

ultraFLOW Couplings & Nipples

- Unequalled low pressure drop
- Lightweight and compact design
- Colour coding option to eliminate cross connection
- Universal connections for total flexibility

Power density is increasing rapidly, requiring an effective cooling solution to avoid overheating. Traditionally air has been the preferred solution, but with the fast-moving development, liquid cooling has been shown to be the most effective. However, many people worry about leaks being just as damaging as overheating in the event of an incident.

This is why we have developed ultraFLOW. It is a series of lightweight couplings with flat-face design to guarantee no-spill, high flow and low pressure drop for the lowest pump pressure. This will extend hardware life and keep running costs low.

The ultraFLOW series is leak tested to ensure reliable couplings for your liquid cooling solutions. They are made of hard-coated high-strength aluminium to make them lightweight and durable. This makes them ideal for connecting all types of fluid lines, whether your application involves glycol-water, dielectric fluids or mineral or synthetic heat transfer oils.



TECHNICAL DATA

| | Series 287 | Series 487 | Series 587 | Series 687 | Series 787 |
|-----------------------|---|---|---|---|---|
| Nominal flow diameter | 5 mm (1/4") | 8 mm (5/16") | 12 mm (1/2") | 15 mm (3/5") | 20 mm (4/5") |
| Max. working pressure | 10 bar (145 PSI) | 10 bar (145 PSI) | 10 bar (145 PSI) | 10 bar (145 PSI) | 10 bar (145 PSI) |
| Min. burst pressure | 40 bar (580 PSI) | 40 bar (580 PSI) | 40 bar (580 PSI) | 40 bar (580 PSI) | 40 bar (580 PSI) |
| Temperature range | -40°C – +150°C (-40°F – +302°F) | -40°C – +150°C (-40°F – +302°F) | -40°C – +150°C (-40°F – +302°F) | -40°C – +150°C (-40°F – +302°F) | -40°C – +150°C (-40°F – +302°F) |
| Material coupling | Hard anodized aluminium | Hard anodized aluminium | Hard anodized aluminium | Hard anodized aluminium | Hard anodized aluminium |
| Material nipple | Hard anodized aluminium | Hard anodized aluminium | Hard anodized aluminium | Hard anodized aluminium | Hard anodized aluminium |
| Kv (double shut-off) | 0.93 | 2.93 | 8.08 | 10.3 | 15.7 |
| Cv (double shut-off) | 1.08 | 3.39 | 9.34 | 11.9 | 18.2 |
| Comment | Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option. | Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option. | Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option. | Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option. | Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option. |
| Material seal | EPDM -30°C - +150°C; FVMQ -40°C - +150°C | EPDM -30°C - +150°C; FVMQ -40°C - +150°C | EPDM -30°C - +150°C; FVMQ -40°C - +150°C | EPDM -30°C - +150°C; FVMQ -40°C - +150°C | EPDM -30°C - +150°C; FVMQ -40°C - +150°C |

CEJN reserves the right to make changes without further notification. Check with an authorized CEJN distributor for availability and prices. All measurements are in mm. Thread connections are listed according to ISO Standards. Other connections and sealing material on request. Please visit our website, www.cejn.com, for general maintenance tips. Some part numbers may be subject to minimum order quantities.



Electronic equipment medical imaging



High power IGBT traction drives

| | Connection | Part No. | | Connection | Seal |
|------------|---------------------|-------------|----------------------------|---------------|------|
| Series 287 | Couplings (Sockets) | 10 287 1022 | Hose connection | 6.4 mm (1/4") | EPDM |
| | | 10 287 1032 | Hose connection | 6.4 mm (1/4") | FVMQ |
| | | 10 287 1222 | Female thread | G 1/4" (BSP) | EPDM |
| | | 10 287 1232 | Female thread | G 1/4" (BSP) | FVMQ |
| | | 10 287 1272 | Male thread | G 1/4" (BSP) | EPDM |
| | | 10 287 1282 | Male thread | G 1/4" (BSP) | FVMQ |
| | Nipples (Plugs) | 10 287 6022 | Hose connection | 6.4 mm (1/4") | EPDM |
| | | 10 287 6032 | Hose connection | 6.4 mm (1/4") | FVMQ |
| | | 10 287 6222 | Female thread | G 1/4" (BSP) | EPDM |
| | | 10 287 6232 | Female thread | G 1/4" (BSP) | FVMQ |
| | | 10 287 6272 | Male thread | G 1/4" (BSP) | EPDM |
| | | 10 287 6282 | Male thread | G 1/4" (BSP) | FVMQ |
| Series 487 | Accessories | 10 287 4272 | Washer/ O-ring | G 1/4" (BSP) | EPDM |
| | | 10 287 4282 | Washer/ O-ring | G 1/4" (BSP) | FVMQ |
| | Couplings (Sockets) | 10 487 1026 | Hose connection | Hose 5/8" | EPDM |
| | | 10 487 1036 | Hose connection | Hose 5/8" | FVMQ |
| | | 10 487 1224 | Female thread | G 3/8" (BSP) | EPDM |
| | | 10 487 1225 | Female thread | G 1/2" (BSP) | EPDM |
| | | 10 487 1234 | Female thread | G 3/8" (BSP) | FVMQ |
| | | 10 487 1235 | Female thread | G 1/2" (BSP) | FVMQ |
| | | 10 487 1274 | Male thread | G 3/8" (BSP) | EPDM |
| | | 10 487 1275 | Male thread | G 1/2" (BSP) | EPDM |
| | | 10 487 1284 | Male thread | G 3/8" (BSP) | FVMQ |
| | | 10 487 1285 | Male thread | G 1/2" (BSP) | FVMQ |
| | | 10 487 1926 | Hose connection- 90° angle | Hose 5/8" | EPDM |
| | | 10 487 1936 | Hose connection- 90° angle | Hose 5/8" | FVMQ |
| | Nipples (Plugs) | 10 487 1974 | Male thread- 90° angle | G 3/8" (BSP) | EPDM |
| | | 10 487 1975 | Male thread- 90° angle | G 1/2" (BSP) | EPDM |
| | | 10 487 1984 | Male thread- 90° angle | G 3/8" (BSP) | FVMQ |
| | | 10 487 1985 | Male thread- 90° angle | G 1/2" (BSP) | FVMQ |
| | | 10 487 6026 | Hose connection | Hose 5/8" | EPDM |
| | | 10 487 6036 | Hose connection | Hose 5/8" | FVMQ |
| | | 10 487 6224 | Female thread | G 3/8" (BSP) | EPDM |
| | | 10 487 6225 | Female thread | G 1/2" (BSP) | EPDM |
| | Accessories | 10 487 6234 | Female thread | G 3/8" (BSP) | FVMQ |
| | | 10 487 6235 | Female thread | G 1/2" (BSP) | FVMQ |
| | | 10 487 6275 | Male thread | G 1/2" (BSP) | EPDM |
| | | 10 487 6284 | Male thread | G 3/8" (BSP) | FVMQ |
| | | 10 487 6285 | Male thread | G 1/2" (BSP) | FVMQ |
| | | 10 487 4274 | Washer/ O-ring | G 3/8" (BSP) | EPDM |
| | | 10 487 4275 | Washer/ O-ring | G 1/2" (BSP) | EPDM |
| | | 10 487 4284 | Washer/ O-ring | G 3/8" (BSP) | FVMQ |
| | | 10 487 4285 | Washer/ O-ring | G 1/2" (BSP) | FVMQ |

| | Connection | Part No. | | Connection | Seal |
|------------|---------------------|-------------|----------------------------|----------------|------|
| Series 587 | Couplings (Sockets) | 10 587 1027 | Hose connection | 19 mm (3/4") | EPDM |
| | | 10 587 1037 | Hose connection | 19 mm (3/4") | FVMQ |
| | | 10 587 1225 | Female thread | G 1/2" (BSP) | EPDM |
| | | 10 587 1227 | Female thread | G 3/4" (BSP) | EPDM |
| | | 10 587 1235 | Female thread | G 1/2" (BSP) | FVMQ |
| | | 10 587 1237 | Female thread | G 3/4" (BSP) | FVMQ |
| | | 10 587 1275 | Male thread | G 1/2" (BSP) | EPDM |
| | | 10 587 1277 | Male thread | G 3/4" (BSP) | EPDM |
| | | 10 587 1285 | Male thread | G 1/2" (BSP) | FVMQ |
| | | 10 587 1287 | Male thread | G 3/4" (BSP) | FVMQ |
| | | 10 587 1927 | Hose connection- 90° angle | 19 mm (3/4") | EPDM |
| | | 10 587 1937 | Hose connection- 90° angle | 19 mm (3/4") | FVMQ |
| | Nipples (Plugs) | 10 587 1977 | Male thread- 90° angle | G 3/4" (BSP) | EPDM |
| | | 10 587 1987 | Male thread- 90° angle | G 3/4" (BSP) | FVMQ |
| | | 10 587 6027 | Hose connection | 19 mm (3/4") | EPDM |
| | | 10 587 6037 | Hose connection | 19 mm (3/4") | FVMQ |
| | | 10 587 6227 | Female thread | G 3/4" (BSP) | EPDM |
| | | 10 587 6237 | Female thread | G 3/4" (BSP) | FVMQ |
| | | 10 587 6275 | Male thread | G 1/2" (BSP) | EPDM |
| | | 10 587 6277 | Male thread | G 3/4" (BSP) | EPDM |
| Series 687 | Accessories | 10 587 6285 | Male thread | G 1/2" (BSP) | FVMQ |
| | | 10 587 6287 | Male thread | G 3/4" (BSP) | FVMQ |
| | | 10 587 4277 | Washer/ O-ring | G 3/4" (BSP) | EPDM |
| | | 10 587 4287 | Washer/ O-ring | G 3/4" (BSP) | FVMQ |
| | Couplings (Sockets) | 10 487 4275 | Washer/ O-ring | G 1/2" (BSP) | EPDM |
| | | 10 487 4285 | Washer/ O-ring | G 1/2" (BSP) | FVMQ |
| | | 10 687 1221 | Female thread | G 3/4" (BSP) | EPDM |
| | | 10 687 1231 | Female thread | G 3/4" (BSP) | FVMQ |
| | Nipples (Plugs) | 10 687 1271 | Male thread | G 3/4" (BSP) | EPDM |
| | | 10 687 1281 | Male thread | G 3/4" (BSP) | FVMQ |
| | | 10 687 6221 | Female thread | G 3/4" (BSP) | EPDM |
| | | 10 687 6231 | Female thread | G 3/4" (BSP) | FVMQ |
| | Accessories | 10 687 6271 | Male thread | G 3/4" (BSP) | EPDM |
| | | 10 687 6281 | Male thread | G 3/4" (BSP) | FVMQ |
| | | 10 587 4277 | Washer/ O-ring | G 3/4" (BSP) | EPDM |
| | | 10 587 4287 | Washer/ O-ring | G 3/4" (BSP) | FVMQ |
| Series 787 | Couplings (Sockets) | 10 787 1223 | Female thread | G 1" (BSP) | EPDM |
| | | 10 787 1224 | Female thread | G 1 1/4" (BSP) | EPDM |
| | | 10 787 1233 | Female thread | G 1" (BSP) | FVMQ |
| | | 10 787 1234 | Female thread | G 1 1/4" (BSP) | FVMQ |
| | | 10 787 1273 | Male thread | G 1" (BSP) | EPDM |
| | | 10 787 1274 | Male thread | G 1 1/4" (BSP) | EPDM |
| | | 10 787 1283 | Male thread | G 1" (BSP) | FVMQ |
| | | 10 787 1284 | Male thread | G 1 1/4" (BSP) | FVMQ |
| | Nipples (Plugs) | 10 787 6223 | Female thread | G 1" (BSP) | EPDM |
| | | 10 787 6224 | Female thread | G 1 1/4" (BSP) | EPDM |
| | | 10 787 6233 | Female thread | G 1" (BSP) | FVMQ |
| | | 10 787 6234 | Female thread | G 1 1/4" (BSP) | FVMQ |
| | | 10 787 6273 | Male thread | G 1" (BSP) | EPDM |
| | | 10 787 6274 | Male thread | G 1 1/4" (BSP) | EPDM |
| | | 10 787 6283 | Male thread | G 1" (BSP) | FVMQ |
| | | 10 787 6284 | Male thread | G 1 1/4" (BSP) | FVMQ |
| | Accessories | 10 787 4283 | Washer/ O-ring | G 1" (BSP) | FVMQ |
| | | 10 787 4284 | Washer/ O-ring | G 1 1/4" (BSP) | FVMQ |
| | | 10 787 4273 | Washer/ O-ring | G 1" (BSP) | EPDM |
| | | 10 787 4274 | Washer/ O-ring | G 1 1/4" (BSP) | EPDM |



EV liquid cold plate