

**NEW  
RANGE 2025**



## Cetetherm AquaEfficiency Neo



- ⊕ AquaEfficiency "Neo" for its new Micro4000 control box, with dynamic, user-friendly and intuitive display
- ⊕ AquaEfficiency "Neo" for the addition of charging pump(s) management for primary storage tank
- ⊕ AquaEfficiency "Neo" for the management of renewable energy installations
- ⊕ The best solution for condensing boilers and heat pumps

### NEW 2025

New AquaEfficiency range is fully equipped with plates even more efficient.

#### Benefits :

- ⊕ Better thermal exchange performance with lower return temperatures.
- ⊕ Reduced primary flows.

#### APPLICATIONS

AquaEfficiency Neo is the most energy-efficient domestic hot water (DHW) system available, equipped with major innovations and a unique patented setpoint control, guaranteeing the lowest possible return temperature on the primary side. It is designed to provide domestic hot water up to 920 kW in:

- apartment blocks
- Hospitals
- Hotels
- Retirement homes and care centers
- Schools and universities
- Leisure centers...

#### KEY BENEFITS

- Best boiler condensation thanks to low temperature return and unique, patented primary flow control
- User-friendly control with dynamic menus
- Low scaling
- Very high level of regulation quality thanks to rapid response of control valves; 15 seconds speed actuator
- Low consumption primary and secondary pump(s): class A
- Pre-assembled, pre-mounted, pre-wired - ready to go
- Possibility of remote control via ModBus
- Compliance of materials with drinking water standards: 316 stainless steel plates and EPDMW "clip-on" gaskets
- Easy and quick maintenance

#### WORKING PRINCIPLE

In the tap water system, energy is exchanged through a heat exchanger from the primary to the DHW side. On the primary side, AquaEfficiency Neo has to be fed by a heating source that for example can be a local boiler, a primary tank or a solar system. The temperature of the water entering the heat exchanger on the primary side is adapted to meet the demand on the domestic side. The mixing valve eliminates thermal shock in the heat exchanger and reduces the potential build-up of lime-scale on the secondary side.

On the secondary side, AquaEfficiency Neo instantaneous is connected to the main water circuit and provides domestic hot water to the distribution pipe-work when there is a demand. A circulation pump, which is used to limit the time needed to deliver domestic hot water with right temperature to the tap, maintains a minimum flow rate through the heat exchanger and through the distribution pipe-work.

For AquaEfficiency Neo semi-instantaneous a variable speed SS316 pump is supplying a buffer vessel. The storage tank ensures that domestic hot water supply is met during peak demand periods.

AquaEfficiency Neo is available with three different heat exchangers:

1. Plates & gaskets, stainless steel plates
2. Copper Brazed
3. Fusion bonded 100% stainless steel

## MICRO4000

Controller for DHW units AquaGenius Neo, AquaFirst Neo and AquaEfficiency Neo

**NEW**



### KEY BENEFITS

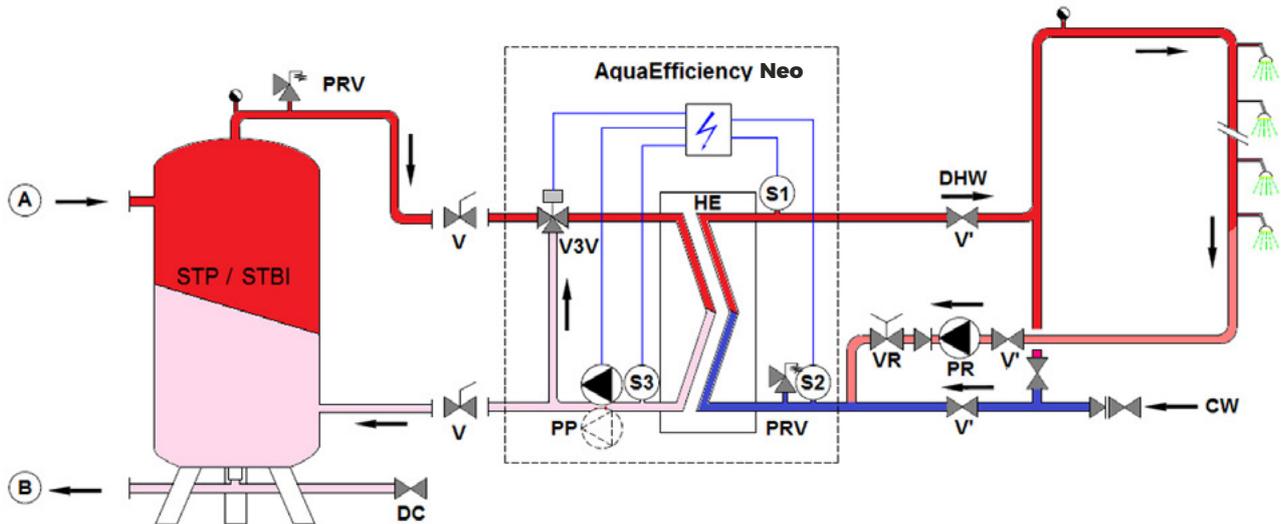
- ⊕ Dynamic, user-friendly and intuitive display
- ⊕ Management of charging pump(s) for primary tank
- ⊕ Features adapted to renewable energies
- ⊕ Heat Pump Ready
- ⊕ ModBus communication
- ⊕ Siemens Climatix controller with specific Cetetherm program
- ⊕ Industrial electronics
- ⊕ Easy access to components

### STANDARD FEATURES

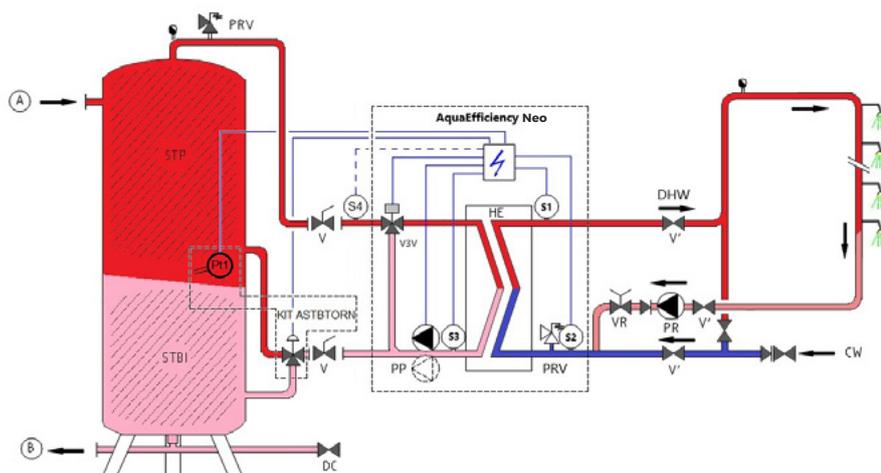
|                           |  |
|---------------------------|--|
| Heat exchanger            | <ul style="list-style-type: none"> <li>• <b>Plates &amp; Gasket heat exchanger</b> <ul style="list-style-type: none"> <li>- Corrosion resistant stainless steel 316 plates</li> <li>- EPDMW Roof top Clip-on gaskets</li> <li>- Rock-wool insulation</li> </ul> </li> <li>• <b>Copper Brazed insulated heat exchanger</b></li> <li>• <b>Cetetherm insulated heat exchanger</b> <ul style="list-style-type: none"> <li>- 100% stainless steel fusion bonded heat exchanger</li> </ul> </li> </ul>         |
| Control system (patented) | <ul style="list-style-type: none"> <li>• 3-port mixing electronic control valve</li> <li>• 24V 0-10V, 15 second speed actuator</li> <li>• ModBus RTU RS 485 Controller</li> <li>• Multi functional IP44 control box</li> <li>• 2 NTC10K temperature sensors on secondary input and output</li> <li>• 1 NTC10K temperature sensor on primary output</li> </ul>  |
| Pumps                     | <ul style="list-style-type: none"> <li>• <b>Primary pumps</b> <ul style="list-style-type: none"> <li>- Single or double head flooded rotor</li> <li>- Dedicated 0-10V signal for each pump for effective steering/control of primary flow rate</li> </ul> </li> <li>• <b>Secondary pumps</b> <ul style="list-style-type: none"> <li>- Single or double stainless steel head flooded rotor</li> <li>- Dedicated 0-10V signal for each pump for effective electrical energy savings</li> </ul> </li> </ul> |
| Equipments                | <ul style="list-style-type: none"> <li>• Drain valve (primary)</li> <li>• Standard DHW valve 10 bar eff (secondary)</li> </ul>   |

| Operating limits                 | Primary | Secondary |
|----------------------------------|---------|-----------|
| Maximum operating pressure, bar  | 10      | 10        |
| Maximum operating temperature °C | 100     | 85        |

## HYDRAULIC FLOWCHART AQUAEFFICIENCY NEO INSTANTANEOUS\*



## HYDRAULIC FLOWCHART AQUAEFFICIENCY NEO WITH ADDITIONAL DIVERTING ASTB KIT



|     |                                 |            |   |
|-----|---------------------------------|------------|---|
| A   | Primary inlet                   | PRV        | Pressure relief valve                     |
| B   | Primary outlet                  | S          | Temperature sensor                        |
| CW  | Cold water inlet                | S1, S2, S3 | NTC10K Temperature sensors                |
| DC  | Draining valve                  | STBI       | Inertial condensation boiler storage tank |
| DHW | Domestic Hot Water              | STP        | Primary storage tank                      |
| HE  | Heat exchanger                  | V, V'      | Shut off valve                            |
| Pt1 | Vessel sensor                   | VR         | Balancing valve                           |
| PC  | Charging pump ( one or two)     | V3V        | 3-port control valve with actuator        |
| PP  | Primary pump (single or double) |            |   |

\* We do not recommend the use of a mixing bottle on primary side of an AquaEfficiency Neo installation, because the mixing effect destroys the low return temperature. But the need for the differential pressure breaker functionality of this mixing bottle is still mandatory. On AquaEfficiency Neo we recommend to replace the traditional mixing bottle by a small buffer tank, named STBI, that serves as an inertial storage tank and avoids any boiler pumping. In case a primary vessel, named STP, is required or designed on the installation, the STBI tanks becomes unnecessary.

## COMBITHERM SOLUTION

1.



AquaEfficiency Neo



Sensor(s)



Primary tank



Recycling pump

2.



AquaFirst Neo\*



Sensor(s)



Primary tank



Recycling pump

3.



AquaGenius Neo\*



Sensor(s)



Primary tank



Recycling pump

## WHY COMBITHERM ?

Combitherm optimises the advantages of both instantaneous and semi-instantaneous, providing

- ⊕ **Maximum hygiene**  
secondary storage is avoided, along with the risk of legionella, as the thermal capacity is transferred to the primary side.
- ⊕ **Greater cost-effectiveness**  
a greater return of investment is generated, by allowing reduced power from the primary source.
- ⊕ **Full suitability**  
the solution is suitable for all domestic hot water loops and high circulation flow rates, like in hospitals and other collective applications.
- ⊕ **Easy maintenance**  
periodic maintenance is not needed at the secondary side, like storage tank and sanitary charging pumps.
- ⊕ **Optimal reliability and robustness**  
the tank charging pump is located on the heating side, so there is no risk of scaling the recycling pump or corrosion.
- ⊕ **Thermal efficiency**  
Combitherm significantly reduces return temperatures.

Contact Cetetherm to calculate the Combitherm solution best suited to your needs.

## QUICK SELECTION TABLE – INSTANTANEOUS – AQUAEFFICIENCY NEO PLATES & GASKETS

| Primary   | Prim. 80°C  | Secondary       |                | Prim. 70°C  | Secondary       |                | Prim. 65°C  | Secondary       |                | Partnumber  |             |
|---|-------------|-----------------|----------------|-------------|-----------------|----------------|-------------|-----------------|----------------|-------------|-------------|
| flow rate m <sup>3</sup> /h   | capacity kW | flow rate L/sec | pres. drop kPa | capacity kW | flow rate L/sec | pres. drop kPa | capacity kW | flow rate L/sec | pres. drop kPa | single pump | double pump |
| <b>Secondary: 10°C - 55°C / free pressure available on primary: 8 Kpa</b> |             |                 |                |             |                 |                |             |                 |                |             |             |
| 3.6   | 235         | 1.2             | 60             | 185         | 1.0             | 38             | 157         | 0.8             | 28             | EFP3015IS   | EFP3015ID   |
| 4.3   | 290         | 1.5             | 55             | 225         | 1.2             | 34             | 192         | 1.0             | 25             | EFP3019IS   | EFP3019ID   |
| 5.3   | 366         | 1.9             | 38             | 295         | 1.6             | 25             | 250         | 1.3             | 18             | EFP3029IS   | EFP3029ID   |
| 7.7   | 530         | 2.8             | 43             | 425         | 2.3             | 28             | 365         | 1.9             | 21             | EFP5039IS   | EFP5039ID   |
| 11.6  | 780         | 4.1             | 62             | 625         | 3.3             | 40             | 530         | 2.8             | 29             | EFP7047IS   | EFP7047ID   |
| 13  | 908         | 4.8             | 38             | 730         | 3.9             | 25             | 627         | 3.3             | 19             | EFP7071IS   | EFP7071ID   |
| 13.5  | 956         | 5.1             | 31             | 770         | 4.1             | 20             | 660         | 3.5             | 16             | EFP7085IS   | EFP7085ID   |
| <b>Secondary: 10°C - 60°C / free pressure available on primary: 8 Kpa</b> |             |                 |                |             |                 |                |             |                 |                |             |             |
| 3.6   | 220         | 1.1             | 43             | 170         | 0.8             | 27             | 132         | 0.6             | 16             | EFP3015IS   | EFP3015ID   |
| 4.3   | 280         | 1.3             | 42             | 210         | 1.0             | 25             | 165         | 0.8             | 16             | EFP3019IS   | EFP3019ID   |
| 5.3   | 350         | 1.7             | 38             | 270         | 1.3             | 18             | 218         | 1.0             | 12             | EFP3029IS   | EFP3029ID   |
| 7.7   | 510         | 2.4             | 33             | 390         | 1.9             | 22             | 315         | 1.5             | 13             | EFP5039IS   | EFP5039ID   |
| 11.6  | 740         | 3.5             | 45             | 570         | 2.7             | 28             | 455         | 2.2             | 18             | EFP7047IS   | EFP7047ID   |
| 13  | 870         | 4.2             | 29             | 680         | 3.2             | 18             | 550         | 2.6             | 12             | EFP7071IS   | EFP7071ID   |
| 13.5  | 920         | 4.4             | 23             | 720         | 3.4             | 15             | 585         | 2.8             | 10             | EFP7085IS   | EFP7085ID   |

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## QUICK SELECTION TABLE – INSTANTANEOUS – AQUAEFFICIENCY NEO COPPER BRAZED

| Primary   | Prim. 80°C  | Secondary       |                | Prim. 70°C  | Secondary       |                | Prim. 65°C  | Secondary       |                | Partnumber  |             |
|---|-------------|-----------------|----------------|-------------|-----------------|----------------|-------------|-----------------|----------------|-------------|-------------|
| flow rate m <sup>3</sup> /h   | capacity kW | flow rate L/sec | pres. drop kPa | capacity kW | flow rate L/sec | pres. drop kPa | capacity kW | flow rate L/sec | pres. drop kPa | single pump | double pump |
| <b>Secondary: 10°C - 55°C / free pressure available on primary: 5 Kpa</b> |             |                 |                |             |                 |                |             |                 |                |             |             |
| 4.1   | 190         | 1.00            | 42             | 190         | 1.00            | 42             | 160         | 0.86            | 31             | EFB6030IS   | EFB6030ID   |
| 5.25  | 310         | 1.64            | 42             | 260         | 1.39            | 31             | 220         | 1.17            | 23             | EFB6050IS   | EFB6050ID   |
| 5.7   | 350         | 1.86            | 41             | 290         | 1.53            | 27             | 240         | 1.28            | 21             | EFB6060IS   | EFB6060ID   |
| 10.6  | 580         | 3.08            | 41             | 530         | 2.81            | 32             | 440         | 2.33            | 23             | EFB11250IS  | EFB11250ID  |
| 11.5  | 760         | 4.03            | 39             | 605         | 3.22            | 22             | 510         | 2.69            | 19             | EFB11270IS  | EFB11270ID  |
| <b>Secondary: 10°C - 60°C / free pressure available on primary: 5 Kpa</b> |             |                 |                |             |                 |                |             |                 |                |             |             |
| 3.5   | 220         | 1.06            | 40             | 150         | 0.72            | 20             | 90          | 0.42            | 9              | EFB6030IS   | EFB6030ID   |
| 5.3   | 330         | 1.58            | 37             | 235         | 1.11            | 20             | 150         | 0.72            | 9              | EFB6050IS   | EFB6050ID   |
| 5.8   | 370         | 1.78            | 35             | 270         | 1.28            | 19             | 190         | 0.92            | 11             | EFB6060IS   | EFB6060ID   |
| 10.8  | 650         | 3.11            | 39             | 490         | 2.33            | 23             | 350         | 1.67            | 13             | EFB11250IS  | EFB11250ID  |
| 11.9  | 750         | 3.58            | 27             | 570         | 2.72            | 16             | 440         | 2.11            | 12             | EFB11270IS  | EFB11270ID  |

## QUICK SELECTION TABLE – INSTANTANEOUS – AQUAEFFICIENCY NEO FUSION BONDED STAINLESS STEEL

| Primary   | Prim. 80°C  | Secondary       |                | Prim. 70°C  | Secondary       |                | Prim. 65°C  | Secondary       |                | Partnumber  |             |
|---|-------------|-----------------|----------------|-------------|-----------------|----------------|-------------|-----------------|----------------|-------------|-------------|
| flow rate m <sup>3</sup> /h   | capacity kW | flow rate L/sec | pres. drop kPa | capacity kW | flow rate L/sec | pres. drop kPa | capacity kW | flow rate L/sec | pres. drop kPa | single pump | double pump |
| <b>Secondary: 10°C - 55°C / free pressure available on primary: 5 Kpa</b> |             |                 |                |             |                 |                |             |                 |                |             |             |
| 3.5   | 200         | 1.06            | 42             | 165         | 0.89            | 40             | 135         | 0.72            | 27             | EFF5230IS   | EFF5230ID   |
| 4.85  | 290         | 1.53            | 45             | 240         | 1.28            | 32             | 195         | 1.03            | 21             | EFF5250IS   | EFF5250ID   |
| 5.2   | 330         | 1.75            | 42             | 265         | 1.42            | 27             | 220         | 1.17            | 19             | EFF5260IS   | EFF5260ID   |
| 10.2  | 600         | 3.19            | 29             | 450         | 2.39            | 17             | 360         | 1.92            | 11             | EFF7650IS   | EFF7650ID   |
| 11.8  | 720         | 3.83            | 24             | 550         | 2.92            | 15             | 450         | 2.39            | 10             | EFF7670IS   | EFF7670ID   |
| <b>Secondary: 10°C - 60°C / free pressure available on primary: 5 Kpa</b> |             |                 |                |             |                 |                |             |                 |                |             |             |
| 3.3   | 190         | 0.92            | 42             | 140         | 0.67            | 24             | 80          | 0.39            | 8              | EFF5230IS   | EFF5230ID   |
| 4.9   | 290         | 1.39            | 37             | 220         | 1.06            | 22             | 155         | 0.75            | 11             | EFF5250IS   | EFF5250ID   |
| 5.2   | 320         | 1.53            | 32             | 240         | 1.14            | 19             | 180         | 0.86            | 11             | EFF5260IS   | EFF5260ID   |
| 7.5   | 590         | 2.81            | 21             | 320         | 1.53            | 7              | 190         | 0.92            | 3              | EFF7650IS   | EFF7650ID   |
| 10.4  | 680         | 3.25            | 18             | 450         | 2.14            | 7              | 270         | 1.28            | 3              | EFF7670IS   | EFF7670ID   |

## QUICK SELECTION TABLE – SEMI-INSTANTANEOUS – AQUAEFFICIENCY NEO PLATES & GASKETS

| Primary  |                | Secondary          |                   | Secondary      |                    | Secondary         |                | Partnumber         |                   |                         |                         |                        |
|--|----------------|--------------------|-------------------|----------------|--------------------|-------------------|----------------|--------------------|-------------------|-------------------------|-------------------------|------------------------|
| Prim. 80°C   | Secondary      | Prim. 70°C         | Secondary         | Prim. 65°C     | Secondary          | Secondary         | Secondary      | Secondary          | Secondary         | Partnumber              | Partnumber              | Partnumber             |
| flow rate *<br>m <sup>3</sup> /h                                   | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | single/ single<br>pumps | double/ single<br>pumps | double/double<br>pumps |
| Secondary: 10°C - 55°C / free pressure available on primary: 8 Kpa |                |                    |                   |                |                    |                   |                |                    |                   |                         |                         |                        |
| 2.4/3.2/3.6  | 165            | 0.9                | 5                 | 165            | 0.9                | 6                 | 157            | 0.8                | 10                | EFP3015SS               | EFP3015DS               | EFP3015DD              |
| 3.0/3.9/4.3  | 205            | 1.1                | 5                 | 205            | 1.1                | 5                 | 192            | 1.0                | 8                 | EFP3019SS               | EFP3019DS               | EFP3019DD              |
| 3.7/4.8/5.3  | 265            | 1.4                | 5                 | 265            | 1.4                | 5                 | 250            | 1.3                | 8                 | EFP3029SS               | EFP3029DS               | EFP3029DD              |
| 4.2/5.2/6.2  | 300            | 1.6                | 5                 | 300            | 1.6                | 5                 | 300            | 1.6                | 5                 | EFP5039SS               | EFP5039DS               | EFP5039DD              |
| 6.8/8.6/10.4   | 480            | 2.5                | 6                 | 480            | 2.5                | 6                 | 485            | 2.6                | 5                 | EFP7047SS               | EFP7047DS               | EFP7047DD <b>NEW</b>   |
| 7.6/9.5/11.0   | 550            | 2.9                | 5                 | 550            | 2.9                | 5                 | 545            | 2.9                | 6                 | EFP7071SS               | EFP7071DS               | EFP7071DD              |
| 7.7/9.6/11.3   | 565            | 3.0                | 6                 | 565            | 3.0                | 6                 | 570            | 3.0                | 5                 | EFP7085SS               | EFP7085DS               | EFP7085DD              |
| Secondary: 10°C - 60°C / free pressure available on primary: 8 Kpa |                |                    |                   |                |                    |                   |                |                    |                   |                         |                         |                        |
| 3.0/3.6/3.6  | 190            | 0.9                | 5                 | 170            | 0.8                | 11                | 132            | 0.6                | 25                | EFP3015SS               | EFP3015DS               | EFP3015DD              |
| 3.6/4.3/4.3  | 230            | 1.1                | 5                 | 210            | 1.0                | 9                 | 165            | 0.8                | 23                | EFP3019SS               | EFP3019DS               | EFP3019DD              |
| 4.3/5.3/5.3  | 290            | 1.4                | 5                 | 270            | 1.3                | 9                 | 218            | 1.0                | 21                | EFP3029SS               | EFP3029DS               | EFP3029DD              |
| 5.0/7.1/7.7  | 340            | 1.6                | 5                 | 350            | 1.7                | 5                 | 315            | 1.5                | 9                 | EFP5039SS               | EFP5039DS               | EFP5039DD              |
| 8.1/11.0/11.6  | 540            | 2.6                | 5                 | 540            | 2.6                | 5                 | 455            | 2.2                | 25                | EFP7047SS               | EFP7047DS               | EFP7047DD <b>NEW</b>   |
| 8.7/11.7/13.0  | 610            | 2.9                | 5                 | 615            | 2.9                | 5                 | 550            | 2.6                | 16                | EFP7071SS               | EFP7071DS               | EFP7071DD              |
| 9.0/12.0/13.5  | 635            | 3.0                | 5                 | 645            | 3.1                | 5                 | 585            | 2.8                | 13                | EFP7085SS               | EFP7085DS               | EFP7085DD              |

\* Primary 80°C / 70°C / 65°C

## QUICK SELECTION TABLE – SEMI-INSTANTANEOUS – AQUAEFFICIENCY NEO COPPER BRAZED

| Primary  |                | Secondary          |                   | Secondary      |                    | Secondary         |                | Partnumber         |                   |                         |                         |                        |
|--|----------------|--------------------|-------------------|----------------|--------------------|-------------------|----------------|--------------------|-------------------|-------------------------|-------------------------|------------------------|
| Prim. 80°C   | Secondary      | Prim. 70°C         | Secondary         | Prim. 65°C     | Secondary          | Secondary         | Secondary      | Secondary          | Secondary         | Partnumber              | Partnumber              | Partnumber             |
| flow rate<br>m <sup>3</sup> /h                                     | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | single/ single<br>pumps | double/ single<br>pumps | double/double<br>pumps |
| Secondary: 10°C - 55°C / free pressure available on primary: 5 Kpa |                |                    |                   |                |                    |                   |                |                    |                   |                         |                         |                        |
| 3.3  | 160            | 0.86               | 6                 | 160            | 0.86               | 6                 | 160            | 0.86               | 6                 | EFB6030SS               | EFB6030DS               | EFB6030DD              |
| 4.5  | 230            | 1.22               | 4                 | 230            | 1.22               | 4                 | 220            | 1.17               | 7                 | EFB6050SS               | EFB6050DS               | EFB6050DD              |
| 4.8  | 250            | 1.33               | 4                 | 250            | 1.33               | 4                 | 240            | 1.28               | 7                 | EFB6060SS               | EFB6060DS               | EFB6060DD              |
| 9.2  | 460            | 2.44               | 4                 | 460            | 2.44               | 4                 | 440            | 2.33               | 15                | EFB11250SS              | EFB11250DS              | EFB11250DD             |
| 9.7  | 520            | 2.75               | 6                 | 520            | 2.75               | 6                 | 510            | 2.69               | 7                 | EFB11270SS              | EFB11270DS              | EFB11270DD             |
| Secondary: 10°C - 60°C / free pressure available on primary: 5 Kpa |                |                    |                   |                |                    |                   |                |                    |                   |                         |                         |                        |
| 3.5  | 190            | 0.92               | 5                 | 150            | 0.72               | 20                | 90             | 0.42               | 36                | EFB6030SS               | EFB6030DS               | EFB6030DD              |
| 5.3  | 260            | 1.25               | 6                 | 235            | 1.11               | 12                | 150            | 0.72               | 31                | EFB6050SS               | EFB6050DS               | EFB6050DD              |
| 5.8  | 300            | 1.44               | 3                 | 270            | 1.28               | 9                 | 190            | 0.92               | 25                | EFB6060SS               | EFB6060DS               | EFB6060DD              |
| 10.8   | 540            | 2.58               | 4                 | 490            | 2.33               | 15                | 350            | 1.67               | 49                | EFB11250SS              | EFB11250DS              | EFB11250DD             |
| 11.9   | 600            | 2.86               | 5                 | 570            | 2.72               | 10                | 440            | 2.11               | 33                | EFB11270SS              | EFB11270DS              | EFB11270DD             |

## QUICK SELECTION TABLE – SEMI-INSTANTANEOUS – AQUAEFFICIENCY NEO FUSION BONDED STAINLESS STEEL

| Primary  |                | Secondary          |                   | Secondary      |                    | Secondary         |                | Partnumber         |                   |                         |                         |                        |
|--|----------------|--------------------|-------------------|----------------|--------------------|-------------------|----------------|--------------------|-------------------|-------------------------|-------------------------|------------------------|
| Prim. 80°C   | Secondary      | Prim. 70°C         | Secondary         | Prim. 65°C     | Secondary          | Secondary         | Secondary      | Secondary          | Secondary         | Partnumber              | Partnumber              | Partnumber             |
| flow rate<br>m <sup>3</sup> /h                                     | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | capacity<br>kW | flow rate<br>L/sec | pres. drop<br>kPa | single/ single<br>pumps | double/ single<br>pumps | double/double<br>pumps |
| Secondary: 10°C - 55°C / free pressure available on primary: 5 Kpa |                |                    |                   |                |                    |                   |                |                    |                   |                         |                         |                        |
| 3.1  | 150            | 0.81               | 5                 | 150            | 0.81               | 5                 | 135            | 0.72               | 13                | EFF5230SS               | EFF5230DS               | EFF5230DD              |
| 4.2  | 215            | 1.14               | 6                 | 215            | 1.14               | 6                 | 195            | 1.03               | 12                | EFF5250SS               | EFF5250DS               | EFF5250DD              |
| 4.8  | 240            | 1.28               | 5                 | 245            | 1.31               | 4                 | 220            | 1.17               | 11                | EFF5260SS               | EFF5260DS               | EFF5260DD              |
| 10.2   | 460            | 2.44               | 5                 | 450            | 2.39               | 7                 | 360            | 1.92               | 29                | EFF7650SS               | EFF7650DS               | EFF7650DD              |
| 10.6   | 500            | 2.67               | 4                 | 500            | 2.67               | 4                 | 450            | 2.39               | 14                | EFF7670SS               | EFF7670DS               | EFF7670DD              |
| Secondary: 10°C - 60°C / free pressure available on primary: 5 Kpa |                |                    |                   |                |                    |                   |                |                    |                   |                         |                         |                        |
| 3.3  | 165            | 0.78               | 6                 | 140            | 0.67               | 17                | 80             | 0.39               | 38                | EFF5230SS               | EFF5230DS               | EFF5230DD              |
| 4.9  | 240            | 1.14               | 5                 | 220            | 1.06               | 11                | 155            | 0.75               | 28                | EFF5250SS               | EFF5250DS               | EFF5250DD              |
| 5.2  | 270            | 1.28               | 5                 | 240            | 1.14               | 12                | 180            | 0.86               | 26                | EFF5260SS               | EFF5260DS               | EFF5260DD              |
| 7.5  | 510            | 2.44               | 6                 | 320            | 1.53               | 47                | 190            | 0.92               | 75                | EFF7650SS               | EFF7650DS               | EFF7650DD              |
| 10.4   | 560            | 2.67               | 5                 | 450            | 2.14               | 26                | 270            | 1.28               | 61                | EFF7670SS               | EFF7670DS               | EFF7670DD              |

## TECHNICAL TABLES

### AQUAEFFICIENCY NEO PLATES & GASKETS INSTANTANEOUS

| Part number          | Number of plates | Weight (kg) | Power consumption |                      |
|----------------------|------------------|-------------|-------------------|----------------------|
|                      |                  |             | Pmax (W)          | I <sub>max</sub> (A) |
| <b>NEW</b> EFP3015IS | 15               | 159         | 215               | 2.08                 |
| EFP3019IS            | 19               | 162         |                   |                      |
| EFP3029IS            | 29               | 168         |                   |                      |
| EFP5039IS            | 39               | 174         |                   |                      |
| EFP7047IS            | 47               | 190         | 457               | 2.46                 |
| EFP7071IS            | 71               | 204         |                   |                      |
| EFP7085IS            | 85               | 213         |                   |                      |
| <b>NEW</b> EFP3015ID | 15               | 170         |                   |                      |
| EFP3019ID            | 19               | 173         |                   |                      |
| EFP3029ID            | 29               | 179         |                   |                      |
| EFP5039ID            | 39               | 185         |                   |                      |
| EFP7047ID            | 47               | 205         | 884               | 4.42                 |
| EFP7071ID            | 71               | 220         |                   |                      |
| EFP7085ID            | 85               | 228         |                   |                      |

### SEMI-INSTANTANEOUS

| Part number          | Number of plates | Weight (kg) | Power consumption |                      |
|----------------------|------------------|-------------|-------------------|----------------------|
|                      |                  |             | Pmax (W)          | I <sub>max</sub> (A) |
| <b>NEW</b> EFP3015SS | 15               | 166         | 283               | 2.69                 |
| EFP3019SS            | 19               | 169         |                   |                      |
| EFP3029SS            | 29               | 175         |                   |                      |
| EFP5039SS            | 39               | 181         |                   |                      |
| EFP7047SS            | 47               | 193         | 628               | 3.93                 |
| EFP7071SS            | 71               | 207         |                   |                      |
| EFP7085SS            | 85               | 216         |                   |                      |
| <b>NEW</b> EFP3015DS | 15               | 175         |                   |                      |
| EFP3019DS            | 19               | 178         |                   |                      |
| EFP3029DS            | 29               | 184         |                   |                      |
| EFP5039DS            | 39               | 190         |                   |                      |
| EFP7047DS            | 47               | 210         | 1055              | 5.89                 |
| EFP7071DS            | 71               | 224         |                   |                      |
| EFP7085DS            | 85               | 233         |                   |                      |
| <b>NEW</b> EFP3015DD | 15               | 180         |                   |                      |
| EFP3019DD            | 19               | 183         |                   |                      |
| EFP3029DD            | 29               | 189         |                   |                      |
| EFP5039DD            | 39               | 215         |                   |                      |
| EFP7047DD            | 47               | 216         | 1226              | 7.36                 |
| EFP7071DD            | 71               | 230         |                   |                      |
| EFP7085DD            | 85               | 239         |                   |                      |



## AQUAEFFICIENCY NEO COPPER BRAZED INSTANTANEOUS

| Part number | Number of plates | Weight (kg) | Power consumption |          |
|-------------|------------------|-------------|-------------------|----------|
|             |                  |             | Pmax (W)          | Imax (A) |
| EFB6030IS   | 30               | 64          | 166               | 1.69     |
| EFB6050IS   | 50               | 66          |                   |          |
| EFB6060IS   | 60               | 67          |                   |          |
| EFB11250IS  | 50               | 98          | 389               | 2.16     |
| EFB11270IS  | 70               | 106         |                   |          |
| EFB6030ID   | 30               | 72          | 302               | 2.88     |
| EFB6050ID   | 50               | 74          |                   |          |
| EFB6060ID   | 60               | 75          |                   |          |
| EFB11250ID  | 50               | 116         | 748               | 3.82     |
| EFB11270ID  | 70               | 124         |                   |          |

## SEMI-INSTANTANEOUS

| Part number | Number of plates | Weight (kg) | Power consumption |          |
|-------------|------------------|-------------|-------------------|----------|
|             |                  |             | Pmax (W)          | Imax (A) |
| EFB6030SS   | 30               | 69          | 234               | 2.3      |
| EFB6050SS   | 50               | 72          |                   |          |
| EFB6060SS   | 60               | 73          |                   |          |
| EFB11250SS  | 50               | 104         | 560               | 3.63     |
| EFB11270SS  | 70               | 112         |                   |          |
| EFB6030DS   | 30               | 77          | 370               | 3.49     |
| EFB6050DS   | 50               | 80          |                   |          |
| EFB6060DS   | 60               | 81          |                   |          |
| EFB11250DS  | 50               | 122         | 919               | 5.29     |
| EFB11270DS  | 70               | 130         |                   |          |
| EFB6030DD   | 30               | 82          | 438               | 4.1      |
| EFB6050DD   | 50               | 85          |                   |          |
| EFB6060DD   | 60               | 86          |                   |          |
| EFB11250DD  | 50               | 127         | 1090              | 6.76     |
| EFB11270DD  | 70               | 135         |                   |          |

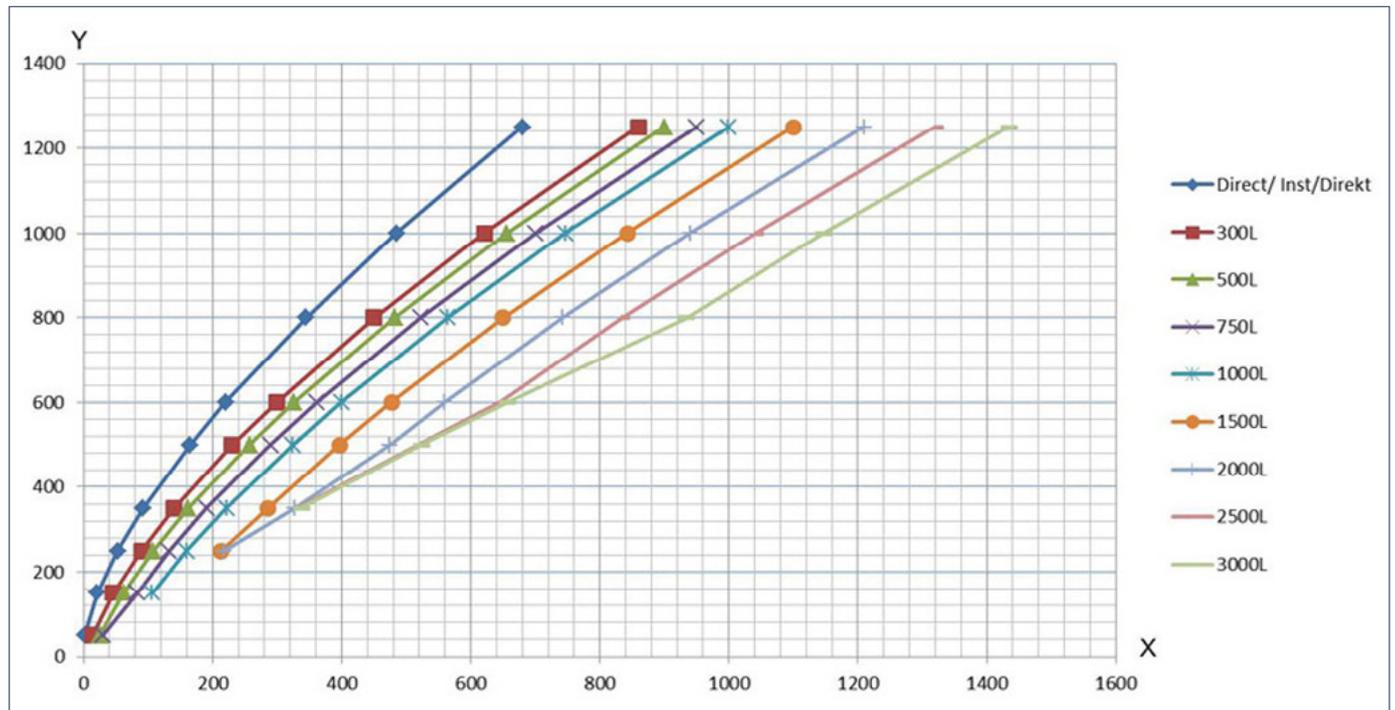
## AQUAEFFICIENCY NEO FUSION BONDED STAINLESS STEEL INSTANTANEOUS

| Part number | Number of plates | Weight (kg) | Power consumption |          |
|-------------|------------------|-------------|-------------------|----------|
|             |                  |             | Pmax (W)          | Imax (A) |
| EFF5230IS   | 30               | 64          | 166               | 1.69     |
| EFF5250IS   | 50               | 66          |                   |          |
| EFF5260IS   | 60               | 67          |                   |          |
| EFF7650IS   | 50               | 98          | 3.89              | 2.16     |
| EFF7670IS   | 70               | 106         |                   |          |
| EFF5230ID   | 30               | 72          | 302               | 2.88     |
| EFF5250ID   | 50               | 74          |                   |          |
| EFF5260ID   | 60               | 75          |                   |          |
| EFF7650ID   | 50               | 116         | 748               | 3.82     |
| EFF7670ID   | 70               | 124         |                   |          |

## SEMI-INSTANTANEOUS

| Part number | Number of plates | Weight (kg) | Power consumption |          |
|-------------|------------------|-------------|-------------------|----------|
|             |                  |             | Pmax (W)          | Imax (A) |
| EFF5230SS   | 30               | 69          | 234               | 2.3      |
| EFF5250SS   | 50               | 72          |                   |          |
| EFF5260SS   | 60               | 73          |                   |          |
| EFF7650SS   | 50               | 104         | 560               | 3.63     |
| EFF7670SS   | 70               | 112         |                   |          |
| EFF5230DS   | 30               | 77          | 370               | 3.49     |
| EFF5250DS   | 50               | 80          |                   |          |
| EFF5260DS   | 60               | 81          |                   |          |
| EFF7650DS   | 50               | 122         | 919               | 5.29     |
| EFF7670DS   | 70               | 130         |                   |          |
| EFF5230DD   | 30               | 82          | 438               | 4.1      |
| EFF5250DD   | 50               | 85          |                   |          |
| EFF5260DD   | 60               | 86          |                   |          |
| EFF7650DD   | 50               | 127         | 1090              | 6.76     |
| EFF7670DD   | 70               | 135         |                   |          |

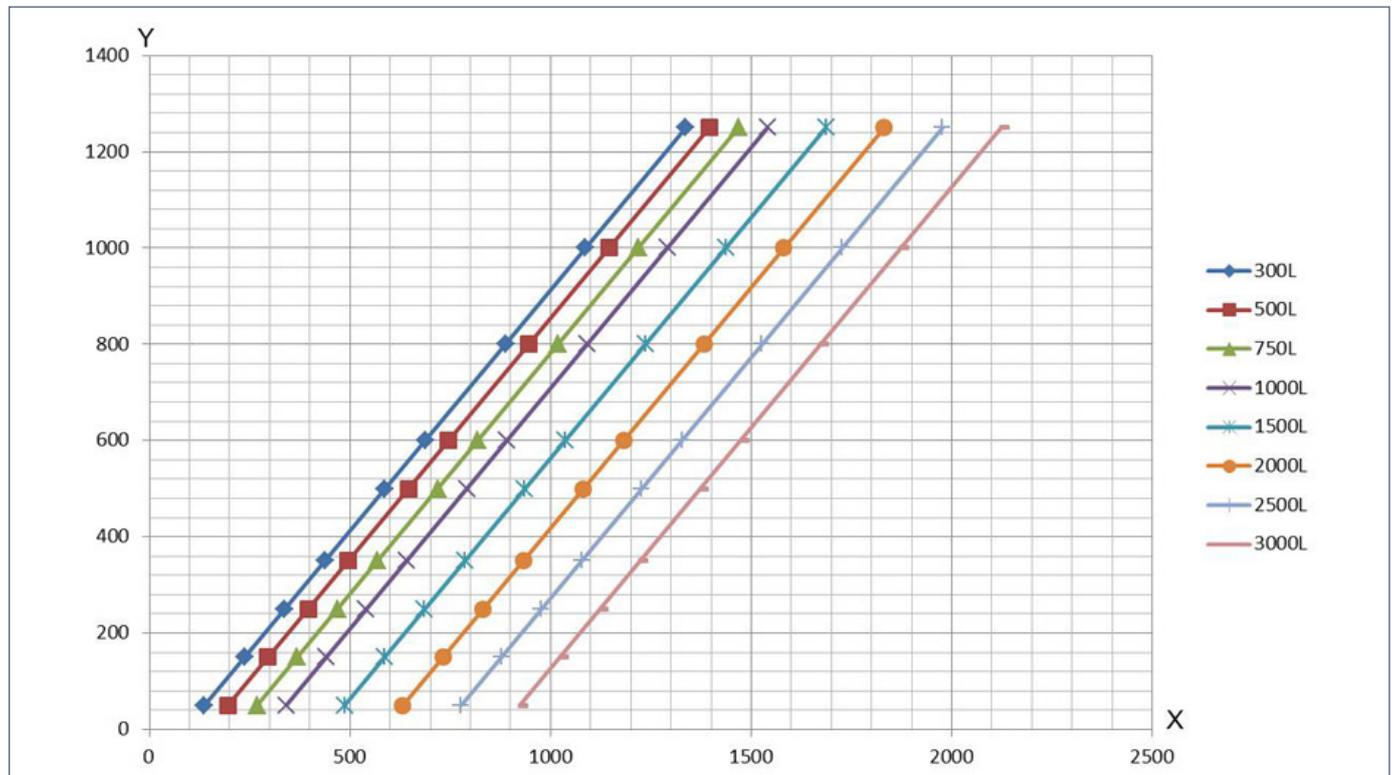
SELECTION CHART AQUAEFFICIENCY NEO WITH INLET/OUTLET PRIMARY : 70 - 30 °C /  
INLET/OUTLET DHW : 10 À 60 °C



Y Capacity in Kw

X Number of 3-4 rooms apartments or Liters/second

SELECTION CHART AQUAEFFICIENCY NEO COMBINED WITH PRIMARY STORAGE TANK / OUTLET DHW 60°C

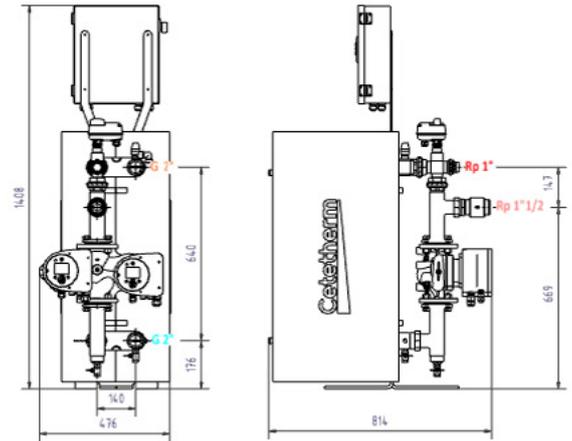
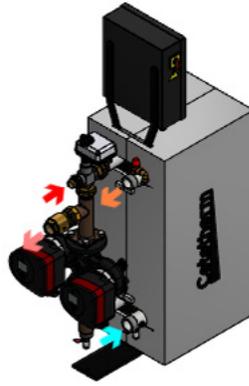


Y Required boiler power in Kw

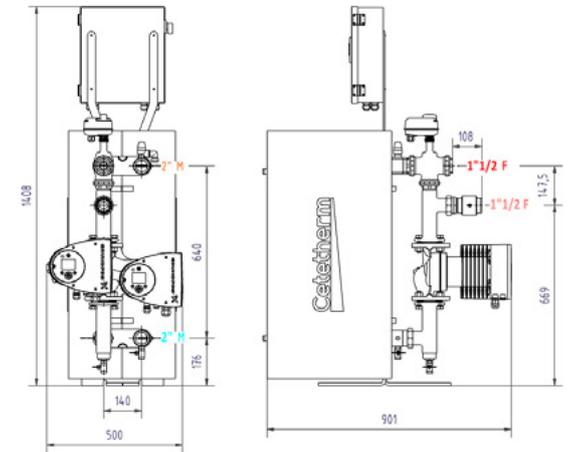
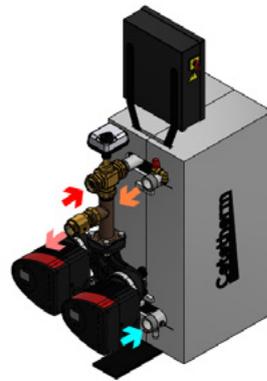
X Required power for instantaneous domestic hot water unit in Kw

## AQUAEFFICIENCY NEO PLATES & GASKETS

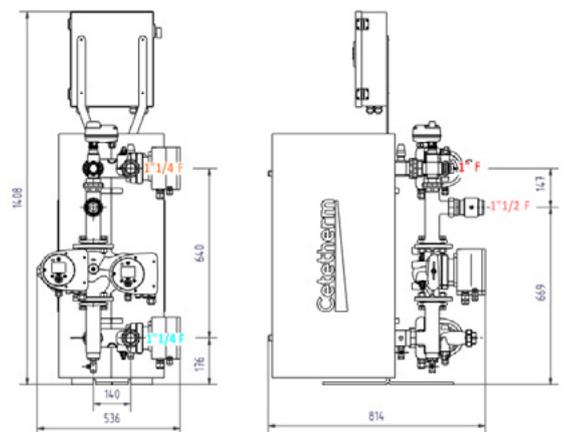
- MODEL 3000  
INSTANTANEOUS DOUBLE



- MODELS 5000 & 7000  
INSTANTANEOUS DOUBLE

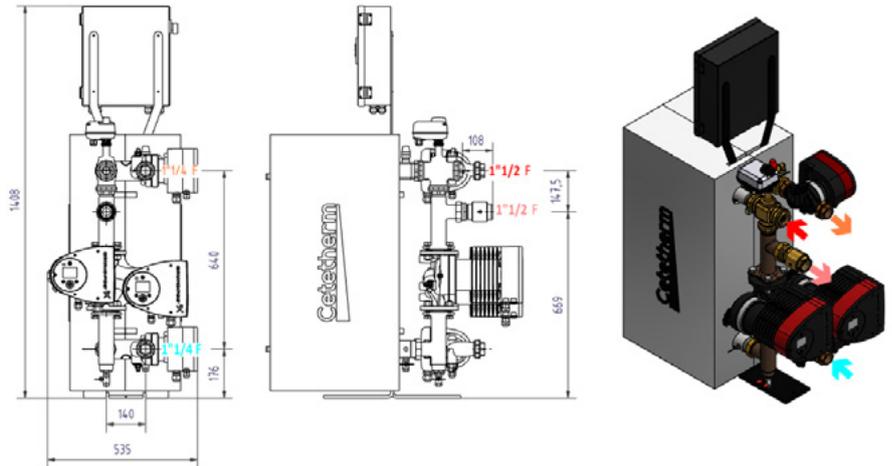


- MODEL 3000  
SEMI-INSTANTANEOUS DOUBLE



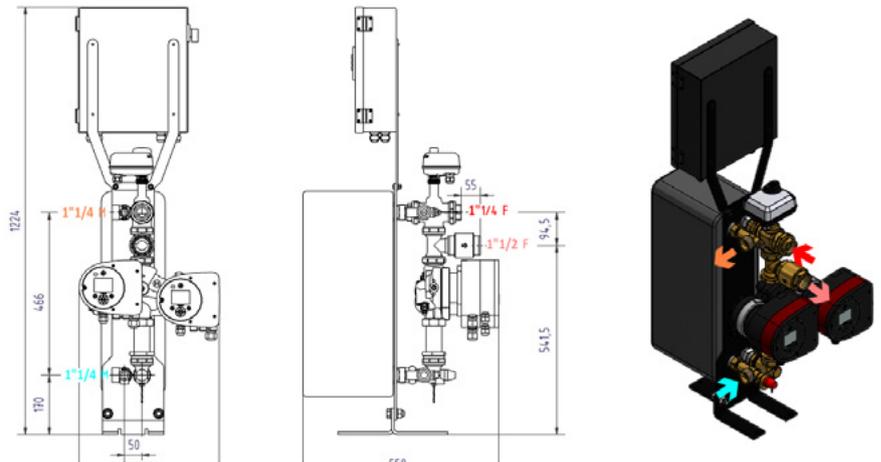
## AQUAEFFICIENCY NEO PLATES & GASKETS

- MODELS 5000 & 7000  
SEMI-INSTANTANEOUS  
DOUBLE

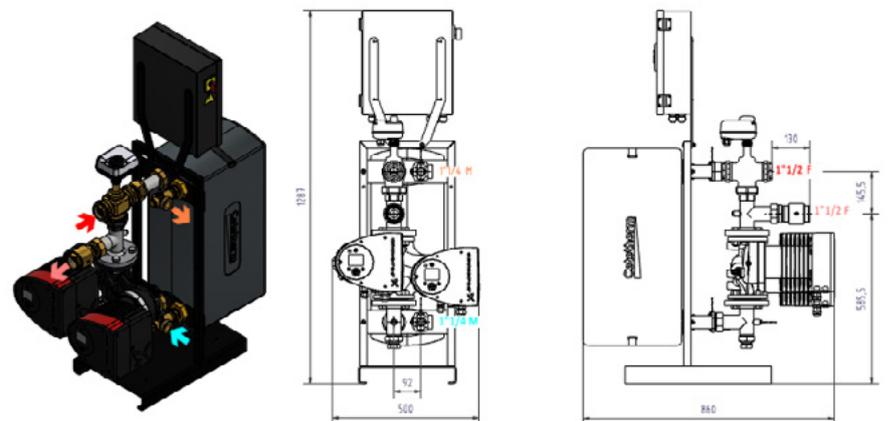


## AQUAEFFICIENCY NEO COPPER BRAZED & FUSION BONDED

- MODELS CB60/F52  
INSTANTANEOUS DOUBLE

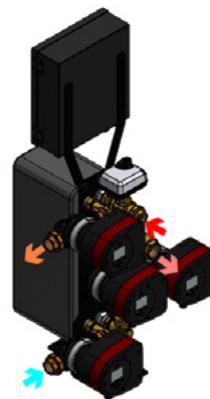
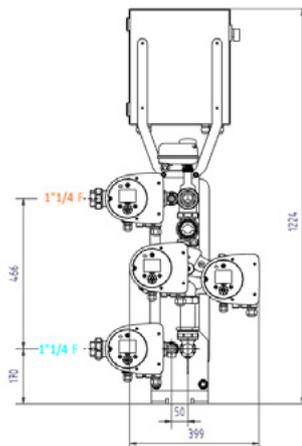
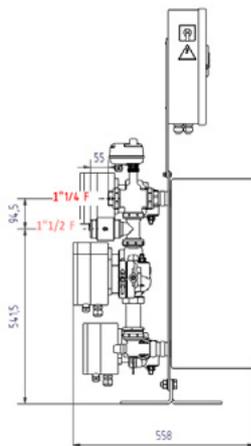


- MODELS CB112/F76  
INSTANTANEOUS DOUBLE



## AQUAEFFICIENCY NEO COPPER BRAZED & FUSION BONDED

- MODELS CB60/F52  
SEMI-INSTANTANEOUS  
DOUBLE



- MODELS CB112/F76  
SEMI-INSTANTANEOUS  
DOUBLE

