

# CORPRIMO

## Primary storage tank



M0 sheet-metal jacket



M1 flexible jacket



## + PRODUCT

- Wide range of capacities
- Low-height models under 2.20 m for all capacities up to 3,000 L included
- M1 flexible jacket or M0 sheet-metal jacket, with 100 mm insulation
- 1" 1/4 drain at the bottom
- For hot-mode operation

14 models from 500 to 5,000 L

### Supplies

- Steel tank
- M1 flexible jacket (supplied unassembled) or M0 sheet-metal jacket (supplied assembled), except for 3,000 to 5,000 L models. 100 mm insulation
- Lower base insulation (except 4,000 and 5,000 L models)
- 4 connections with inlet diffusers
- 1" 1/4 drain at the bottom
- 3 × 1/2" opening connections
- Thermometer tapping
- Spacers for drain connection (except 500, 4,000 and 5,000 L models)
- 2 lifting lugs (plus 2 additional lifting rings on 4,000 and 5,000 L models)
- **Operating pressure: 4 bar**

### Options & accessories

- TOP NC flexible jacket: please contact us
- Other options: see Corflex range

| MODELS             | USABLE CAPACITY (l) | TANK Ø (mm) | HEIGHT WITH SPACERS (mm) | HEIGHT WITHOUT SPACERS (mm) |
|--------------------|---------------------|-------------|--------------------------|-----------------------------|
| Corprimo 500 ●     | 517                 | 650         | -                        | 1950                        |
| Corprimo 750 ●     | 768                 | 790         | 1985                     | 1935                        |
| Corprimo 900 ●     | 904                 | 790         | 2265                     | 2215                        |
| Corprimo 1000      | 1022                | 790         | 2510                     | 2460                        |
| Corprimo 1000 TB ● | 1020                | 1000        | 1740                     | 1690                        |
| Corprimo 1500 ●    | 1425                | 1000        | 2265                     | 2215                        |
| Corprimo 1500 TB ● | 1552                | 1250        | 1745                     | 1695                        |
| Corprimo 2000 ●    | 2077                | 1250        | 2180                     | 2130                        |
| Corprimo 2500      | 2512                | 1250        | 2540                     | 2490                        |
| Corprimo 2500 TB   | 2521                | 1500        | 1956                     | 1906                        |
| Corprimo 3000      | 3025                | 1250        | 2965                     | 2915                        |
| Corprimo 3000 TB   | 2904                | 1500        | 2176                     | 2126                        |
| Corprimo 4000      | 4220                | 1750        | -                        | 2300                        |
| Corprimo 5000      | 5230                | 1750        | -                        | 2720                        |

TB : Compact models.

\*Corprimo models suitable for MTA applications or for systems with a Rubis Evo DHW calorifier Hygiatherm application equipped with the energy-saving and performance kit.

● : Optional tail-lift ground delivery

## TECHNICAL CHARACTERISTICS AND PERFORMANCES

| GENERAL CHARACTERISTICS                    |             | CORPRIMO MODELS |       |       |       |         |       |         |       |       |         |       |         |       |       |
|--------------------------------------------|-------------|-----------------|-------|-------|-------|---------|-------|---------|-------|-------|---------|-------|---------|-------|-------|
|                                            |             | 500             | 750   | 900   | 1000  | 1000 TB | 1500  | 1500 TB | 2000  | 2500  | 2500 TB | 3000  | 3000 TB | 4000  | 5000  |
| Usable capacity (L)                        |             | 517             | 768   | 904   | 1022  | 1020    | 1425  | 1552    | 2077  | 2512  | 2521    | 3025  | 2904    | 4220  | 5230  |
| Min. tank width (mm)                       |             | 680             | 795   | 795   | 795   | 1015    | 1015  | 1265    | 1265  | 1265  | 1515    | 1265  | 1515    | 1760  | 1760  |
| Tilting dimension <sup>(1)</sup> (mm)      |             | 1980            | 1960  | 2240  | 2480  | 1730    | 2270  | 1720    | 2180  | 2530  | 1970    | 2950  | 2180    | 2365  | 2775  |
| Min. room height of installation area (mm) |             | 2150            | 2185  | 2465  | 2710  | 1940    | 2465  | 1945    | 2380  | 2740  | 2156    | 3165  | 2376    | 2500  | 2920  |
| Empty tank weight (kg)                     |             | 72              | 110   | 140   | 153   | 141     | 180   | 180     | 223   | 292   | 326     | 331   | 350     | 525   | 614   |
| Heat loss <sup>(2)</sup><br>Ua (W/K)       | Flexible M1 | 1.380           | 1.759 | 2.046 | 2.157 | 2.213   | 2.593 | 2.898   | 3.296 | 3.722 | 4.028   | 4.231 | 4.352   | 5.307 | 6.484 |
|                                            | Steel M0    | 1.218           | 1.553 | 1.807 | 1.905 | 1.954   | 2.289 | 2.559   | 2.910 | 3.286 | 3.556   | 3.736 | 3.842   | 4.685 | 5.724 |

(1) Spacers not installed. (2) Storage at 65°C - Room temperature at 20°C. Values according to RT2020. TB : Compact models.

## DIMENSIONAL SPECIFICATIONS (in mm)

| VALUES                           | CALLOUT | CORPRIMO MODELS             |         |      |      |         |      |         |      |              |         |      |         |      |      |  |
|----------------------------------|---------|-----------------------------|---------|------|------|---------|------|---------|------|--------------|---------|------|---------|------|------|--|
|                                  |         | 500                         | 750     | 900  | 1000 | 1000 TB | 1500 | 1500 TB | 2000 | 2500         | 2500 TB | 3000 | 3000 TB | 4000 | 5000 |  |
| Tank diameter                    | Ø       | 650                         | 790     | 790  | 790  | 1000    | 1000 | 1250    | 1250 | 1250         | 1500    | 1250 | 1500    | 1750 | 1750 |  |
| Height with spacers              | H       | -                           | 1985    | 2265 | 2510 | 1740    | 2265 | 1745    | 2180 | 2540         | 1956    | 2965 | 2176    | -    | -    |  |
| Overall height without spacers   | HT      | 1950                        | 1935    | 2215 | 2460 | 1690    | 2215 | 1695    | 2130 | 2490         | 1906    | 2915 | 2126    | 2300 | 2720 |  |
| Top connection                   | B       | 1510                        | 1500    | 1645 | 1890 | 1155    | 1460 | 1095    | 1530 | 1860         | 1207    | 2285 | 1427    | 1665 | 2085 |  |
| Intermediate connection          | B'      | 825                         | 795     | 920  | 1010 | 770     | 915  | 836     | 880  | 1060         | 1123    | 1200 | 1123    | 1158 | 1158 |  |
| Bottom connection                | A       | 440                         | 430     | 430  | 430  | 475     | 500  | 540     | 540  | 570          | 637     | 570  | 637     | 655  | 655  |  |
| Height under drain               | F       | 110                         | 60      |      |      |         |      |         |      |              |         |      |         |      | 135  |  |
| Spacer height                    | R       | -                           | 50      |      |      |         |      |         |      |              |         |      |         |      | -    |  |
| Sensor connection                | 1       | Female 1/2" through tapping |         |      |      |         |      |         |      |              |         |      |         |      |      |  |
| Thermometer tapping              | 2       | Female 1/2" through tapping |         |      |      |         |      |         |      |              |         |      |         |      |      |  |
| Connection to supply             | 3       | F 66/76                     | F 80/90 |      |      |         |      |         | -    |              |         |      |         |      |      |  |
| Flat flange connection PN10/PN16 | 3A      | -                           |         |      |      |         |      |         |      | Flange DN150 |         |      |         |      |      |  |
| Purge                            | 4       | M 40/49                     |         |      |      | M 50/60 |      |         |      |              |         |      |         |      |      |  |
| Drain                            | 5       | F 33/42                     |         |      |      |         |      |         |      |              |         |      |         |      |      |  |

TB : Compact models

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