



## COMBI QUICK TWIN

MULTY ENERGY BUFFER TANKS WITH CORRUGATED STAINLESS STEEL HEAT EXCHANGER FOR DHW PRODUCTION AND TWO ADDITIONAL EXCHANGERS

449 - 1.975 litres

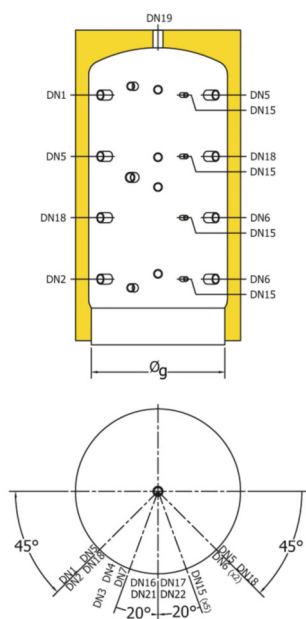
### INSTALLATIONS

· traditional boilers (wall-hung and/or floor-standing) | · condensing boilers | · solar thermal systems | · biomass generators

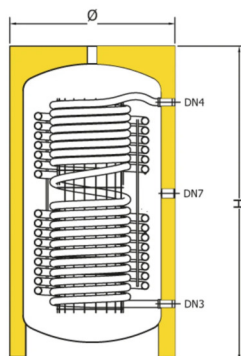
### CHARACTERISTICS

|                                      |        |                                   |        |
|--------------------------------------|--------|-----------------------------------|--------|
| MAX TEMPERATURE                      | 95 °C  | MAX PRESSURE (mod. 500 - 1000)    | 8 bar  |
| EXCHANGER MAX TEMPERATURE            | 110 °C | MAX PRESSURE (mod. 1500 - 2000)   | 3 bar  |
| INOX EXCHANGER MAX TEMPERATURE (ACS) | 95 °C  | EXCHANGER MAX PRESSURE            | 12 bar |
|                                      |        | INOX EXCHANGER MAX PRESSURE (ACS) | 6 bar  |

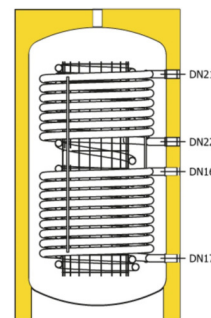
CQT 500 - 1000



CQT 500 - 1000

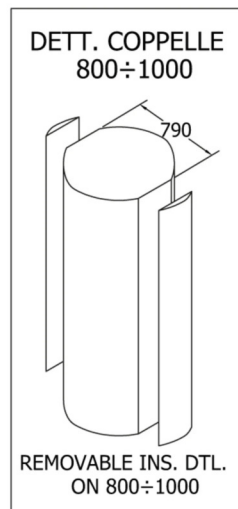
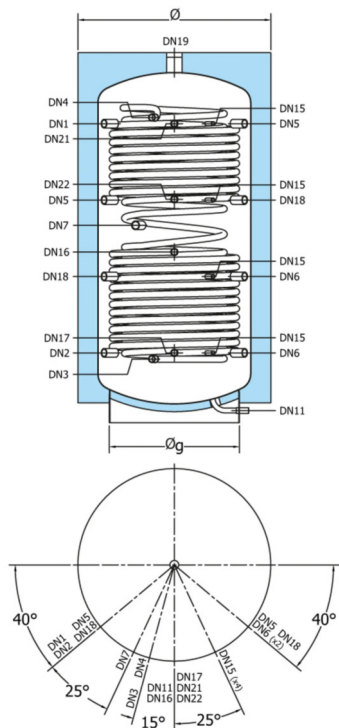


CQT 500 - 1000



CQT 1500 - 2000

MOD. 800 - 1000 CUPS



## Keyword

| DN   | Description                         |
|------|-------------------------------------|
| DN1  | Inlet from boiler                   |
| DN2  | Return to boiler                    |
| DN3  | Mains water supply                  |
| DN4  | DHW draw-off                        |
| DN5  | To heating system                   |
| DN6  | From heating system                 |
| DN7  | Predisposition for immersion heater |
| DN11 | Drain                               |
| DN15 | Probe                               |
| DN16 | Inlet from integration              |
| DN17 | Return to integration               |
| DN18 | Auxiliary connection                |
| DN19 | Auxiliary connection                |
| DN21 | Inlet from integration              |
| DN22 | Return to integration               |

| Model    | Code          | Energy label | St. loss<br>W | Capacity<br>L | EXCHANGER |    |      |    |      |    | H<br>mm | Ø skirt<br>mm | Ø<br>mm | Pm<br>mm |
|----------|---------------|--------------|---------------|---------------|-----------|----|------|----|------|----|---------|---------------|---------|----------|
|          |               |              |               |               | SAN.      |    | LOW. |    | UPP. |    |         |               |         |          |
|          |               |              |               |               | m²        | l  | m²   | l  | m²   | l  |         |               |         |          |
| CQT-500  | A3W2E55 PGP55 | C            | 87            | 431           | 4         | 20 | 2.1  | 17 | 1.3  | 10 | 1735    | 600           | 760     | 1900     |
| CQT-600  | A3W2E57 PGP55 | C            | 93            | 513           | 4         | 20 | 2.1  | 17 | 1.3  | 10 | 1930    | 600           | 760     | 2080     |
| CQT-800  | A3W2E60 PGP75 | C            | 126           | 644           | 6         | 30 | 2.4  | 25 | 1.8  | 19 | 1815    | 760           | 940     | 2050     |
| CQT-1000 | A3W2E62 PGP75 | C            | 129           | 745           | 7.5       | 38 | 3    | 32 | 2.4  | 25 | 2065    | 760           | 940     | 2270     |
| CQT-1500 | A3W2E67 GW4A5 | C            | 163           | 1450          | 10        | 50 | 4.1  | 43 | 3    | 32 | 2440    | 850           | 1270    | 2760     |
| CQT-2000 | A3W2E70 GW4A5 | C            | 174           | 1760          | 10        | 50 | 4.6  | 49 | 3.4  | 36 | 2470    | 950           | 1370    | 2830     |

Pm: pivot measurement

## Connection heights (mm)

| MODEL    | DN1  | DN2 | DN3 | DN4  | DN5  | DN5  | DN6 | DN6 | DN7  | DN11 | DN15 | DN15 | DN15 | DN15 | DN16 | DN17 | DN18 | DN18 | DN19 | DN21 | DN22 |
|----------|------|-----|-----|------|------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CQT-500  | 1400 | 270 | 270 | 1410 | 1400 | 1025 | 645 | 270 | 950  | -    | 1400 | 270  | 1025 | 645  | 875  | 290  | 1025 | 645  | -    | 1380 | 1020 |
| CQT-600  | 1650 | 270 | 270 | 1650 | 1650 | 1190 | 730 | 270 | 950  | -    | 1650 | 270  | 1190 | 730  | 875  | 290  | 1190 | 730  | -    | 1380 | 1020 |
| CQT-800  | 1425 | 375 | 325 | 1475 | 1425 | 1075 | 725 | 375 | 955  | -    | 1425 | 375  | 1075 | 725  | 870  | 375  | 1075 | 725  | -    | 1425 | 1040 |
| CQT-1000 | 1675 | 375 | 325 | 1725 | 1675 | 1245 | 705 | 375 | 1110 | -    | 1675 | 375  | 1245 | 705  | 1035 | 375  | 1245 | 705  | -    | 1675 | 1180 |
| CQT-1500 | 1955 | 455 | 415 | 1995 | 1955 | 1455 | 955 | 455 | 1290 | 80   | 1955 | 455  | 1455 | 955  | 1115 | 455  | 1455 | 955  | -    | 1955 | 1460 |
| CQT-2000 | 1975 | 475 | 435 | 2020 | 1975 | 1475 | 975 | 475 | 1310 | 80   | 1975 | 475  | 1475 | 975  | 1135 | 475  | 1475 | 975  | -    | 1965 | 1470 |

## Connection sizes

| MODEL    | DN1     | DN2     | DN3     | DN4     | DN5     | DN6     | DN7     | DN11 | DN15  | DN16    | DN17    | DN18    | DN19    | DN21    | DN22    |
|----------|---------|---------|---------|---------|---------|---------|---------|------|-------|---------|---------|---------|---------|---------|---------|
| CQT-500  | G1.1/2" | G1.1/2" | G1"     | G1"     | G1.1/2" | G1.1/2" | G1.1/2" | -    | G1/2" | G1"     | G1"     | G1.1/2" | G1.1/4" | G1"     | G1"     |
| CQT-600  | G1.1/4" | G1.1/2" | G1"     | G1"     | G1.1/2" | G1.1/2" | G1.1/2" | -    | G1/2" | G1"     | G1"     | G1.1/2" | G1.1/4" | G1"     | G1"     |
| CQT-800  | G1.1/4" | G1.1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G1.1/2" | G1.1/2" | -    | G1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G1.1/2" | G1.1/4" | G1.1/4" |
| CQT-1000 | G1.1/2" | G1.1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G1.1/2" | G1.1/2" | -    | G1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G1.1/2" | G1.1/4" | G1.1/4" |
| CQT-1500 | G1.1/2" | G1.1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G1.1/2" | G1.1/2" | G1"  | G1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G3"     | G1.1/4" | G1.1/4" |
| CQT-2000 | G1.1/2" | G1.1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G1.1/2" | G1.1/2" | G1"  | G1/2" | G1.1/4" | G1.1/4" | G1.1/2" | G3"     | G1.1/4" | G1.1/4" |

## Insulation characteristics

| Model    | Insulation type                                                                                                   | Thickness (mm) | Finish                    |
|----------|-------------------------------------------------------------------------------------------------------------------|----------------|---------------------------|
| CQT-500  | Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1 | 50             | Grey polystyrene RAL 9006 |
| CQT-600  | Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1 | 50             | Grey polystyrene RAL 9006 |
| CQT-800  | Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1 | 75             | Grey PVC RAL 9006         |
| CQT-1000 | Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1 | 75             | Grey PVC RAL 9006         |
| CQT-1500 | 100% recyclable polyester fibre                                                                                   | 130            | Grey PVC RAL 9006         |
| CQT-2000 | 100% recyclable polyester fibre                                                                                   | 130            | Grey PVC RAL 9006         |

## Reference standards

CYLINDER: | Directive 2014/68/EU – ART. 4.3, with exemption from CE marking. EN 12897:2020 standard. Designed and built in accordance with the requirements of 2009/125/EC and Regulation 814/2013 (EU). Labeling in accordance with the requirements of 2017/1369/EU and Delegated Regulation 812/2013 (EU).

Warranty: 2 years

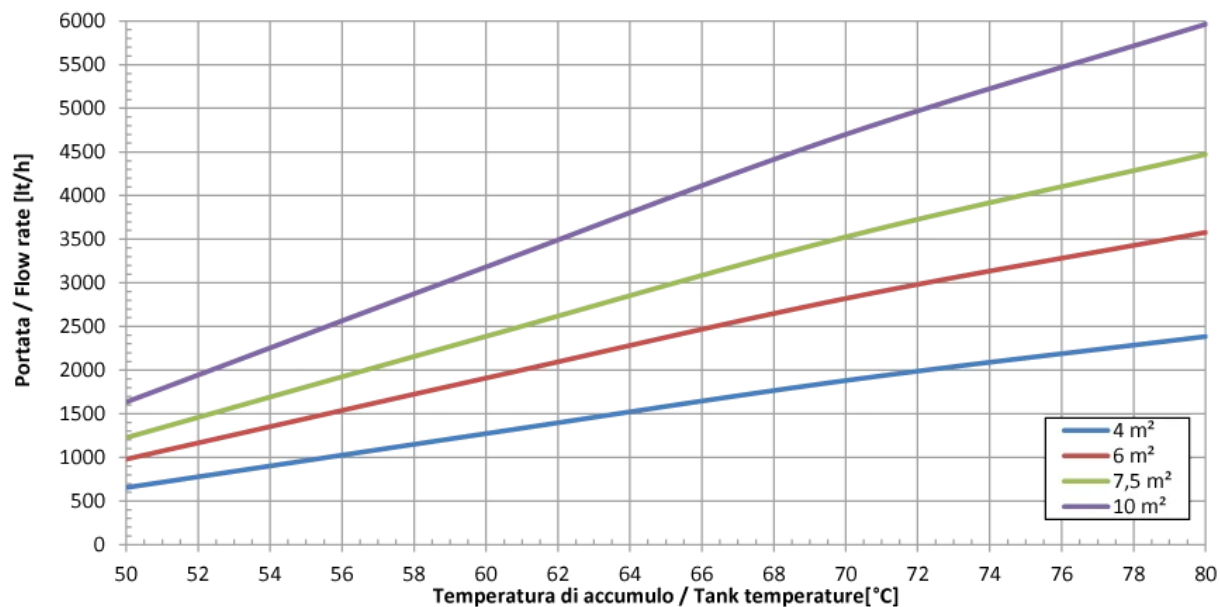
## Immersion heaters

| Code                                 | Power | Source | Connection | Length | Applicable to |     |     |      |      |      |
|--------------------------------------|-------|--------|------------|--------|---------------|-----|-----|------|------|------|
|                                      |       |        |            |        | 500           | 600 | 800 | 1000 | 1500 | 2000 |
| IMMERSION HEATERS WITHOUT THERMOSTAT |       |        |            |        |               |     |     |      |      |      |
| 8601000                              | 1     | 220    | G1.1/4"    | 295    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8601650                              | 1.65  | 220    | G1.1/4"    | 450    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8602000                              | 2     | 220    | G1.1/4"    | 515    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8602600                              | 2.6   | 220    | G1.1/4"    | 675    | ✗             | ✗   | ✓   | ✓    | ✓    | ✓    |
| 8602601                              | 2.6   | 220    | G1.1/4"    | 360    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8603300                              | 3.3   | 220    | G1.1/4"    | 825    | ✗             | ✗   | ✗   | ✗    | ✓    | ✓    |
| 8603301                              | 3.3   | 220    | G1.1/4"    | 435    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8604001                              | 4     | 220    | G1.1/4"    | 510    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8705000                              | 5     | 380    | G1.1/2"    | 445    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8706000                              | 6     | 380    | G1.1/2"    | 510    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8708000                              | 8     | 380    | G1.1/2"    | 670    | ✗             | ✗   | ✓   | ✓    | ✓    | ✓    |
| 8710000                              | 10    | 380    | G1.1/2"    | 820    | ✗             | ✗   | ✗   | ✗    | ✓    | ✓    |
| 8712000                              | 12    | 380    | G1.1/2"    | 970    | ✗             | ✗   | ✗   | ✗    | ✓    | ✓    |
| IMMERSION HEATERS WITH THERMOSTAT    |       |        |            |        |               |     |     |      |      |      |
| 8T01500                              | 1.5   | 230    | G1.1/2"    | 320    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T02000                              | 2     | 230    | G1.1/2"    | 320    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T02200                              | 2.2   | 230    | G1.1/2"    | 320    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T02500                              | 2.5   | 230    | G1.1/2"    | 320    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T03000                              | 3     | 230    | G1.1/2"    | 320    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T04000                              | 4     | 400    | G1.1/2"    | 400    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T05000                              | 5     | 400    | G1.1/2"    | 500    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T06000                              | 6     | 400    | G1.1/2"    | 600    | ✓             | ✓   | ✓   | ✓    | ✓    | ✓    |
| 8T09000                              | 9     | 400    | G1.1/2"    | 700    | ✗             | ✗   | ✓   | ✓    | ✓    | ✓    |
| 8T12000                              | 12    | 400    | G1.1/2"    | 850    | ✗             | ✗   | ✗   | ✗    | ✓    | ✓    |

## Typical performances

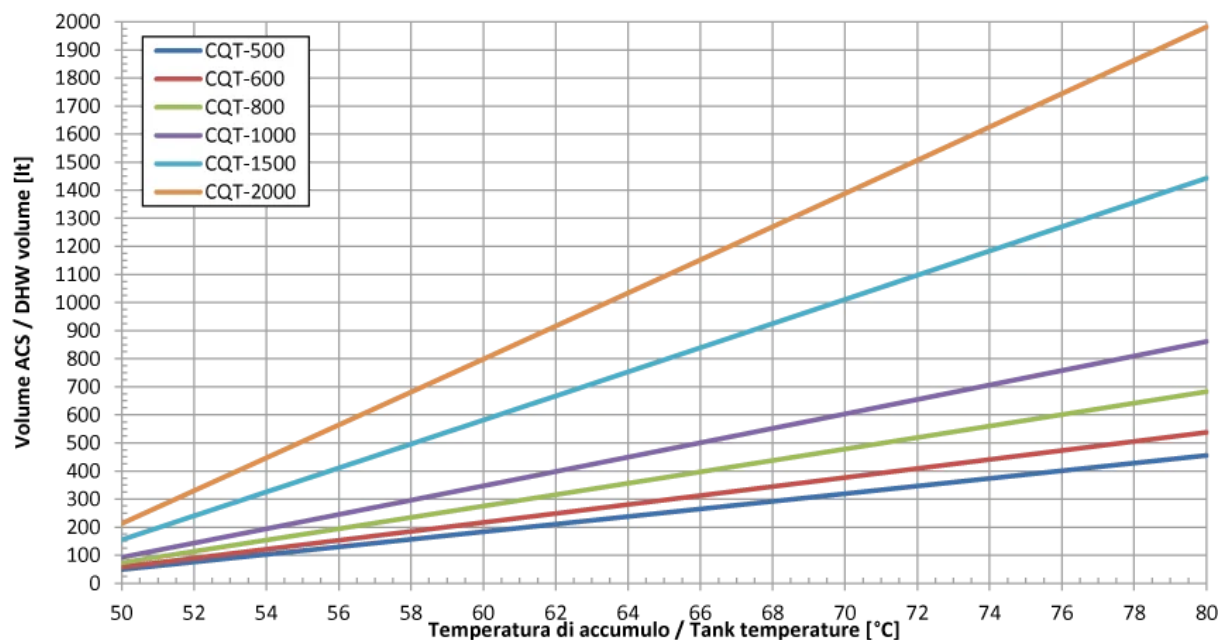
### DHW Production

$T_{in,coil} = 10\text{ }^{\circ}\text{C}$ ,  $T_{out,coil} = 45\text{ }^{\circ}\text{C}$



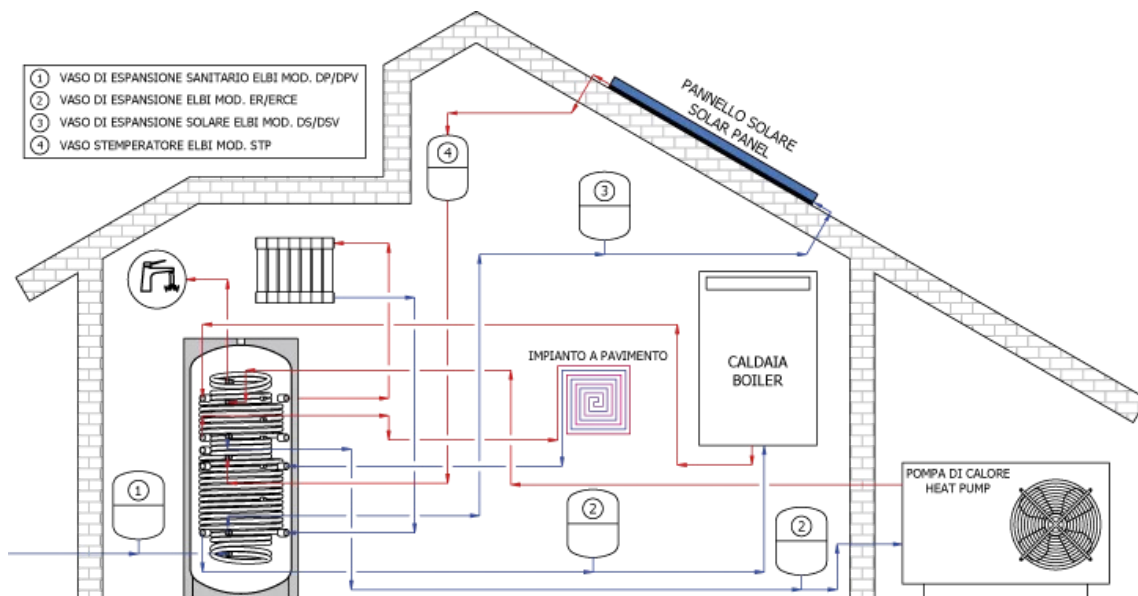
### DHW producible volume

$T_{in,coil} = 10\text{ }^{\circ}\text{C}$ ,  $T_{out,coil} = 45\text{ }^{\circ}\text{C}$



## Example of installation

CQT



Illustrative diagram; always refer to a qualified technician for the realization of the systems.

Rev. date 11/09/2023