



## COMBI QUICK PDC

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

243 - 533 litres

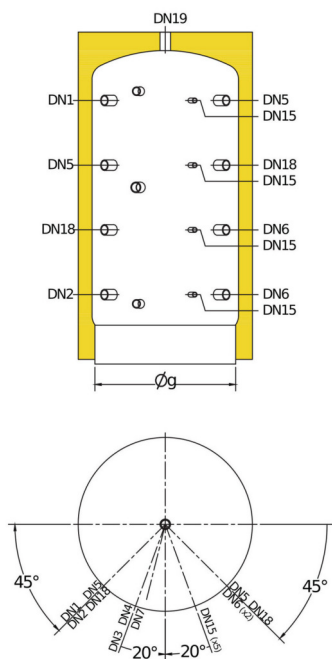
### Installations

Traditional boilers (wall-hung and/or floor-standing).  
Condensing boilers.  
Solar thermal systems.  
Biomass generators.  
Heat pumps.

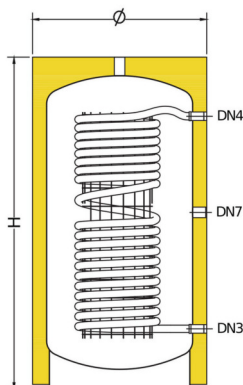
### CHARACTERISTICS

|                                      |        |                                   |        |
|--------------------------------------|--------|-----------------------------------|--------|
| MAX TEMPERATURE                      | 95 °C  | MAX PRESSURE (mod. 300 - 1000)    | 8 bar  |
| EXCHANGER MAX TEMPERATURE            | 110 °C | EXCHANGER MAX PRESSURE            | 12 bar |
| INOX EXCHANGER MAX TEMPERATURE (DHW) | 95 °C  | INOX EXCHANGER MAX PRESSURE (DHW) | 6 bar  |

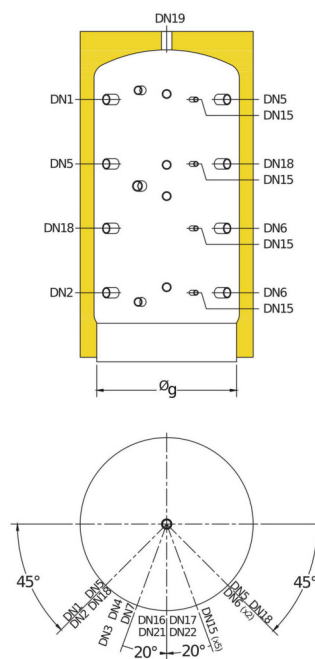
CQS 300 - 600



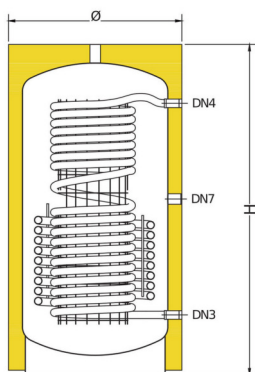
CQS 300 - 600



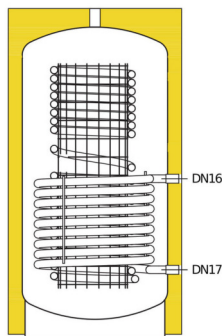
CQP 300 - 600



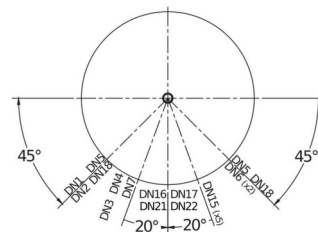
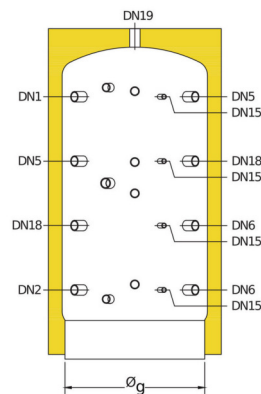
CQP 300 - 600



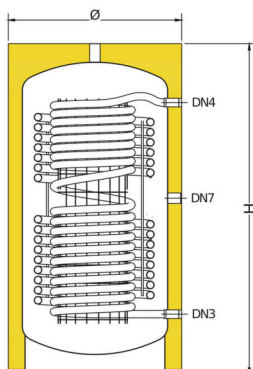
CQP 300 - 600



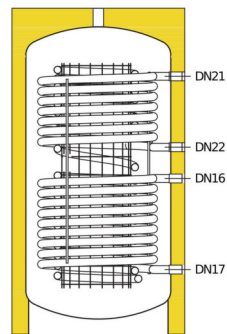
CQT 300 - 600



CQT 300 - 600



CQT 300 - 600



## 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               |



# TECHNICAL SHEET

AZIENDA CON  
SISTEMA DI GESTIONE QUALITA'  
CERTIFICATO DA DNV  
ISO 9001

| 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  |         |               |         |          |
| CQS-300 | A3S0L51 PGP75 | B            | 67            | 260           | 4.5       | 23 | /    | /  | /    | /  | 1670    | 460           | 650     | 1800     |
| CQS-500 | A3S0E55 PGP55 | C            | 89            | 451           | 5.3       | 27 | /    | /  | /    | /  | 1735    | 600           | 760     | 1900     |
| CQS-600 | A3S0E57 PGP55 | C            | 94            | 533           | 5.3       | 27 | /    | /  | /    | /  | 1930    | 600           | 760     | 2080     |
| CQP-300 | A3S1L51 PGP75 | B            | 66            | 249           | 4.5       | 23 | 1.5  | 11 | /    | /  | 1670    | 460           | 650     | 1800     |
| CQP-500 | A3S1E55 PGP55 | C            | 88            | 434           | 5.3       | 27 | 1.3  | 17 | /    | /  | 1735    | 600           | 760     | 1900     |
| CQP-600 | A3S1E57 PGP55 | C            | 94            | 516           | 5.3       | 27 | 1.3  | 17 | /    | /  | 1930    | 600           | 760     | 2080     |
| CQT-300 | A3S2L51 PGP75 | B            | 66            | 243           | 4.5       | 23 | 1.5  | 11 | 0.8  | 6  | 1670    | 460           | 650     | 1800     |
| CQT-500 | A3S2E55 PGP55 | C            | 87            | 424           | 5.3       | 27 | 2.1  | 17 | 1.3  | 10 | 1735    | 600           | 760     | 1900     |
| CQT-600 | A3S2E57 PGP55 | C            | 93            | 506           | 5.3       | 27 | 2.1  | 17 | 1.3  | 10 | 1930    | 600           | 760     | 2080     |

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 |
|---------|------|-----|-----|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| CQS-300 | 1335 | 285 | 245 | 1385 | 1335 | 985  | 635 | 285 | 950 | -    | 1335 | 285  | 985  | 635  | -    | -    | 985  | 635  | -    | -    | -    |
| CQS-500 | 1400 | 270 | 270 | 1410 | 1400 | 1025 | 645 | 270 | 950 | -    | 1400 | 270  | 1025 | 645  | -    | -    | 1025 | 645  | -    | -    | -    |
| CQS-600 | 1650 | 270 | 270 | 1650 | 1650 | 1190 | 730 | 270 | 950 | -    | 1650 | 270  | 1190 | 730  | -    | -    | 1190 | 730  | -    | -    | -    |
| CQP-300 | 1335 | 285 | 245 | 1385 | 1335 | 985  | 635 | 285 | 950 | -    | 1335 | 285  | 985  | 635  | 895  | 265  | 985  | 635  | -    | -    | -    |
| CQP-500 | 1400 | 270 | 270 | 1410 | 1400 | 1025 | 645 | 270 | 950 | -    | 1400 | 270  | 1025 | 645  | 875  | 290  | 1025 | 645  | -    | -    | -    |
| CQP-600 | 1650 | 270 | 270 | 1650 | 1650 | 1190 | 730 | 270 | 950 | -    | 1650 | 270  | 1190 | 730  | 875  | 290  | 1190 | 730  | -    | -    | -    |
| CQT-300 | 1335 | 285 | 245 | 1385 | 1335 | 985  | 635 | 285 | 950 | -    | 1335 | 285  | 985  | 635  | 895  | 265  | 985  | 635  | -    | 1355 | 995  |
| 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 |

## Connection sizes

| MODEL   | DN1     | DN2     | DN3 | DN4 | DN5     | DN6     | DN7     | DN11 | DN15  | DN16 | DN17 | DN18    | DN19    | DN21 | DN22 |
|---------|---------|---------|-----|-----|---------|---------|---------|------|-------|------|------|---------|---------|------|------|
| CQS-300 | G1.1/2" | G1.1/2" | G1" | G1" | G1.1/2" | G1.1/2" | G1.1/2" | -    | G1/2" | -    | -    | G1.1/2" | G1.1/4" | -    | -    |
| CQS-500 | G1.1/2" | G1.1/2" | G1" | G1" | G1.1/2" | G1.1/2" | G1.1/2" | -    | G1/2" | -    | -    | G1.1/2" | G1.1/4" | -    | -    |
| CQS-600 | G1.1/4" | G1.1/2" | G1" | G1" | G1.1/2" | G1.1/2" | G1.1/2" | -    | G1/2" | -    | -    | G1.1/2" | G1.1/4" | -    | -    |
| CQP-300 | 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" | -    | -    |
| CQP-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" | -    | -    |
| CQP-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" | -    | -    |
| CQT-300 | 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-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"  |

## Insulation characteristics

| Model   | Insulation type                                                                                                   | Thickness (mm) | Finish                    |
|---------|-------------------------------------------------------------------------------------------------------------------|----------------|---------------------------|
| CQS-300 | 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 |
| CQS-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 |
| CQS-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 |
| CQP-300 | 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 |
| CQP-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 |
| CQP-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-300 | 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-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 |

## Reference standards

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 |     |     |
|------------------------------------------------|-------|--------|------------|--------|---------------|-----|-----|
|                                                |       |        |            |        | 300           | 500 | 600 |
| CQS PDC - IMMERSION HEATERS WITHOUT THERMOSTAT |       |        |            |        |               |     |     |
| 8601000                                        | 1     | 230    | G1.1/4"    | 295    | ✓             | ✓   | ✓   |
| 8601650                                        | 1.65  | 230    | G1.1/4"    | 450    | 330           | ✓   | ✓   |
| 8602000                                        | 2     | 230    | G1.1/4"    | 515    | ✗             | ✓   | ✓   |
| 8602600                                        | 2.6   | 230    | G1.1/4"    | 675    | ✗             | ✗   | ✗   |
| 8602601                                        | 2.6   | 230    | G1.1/4"    | 360    | 210           | ✓   | ✓   |
| 8603300                                        | 3.3   | 230    | G1.1/4"    | 825    | ✗             | ✗   | ✗   |
| 8603301                                        | 3.3   | 230    | G1.1/4"    | 435    | 165           | 287 | 339 |
| 8604001                                        | 4     | 230    | G1.1/4"    | 510    | ✗             | 236 | 279 |
| 8705000                                        | 5     | 400    | G1.1/2"    | 445    | 109           | 189 | 224 |
| 8706000                                        | 6     | 400    | G1.1/2"    | 510    | ✗             | 158 | 186 |
| 8708000                                        | 8     | 400    | G1.1/2"    | 670    | ✗             | ✗   | ✗   |
| 8710000                                        | 10    | 400    | G1.1/2"    | 820    | ✗             | ✗   | ✗   |
| 8712000                                        | 12    | 400    | G1.1/2"    | 970    | ✗             | ✗   | ✗   |
| CQP PDC - IMMERSION HEATERS WITH THERMOSTAT    |       |        |            |        |               |     |     |
| 8T01500                                        | 1.5   | 230    | G1.1/2"    | 320    | ✓             | ✓   | ✓   |
| 8T02000                                        | 2     | 230    | G1.1/2"    | 320    | 273           | ✓   | ✓   |
| 8T02200                                        | 2.2   | 230    | G1.1/2"    | 320    | 248           | ✓   | ✓   |
| 8T02500                                        | 2.5   | 230    | G1.1/2"    | 320    | 218           | ✓   | ✓   |
| 8T03000                                        | 3     | 230    | G1.1/2"    | 320    | 182           | 315 | ✓   |
| 8T04000                                        | 4     | 400    | G1.1/2"    | 400    | 136           | 236 | 279 |
| 8T05000                                        | 5     | 400    | G1.1/2"    | 500    | ✗             | 189 | 224 |
| 8T06000                                        | 6     | 400    | G1.1/2"    | 600    | ✗             | 158 | 186 |
| 8T09000                                        | 9     | 400    | G1.1/2"    | 700    | ✗             | ✗   | ✗   |
| 8T12000                                        | 12    | 400    | G1.1/2"    | 850    | ✗             | ✗   | ✗   |

## CQP PDC - IMMERSION HEATERS WITHOUT THERMOSTAT

|         |      |     |         |     |     |     |     |
|---------|------|-----|---------|-----|-----|-----|-----|
| 8601000 | 1    | 230 | G1.1/4" | 295 | ✓   | ✓   | ✓   |
| 8601650 | 1.65 | 230 | G1.1/4" | 450 | 316 | ✓   | ✓   |
| 8602000 | 2    | 230 | G1.1/4" | 515 | ✗   | ✓   | ✓   |
| 8602600 | 2.6  | 230 | G1.1/4" | 675 | ✗   | ✗   | ✗   |
| 8602601 | 2.6  | 230 | G1.1/4" | 360 | 210 | 350 | ✓   |
| 8603300 | 3.3  | 230 | G1.1/4" | 825 | ✗   | ✗   | ✗   |
| 8603301 | 3.3  | 230 | G1.1/4" | 435 | 158 | 276 | 328 |
| 8604001 | 4    | 230 | G1.1/4" | 510 | ✗   | 227 | 270 |
| 8705000 | 5    | 400 | G1.1/2" | 445 | 104 | 182 | 216 |
| 8706000 | 6    | 400 | G1.1/2" | 510 | ✗   | 152 | 180 |
| 8708000 | 8    | 400 | G1.1/2" | 670 | ✗   | ✗   | ✗   |
| 8710000 | 10   | 400 | G1.1/2" | 820 | ✗   | ✗   | ✗   |
| 8712000 | 12   | 400 | G1.1/2" | 970 | ✗   | ✗   | ✗   |

## CQP PDC - IMMERSION HEATERS WITH THERMOSTAT

|         |     |     |         |     |     |     |     |
|---------|-----|-----|---------|-----|-----|-----|-----|
| 8T01500 | 1.5 | 230 | G1.1/2" | 320 | 348 | ✓   | ✓   |
| 8T02000 | 2   | 230 | G1.1/2" | 320 | 261 | ✓   | ✓   |
| 8T02200 | 2.2 | 230 | G1.1/2" | 320 | 237 | ✓   | ✓   |
| 8T02500 | 2.5 | 230 | G1.1/2" | 320 | 209 | ✓   | ✓   |
| 8T03000 | 3   | 230 | G1.1/2" | 320 | 174 | 303 | ✓   |
| 8T04000 | 4   | 400 | G1.1/2" | 400 | 131 | 227 | 270 |
| 8T05000 | 5   | 400 | G1.1/2" | 500 | ✗   | 182 | 216 |
| 8T06000 | 6   | 400 | G1.1/2" | 600 | ✗   | 152 | 180 |
| 8T09000 | 9   | 400 | G1.1/2" | 700 | ✗   | ✗   | ✗   |
| 8T12000 | 12  | 400 | G1.1/2" | 850 | ✗   | ✗   | ✗   |

## CQT PDC - IMMERSION HEATERS WITHOUT THERMOSTAT

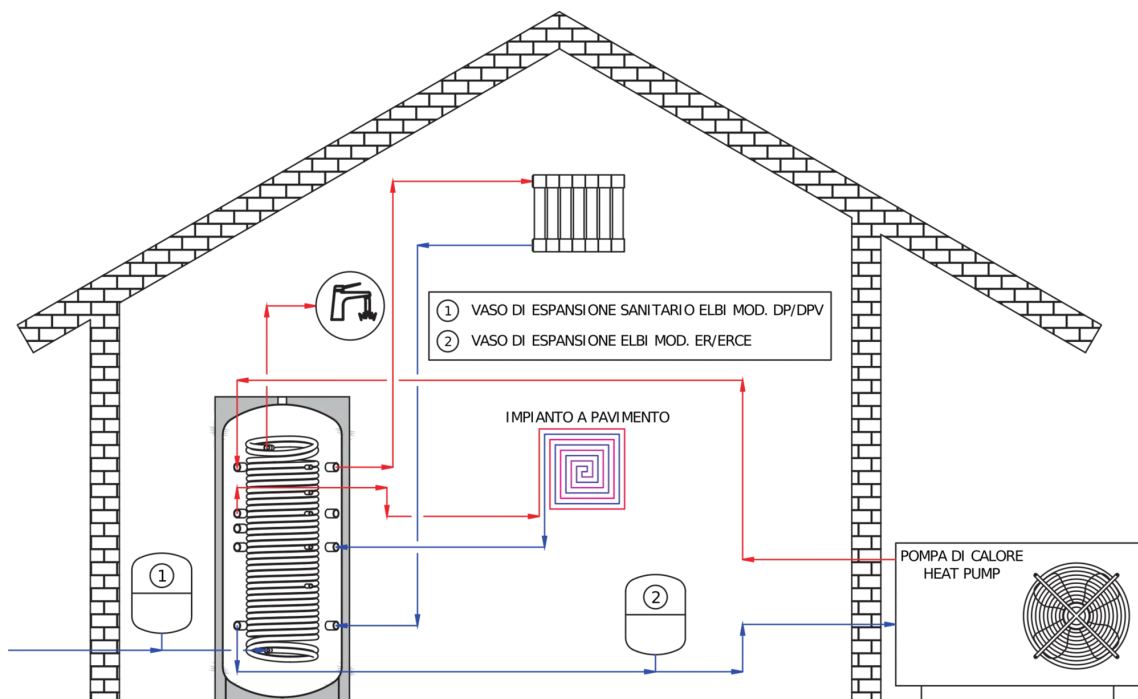
|         |      |     |         |     |     |     |     |
|---------|------|-----|---------|-----|-----|-----|-----|
| 8601000 | 1    | 230 | G1.1/4" | 295 | ✓   | ✓   | ✓   |
| 8601650 | 1.65 | 230 | G1.1/4" | 450 | 309 | ✓   | ✓   |
| 8602000 | 2    | 230 | G1.1/4" | 515 | ✗   | ✓   | ✓   |
| 8602600 | 2.6  | 230 | G1.1/4" | 675 | ✗   | ✗   | ✗   |
| 8602601 | 2.6  | 230 | G1.1/4" | 360 | 196 | 342 | ✓   |
| 8603300 | 3.3  | 230 | G1.1/4" | 825 | ✗   | ✗   | ✗   |
| 8603301 | 3.3  | 230 | G1.1/4" | 435 | 154 | 269 | 322 |
| 8604001 | 4    | 230 | G1.1/4" | 510 | ✗   | 222 | 265 |
| 8705000 | 5    | 400 | G1.1/2" | 445 | 102 | 178 | 212 |
| 8706000 | 6    | 400 | G1.1/2" | 510 | ✗   | 148 | 177 |
| 8708000 | 8    | 400 | G1.1/2" | 670 | ✗   | ✗   | ✗   |
| 8710000 | 10   | 400 | G1.1/2" | 820 | ✗   | ✗   | ✗   |
| 8712000 | 12   | 400 | G1.1/2" | 970 | ✗   | ✗   | ✗   |

## CQT PDC - IMMERSION HEATERS WITH THERMOSTAT

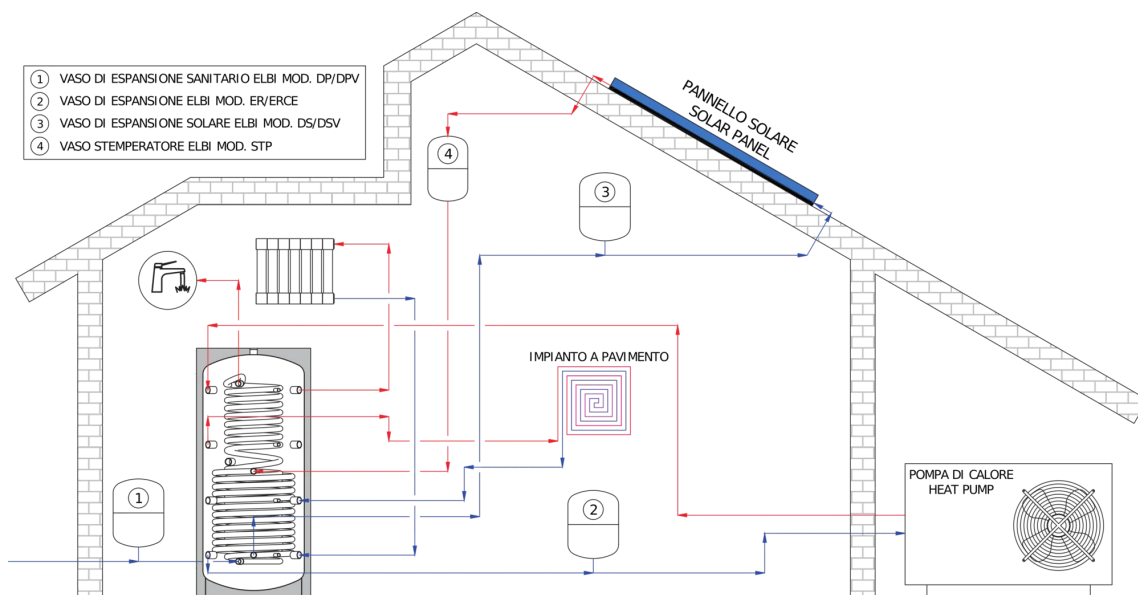
|         |     |     |         |     |     |     |     |
|---------|-----|-----|---------|-----|-----|-----|-----|
| 8T01500 | 1.5 | 230 | G1.1/2" | 320 | 340 | ✓   | ✓   |
| 8T02000 | 2   | 230 | G1.1/2" | 320 | 255 | ✓   | ✓   |
| 8T02200 | 2.2 | 230 | G1.1/2" | 320 | 232 | ✓   | ✓   |
| 8T02500 | 2.5 | 230 | G1.1/2" | 320 | 204 | 356 | ✓   |
| 8T03000 | 3   | 230 | G1.1/2" | 320 | 170 | 296 | 354 |
| 8T04000 | 4   | 400 | G1.1/2" | 400 | 127 | 222 | 265 |
| 8T05000 | 5   | 400 | G1.1/2" | 500 | ✗   | 178 | 212 |
| 8T06000 | 6   | 400 | G1.1/2" | 600 | ✗   | 148 | 177 |
| 8T09000 | 9   | 400 | G1.1/2" | 700 | ✗   | ✗   | ✗   |
| 8T12000 | 12  | 400 | G1.1/2" | 850 | ✗   | ✗   | ✗   |

## Example of installation

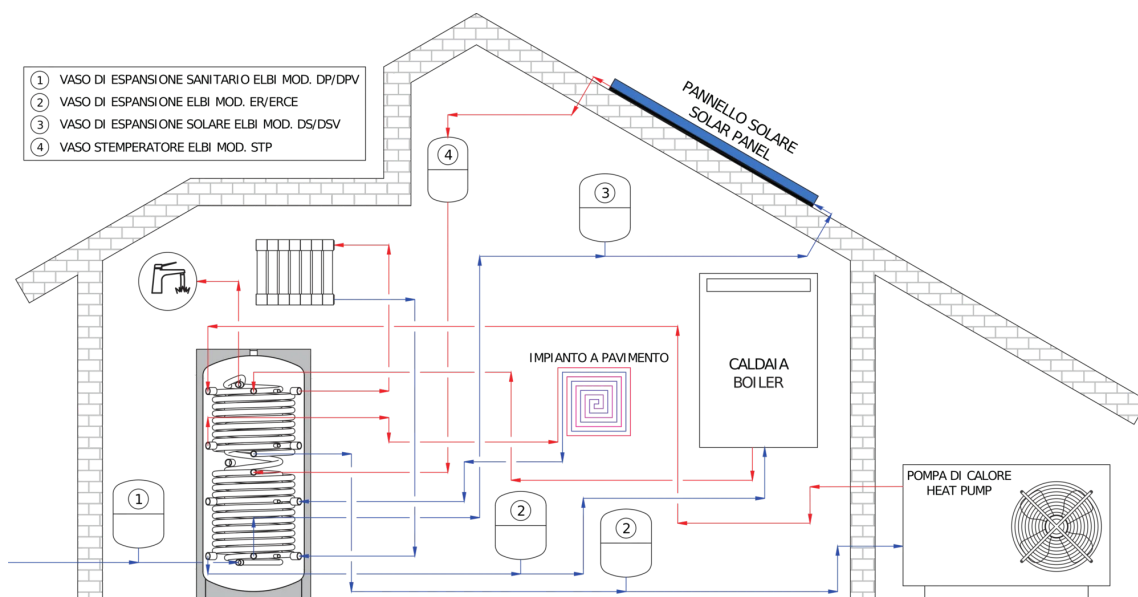
### CQS PDC



### CQP PDC



## CQT PDC



Rev. date 30/04/2024