|---------------------------|--------------------|--------------------|------------------|-----------------|-----|
| OUTSIDE DIAMETER (mm) | WALL THICKNESS (inches) | 50°C | | 70°C | ANNEALED COILS | | | | COIL LENGTH (m) | COILS/ CARTON | COILS PALLET | |
| 4.76 | 0.71 | 3/16" x 22swg | 0.081 | 12,715 | 10,854 | | | | T32263 | 30 | 5 | 135 |
| 6.35 | 0.56 | 1/4" x 24swg | 0.091 | 7,069 | 6,035 | | | | T32458 | 15 | 13 | 468 |
| 6.35 | 0.61 | 1/4" x 23swg | 0.098 | 7,760 | 6,625 | | | | T95105 | 15 | 13 | 468 |
| 6.35 | 0.71 | 1/4" x 22swg | 0.113 | 9,175 | 7,832 | | | | T32780 | 15 | 13 | 468 |
| 6.35 | 0.81 | 1/4" x 21swg | 0.126 | 10,635 | 9,078 | T51430 | T51435 | 100 | T74634 | 30 | 5 | 160 |
| 6.35 | 0.91 | 1/4" x 20swg | 0.139 | 12,142 | 10,365 | T92028 | T92029 | 100 | T32336 | 30 | 5 | 160 |
| 7.94 | 0.91 | 5/16" x 20swg | 0.180 | 9,431 | 8,051 | | | | T32522 | 30 | 5 | 160 |
| 9.52 | 0.61 | 3/8" x 23swg | 0.153 | 5,018 | 4,284 | | | | T95120 | 15 | 8 | 320 |
| 9.52 | 0.71 | 3/8" x 22swg | 0.176 | 5,900 | 5,037 | T92195 | | 100 | T55746 | 15 | 8 | 320 |
| 9.52 | 0.81 | 3/8" x 21swg | 0.198 | 6,800 | 5,805 | T77111 | T77112 | 100 | T55743 | 18 | 6 | 240 |
| 9.52 | 0.91 | 3/8" x 20swg | 0.220 | 7,718 | 6,589 | T56849 | T56847 | 100 | T32662 | 18 | 6 | 240 |
| 12.70 | 0.61 | 1/2" x 23swg | 0.207 | 3,705 | 3,163 | | | | T95130 | 15 | 8 | 224 |
| 12.70 | 0.71 | 1/2" x 22swg | 0.239 | 4,344 | 3,709 | T16063 * | | 100 | T54139 | 15 | 8 | 224 |
| 12.70 | 0.81 | 1/2" x 21swg | 0.271 | 4,994 | 4,263 | T10286 * | T10287 * | 100 | T54133 | 18 | 4 | 184 |
| 12.70 | 0.91 | 1/2" x 20swg | 0.301 | 5,653 | 4,825 | T22528 * | T22527 * | 100 | T32930 | 18 | 4 | 184 |
| 12.70 | 1.02 | 1/2" x 19swg | 0.335 | 6,389 | 5,454 | | T57380 * | 100 | | | | |
| 15.88 | 0.61 | 5/8" x 23swg | 0.262 | 2,936 | 2,507 | | | | T95140 | 15 | 5 | 200 |
| 15.88 | 0.71 | 5/8" x 22swg | 0.303 | 3,438 | 2,935 | | | | T95145 | 15 | 5 | 200 |
| 15.88 | 0.81 | 5/8" x 21swg | 0.343 | 3,945 | 3,368 | | | | T52076 | 15 | 5 | 200 |
| 15.88 | 0.91 | 5/8" x 20swg | 0.383 | 4,459 | 3,807 | T24938 * | T24937 * | 100 | T33090 | 18 | 3 | 132 |
| 15.88 | 1.02 | 5/8" x 19swg | 0.426 | 5,031 | 4,295 | T16871 * | T16870 * | 100 | T16850 | 18 | 3 | 132 |
| 19.05 | 0.71 | 3/4" x 22swg | 0.366 | 2,846 | 2,430 | | | | T95155 | 15 | 4 | 128 |
| 19.05 | 0.91 | 3/4" x 20swg | 0.464 | 3,684 | 3,145 | T88073 * | T88072 * | 100 | T33294 | 18 | 3 | 108 |
| 19.05 | 1.02 | 3/4" x 19swg | 0.517 | 4,152 | 3,544 | | T24813 * | 100 | | | | |
| 19.05 | 1.14 | 3/4" x 0.045" | 0.574 | 4,668 | 3,985 | T16856* | T16855 * | 100 | T16857 | 18 | 2 | 72 |
| 19.05 | 1.22 | 3/4" x 18swg | 0.611 | 5,015 | 4,281 | | | | T33243 | 15 | 4 | 128 |
| 22.22 | 0.91 | 7/8" x 20swg | 0.545 | 3,138 | 2,679 | T13864 * | T13862 * | 100 | T76198 | 18 | 3 | 132 |
| 22.22 | 1.14 | 7/8" x 0.045" | 0.675 | 3,970 | 3,389 | T21091 * | | 100 | | | | |
| 22.22 | 1.22 | 7/8" x 18swg | 0.720 | 4,263 | 3,639 | | T64173 * | 100 | | | | |
| 22.22 | 1.40 | 7/8" x 0.055" | 0.819 | 4,929 | 4,208 | T16861 * | T16860 * | 100 | | | | |
| 22.22 | 1.63 | 7/8" x 16swg | 0.943 | 5,796 | 4,948 | | T23515 | 100 | | | | |
| 25.40 | 0.91 | 1" x 20swg | 0.626 | 2,732 | 2,332 | T60659 | T60658 | 50 | | | | |
| 25.40 | 1.22 | 1" x 18swg | 0.829 | 3,705 | 3,163 | T91955 | T91952 | 50 | | | | |
| 25.40 | 1.63 | 1" x 16swg | 1.089 | 5,026 | 4,291 | T79846 | T79850 | 50 | | | | |
| 28.58 | 0.91 | 1 1/8" x 20swg | 0.708 | 2,419 | 2,065 | T73973 | T73971 | 50 | | | | |
| 28.58 | 1.22 | 1 1/8" x 18swg | 0.938 | 3,276 | 2,797 | T91963 | T91961 | 50 | | | | |
| 28.58 | 1.63 | 1 1/8" x 16swg | 1.234 | 4,437 | 3,787 | | T14559 | 50 | | | | |
| 28.58 | 1.83 | 1 1/8" x 15swg | 1.376 | 5,014 | 4,281 | T14570 | | 50 | | | | |
| 31.75 | 0.91 | 1 1/4" x 20swg | 0.789 | 2,171 | 1,853 | T22040 | T22039 | 50 | | | | |
| 31.75 | 1.22 | 1 1/4" x 18swg | 1.047 | 2,937 | 2,508 | T91979 | T21820 | 50 | | | | |
| 31.75 | 2.03 | 1 1/4" x 14swg | 1.695 | 5,007 | 4,274 | | | 50 | | | | |
| 34.92 | 0.91 | 1 3/8" x 20swg | 0.870 | 1,969 | 1,681 | T15239 | T15237 | 50 | | | | |
| 34.92 | 1.22 | 1 3/8" x 18swg | 1.155 | 2,662 | 2,272 | T91989 | T91987 | 50 | | | | |
| 34.92 | 1.40 | 1 3/8" x 0.055" | 1.319 | 3,070 | 2,620 | T81876 | | 50 | | | | |
| 34.92 | 1.63 | 1 3/8" x 16swg | 1.525 | 3,596 | 3,070 | T75974 | | 50 | | | | |
| 34.92 | 2.03 | 1 3/8" x 14swg | 1.876 | 4,527 | 3,865 | T75981 | T75980 | 50 | | | | |
| 38.10 | 1.22 | 1 1/2" x 18swg | 1.264 | 2,433 | 2,077 | T91996 | T91995 | 50 | | | | |
| 41.28 | 0.91 | 1 5/8" x 20swg | 1.032 | 1,660 | 1,417 | T32923 | T32921 | 50 | | | | |
| 41.28 | 1.22 | 1 5/8" x 18swg | 1.373 | 2,241 | 1,913 | T91793 | T91791 | 25 | | | | |
| 41.28 | 1.63 | 1 5/8" x 16swg | 1.816 | 3,021 | 2,579 | | T83062 | 25 | | | | |
| 41.28 | 2.41 | 1 5/8" x 15swg | 2.632 | 4,548 | 3,882 | T16866 | T16865 | 25 | | | | |
| 50.80 | 1.22 | 2" x 18swg | 1.700 | 1,812 | 1,546 | | T94943 | 25 | | | | |
| 53.98 | 0.91 | 2 1/8" x 20swg | 1.357 | 1,263 | 1,078 | T78167 | T78166 | 25 | | | | |
| 53.98 | 1.22 | 2 1/8" x 18swg | 1.809 | 1,703 | 1,453 | T94961 | T94960 | 25 | | | | |
| 53.98 | 1.63 | 2 1/8" x 16swg | 2.398 | 2,291 | 1,956 | T94950 | T94951 | 25 | | | | |
| 53.98 | 1.78 | 2 5/8" x 16swg | 2.611 | 2,508 | 2,141 | T76032 | | 25 | | | | |
| 53.98 | 2.64 | 2 5/8" x 12swg | 3.809 | 3,776 | 3,223 | T61585 | | 25 | | | | |
| 63.50 | 1.22 | 2 1/2" x 18swg | 2.135 | 1,443 | 1,232 | | T89945 | 25 | | | | |
| 66.68 | 1.22 | 2 5/8" x 18swg | 2.244 | 1,373 | 1,172 | T31978 | T31976 | 25 | | | | |
| 66.68 | 1.63 | 2 5/8" x 16swg | 2.979 | 1,845 | 1,575 | T75568 | T75566 | 25 | | | | |
| 66.68 | 2.03 | 2 5/8" x 14swg | 3.688 | 2,310 | 1,972 | T68985 | T68980 | 25 | | | | |
| 76.20 | 1.63 | 3" x 16swg | 3.416 | 1,610 | 1,374 | | T88013 | 25 | | | | |
| 79.38 | 2.29 | 3 1/8" x 0.090" | 4.961 | 2,186 | 1,866 | T20811 | | 20 | | | | |
| 101.60 | 1.63 | 4" x 16swg | 4.579 | 1,201 | 1,026 | T20924 | T20923 | 10 | | | | |
| 104.78 | 2.79 | 4 1/8" x 0.110" | 7.996 | 2,013 | 1,719 | T31309 | | 10 | | | | |

Suitable for R410A and some other high pressure refrigerants

* Straight lengths supplied in half hard temper, otherwise hard drawn # Safe Working Pressures are based on annealed temper

KEMBLA® COPPER TUBE TO EUROPEAN STANDARD EN 12735-1

| OUTSIDE DIAMETER (mm) | ACTUAL TUBE SIZE WALL x THICKNESS (inches) | WEIGHT (kg/m) | SAFE WORKING PRESSURE (kPa)# | | STRAIGHT LENGTH (5.8m) | LENGTHS/ BUNDLE | PRODUCT DETAILS ANNEALED COILS | COIL LENGTH (m) | COILS/ CARTON | COILS PALLET | |
|-----------------------|--|-----------------|------------------------------|--------|------------------------|-----------------|--------------------------------|-----------------|---------------|--------------|-----|
| | | | 50°C | 70°C | | | | | | | |
| 6.35 | 0.56 | 1/4" x 24swg | 0.091 | 7,070 | 6,030 | | | T32450 | 15 | 13 | 468 |
| 6.35 | 0.71 | 1/4" x 22swg | 0.113 | 9,170 | 7,830 | T55967 | 100 | T32435 | 30 | 5 | 160 |
| 6.35 | 0.81 | 1/4" x 21swg | 0.126 | 10,630 | 9,080 | T51425 | 100 | T74630 | 15 | 13 | 468 |
| 9.52 | 0.56 | 3/8" x 24swg | 0.141 | 4,580 | 3,910 | | | T55255 | 15 | 8 | 320 |
| 9.52 | 0.61 | 3/8" x 23swg | 0.153 | 5,020 | 4,280 | | | T86746 | 15 | 8 | 320 |
| 9.52 | 0.71 | 3/8" x 22swg | 0.176 | 5,900 | 5,040 | T92193 | 100 | T32785 | 30 | 5 | 160 |
| 9.52 | 0.81 | 3/8" x 21swg | 0.198 | 6,800 | 5,800 | T77113 | 100 | T55746 | 15 | 8 | 320 |
| 12.70 | 0.56 | 1/2" x 24swg | 0.191 | 3,390 | 2,890 | | | T74626 | 15 | 6 | 240 |
| 12.70 | 0.61 | 1/2" x 23swg | 0.207 | 3,700 | 3,160 | | | T87420 | 15 | 6 | 240 |
| 12.70 | 0.71 | 1/2" x 22swg | 0.239 | 4,340 | 3,710 | T16062* | 100 | T33020 | 30 | 3 | 120 |
| 12.70 | 0.81 | 1/2" x 21swg | 0.271 | 4,990 | 4,260 | T10285* | 100 | T54140 | 15 | 6 | 192 |
| 15.88 | 0.61 | 5/8" x 23swg | 0.262 | 2,940 | 2,510 | | | T91229 | 15 | 5 | 200 |
| 15.88 | 0.81 | 5/8" x 21swg | 0.343 | 3,950 | 3,370 | | | T52081 | 15 | 5 | 200 |
| 15.88 | 0.91 | 5/8" x 20swg | 0.383 | 4,460 | 3,810 | T24939* | 100 | | | | |
| 15.88 | 1.02 | 5/8" x 19swg | 0.426 | 4,870 | 4,160 | T16875* | 100 | T16853 | 15 | 5 | 200 |
| 19.05 | 0.71 | 3/4" x 22swg | 0.366 | 2,850 | 2,430 | | | T33319 | 15 | 4 | 128 |
| 19.05 | 0.91 | 3/4" x 20swg | 0.464 | 3,680 | 3,140 | T88074* | 100 | | | | |
| 19.05 | 1.14 | 3/4" x 0.045" | 0.574 | 4,400 | 3,760 | T16854* | 100 | T16862 | 15 | 4 | 128 |
| 22.22 | 0.91 | 7/8" x 20swg | 0.545 | 3,140 | 2,680 | T13865* | 100 | | | | |
| 22.22 | 1.40 | 7/8" x 0.055" | 0.819 | 4,640 | 3,960 | T16863* | 100 | | | | |
| 25.40 | 1.63 | 1" x 16swg | 1.089 | 4,730 | 4,040 | T79851 | | | | | |
| 28.58 | 0.91 | 1 1/8" x 20swg | 0.708 | 2,420 | 2,070 | T73974* | 50 | | | | |
| 28.58 | 1.22 | 1 1/8" x 18swg | 0.938 | 3,090 | 2,640 | T14578 | 50 | | | | |
| 28.58 | 1.83 | 1 1/8" x 15swg | 1.376 | 4,720 | 4,030 | T14572 | 50 | | | | |
| 34.92 | 1.22 | 1 3/8" x 18swg | 1.155 | 2,510 | 2,140 | T91990 | 50 | | | | |
| 34.92 | 2.03 | 1 3/8" x 14swg | 1.876 | 4,260 | 3,640 | T75983 | 50 | | | | |
| 41.28 | 1.22 | 1 5/8" x 18swg | 1.373 | 2,110 | 1,800 | T91794 | 25 | | | | |
| 41.28 | 2.41 | 1 5/8" x 15swg | 2.632 | 4,280 | 3,660 | T16867 | 25 | | | | |
| 53.98 | 1.22 | 2 1/8" x 18swg | 1.809 | 1,610 | 1,370 | T94963 | 25 | | | | |
| 66.68 | 1.63 | 2 5/8" x 16swg | 2.979 | 1,740 | 1,490 | T75569 | 25 | | | | |
| 79.38 | 2.29 | 3 1/8" x 0.090" | 4.961 | 2,060 | 1,760 | T20812 | 20 | | | | |

Suitable for R410A and some other high pressure refrigerants

* Straight lengths supplied in half hard temper, otherwise hard drawn

Safe Working Pressures are based on annealed temper



PairCoil



PairCoil MAX

KEMBLA® PAIRCOIL TO AS/NZS 1571

MM Kembla supplies Insulated Pair Coils in both a standard white cross linked polyethylene and a fire resistant black nitrile rubber version for high humidity regions. Pair Coils have the benefits of fast and easy installation without the need for gluing and taping of short lengths.

All of the Kembla® copper meets the requirements of R410A and some other high pressure refrigerants and are manufactured to AS/NZS 1571. Refer to the separate brochures on our website for more details.

Copper Tube TO ASTM B280

KEMBLA® COPPER TUBE TO AMERICAN STANDARD ASTM B280

| PRODUCT CODE | STANDARD SIZE (inch) | ACTUAL (inch) | | ACTUAL (mm) | | WEIGHT (kg/length) | SAFE WORKING PRESSURE (kPa)# | | LENGTHS/ BUNDLE |
|--------------|----------------------|---------------|-------|-------------|------|--------------------|------------------------------|-------|-----------------|
| | | O.D. | W.T. | O.D. | W.T. | | 50°C | 70°C | |
| T51420 | 1/4" | 1/4" | 0.030 | 6.35 | 0.76 | 0.69 | 9,900 | 8,450 | 100 |
| T21688 | 3/8" | 3/8" | 0.030 | 9.52 | 0.76 | 1.09 | 6,350 | 5,420 | 100 |
| T21173 | 1/2" | 1/2" | 0.035 | 12.70 | 0.89 | 1.71 | 5,520 | 4,710 | 100 |
| T15123 | 5/8" | 5/8" | 0.040 | 15.88 | 1.02 | 2.47 | 5,030 | 4,290 | 100 |
| T24453 | 3/4" | 3/4" | 0.042 | 19.05 | 1.07 | 3.14 | 4,370 | 3,730 | 100 |
| T62952 | 7/8" | 7/8" | 0.045 | 22.22 | 1.14 | 3.92 | 3,970 | 3,390 | 100 |
| T82010 | 1-1/8" | 1-1/8" | 0.050 | 28.58 | 1.27 | 5.65 | 3,420 | 2,920 | 50 |
| T13546 | 1-3/8" | 1-3/8" | 0.055 | 34.92 | 1.40 | 7.65 | 3,070 | 2,620 | 50 |
| T25513 | 1-5/8" | 1-5/8" | 0.060 | 41.28 | 1.52 | 9.85 | 2,810 | 2,400 | 25 |
| T76024 | 2-1/8" | 2-1/8" | 0.070 | 53.98 | 1.78 | 15.14 | 2,510 | 2,140 | 25 |
| T81260 | 2-5/8" | 2-5/8" | 0.080 | 66.68 | 2.03 | 21.39 | 2,310 | 1,970 | 25 |
| T22196 | 3-1/8" | 3-1/8" | 0.090 | 79.38 | 2.29 | 28.77 | 2,190 | 1,870 | 20 |
| T71115 | 4-1/8" | 4-1/8" | 0.110 | 104.78 | 2.79 | 46.38 | 2,010 | 1,720 | 10 |

KEMBLA® ANNEALED COILS TO AMERICAN STANDARD ASTM B280

| PRODUCT CODE | STANDARD SIZE (inch) | ACTUAL (inch) | | ACTUAL (mm) | | WEIGHT (kg/Coil) | SAFE WORKING PRESSURE (kPa)# | | COILS/ CARTON | COILS/ PALLET |
|--------------|----------------------|---------------|-------|-------------|------|------------------|------------------------------|-------|---------------|---------------|
| | | O.D. | W.T. | O.D. | W.T. | | 50°C | 70°C | | |
| T59420 | 1/4" | 1/4" | 0.030 | 6.35 | 0.76 | 1.79 | 9,830 | 8,400 | 13 | 468 |
| T58122 | 5/16" | 5/16" | 0.032 | 7.94 | 0.81 | 2.43 | 8,300 | 7,090 | 5 | 160 |
| T32773 | 3/8" | 3/8" | 0.032 | 9.52 | 0.81 | 2.97 | 6,810 | 5,810 | 8 | 320 |
| T33016 | 1/2" | 1/2" | 0.032 | 12.70 | 0.81 | 4.06 | 5,000 | 4,270 | 6 | 240 |
| T33121 | 5/8" | 5/8" | 0.035 | 15.88 | 0.89 | 5.62 | 4,240 | 3,620 | 5 | 200 |
| T33300 | 3/4" | 3/4" | 0.035 | 19.05 | 0.89 | 6.81 | 3,500 | 2,990 | 4 | 128 |
| T21100 | 7/8" | 7/8" | 0.045 | 22.22 | 1.14 | 10.13 | 3,990 | 3,400 | 3 | 132 |

Safe Working Pressures are based on annealed temper

REFRIGERANT PRESSURE-TEMPERATURE CHART

The following table is a comparison of operating pressures for the most common refrigerants and can be used for determining which copper tube size is required. This is a guide only and the refrigerant manufacturer should be consulted for more specific information.

| Refrigerant | Saturated Vapour Pressures (kPa) | | | | | | |
|-------------|----------------------------------|-------|-------|-------|---------------|-------|-------|
| | -40°C | -20°C | 0°C | 20°C | 40°C | 60°C | 70°C |
| R22 | 5 | 145 | 397 | 810 | 1,433 | 2,326 | 2,884 |
| R32 | 76 | 304 | 712 | 1,374 | 2,377 | 3,831 | 4,776 |
| R134a | -47 | 39 | 192 | 469 | 915 | 1,581 | 2,016 |
| R404A | 26 | 195 | 498 | 989 | 1,729 | 2,789 | |
| R407C | 19 | 179 | 467 | 936 | 1,648 | 2,668 | 3,318 |
| R410A | 76 | 303 | 704 | 1,353 | 2,336 | 3,749 | 4,631 |
| R438A | 12 | 162 | 432 | 873 | 1,539 | 2,495 | 3,104 |
| R507 | 40 | 216 | 525 | 1,024 | 1,778 | 2,859 | 3,554 |
| R744 (CO2) | 904 | 1,869 | 3,384 | 5,625 | 7,106 (@30°C) | | |



TECHNICAL SUPPORT

MM Kembla is renowned as one of the world's leading experts for technical support regarding copper tube and fittings. We invite hydraulic consultants, engineers, distributors and installation contractors to visit our website where we provide a comprehensive range of technical information.



INTERNATIONAL CERTIFICATION

MM Kembla manufacturing processes and quality systems are built upon 100 years of experience in manufacturing copper tube. An intensive ISO9001 certified quality control system is applied to all MM Kembla products. MM Kembla also has a variety of third party accreditations to Australian, New Zealand, British/ European and American standards.



MM Kembla's Australian manufacturing facilities at Port Kembla.

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