



## AISI 316L Stainless steel calorifier for heat pumps WP1X - With one coil for heat pumps

## WP2X - With two coils for heat pumps and solar systems

Calorifiers made of AISI 316L Stainless steel, designed for the production and storage of domestic hot water (DHW). They are equipped with one or two internal fixed coils that can be fed by a heat pump and by a solar system and/or a boiler. The special heat exchanger with enhanced exchanging capacity, allows a more efficient spread of the power delivered by the heat pump

on the coldest part of the cylinder, thus reducing the number of on-off cycles of the compressor and increasing its lifespan. The wide range of capacities (from 200 to 2000 litres) allows their installation in several systems, from domestic use to commercial applications. Cylinders are also prepared to host a backup immersion heater (not supplied).

HEAT SOURCE



APPLICATION



| TECHNICAL FEATURES | DHW cylinder  | Material  | AISI 316L Stainless steel (1.4404) |
|--------------------|---|---|------------------------------------|
|                    | Heat exchanger  | Internal protective treatment   | Pickling and passivation           |
|                    |   | External protective treatment   | Pickling and passivation           |
| General features   | Rating (P max. / T max.)  | 6 bar / 95°C  |                                    |
|                    | Cathodic protection   | Magnesium anode   |                                    |
|                    | Material  | AISI 316L Stainless steel (1.4404)  |                                    |
|                    | Internal protective treatment   | Pickling and passivation  |                                    |
|                    | External protective treatment   | Pickling and passivation  |                                    |
|                    | Type  | Fixed coil for 200 litres capacity<br>Double spiral fixed coil for capacities above 300 litres  |                                    |
|                    | Rating (P max. / T max.)  | 10 bar / 95°C   |                                    |
|                    | Capacity  | 200 - 2000 L  |                                    |
|                    | Warranty  | 5 years   |                                    |
|                    | Insulation  | - Rigid polyurethane foam + PVC: Fire retardant class B3 (DIN 4102)<br>- Soft insulation with polyester + PVC: Fire retardant class B2 (DIN 4102) |                                    |
| In compliance with | - Pressure Equipment Directive (PED) 2014/68/UE Art. 4 Para 3<br>- Italian MOH specifications (products suitable to contain potable water)<br>- Energy related Products (Erp) Directive 2009/125/CE |   |                                    |

ACCESSORIES (page 218)

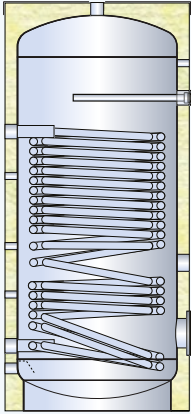
Impressed current electronic anode

Electronic control unit

Thermostat

Thermometer

1 1/2 electric immersion heater

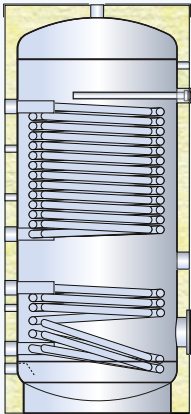


## WP1X - Hard insulation with rigid polyurethane foam and PVC jacket

| CODE         | INSULATION THICK. (mm) | ErP CLASS | HEAT LOSS S (W) | REAL CAPACITY (L) | HEAT EXCHANGER (m <sup>2</sup> ) / (L) * |
|--------------|------------------------|-----------|-----------------|-------------------|--|
| WP1X 00200 R | 50                     | B         | 56,7            | 189,8             | 1,90 / 18,6                              |
| WP1X 00300 R | 50                     | B         | 69,2            | 290,3             | 3,50 / 34,3                              |
| WP1X 00400 R | 50                     | B         | 73,0            | 414,9             | 4,50 / 44,1                              |
| WP1X 00500 R | 50                     | B         | 81,6            | 500,3             | 5,70 / 55,9                              |
| WP1X 00600 R | 50                     | B         | 90,2            | 585,7             | 5,70 / 55,9                              |
| WP1X 00800 R | 100                    | C         | 106,6           | 749,8             | 6,00 / 58,8                              |
| WP1X 01000 R | 100                    | C         | 110,5           | 931,5             | 6,00 / 58,8                              |
| WP1X 01500 R | 100                    | C         | 133             | 1474,3            | 7,50 / 73,5                              |
| WP1X 02000 R | 100                    | C         | 143,3           | 1951,9            | 10,40 / 101,9                            |

## WP1X - Soft insulation with polyester and PVC jacket

| CODE         | INSULATION THICK. (mm) | ErP CLASS | HEAT LOSS S (W) | REAL CAPACITY (L) | HEAT EXCHANGER (m <sup>2</sup> ) / (L) * |
|--------------|------------------------|-----------|-----------------|-------------------|--|
| WP1X 00800 F | 130                    | C         | 126,6           | 749,8             | 6,00 / 58,8                              |
| WP1X 01000 F | 130                    | C         | 138,4           | 931,5             | 6,00 / 58,8                              |
| WP1X 01500 F | 130                    | C         | 168,3           | 1474,3            | 7,50 / 73,5                              |
| WP1X 02000 F | 130                    | C         | 181,8           | 1951,9            | 10,40 / 101,9                            |



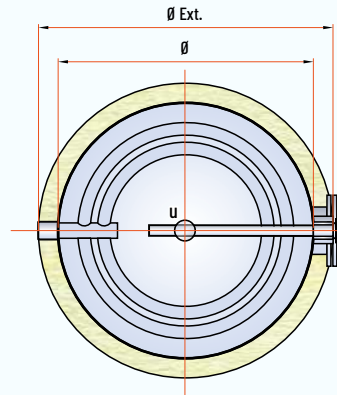
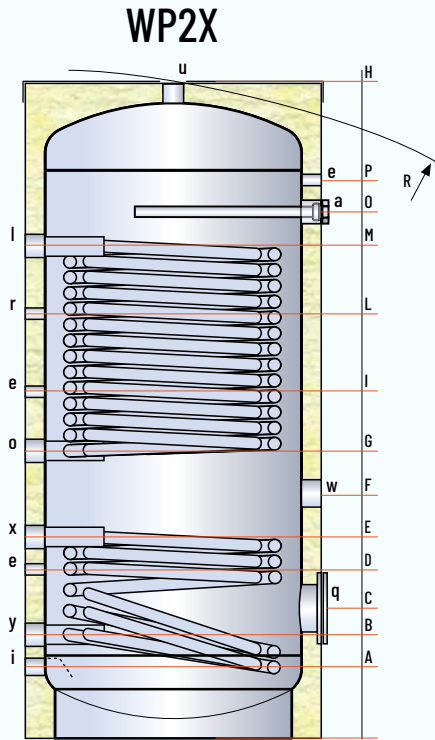
## WP2X - Hard insulation with rigid polyurethane foam and PVC jacket

| CODE         | INSULATION THICK. (mm) | ErP CLASS | HEAT LOSS S (W) | REAL CAPACITY (L) | LOWER HEAT EXCHANGER (m <sup>2</sup> ) / (L) * | UPPER HEAT EXCHANGER (m <sup>2</sup> ) / (L) * |
|--------------|------------------------|-----------|-----------------|-------------------|--|--|
| WP2X 00300 R | 50                     | B         | 69,2            | 290,3             | 1,00 / 9,8                                     | 2,40 / 23,5                                    |
| WP2X 00400 R | 50                     | B         | 73,0            | 414,9             | 1,20 / 11,8                                    | 3,00 / 29,4                                    |
| WP2X 00500 R | 50                     | B         | 81,6            | 500,3             | 1,50 / 14,7                                    | 4,20 / 41,2                                    |
| WP2X 00600 R | 50                     | B         | 90,2            | 585,7             | 2,00 / 19,6                                    | 5,00 / 49,0                                    |
| WP2X 00800 R | 100                    | C         | 106,6           | 749,8             | 2,00 / 19,6                                    | 5,20 / 51,0                                    |
| WP2X 01000 R | 100                    | C         | 110,5           | 931,5             | 3,30 / 32,3                                    | 6,00 / 58,8                                    |
| WP2X 01500 R | 100                    | C         | 133             | 1474,3            | 3,60 / 35,3                                    | 7,50 / 73,5                                    |
| WP2X 02000 R | 100                    | C         | 143,3           | 1951,9            | 5,50 / 53,9                                    | 8,50 / 83,3                                    |

## WP2X - Soft insulation with polyester and PVC jacket

| CODE         | INSULATION THICK. (mm) | ErP CLASS | HEAT LOSS S (W) | REAL CAPACITY (L) | LOWER HEAT EXCHANGER (m <sup>2</sup> ) / (L) * | UPPER HEAT EXCHANGER (m <sup>2</sup> ) / (L) * |
|--------------|------------------------|-----------|-----------------|-------------------|--|--|
| WP2X 00800 F | 130                    | C         | 126,6           | 749,8             | 2,00 / 19,6                                    | 5,20 / 51,0                                    |
| WP2X 01000 F | 130                    | C         | 138,4           | 931,5             | 3,30 / 32,3                                    | 6,00 / 58,8                                    |
| WP2X 01500 F | 130                    | C         | 168,3           | 1474,3            | 3,60 / 35,3                                    | 7,50 / 73,5                                    |
| WP2X 02000 F | 130                    | C         | 181,8           | 1951,9            | 5,50 / 53,9                                    | 8,50 / 83,3                                    |

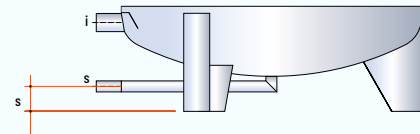
\* Volume occupied by the heat exchanger and its support structure



### LEGEND

- a . Magnesium anode
- e . Thermometer - Sensor
- i . Domestic cold water inlet
- l . Heat pump flow
- o . Heat pump return
- q . DHW inspection hatch
- r . Recirculation
- u . Domestic hot water outlet
- w . Opening for immersion heater
- x . Solar system flow
- y . Solar system return

Detail of the total drain pipe only for the 2000 litres model



| MODEL        | DIMENSIONS (mm) |      | Ø EXT **<br>(Hard/Soft ins.) | R *  | LOWER HEAT EXCHANGER (m <sup>2</sup> ) | UPPER HEAT EXCHANGER (m <sup>2</sup> ) | WEIGHT (kg) |
|--------------|-----------------|------|------------------------------|------|--|--|-------------|
|              | Ø               | H    |                              |      |  |  |             |
| WP2X 00300 R | 500             | 1595 | 600                          | 1720 | 1,00                                   | 2,40                                   | 90          |
| WP2X 00400 R | 650             | 1395 | 750                          | 1600 | 1,20                                   | 3,00                                   | 107         |
| WP2X 00500 R | 650             | 1645 | 750                          | 1820 | 1,50                                   | 4,20                                   | 131         |
| WP2X 00600 R | 650             | 1895 | 750                          | 2050 | 2,00                                   | 5,00                                   | 154         |
| WP2X 00800_  | 790             | 1750 | 990/1050                     | 1745 | 2,00                                   | 5,20                                   | 179         |
| WP2X 01000_  | 790             | 2110 | 990/1050                     | 2095 | 3,30                                   | 6,00                                   | 219         |
| WP2X 01500_  | 1000            | 2115 | 1200/1260                    | 2145 | 3,60                                   | 7,50                                   | 305         |
| WP2X 02000_  | 1100            | 2465 | 1300/1360                    | 2465 | 5,50                                   | 8,50                                   | 396         |

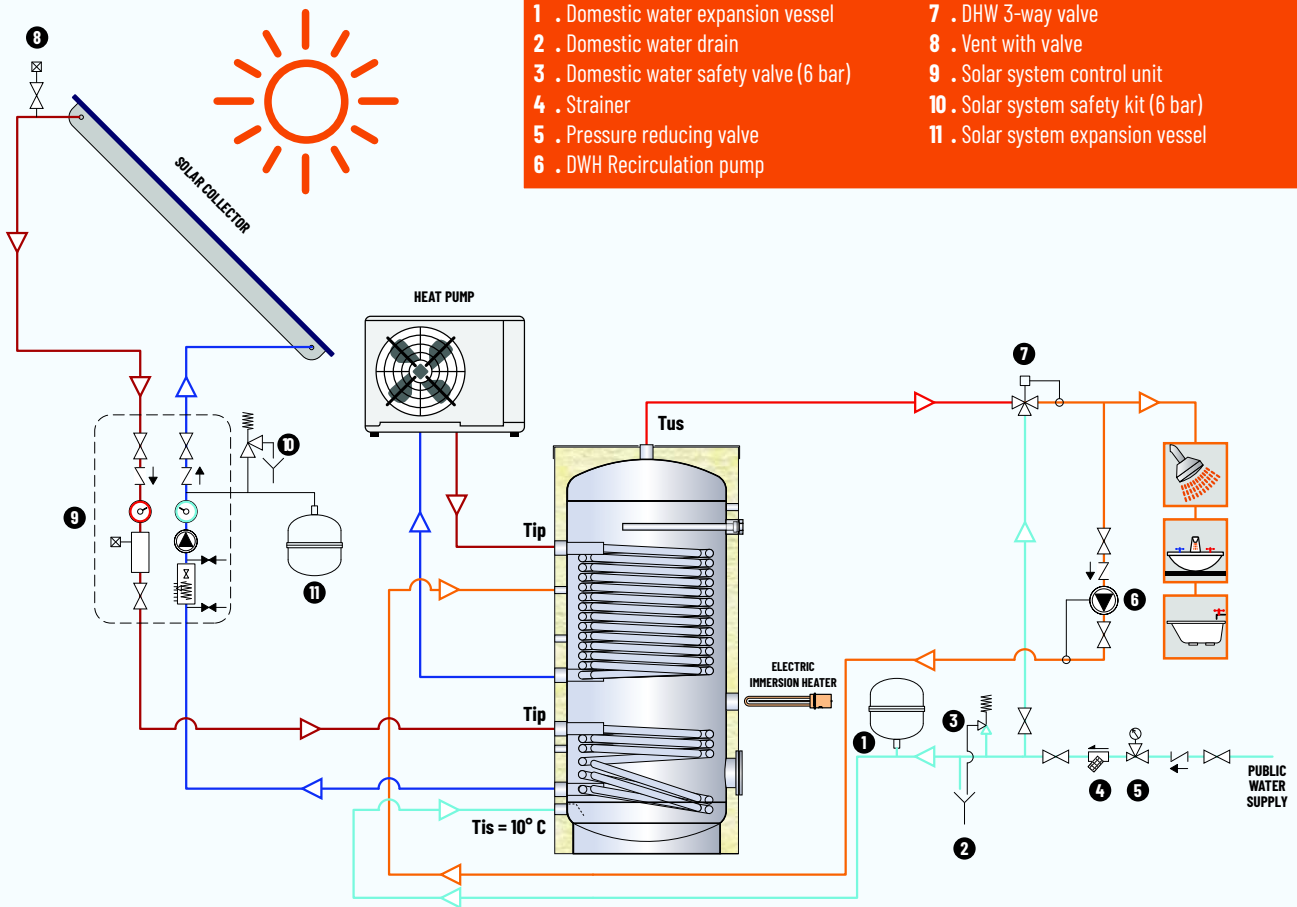
\* For capacities from 300 to 600 litres, the tilt height refers to the insulated cylinder  
 \*\* The insulation is removable except for models from 300 to 600 litres

| MODEL        | HEIGHTS (mm) |     |     |     |     |      |      |      |      |      |      |      |     | CONNECTIONS (GAS) |    |    |     |    |     |         |   |   |   |
|--------------|--------------|-----|-----|-----|-----|------|------|------|------|------|------|------|-----|-------------------|----|----|-----|----|-----|---------|---|---|---|
|              | A            | B   | C   | D   | E   | F    | G    | I    | L    | M    | O    | P    | S   | a                 | l  | x  | y   | e  | r   | i       | u | s | w |
| WP2X 00300 R | 120          | 210 | 300 | 320 | 430 | 495  | 560  | 745  | 925  | 1110 | 1160 | 1365 | -   | 1"¼               | ½" | ½" | 1"  | -  | 1"½ | 120/180 |   |   |   |
| WP2X 00400 R | 145          | 240 | 310 | 340 | 440 | 525  | 565  | 720  | 870  | 1005 | 1030 | 1140 | -   | 1"¼               | ½" | ½" | 1"  | -  | 1"½ | 120/180 |   |   |   |
| WP2X 00500 R | 145          | 240 | 310 | 350 | 460 | 570  | 610  | 820  | 1020 | 1250 | 1280 | 1390 | -   | 1"¼               | ½" | ½" | 1"  | -  | 1"½ | 120/180 |   |   |   |
| WP2X 00600 R | 145          | 240 | 310 | 390 | 540 | 605  | 670  | 870  | 1070 | 1470 | 1510 | 1640 | -   | 1"¼               | ½" | ½" | 1"  | -  | 1"½ | 120/180 |   |   |   |
| WP2X 00800_  | 170          | 275 | 345 | 405 | 535 | 620  | 665  | 835  | 1000 | 1270 | 1310 | 1425 | -   | 1"¼               | ½" | 1" | 1"½ | -  | 1"½ | 120/180 |   |   |   |
| WP2X 01000_  | 170          | 275 | 345 | 475 | 675 | 750  | 825  | 975  | 1120 | 1575 | 1615 | 1770 | -   | 1"¼               | ½" | 1" | 1"½ | -  | 1"½ | 120/180 |   |   |   |
| WP2X 01500_  | 230          | 345 | 475 | 535 | 730 | 805  | 880  | 1025 | 1165 | 1560 | 1600 | 1740 | -   | 1"¼               | ½" | 1" | 2"  | -  | 1"½ | 220/290 |   |   |   |
| WP2X 02000_  | 325          | 455 | 585 | 655 | 955 | 1030 | 1105 | 1245 | 1385 | 1805 | 1885 | 2035 | 100 | 1"¼               | ½" | 1" | 2"  | 1" | 1"½ | 220/290 |   |   |   |

*Disclaimer: this layout is purely indicative. It does not replace consultant's design*

**LEGEND**

- |   |                                      |
|---|--------------------------------------|
| 1 . Domestic water expansion vessel     | 7 . DHW 3-way valve                  |
| 2 . Domestic water drain                | 8 . Vent with valve                  |
| 3 . Domestic water safety valve (6 bar) | 9 . Solar system control unit        |
| 4 . Strainer                            | 10 . Solar system safety kit (6 bar) |
| 5 . Pressure reducing valve             | 11 . Solar system expansion vessel   |
| 6 . DWH Recirculation pump              |                                      |





Data related to the lower heat exchanger

| MODEL                   |  | WP2X 00300R |     |     |      | WP2X 00400R |     |      |      | WP2X 00500R |      |      |      |
|-------------------------|--|-------------|-----|-----|------|-------------|-----|------|------|-------------|------|------|------|
|                         | HEAT EXCHANGER (m <sup>2</sup> )[L] <sup>1</sup> | 1,0 [7,1]   |     |     |      | 1,2 [8,5]   |     |      |      | 1,5 [10,6]  |      |      |      |
|                         | PRIMARY FLOW (m <sup>3</sup> /h)                 | 2           |     |     |      | 3           |     |      |      | 3           |      |      |      |
|                         | PRIMARY TEMP. (°C)                               | 50          | 60  | 70  | 80   | 50          | 60  | 70   | 80   | 50          | 60   | 70   | 80   |
| DHW FROM<br>10 TO 45 °C | LITRES 10' (L/10') <sup>2</sup>                  | 315         | 342 | 484 | 507  | 441         | 475 | 673  | 701  | 534         | 574  | 813  | 848  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | 509         | 671 | 932 | 1069 | 678         | 877 | 1222 | 1391 | 825         | 1068 | 1486 | 1692 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | 245         | 416 | 566 | 711  | 299         | 508 | 693  | 871  | 368         | 623  | 849  | 1066 |
|                         | POWER (kW)                                       | 10          | 17  | 23  | 29   | 12          | 21  | 28   | 35   | 15          | 25   | 35   | 43   |
|                         | PREHEATING <sup>3</sup> (min)                    | 75          | 44  | 32  | 25   | 87          | 50  | 37   | 29   | 86          | 50   | 36   | 29   |
| DHW FROM<br>10 TO 60 °C | LITRES 10' (L/10') <sup>2</sup>                  | -           | -   | 321 | 339  | -           | -   | 449  | 471  | -           | -    | 542  | 570  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | -           | -   | 545 | 655  | -           | -   | 722  | 858  | -           | -    | 878  | 1045 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | -           | -   | 283 | 400  | -           | -   | 345  | 488  | -           | -    | 424  | 599  |
|                         | POWER (kW)                                       | -           | -   | 16  | 23   | -           | -   | 20   | 28   | -           | -    | 24,7 | 34,9 |
|                         | PREHEATING <sup>3</sup> (min)                    | -           | -   | 65  | 45   | -           | -   | 75   | 52   | -           | -    | 74   | 52   |
|                         | NL <sup>4</sup>                                  | 4           |     |     |      | 6           |     |      |      | 8           |      |      |      |

| MODEL                   |  | WP2X 00600R |      |      |      | WP2X 00800_ |      |      |      | WP2X 01000_ |      |      |      |
|-------------------------|--|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
|                         | HEAT EXCHANGER (m <sup>2</sup> )[L] <sup>1</sup> | 2,0 [14,2]  |      |      |      | 2,0 [14,2]  |      |      |      | 3,3 [23,4]  |      |      |      |
|                         | PRIMARY FLOW (m <sup>3</sup> /h)                 | 3           |      |      |      | 3           |      |      |      | 3           |      |      |      |
|                         | PRIMARY TEMP. (°C)                               | 50          | 60   | 70   | 80   | 50          | 60   | 70   | 80   | 50          | 60   | 70   | 80   |
| DHW FROM<br>10 TO 45 °C | LITRES 10' (L/10') <sup>2</sup>                  | 632         | 684  | 968  | 1012 | 788         | 840  | 1191 | 1235 | 1003        | 1080 | 1527 | 1592 |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | 1011        | 1322 | 1835 | 2098 | 1167        | 1478 | 2058 | 2321 | 1591        | 2056 | 2842 | 3232 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | 479         | 806  | 1095 | 1372 | 479         | 806  | 1095 | 1372 | 743         | 1233 | 1661 | 2071 |
|                         | POWER (kW)                                       | 19          | 33   | 45   | 56   | 19          | 33   | 45   | 56   | 30          | 50   | 68   | 84   |
|                         | PREHEATING <sup>3</sup> (min)                    | 79          | 46   | 33   | 27   | 101         | 59   | 43   | 34   | 85          | 49   | 36   | 29   |
| DHW FROM<br>10 TO 60 °C | LITRES 10' (L/10') <sup>2</sup>                  | -           | -    | 644  | 679  | -           | -    | 800  | 835  | -           | -    | 1020 | 1073 |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | -           | -    | 1080 | 1293 | -           | -    | 1236 | 1449 | -           | -    | 1694 | 2011 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | -           | -    | 551  | 775  | -           | -    | 551  | 775  | -           | -    | 851  | 1186 |
|                         | POWER (kW)                                       | -           | -    | 32   | 45,1 | -           | -    | 32   | 45   | -           | -    | 49   | 69   |
|                         | PREHEATING <sup>3</sup> (min)                    | -           | -    | 68   | 48   | -           | -    | 87   | 61   | -           | -    | 73   | 51   |
|                         | NL <sup>4</sup>                                  | 13          |      |      |      | 16          |      |      |      | 29          |      |      |      |

| MODEL                   |  | WP2X 01500_ |      |      |      | WP2X 02000_ |      |      |       |
|-------------------------|--|-------------|------|------|------|-------------|------|------|-------|
|                         | HEAT EXCHANGER (m <sup>2</sup> )[L] <sup>1</sup> | 3,6 [25,5]  |      |      |      | 5,5 [39,0]  |      |      |       |
|                         | PRIMARY FLOW (m <sup>3</sup> /h)                 | 4           |      |      |      | 5           |      |      |       |
|                         | PRIMARY TEMP. (°C)                               | 50          | 60   | 70   | 80   | 50          | 60   | 70   | 80    |
| DHW FROM<br>10 TO 45 °C | LITRES 10' (L/10') <sup>2</sup>                  | 1533        | 1621 | 2299 | 2373 | 2050        | 2180 | 3087 | 3196  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | 2192        | 2723 | 3790 | 4236 | 3030        | 3806 | 5280 | 5929  |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | 833         | 1392 | 1883 | 2353 | 1238        | 2055 | 2769 | 3452  |
|                         | POWER (kW)                                       | 34          | 57   | 77   | 96   | 50          | 84   | 113  | 141   |
|                         | PREHEATING <sup>3</sup> (min)                    | 117         | 68   | 50   | 39   | 107         | 62   | 45   | 36    |
| DHW FROM<br>10 TO 60 °C | LITRES 10' (L/10') <sup>2</sup>                  | -           | -    | 1552 | 1613 | -           | -    | 2079 | 2167  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | -           | -    | 2310 | 2673 | -           | -    | 3202 | 3732  |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | -           | -    | 957  | 1339 | -           | -    | 1419 | 1976  |
|                         | POWER (kW)                                       | -           | -    | 55,6 | 77,9 | -           | -    | 82,5 | 114,9 |
|                         | PREHEATING <sup>3</sup> (min)                    | -           | -    | 101  | 71   | -           | -    | 92   | 65    |
|                         | NL <sup>4</sup>                                  | 43          |      |      |      | 51          |      |      |       |

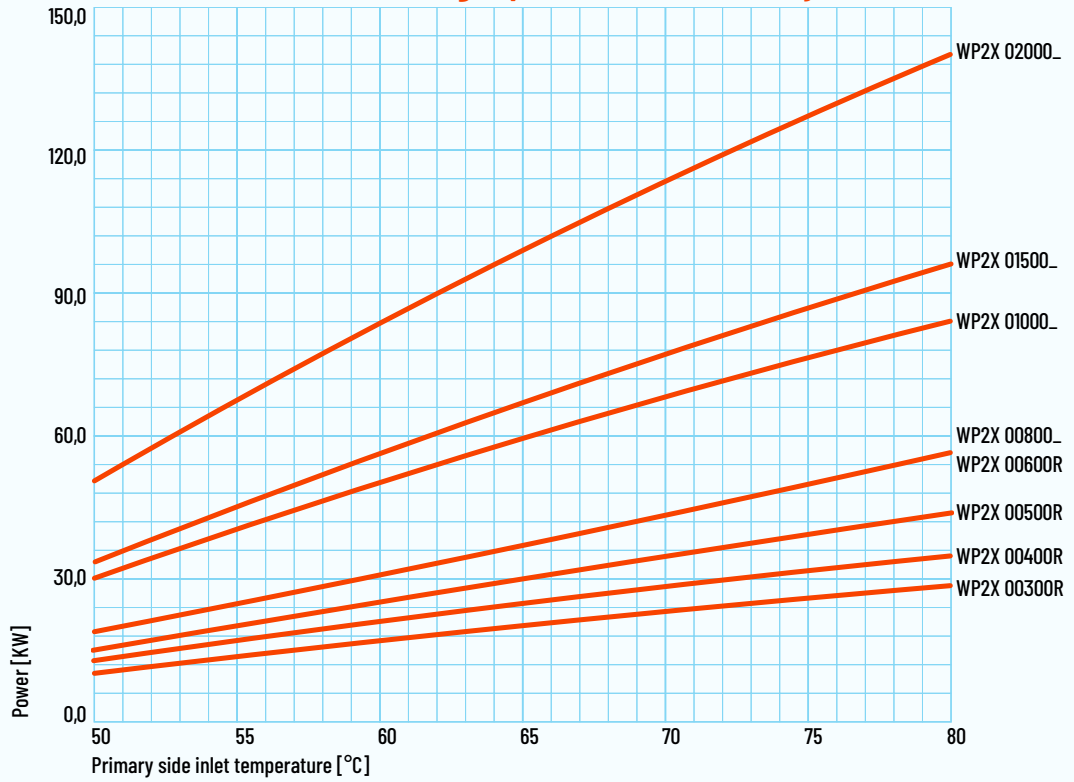
(1) Volume of fluid contained in the heat exchanger

(2) Obtainable with pre-heated cylinder (at 45 °C with primary side set at 50 or 60 °C and pre-heated at 60 °C in the other cases) and a running heat source

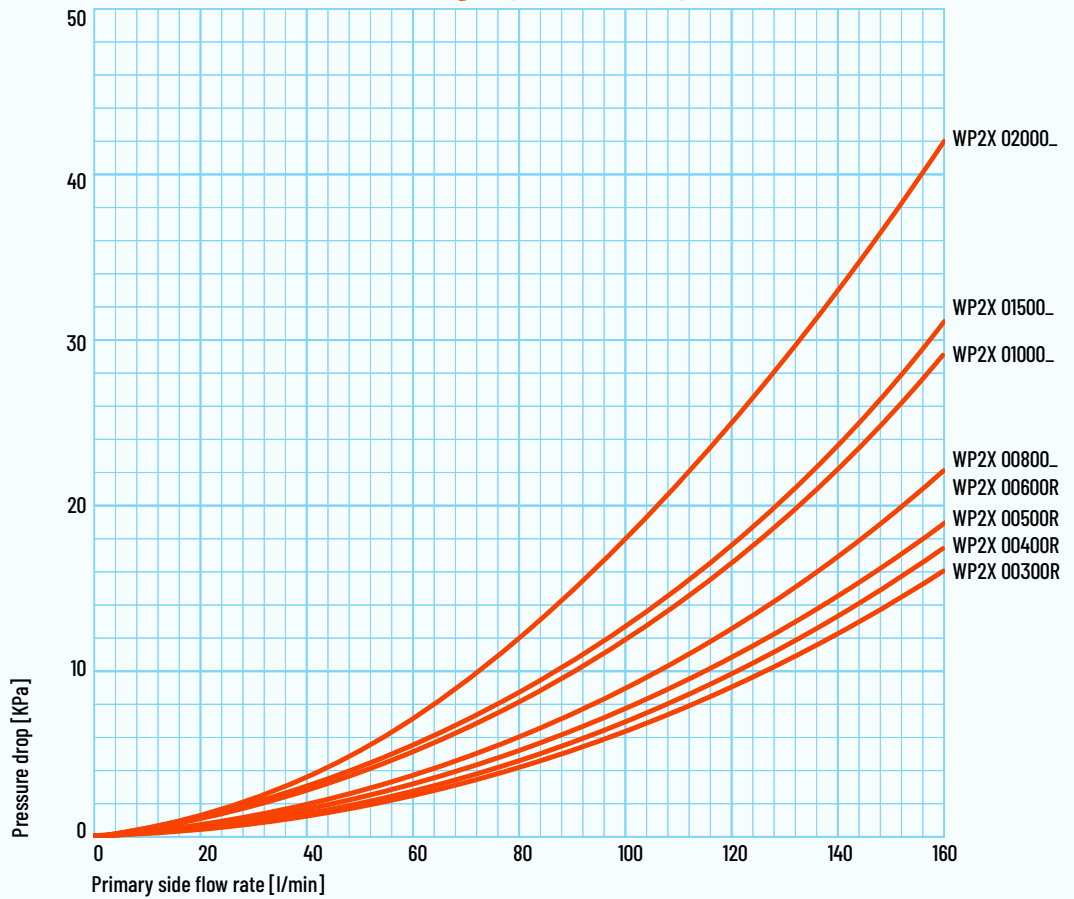
(3) With a proper power heat source generator

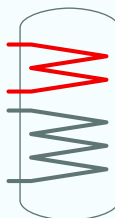
(4) Primary side 80 °C - Secondary side 10-45 °C

**WP2X - Lower heat exchanger powers with secondary side at 10/45 °C**



**WP2X - Lower heat exchanger pressure drops**





Data related to the upper heat exchanger

The performance values in the chart refer to the partial volume of water affected by the heat exchanger

| MODEL                   |  | WP2X 00300R |      |      |      | WP2X 00400R |      |      |      | WP2X 00500R |      |      |      |
|-------------------------|--|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
|                         | HEAT EXCHANGER (m <sup>2</sup> )[L] <sup>1</sup> | 2,4 [17,0]  |      |      |      | 3,0 [21,3]  |      |      |      | 4,2 [29,8]  |      |      |      |
|                         | PRIMARY FLOW (m <sup>3</sup> /h)                 | 2           |      |      |      | 3           |      |      |      | 3           |      |      |      |
|                         | PRIMARY TEMP. (°C)                               | 50          | 60   | 70   | 80   | 50          | 60   | 70   | 80   | 50          | 60   | 70   | 80   |
| DHW FROM<br>10 TO 45 °C | LITRES 10' (L/10') <sup>2</sup>                  | 265         | 320  | 445  | 492  | 345         | 417  | 582  | 643  | 445         | 538  | 747  | 824  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | 687         | 1018 | 1385 | 1661 | 888         | 1320 | 1801 | 2164 | 1164        | 1718 | 2330 | 2792 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | 533         | 881  | 1186 | 1477 | 685         | 1140 | 1540 | 1922 | 907         | 1491 | 2000 | 2485 |
|                         | POWER (kW)                                       | 22          | 36   | 48   | 60   | 28          | 46   | 63   | 78   | 37          | 61   | 81   | 101  |
|                         | PREHEATING <sup>3</sup> (min)                    | 24          | 14   | 10   | 8    | 24          | 14   | 10   | 8    | 24          | 14   | 10   | 8    |
| DHW FROM<br>10 TO 60 °C | LITRES 10' (L/10') <sup>2</sup>                  | -           | -    | 277  | 315  | -           | -    | 361  | 411  | -           | -    | 466  | 529  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | -           | -    | 760  | 986  | -           | -    | 983  | 1279 | -           | -    | 1286 | 1665 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | -           | -    | 610  | 848  | -           | -    | 786  | 1097 | -           | -    | 1037 | 1435 |
|                         | POWER (kW)                                       | -           | -    | 35   | 49   | -           | -    | 46   | 64   | -           | -    | 60,3 | 83,4 |
|                         | PREHEATING <sup>3</sup> (min)                    | -           | -    | 21   | 15   | -           | -    | 21   | 15   | -           | -    | 21   | 15   |
|                         | NL <sup>4</sup>                                  | 5           |      |      |      | 12          |      |      |      | 19          |      |      |      |

| MODEL                   |  | WP2X 00600R |      |      |      | WP2X 00800_ |      |      |      | WP2X 01000_ |      |      |      |
|-------------------------|--|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
|                         | HEAT EXCHANGER (m <sup>2</sup> )[L] <sup>1</sup> | 5,0 [35,5]  |      |      |      | 5,2 [36,9]  |      |      |      | 6,0 [42,6]  |      |      |      |
|                         | PRIMARY FLOW (m <sup>3</sup> /h)                 | 3           |      |      |      | 3           |      |      |      | 3           |      |      |      |
|                         | PRIMARY TEMP. (°C)                               | 50          | 60   | 70   | 80   | 50          | 60   | 70   | 80   | 50          | 60   | 70   | 80   |
| DHW FROM<br>10 TO 45 °C | LITRES 10' (L/10') <sup>2</sup>                  | 526         | 630  | 876  | 961  | 611         | 718  | 1000 | 1088 | 717         | 833  | 1160 | 1256 |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | 1352        | 1975 | 2672 | 3187 | 1462        | 2102 | 2846 | 3374 | 1666        | 2363 | 3193 | 3767 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | 1042        | 1699 | 2269 | 2812 | 1075        | 1748 | 2332 | 2888 | 1198        | 1933 | 2568 | 3173 |
|                         | POWER (kW)                                       | 42          | 69   | 92   | 114  | 44          | 71   | 95   | 118  | 49          | 79   | 105  | 129  |
|                         | PREHEATING <sup>3</sup> (min)                    | 26          | 15   | 11   | 9    | 31          | 18   | 13   | 11   | 34          | 20   | 15   | 12   |
| DHW FROM<br>10 TO 60 °C | LITRES 10' (L/10') <sup>2</sup>                  | -           | -    | 550  | 620  | -           | -    | 635  | 708  | -           | -    | 743  | 822  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | -           | -    | 1490 | 1915 | -           | -    | 1604 | 2040 | -           | -    | 1820 | 2295 |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | -           | -    | 1188 | 1635 | -           | -    | 1224 | 1683 | -           | -    | 1361 | 1861 |
|                         | POWER (kW)                                       | -           | -    | 69,1 | 95,1 | -           | -    | 71   | 98   | -           | -    | 79   | 108  |
|                         | PREHEATING <sup>3</sup> (min)                    | -           | -    | 23   | 16   | -           | -    | 27   | 19   | -           | -    | 30   | 21   |
|                         | NL <sup>4</sup>                                  | 23          |      |      |      | 29          |      |      |      | 34          |      |      |      |

| MODEL                   |  | WP2X 01500_ |      |       |       | WP2X 02000_ |      |       |       |
|-------------------------|--|-------------|------|-------|-------|-------------|------|-------|-------|
|                         | HEAT EXCHANGER (m <sup>2</sup> )[L] <sup>1</sup> | 7,5 [53,2]  |      |       |       | 8,5 [60,3]  |      |       |       |
|                         | PRIMARY FLOW (m <sup>3</sup> /h)                 | 4           |      |       |       | 4           |      |       |       |
|                         | PRIMARY TEMP. (°C)                               | 50          | 60   | 70    | 80    | 50          | 60   | 70    | 80    |
| DHW FROM<br>10 TO 45 °C | LITRES 10' (L/10') <sup>2</sup>                  | 1060        | 1209 | 1690  | 1813  | 1334        | 1495 | 2092  | 2224  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | 2265        | 3160 | 4287  | 5025  | 2657        | 3620 | 4912  | 5703  |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | 1522        | 2464 | 3281  | 4058  | 1670        | 2685 | 3562  | 4395  |
|                         | POWER (kW)                                       | 62          | 100  | 134   | 165   | 68          | 109  | 145   | 179   |
|                         | PREHEATING <sup>3</sup> (min)                    | 42          | 24   | 18    | 14    | 51          | 29   | 21    | 17    |
| DHW FROM<br>10 TO 60 °C | LITRES 10' (L/10') <sup>2</sup>                  | -           | -    | 1093  | 1195  | -           | -    | 1370  | 1479  |
|                         | LITRES FIRST HOUR <sup>2</sup>                   | -           | -    | 2464  | 3074  | -           | -    | 2871  | 3527  |
|                         | CONTINUOUS DRAW (L) <sup>3</sup>                 | -           | -    | 1731  | 2373  | -           | -    | 1896  | 2587  |
|                         | POWER (kW)                                       | -           | -    | 100,7 | 138,0 | -           | -    | 110,3 | 150,4 |
|                         | PREHEATING <sup>3</sup> (min)                    | -           | -    | 36    | 25    | -           | -    | 44    | 31    |
|                         | NL <sup>4</sup>                                  | 59          |      |       |       | 78          |      |       |       |

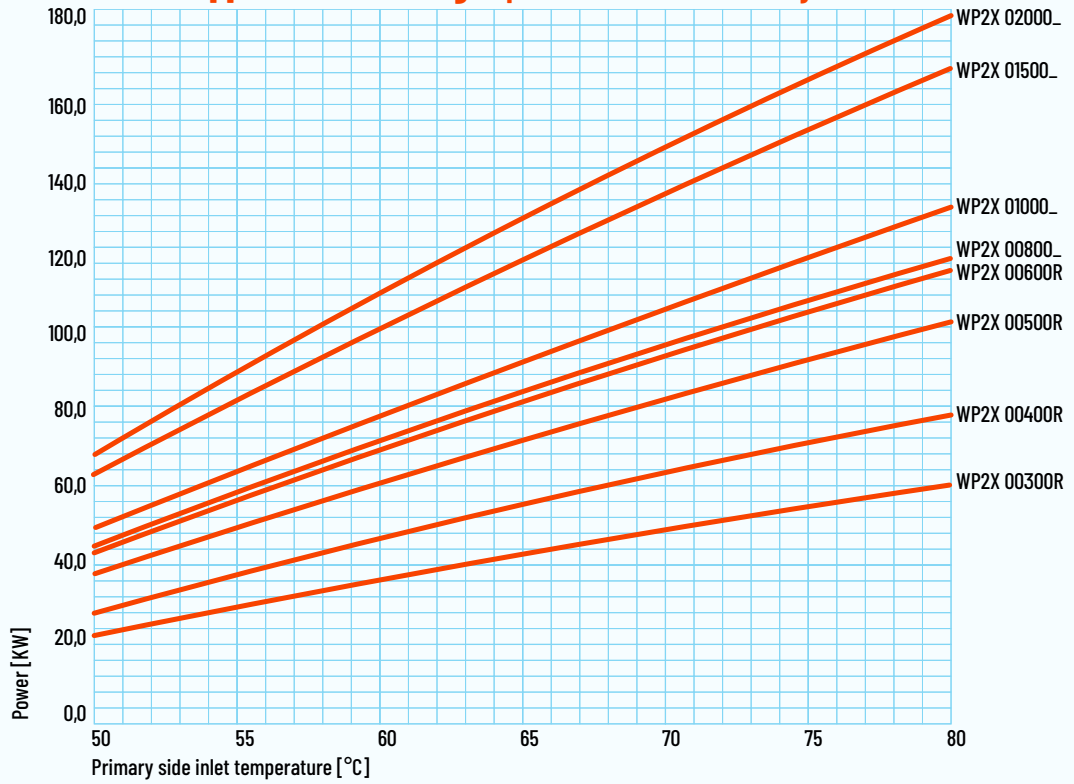
(1) Volume of fluid contained in the heat exchanger

(2) Obtainable with pre-heated cylinder (at 45 °C with primary side set at 50 or 60 °C and pre-heated at 60 °C in the other cases) and a running heat source

(3) With a proper power heat source generator

(4) Primary side 80 °C - Secondary side 10-45 °C

**WP2X - Upper heat exchanger powers with secondary side at 10/45 °C**



**WP2X - Upper heat exchanger pressure drops**

