

BOLLY® PRIMO

POLYWARM® COATED CALORIFIER FOR D.H.W. PRODUCTION

WITH 1 FIXED HEAT EXCHANGER FOR WALL OR FLOOR STANDING INSTALLATION



APPLICATION

Production and storage of domestic hot water (DHW).

MATERIAL

Mild steel Polywarm® coated (Attestation ACS - SSICA - EN 16421 - WRAS)

HEAT EXCHANGER

Mild steel Polywarm® coated heat exchanger.

INSULATION

High thermal insulation with ecological polyurethane hard foam.

Grey PVC external lining.

CATHODE PROTECTION

Magnesium anode.

DRAIN

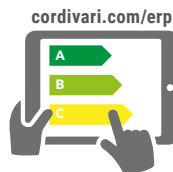
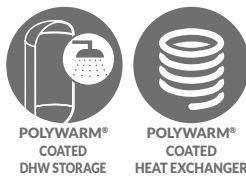
External confluence through drain connection (versione verticale).

WARRANTY

2 years (See general sales conditions and warranty)

ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



On line ErP label tool

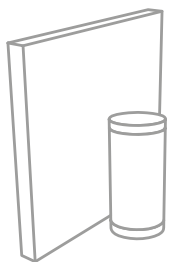


BOLLY® PRIMO WB

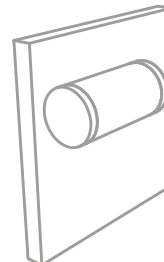
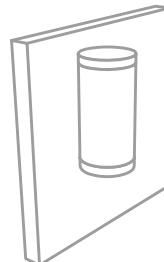
HEAT EXCHANGER SURFACE ENERGY EFFICIENCY CLASS

HARD FOAM INSULATION

| Model | Pallet Art. Nr. | PIECES per pallet | [m ²] | ErP |
|------------|-----------------|-------------------|-------------------|----------|
| 100 | 310416090005606 | 6 | 0,44 | C |
| 150 | 310416090005706 | 6 | 0,63 | C |
| 200 | 310416090005804 | 4 | 0,84 | C |
| 300 | 310416090005904 | 4 | 1,22 | C |



Standard installation floor standing



With the wall mounting kit (optional) it is possible to install the tank vertically or horizontally

ACCESSORIES

Electric immersion heater with thermostat

| Art. Nr. | Output | Connection |
|---------------|--------|------------|
| 5240000000051 | 1,5 kW | 1"1/2 |
| 5240000000052 | 2 kW | 1"1/2 |
| 5240000000053 | 3 kW | 1"1/2 |

Magnesium anode

| ART. NR. | Model |
|---------------|---------|
| 5200000041015 | 100=150 |
| 5200000041010 | 200=300 |
| 2 units box | |

Thermometer

| Art. Nr. |
|---------------|
| 5032240000107 |
| 5 units box |

Wall fixing kit

| Art. Nr. | For model |
|---------------------------------------|-----------|
| 5221000000069 | 100 |
| 5221000000070 | 150 |
| 5221000000071 | 200 |
| 5221000000072 | 300 |
| Galvanized brackets +PVC bottom cover | |

HEAT MANAGER kit + electric resistance with probe and 3m cable

| Art. Nr. | ELECTRICAL RESISTANCE |
|---------------|-----------------------|
| 5240000000074 | 1,5 kW |
| 5240000000075 | 2 kW |
| 5240000000076 | 3 kW |

See Accessories section



BOLLY® PRIMO

POLYWARM® COATED CALORIFIER FOR D.H.W. PRODUCTION

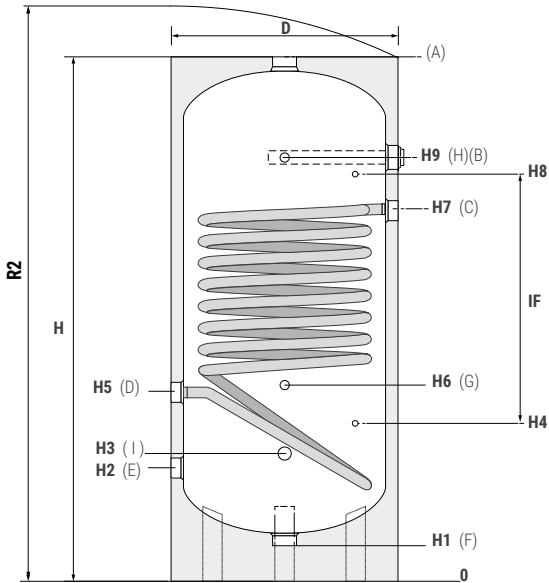
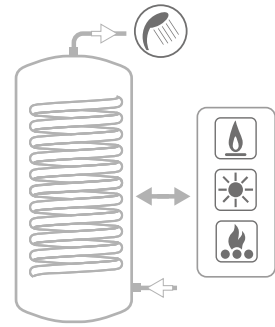
WITH 1 FIXED HEAT EXCHANGER FOR WALL OR FLOOR STANDING INSTALLATION

| STORAGE | | HEAT EXCHANGER | |
|---------|-------|----------------|--------|
| Pmax | Tmax | Pmax | Tmax |
| 10 bar | 90 °C | 12 bar | 110 °C |

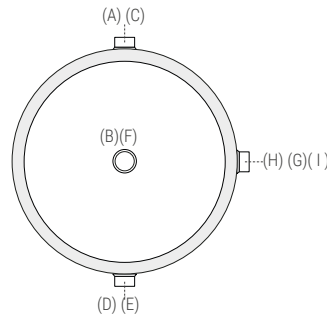
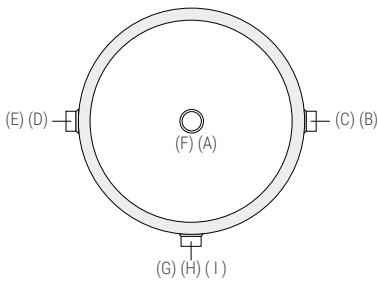
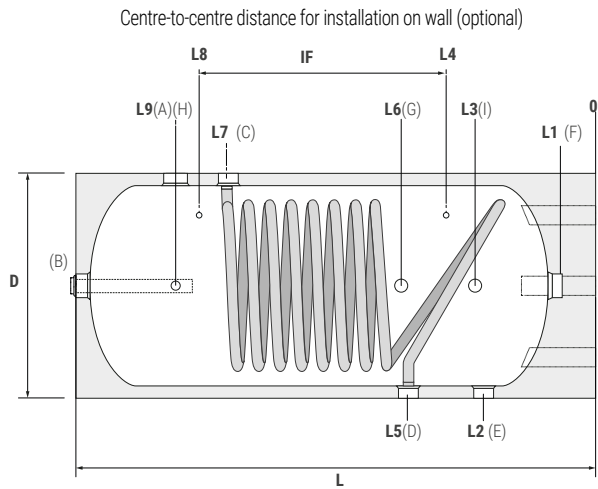


CORDIVARI® Lab

TÜV Rheinland Energie und Umwelt GmbH states that test procedures and Cordivari LAB are certified conforming to European standard EN 15332, as indicated by Ecodesign ErP Directive.



Centre-to-centre distance for installation on wall (optional)



- A** Domestic hot water outlet 1"1/4 G F
- B** Magnesium anode 1"1/4 G F
- C** Primary circuit inlet 1" G F
- D** Primary circuit outlet 1" G F
- E** Domestic cold water circuit inlet 1"1/4 G F
- F** Connection 1"1/4 G F
- G** Instrumentation 1/2" G F
- H** Instrumentation 1/2" G F
- I** Connection for for electric immersion heater 1"1/2 F

| Model | Volume [lt] | Weight [kg] | DE | R1 | H/L | H1/L1 | H2/L2 | H3/L3 | H4/L4 | H5/L5 | H6/L6 | H7/L7 | H8/L8 | H9/L9 | IF |
|------------|----------------|----------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | | [mm] | | | | | | | | | | | | |
| 100 | 103 | 29 | 456 | 1130 | 1025 | 72 | 276 | 286 | 294 | 371 | 411 | 726 | 804 | 821 | 510 |
| 150 | 149 | 40 | 456 | 1410 | 1330 | 72 | 276 | 286 | 401 | 371 | 411 | 1101 | 1071 | 1196 | 570 |
| 200 | 191 | 47 | 510 | 1450 | 1350 | 69 | 283 | 293 | 386 | 378 | 418 | 1108 | 1101 | 1203 | 730 |
| 300 | 293 | 62 | 610 | 1535 | 1400 | 70 | 310 | 320 | 413 | 405 | 445 | 1135 | 1128 | 1230 | 730 |

BOLLY® MURALE - PRIMO

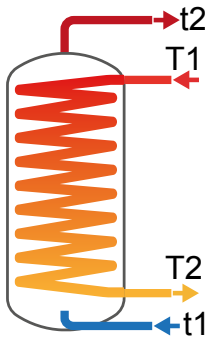
HEAT EXCHANGER TECHNICAL DATA



Data have been calculated on following basis:

- 1) Primary circuit at T1 and proper energy source;
- 2) Production of DHW in continuous from 10 °C to t2;
- 3) DHW that can be taken in the first 10' and in the first hour from storage at 60°C, input 10°C and output 45°C;
- 4) Sanitary water according to UNI CTI 8065.

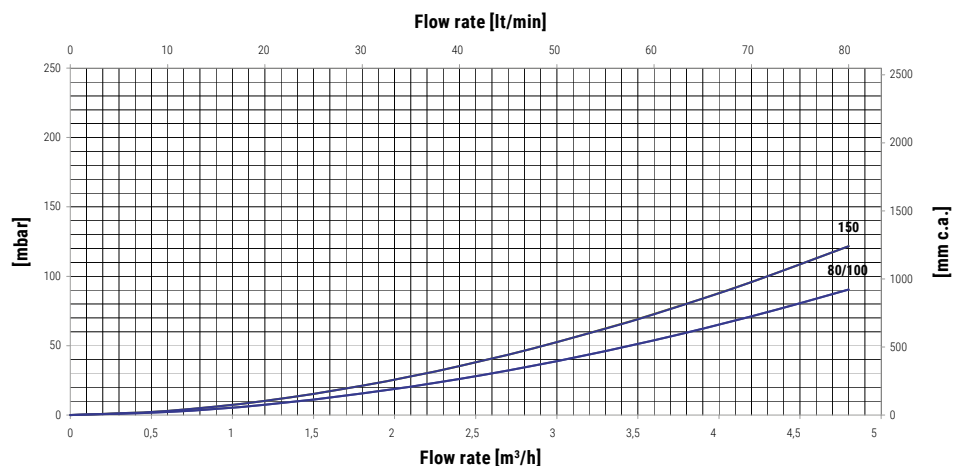
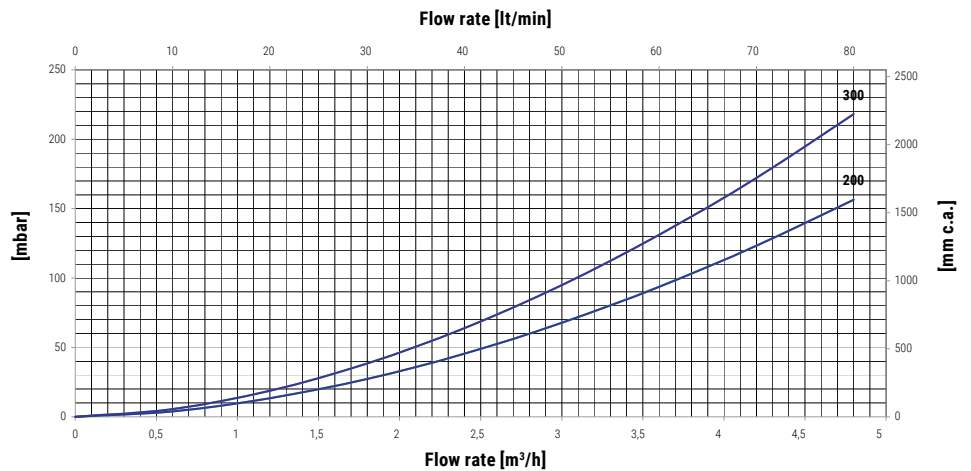
| Model | Primary Flow rate [m³/h] | Ignition time (minutes) from 10 °C to t2 and primary at T1 | | | | Maximum power exchange (kW) with primary at T1, secondary within 10-45 °C and constant use of DHW production | | | | DHW continuous production lt/h within 10-45 °C and primary at T1 | | | |
|-------|-----------------------------|--|-------|-------|-------|--|------|------|------|--|-----|-----|-----|
| | | T1/t2 | | | | T1 | | | | T1 | | | |
| | | 55/50 | 65/60 | 70/60 | 80/60 | 55 | 65 | 70 | 80 | 55 | 65 | 70 | 80 |
| 80 | 2 | 80 | 85 | 55 | 35 | 4,9 | 7,3 | 8,6 | 11,2 | 114 | 175 | 207 | 270 |
| | 1 | 90 | 96 | 61 | 39 | 4,5 | 6,7 | 7,9 | 10,2 | 105 | 160 | 188 | 245 |
| 100 | 2 | 99 | 105 | 68 | 43 | 4,9 | 7,3 | 8,6 | 11,2 | 114 | 175 | 207 | 270 |
| | 1 | 111 | 119 | 76 | 48 | 4,5 | 6,7 | 7,9 | 10,2 | 105 | 160 | 188 | 245 |
| 150 | 2 | 105 | 111 | 74 | 47 | 6,5 | 9,7 | 11,3 | 14,7 | 154 | 234 | 275 | 358 |
| | 1 | 119 | 126 | 84 | 54 | 6 | 8,8 | 10,3 | 13,2 | 141 | 218 | 248 | 322 |
| 200 | 2,5 | 91 | 95 | 65 | 42 | 9,2 | 13,8 | 16,2 | 21 | 223 | 337 | 395 | 513 |
| | 1,25 | 102 | 108 | 73 | 48 | 8,6 | 12,7 | 14,7 | 19 | 206 | 308 | 359 | 464 |
| 300 | 3 | 98 | 102 | 70 | 46 | 13,1 | 19,6 | 22,9 | 29,6 | 318 | 479 | 561 | 727 |
| | 1,5 | 110 | 115 | 80 | 52 | 12,2 | 17,9 | 20,8 | 26,7 | 296 | 438 | 510 | 656 |



| Model | Primary Flow rate [m³/h] | DHW produced in the first 10 minutes in lt/10' input 10 °C output 45 °C, storage at t2 and primary at T1 | | | | DHW produced in the first hour in lt/60' input 10 °C output 45 °C, storage at t2 and primary at T1 | | | | Heat exchanger pressure drop | |
|-------|-----------------------------|--|-------|-------|-------|--|-------|-------|-------|------------------------------|--------|
| | | T1/t2 | | | | T1/t2 | | | | [mm.c.a.] | [mbar] |
| | | 55/50 | 65/60 | 70/60 | 80/60 | 55/50 | 65/60 | 70/60 | 80/60 | | |
| 80 | 2 | 110 | 143 | 149 | 159 | 183 | 254 | 280 | 330 | 175 | 17 |
| | 1 | 109 | 141 | 146 | 155 | 175 | 242 | 265 | 310 | 51 | 5 |
| 100 | 2 | 133 | 172 | 177 | 188 | 205 | 283 | 308 | 359 | 175 | 17 |
| | 1 | 132 | 170 | 174 | 184 | 198 | 271 | 293 | 339 | 51 | 5 |
| 150 | 2 | 191 | 246 | 253 | 267 | 289 | 394 | 427 | 494 | 229 | 22 |
| | 1 | 189 | 243 | 248 | 261 | 279 | 382 | 406 | 465 | 67 | 7 |
| 200 | 2,5 | 249 | 320 | 330 | 350 | 390 | 534 | 580 | 675 | 472 | 46 |
| | 1,25 | 246 | 316 | 324 | 342 | 376 | 511 | 551 | 635 | 139 | 14 |
| 300 | 3 | 379 | 487 | 501 | 528 | 580 | 790 | 856 | 989 | 908 | 89 |
| | 1,5 | 375 | 480 | 492 | 516 | 563 | 758 | 815 | 932 | 268 | 26 |

HEAT EXCHANGER PRESSURE DROP

| Heat exchangers surface [m²] | |
|------------------------------|------|
| 80 | 0,44 |
| 100 | 0,44 |
| 150 | 0,63 |
| 200 | 0,84 |
| 300 | 1,22 |

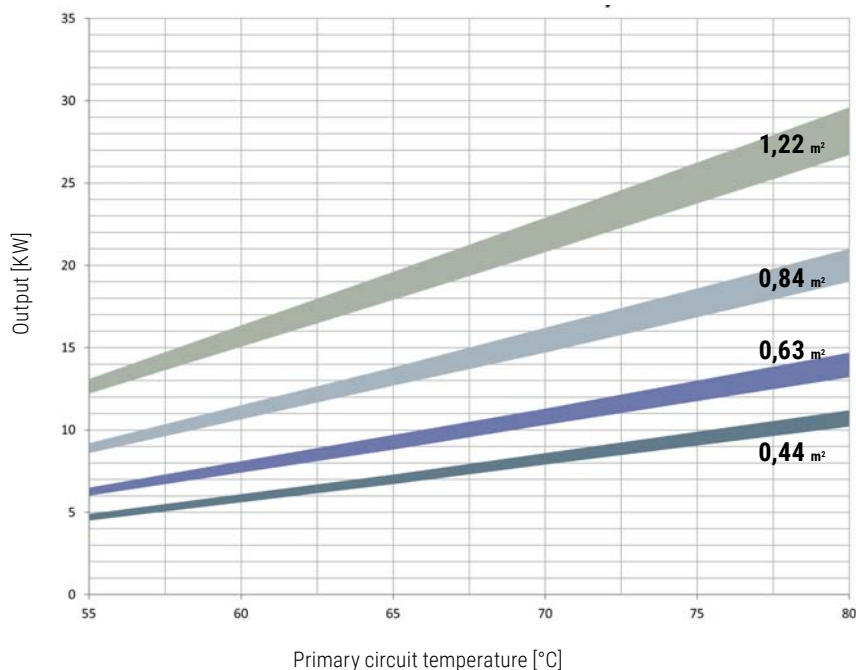


BOLLY® MURALE - PRIMO

HEAT EXCHANGER TECHNICAL DATA

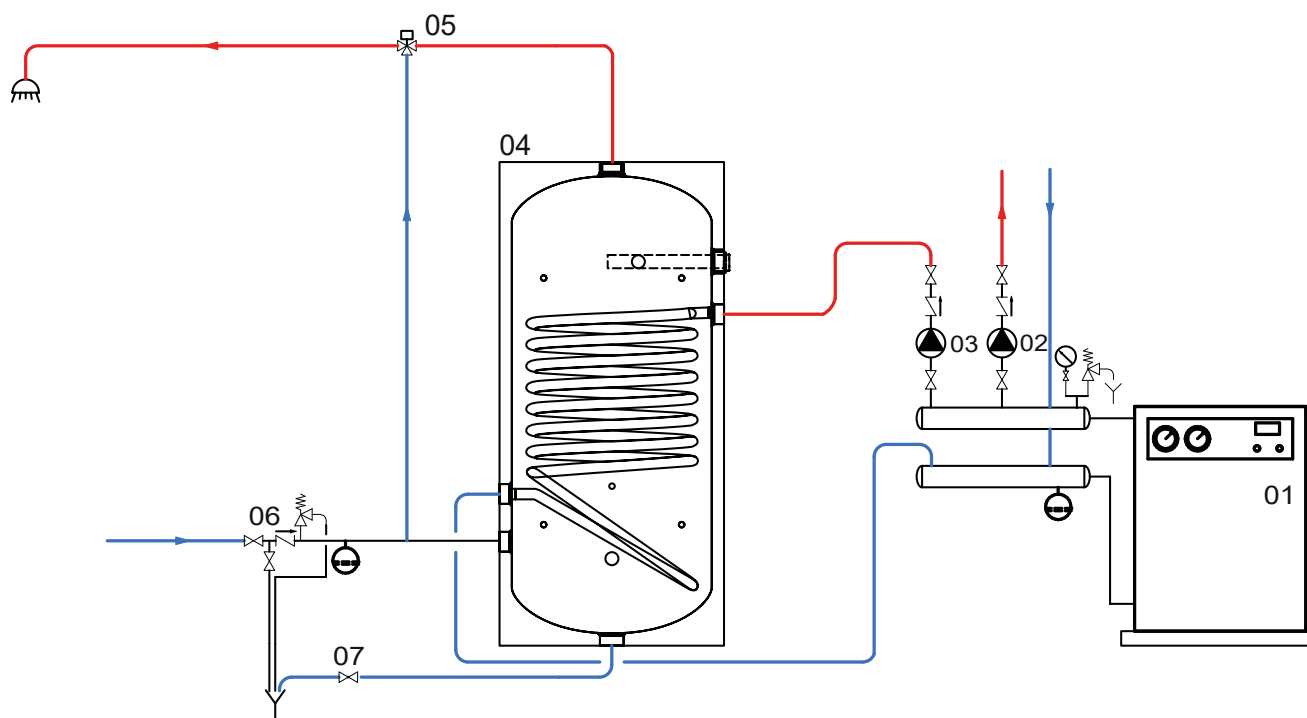


Heat Exchanger output referred to temperature and flow rate of primary circuit and with secondary at 10/45°C at maximum withdrawal of producible DHW (Upper limit of the curves referred to maximum primary flow rate in the heat exchanger, while the lower limit in the curves refer to the minimum primary flow rate)



| Heat exchanger surface [m²] | 0,44 | | 0,63 | | 0,84 | | 1,22 | |
|-----------------------------|------|-----|------|-----|------|------|------|-----|
| Flow rate [m³/h] | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| | 2 | 1 | 2 | 1 | 2,5 | 1,25 | 3 | 1,5 |

EXAMPLE OF INSTALLATION WITH BOLLY® MURALE - PRIMO



| | | | | | | | |
|----|----------------------------------|----|--------------------------|----|---------------------------|----|----------------|
| 01 | Generator | 03 | D.H.W. circulation group | 05 | Thermostatic mixing valve | 07 | Blowdown valve |
| 02 | Heating system circulation group | 04 | BOLLY® MURALE / PRIMO | 06 | Hydraulic safety group | | |