



**PGV**  
**Rectangular duct heaters**  
**for hot water**

# PGV

## Rectangular duct heaters for hot water

The PGV with rectangular duct connection uses hot water as the energy carrier and is used for heating the ventilation air in a ventilation system. The PGV can also be used as the heater in a supply air unit. For controlling the room or supply air temperature, the duct heater is supplemented with regulator, sensors, actuators, valves and anti-freeze protection.

- 18 standard sizes
- Casing of Aluzinc-coated sheet steel
- Tappings for drainage and venting
- Coil with copper tubes and aluminium fins
- Tapped connection for fitting a sensor in a pocket for anti-freeze protection
- Air tightness class C to EN 15727

### Design

The casing is made of Aluzinc-coated sheet steel. The coil has copper tubes and aluminium fins. The duct heater is also equipped with tappings for drainage and venting, and a tapped connection for fitting a immersion sensor in a pocket for anti-freeze protection.

### Operating data

Max. operating temperature: +150°C  
 Max. operating pressure: 1,0 MPa (10 bar)  
 The coils are tested for leakage.

### Capacity

Examples of capacity for each size are given on pages 4 to 12. You can also do your own calculations using our web-based VEAB Select calculation program ([www.veab.com](http://www.veab.com)), or get in touch with our sales technicians for assistance.

### Installation

The PGV can be installed in a horizontal or vertical duct, and the air flow can be in either direction.

### Control

See pages 14 to 17 for a list of regulators, sensors, valves and actuators.

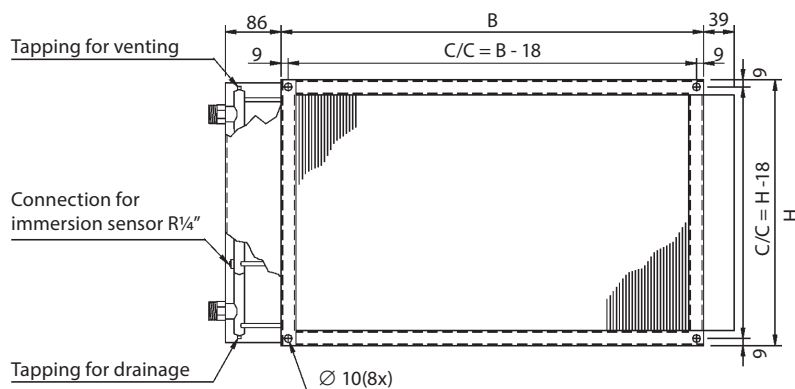


### Air tightness class C

The PGV duct heater conforms to air tightness class C, which ensures that the heated air will reach its destination and will not leak out of the ventilation system – which saves energy and money.

## Product range overview and dimensions

| Type               | B mm | H mm | I mm | K mm | M mm | N conn. R | Coil inside volume l |
|--------------------|------|------|------|------|------|-----------|----------------------|
| PGV 400x200-2-2,5  | 438  | 238  | 150  | 63   | 43   | 3/4"      | 0,6                  |
| PGV 400x200-4-2,5  | 438  | 238  | 150  | 63   | 65   | 3/4"      | 1,0                  |
| PGV 500x250-2-2,5  | 538  | 288  | 200  | 63   | 43   | 3/4"      | 0,9                  |
| PGV 500x250-4-2,5  | 538  | 288  | 200  | 63   | 65   | 3/4"      | 1,6                  |
| PGV 500x300-2-2,5  | 538  | 338  | 250  | 63   | 43   | 3/4"      | 1,0                  |
| PGV 500x300-4-2,5  | 538  | 338  | 250  | 63   | 65   | 1"        | 2,0                  |
| PGV 600x300-2-2,5  | 638  | 338  | 250  | 63   | 43   | 3/4"      | 1,2                  |
| PGV 600x300-4-2,5  | 638  | 338  | 250  | 63   | 65   | 1"        | 2,4                  |
| PGV 600x350-2-2,5  | 638  | 388  | 300  | 63   | 43   | 3/4"      | 1,4                  |
| PGV 600x350-4-2,5  | 638  | 388  | 300  | 63   | 65   | 1"        | 2,8                  |
| PGV 700x400-2-2,5  | 738  | 438  | 350  | 61   | 47   | 1"        | 2,5                  |
| PGV 700x400-3-2,5  | 738  | 438  | 350  | 66   | 58   | 1"        | 3,6                  |
| PGV 800x500-2-2,5  | 838  | 538  | 450  | 61   | 47   | 1"        | 3,6                  |
| PGV 800x500-3-2,5  | 838  | 538  | 450  | 66   | 58   | 1"        | 5,1                  |
| PGV 1000x500-2-2,5 | 1038 | 538  | 450  | 61   | 47   | 1"        | 4,3                  |
| PGV 1000x500-3-2,5 | 1038 | 538  | 450  | 66   | 58   | 1"        | 6,2                  |
| PGV 1200x600-2-2,5 | 1238 | 638  | 545  | 61   | 47   | 1"        | 6,0                  |
| PGV 1200x600-3-2,5 | 1238 | 638  | 545  | 66   | 58   | 1 1/4"    | 8,9                  |



### Project design/ordering

#### Descriptive text for - PGV

VEAB type PGV duct heater with casing of Aluzinc-coated sheet steel, coil with copper tubes and aluminium fins. The duct heaters conform to air tightness class C to EN 15727. The heater is controlled by an external regulator, sensors, valves and actuators, which must be ordered separately.

**Type designation PGV 400×200 - 2 - 2.5**  
(example)

Size designation

Number of tube rows

Fin pitch, mm

#### Specify the following for project ordering:

- Air flow rate: - m<sup>3</sup>/h
- Inlet air temperature: - °C
- Outlet air temp. or required output: - °C or kW
- Duct size: - mm
- Inlet water temp.: - °C
- Outlet water temp. or water flow: - °C or l/sec
- Anti-freeze agent: - type / %

## Capacity PGV 400×200-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 576               | 22              | -5              | 25.4             | 6.4    | 0.08       | 1.9               | 15.6             | 4.4    | 0.05       | 1.0               | 17.6             | 4.8    | 0.12       | 4.2               |
| 576               | 22              | 0               | 28.4             | 5.9    | 0.07       | 1.7               | 18.4             | 3.8    | 0.05       | 0.8               | 20.6             | 4.3    | 0.10       | 3.4               |
| 576               | 21              | 5               | 31.4             | 5.4    | 0.07       | 1.4               | 21.2             | 3.3    | 0.04       | 0.6               | 23.5             | 3.8    | 0.09       | 2.7               |
| 576               | 21              | 10              | 34.3             | 4.9    | 0.06       | 1.2               | 23.8             | 2.8    | 0.03       | 0.5               | 26.3             | 3.3    | 0.08       | 2.1               |
| 576               | 21              | 15              | 37.2             | 4.4    | 0.05       | 1.0               | 26.1             | 2.2    | 0.03       | 0.3               | 29.1             | 2.8    | 0.07       | 1.6               |
| 864               | 44              | -5              | 21.1             | 8.3    | 0.10       | 3.1               | 12.7             | 5.6    | 0.07       | 1.6               | 14.5             | 6.2    | 0.15       | 6.7               |
| 864               | 43              | 0               | 24.4             | 7.6    | 0.09       | 2.6               | 15.9             | 5.0    | 0.06       | 1.3               | 17.8             | 5.5    | 0.13       | 5.5               |
| 864               | 42              | 5               | 27.7             | 6.9    | 0.09       | 2.2               | 19.0             | 4.3    | 0.05       | 1.0               | 20.9             | 4.9    | 0.12       | 4.3               |
| 864               | 42              | 10              | 30.9             | 6.3    | 0.08       | 1.8               | 22.0             | 3.6    | 0.04       | 0.7               | 24.1             | 4.2    | 0.10       | 3.4               |
| 864               | 41              | 15              | 34.1             | 5.6    | 0.07       | 1.5               | 24.9             | 2.9    | 0.04       | 0.5               | 27.2             | 3.6    | 0.09       | 2.5               |
| 1152              | 70              | -5              | 18.3             | 9.9    | 0.12       | 4.2               | 10.8             | 6.7    | 0.08       | 2.2               | 12.4             | 7.4    | 0.18       | 9.2               |
| 1152              | 69              | 0               | 21.8             | 9.0    | 0.11       | 3.6               | 14.2             | 5.9    | 0.07       | 1.7               | 15.8             | 6.6    | 0.16       | 7.5               |
| 1152              | 69              | 5               | 25.2             | 8.2    | 0.10       | 3.0               | 17.5             | 5.1    | 0.06       | 1.3               | 19.2             | 5.8    | 0.14       | 6.0               |
| 1152              | 68              | 10              | 28.6             | 7.5    | 0.09       | 2.5               | 20.7             | 4.3    | 0.05       | 1.0               | 22.6             | 5.0    | 0.12       | 4.6               |
| 1152              | 67              | 15              | 32.0             | 6.7    | 0.08       | 2.1               | 23.9             | 3.5    | 0.04       | 0.7               | 25.9             | 4.3    | 0.10       | 3.4               |

## Capacity PGV 400×200-4-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 576               | 46              | -5              | 42.6             | 10.1   | 0.12       | 1.3               | 26.6             | 6.7    | 0.08       | 0.7               | 30.3             | 7.5    | 0.18       | 2.9               |
| 576               | 45              | 0               | 44.4             | 9.2    | 0.11       | 1.1               | 27.9             | 5.8    | 0.07       | 0.5               | 32.0             | 6.7    | 0.16       | 2.3               |
| 576               | 44              | 5               | 46.1             | 8.4    | 0.10       | 0.9               | 28.7             | 4.8    | 0.06       | 0.4               | 33.7             | 5.8    | 0.14       | 1.8               |
| 576               | 43              | 10              | 47.8             | 7.6    | 0.09       | 0.8               | 28.0             | 3.6    | 0.04       | 0.2               | 35.2             | 5.1    | 0.12       | 1.4               |
| 576               | 42              | 15              | 49.3             | 6.8    | 0.08       | 0.6               | 29.4             | 2.8    | 0.03       | 0.1               | 36.7             | 4.3    | 0.10       | 1.0               |
| 864               | 90              | -5              | 37.3             | 13.4   | 0.16       | 2.2               | 23.3             | 9.0    | 0.11       | 1.1               | 26.5             | 10.0   | 0.24       | 4.9               |
| 864               | 88              | 0               | 39.5             | 12.3   | 0.15       | 1.9               | 25.1             | 7.8    | 0.10       | 0.9               | 28.6             | 8.9    | 0.22       | 3.9               |
| 864               | 87              | 5               | 41.6             | 11.2   | 0.14       | 1.6               | 26.8             | 6.7    | 0.08       | 0.6               | 30.6             | 7.8    | 0.19       | 3.1               |
| 864               | 85              | 10              | 43.6             | 10.1   | 0.12       | 1.3               | 28.2             | 5.5    | 0.07       | 0.5               | 32.5             | 6.8    | 0.16       | 2.4               |
| 864               | 84              | 15              | 45.6             | 9.0    | 0.11       | 1.1               | 28.3             | 3.9    | 0.05       | 0.3               | 34.4             | 5.7    | 0.14       | 1.7               |
| 1152              | 145             | -5              | 33.5             | 16.3   | 0.20       | 3.2               | 20.8             | 10.9   | 0.13       | 1.6               | 23.7             | 12.2   | 0.30       | 7.0               |
| 1152              | 142             | 0               | 35.9             | 14.9   | 0.18       | 2.7               | 23.0             | 9.6    | 0.12       | 1.2               | 26.1             | 10.8   | 0.26       | 5.7               |
| 1152              | 140             | 5               | 38.3             | 13.6   | 0.17       | 2.3               | 25.1             | 8.2    | 0.10       | 0.9               | 28.3             | 9.5    | 0.23       | 4.5               |
| 1152              | 138             | 10              | 40.6             | 12.3   | 0.15       | 1.9               | 26.9             | 6.8    | 0.08       | 0.7               | 30.6             | 8.2    | 0.20       | 3.4               |
| 1152              | 136             | 15              | 42.8             | 10.9   | 0.13       | 1.5               | 28.4             | 5.3    | 0.06       | 0.4               | 32.7             | 7.0    | 0.17       | 2.5               |

## Capacity PGV 500×250-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 900               | 22              | -5              | 26.7             | 10.5   | 0.13       | 5.9               | 17.3             | 7.4    | 0.09       | 3.3               | 18.5             | 7.8    | 0.19       | 12.8              |
| 900               | 22              | 0               | 29.8             | 9.7    | 0.12       | 5.1               | 20.2             | 6.5    | 0.08       | 2.7               | 21.4             | 7.0    | 0.17       | 10.5              |
| 900               | 22              | 5               | 32.7             | 8.8    | 0.11       | 4.3               | 23.0             | 5.7    | 0.07       | 2.1               | 24.4             | 6.2    | 0.15       | 8.4               |
| 900               | 21              | 10              | 35.7             | 8.0    | 0.10       | 3.7               | 25.8             | 4.9    | 0.06       | 1.6               | 27.2             | 5.4    | 0.13       | 6.6               |
| 900               | 21              | 15              | 38.6             | 7.2    | 0.09       | 3.0               | 28.5             | 4.2    | 0.05       | 1.2               | 30.0             | 4.6    | 0.11       | 5.0               |
| 1350              | 44              | -5              | 22.3             | 13.6   | 0.17       | 9.4               | 14.1             | 9.5    | 0.12       | 5.2               | 15.3             | 10.1   | 0.24       | 20.4              |
| 1350              | 43              | 0               | 25.6             | 12.5   | 0.15       | 8.1               | 17.3             | 8.4    | 0.10       | 4.2               | 18.5             | 9.0    | 0.22       | 16.7              |
| 1350              | 42              | 5               | 28.9             | 11.4   | 0.14       | 6.9               | 20.5             | 7.4    | 0.09       | 3.3               | 21.7             | 8.0    | 0.19       | 13.4              |
| 1350              | 42              | 10              | 32.1             | 10.4   | 0.13       | 5.8               | 23.6             | 6.4    | 0.08       | 2.5               | 24.8             | 7.0    | 0.17       | 10.5              |
| 1350              | 41              | 15              | 35.3             | 9.3    | 0.11       | 4.8               | 26.6             | 5.4    | 0.07       | 1.9               | 28.0             | 6.0    | 0.14       | 7.9               |
| 1800              | 71              | -5              | 19.4             | 16.1   | 0.20       | 12.9              | 12.0             | 11.3   | 0.14       | 7.1               | 13.1             | 12.0   | 0.29       | 28.1              |
| 1800              | 70              | 0               | 22.8             | 14.8   | 0.18       | 11.1              | 15.4             | 10.0   | 0.12       | 5.7               | 16.5             | 10.7   | 0.26       | 23.0              |
| 1800              | 69              | 5               | 26.3             | 13.6   | 0.17       | 9.4               | 18.8             | 8.8    | 0.11       | 4.5               | 19.9             | 9.5    | 0.23       | 18.4              |
| 1800              | 68              | 10              | 29.7             | 12.3   | 0.15       | 7.9               | 22.1             | 7.6    | 0.09       | 3.5               | 23.2             | 8.3    | 0.20       | 14.4              |
| 1800              | 67              | 15              | 33.1             | 11.1   | 0.14       | 6.6               | 25.4             | 6.4    | 0.08       | 2.5               | 26.6             | 7.1    | 0.17       | 10.9              |

## Capacity PGV 500×250-4-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 900               | 46              | -5              | 45.6             | 16.7   | 0.21       | 5.1               | 30.8             | 11.8   | 0.14       | 2.8               | 32.2             | 12.3   | 0.30       | 10.8              |
| 900               | 45              | 0               | 47.4             | 15.4   | 0.19       | 4.4               | 32.5             | 10.5   | 0.13       | 2.3               | 33.9             | 11.0   | 0.27       | 8.8               |
| 900               | 44              | 5               | 49.2             | 14.1   | 0.17       | 3.7               | 34.0             | 9.3    | 0.11       | 1.8               | 35.6             | 9.8    | 0.24       | 7.1               |
| 900               | 44              | 10              | 50.9             | 12.8   | 0.16       | 3.1               | 35.5             | 8.0    | 0.10       | 1.4               | 37.2             | 8.5    | 0.21       | 5.5               |
| 900               | 43              | 15              | 52.6             | 11.5   | 0.14       | 2.6               | 36.8             | 6.7    | 0.08       | 1.0               | 38.8             | 7.3    | 0.18       | 4.2               |
| 1350              | 90              | -5              | 40.0             | 22.3   | 0.27       | 8.6               | 26.8             | 15.8   | 0.19       | 4.7               | 28.2             | 16.5   | 0.40       | 18.4              |
| 1350              | 89              | 0               | 42.2             | 20.6   | 0.25       | 7.4               | 28.8             | 14.0   | 0.17       | 3.8               | 30.3             | 14.7   | 0.36       | 15.0              |
| 1350              | 87              | 5               | 44.3             | 18.8   | 0.23       | 6.3               | 30.8             | 12.3   | 0.15       | 3.0               | 32.3             | 13.1   | 0.32       | 12.0              |
| 1350              | 86              | 10              | 46.4             | 17.1   | 0.21       | 5.3               | 32.6             | 10.6   | 0.13       | 2.3               | 34.3             | 11.4   | 0.28       | 9.4               |
| 1350              | 84              | 15              | 48.4             | 15.4   | 0.19       | 4.3               | 34.4             | 8.9    | 0.11       | 1.7               | 36.2             | 9.8    | 0.24       | 7.1               |
| 1800              | 145             | -5              | 36.0             | 27.2   | 0.33       | 12.3              | 23.9             | 19.1   | 0.23       | 6.7               | 25.3             | 20.1   | 0.49       | 26.4              |
| 1800              | 143             | 0               | 38.5             | 25.0   | 0.31       | 10.5              | 26.2             | 17.0   | 0.21       | 5.4               | 27.7             | 18.0   | 0.44       | 21.6              |
| 1800              | 141             | 5               | 40.9             | 22.9   | 0.28       | 9.0               | 28.4             | 14.9   | 0.18       | 4.3               | 29.9             | 15.9   | 0.39       | 17.2              |
| 1800              | 139             | 10              | 43.2             | 20.7   | 0.25       | 7.5               | 30.6             | 12.9   | 0.16       | 3.3               | 32.2             | 13.9   | 0.34       | 13.5              |
| 1800              | 136             | 15              | 45.4             | 18.7   | 0.23       | 6.2               | 32.7             | 10.8   | 0.13       | 2.4               | 34.4             | 11.9   | 0.29       | 10.2              |

## Capacity PGV 500×300-2-2,5

| Water temp. |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow    | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m³/h        | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 1080        | 22              | -5              | 25,8             | 12,2   | 0,15       | 3,0               | 16,1             | 8,4    | 0,10       | 1,6               | 17,9             | 9,1    | 0,22       | 6,5               |
| 1080        | 22              | 0               | 28,8             | 11,2   | 0,14       | 2,6               | 19,0             | 7,4    | 0,09       | 1,3               | 20,9             | 8,1    | 0,20       | 5,3               |
| 1080        | 22              | 5               | 31,8             | 10,3   | 0,13       | 2,2               | 21,8             | 6,4    | 0,08       | 1,0               | 23,8             | 7,2    | 0,17       | 4,2               |
| 1080        | 21              | 10              | 34,7             | 9,3    | 0,11       | 1,8               | 24,5             | 5,4    | 0,07       | 0,7               | 26,6             | 6,2    | 0,15       | 3,3               |
| 1080        | 21              | 15              | 37,6             | 8,3    | 0,10       | 1,5               | 27,0             | 4,4    | 0,05       | 0,5               | 29,4             | 5,3    | 0,13       | 2,4               |
| 1620        | 44              | -5              | 21,5             | 15,8   | 0,19       | 4,8               | 13,1             | 10,8   | 0,13       | 2,5               | 14,7             | 11,8   | 0,29       | 10,4              |
| 1620        | 43              | 0               | 24,8             | 14,5   | 0,18       | 4,1               | 16,3             | 9,5    | 0,12       | 2,0               | 18,0             | 10,5   | 0,25       | 8,5               |
| 1620        | 42              | 5               | 28,0             | 13,2   | 0,16       | 3,4               | 19,5             | 8,3    | 0,10       | 1,5               | 21,2             | 9,3    | 0,22       | 6,7               |
| 1620        | 42              | 10              | 31,3             | 12,0   | 0,15       | 2,9               | 22,5             | 7,1    | 0,09       | 1,2               | 24,3             | 8,1    | 0,20       | 5,2               |
| 1620        | 41              | 15              | 34,4             | 10,7   | 0,13       | 2,4               | 25,5             | 5,8    | 0,07       | 0,8               | 27,4             | 6,9    | 0,17       | 3,9               |
| 2160        | 70              | -5              | 18,6             | 18,7   | 0,23       | 6,5               | 11,2             | 12,8   | 0,16       | 3,4               | 12,6             | 14,0   | 0,34       | 14,4              |
| 2160        | 70              | 0               | 22,1             | 17,2   | 0,21       | 5,6               | 14,6             | 11,3   | 0,14       | 2,7               | 16,1             | 12,5   | 0,30       | 11,7              |
| 2160        | 69              | 5               | 25,5             | 15,7   | 0,19       | 4,7               | 17,9             | 9,9    | 0,12       | 2,1               | 19,4             | 11,0   | 0,27       | 9,3               |
| 2160        | 68              | 10              | 28,9             | 14,2   | 0,17       | 3,9               | 21,2             | 8,4    | 0,10       | 1,6               | 22,8             | 9,6    | 0,23       | 7,2               |
| 2160        | 67              | 15              | 32,3             | 12,8   | 0,16       | 3,2               | 24,4             | 6,9    | 0,08       | 1,1               | 26,1             | 8,2    | 0,20       | 5,3               |

## Capacity PGV 500×300-4-2,5

| Water temp. |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow    | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m³/h        | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 1080        | 46              | -5              | 45,7             | 20,1   | 0,25       | 6,0               | 30,9             | 14,3   | 0,17       | 3,3               | 32,2             | 14,8   | 0,36       | 12,8              |
| 1080        | 45              | 0               | 47,5             | 18,5   | 0,23       | 5,1               | 32,6             | 12,7   | 0,15       | 2,7               | 34,0             | 13,2   | 0,32       | 10,4              |
| 1080        | 44              | 5               | 49,3             | 16,9   | 0,21       | 4,4               | 34,2             | 11,2   | 0,14       | 2,1               | 35,7             | 11,7   | 0,28       | 8,4               |
| 1080        | 44              | 10              | 51,0             | 15,4   | 0,19       | 3,7               | 35,7             | 9,6    | 0,12       | 1,6               | 37,3             | 10,2   | 0,25       | 6,5               |
| 1080        | 43              | 15              | 52,7             | 13,9   | 0,17       | 3,0               | 37,0             | 8,1    | 0,10       | 1,2               | 38,9             | 8,8    | 0,21       | 4,9               |
| 1620        | 90              | -5              | 40,1             | 26,9   | 0,33       | 10,2              | 26,9             | 19,0   | 0,23       | 5,6               | 28,3             | 19,8   | 0,48       | 21,8              |
| 1620        | 89              | 0               | 42,3             | 24,7   | 0,30       | 8,7               | 28,9             | 16,9   | 0,21       | 4,5               | 30,3             | 17,7   | 0,43       | 17,8              |
| 1620        | 87              | 5               | 44,4             | 22,6   | 0,28       | 7,4               | 30,9             | 14,9   | 0,18       | 3,6               | 32,4             | 15,7   | 0,38       | 14,2              |
| 1620        | 86              | 10              | 46,5             | 20,6   | 0,25       | 6,2               | 32,8             | 12,8   | 0,16       | 2,8               | 34,4             | 13,7   | 0,33       | 11,1              |
| 1620        | 84              | 15              | 48,5             | 18,5   | 0,23       | 5,1               | 34,5             | 10,8   | 0,13       | 2,0               | 36,3             | 11,8   | 0,29       | 8,4               |
| 2160        | 146             | -5              | 36,1             | 32,7   | 0,40       | 14,6              | 24,0             | 23,0   | 0,28       | 8,0               | 25,4             | 24,1   | 0,58       | 31,3              |
| 2160        | 143             | 0               | 38,6             | 30,0   | 0,37       | 12,5              | 26,3             | 20,5   | 0,25       | 6,5               | 27,7             | 21,6   | 0,52       | 25,6              |
| 2160        | 141             | 5               | 40,9             | 27,5   | 0,34       | 10,6              | 28,5             | 18,0   | 0,22       | 5,1               | 30,0             | 19,1   | 0,46       | 20,4              |
| 2160        | 139             | 10              | 43,3             | 25,0   | 0,31       | 8,9               | 30,7             | 15,5   | 0,19       | 3,9               | 32,2             | 16,7   | 0,41       | 15,9              |
| 2160        | 136             | 15              | 45,5             | 22,5   | 0,28       | 7,3               | 32,8             | 13,1   | 0,16       | 2,9               | 34,4             | 14,3   | 0,35       | 12,0              |

## Capacity PGV 600×300-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 1296              | 22              | -5              | 26,4             | 14,9   | 0,18       | 3,6               | 16,8             | 10,4   | 0,13       | 2,0               | 18,3             | 11,1   | 0,27       | 7,8               |
| 1296              | 22              | 0               | 29,4             | 13,7   | 0,17       | 3,1               | 19,7             | 9,2    | 0,11       | 1,6               | 21,2             | 9,9    | 0,24       | 6,4               |
| 1296              | 22              | 5               | 32,4             | 12,6   | 0,15       | 2,6               | 22,5             | 8,0    | 0,10       | 1,3               | 24,1             | 8,8    | 0,21       | 5,1               |
| 1296              | 21              | 10              | 35,3             | 11,4   | 0,14       | 2,2               | 25,3             | 6,9    | 0,08       | 1,0               | 27,0             | 7,6    | 0,19       | 4,0               |
| 1296              | 21              | 15              | 38,2             | 10,3   | 0,13       | 1,8               | 28,0             | 5,7    | 0,07       | 0,7               | 29,8             | 6,5    | 0,16       | 3,0               |
| 1944              | 44              | -5              | 22,0             | 19,3   | 0,24       | 5,7               | 13,7             | 13,4   | 0,16       | 3,1               | 15,1             | 14,3   | 0,35       | 12,4              |
| 1944              | 43              | 0               | 25,3             | 17,7   | 0,22       | 4,9               | 16,9             | 11,9   | 0,14       | 2,5               | 18,3             | 12,8   | 0,31       | 10,2              |
| 1944              | 42              | 5               | 28,5             | 16,2   | 0,20       | 4,2               | 20,1             | 10,4   | 0,13       | 2,0               | 21,5             | 11,3   | 0,28       | 8,1               |
| 1944              | 42              | 10              | 31,8             | 14,7   | 0,18       | 3,5               | 23,2             | 8,9    | 0,11       | 1,5               | 24,6             | 9,9    | 0,24       | 6,3               |
| 1944              | 41              | 15              | 34,9             | 13,2   | 0,16       | 2,9               | 26,2             | 7,4    | 0,09       | 1,1               | 27,7             | 8,4    | 0,20       | 4,8               |
| 2592              | 71              | -5              | 19,0             | 22,9   | 0,28       | 7,8               | 11,7             | 15,9   | 0,19       | 4,2               | 12,9             | 17,1   | 0,41       | 17,1              |
| 2592              | 70              | 0               | 22,5             | 21,1   | 0,26       | 6,7               | 15,1             | 14,1   | 0,17       | 3,4               | 16,3             | 15,3   | 0,37       | 14,0              |
| 2592              | 69              | 5               | 26,0             | 19,3   | 0,24       | 5,7               | 18,4             | 12,3   | 0,15       | 2,7               | 19,7             | 13,5   | 0,33       | 11,2              |
| 2592              | 68              | 10              | 29,4             | 17,5   | 0,21       | 4,8               | 21,7             | 10,6   | 0,13       | 2,0               | 23,1             | 11,8   | 0,29       | 8,7               |
| 2592              | 67              | 15              | 32,8             | 15,7   | 0,19       | 3,9               | 25,0             | 8,8    | 0,11       | 1,5               | 26,4             | 10,1   | 0,24       | 6,5               |

## Capacity PGV 600×300-4-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 1296              | 45              | -5              | 46,6             | 24,1   | 0,30       | 6,5               | 31,7             | 17,5   | 0,21       | 3,9               | 32,6             | 17,9   | 0,43       | 14,2              |
| 1296              | 45              | 0               | 48,4             | 22,2   | 0,27       | 5,6               | 33,3             | 15,6   | 0,19       | 3,2               | 34,4             | 16,1   | 0,39       | 11,7              |
| 1296              | 44              | 5               | 50,2             | 20,3   | 0,25       | 4,8               | 34,9             | 13,7   | 0,17       | 2,5               | 36,0             | 14,2   | 0,35       | 9,4               |
| 1296              | 43              | 10              | 51,9             | 18,5   | 0,23       | 4,1               | 36,5             | 11,9   | 0,14       | 2,0               | 37,7             | 12,5   | 0,30       | 7,4               |
| 1296              | 42              | 15              | 53,5             | 16,7   | 0,20       | 3,4               | 37,9             | 10,1   | 0,12       | 1,5               | 39,2             | 10,7   | 0,26       | 5,6               |
| 1944              | 90              | -5              | 40,7             | 32,6   | 0,40       | 11,3              | 27,5             | 23,2   | 0,28       | 6,4               | 28,6             | 24,0   | 0,58       | 24,2              |
| 1944              | 89              | 0               | 42,8             | 30,1   | 0,37       | 9,8               | 29,6             | 20,7   | 0,25       | 5,2               | 30,7             | 21,5   | 0,52       | 19,8              |
| 1944              | 87              | 5               | 45,0             | 27,5   | 0,34       | 8,3               | 31,6             | 18,3   | 0,22       | 4,2               | 32,7             | 19,1   | 0,46       | 15,9              |
| 1944              | 86              | 10              | 47,1             | 25,0   | 0,31       | 7,0               | 33,5             | 15,9   | 0,19       | 3,2               | 34,7             | 16,7   | 0,40       | 12,5              |
| 1944              | 84              | 15              | 49,1             | 22,6   | 0,28       | 5,8               | 35,3             | 13,5   | 0,16       | 2,4               | 36,6             | 14,3   | 0,35       | 9,5               |
| 2592              | 146             | -5              | 36,7             | 39,7   | 0,49       | 16,2              | 24,6             | 28,2   | 0,34       | 9,1               | 25,7             | 29,3   | 0,71       | 34,6              |
| 2592              | 143             | 0               | 39,1             | 36,5   | 0,45       | 13,9              | 26,9             | 25,2   | 0,31       | 7,4               | 28,0             | 26,2   | 0,64       | 28,4              |
| 2592              | 141             | 5               | 41,5             | 33,5   | 0,41       | 11,9              | 29,2             | 22,2   | 0,27       | 5,9               | 30,3             | 23,2   | 0,56       | 22,8              |
| 2592              | 139             | 10              | 43,8             | 30,4   | 0,37       | 10,0              | 31,3             | 19,2   | 0,23       | 4,6               | 32,6             | 20,3   | 0,49       | 17,9              |
| 2592              | 137             | 15              | 46,0             | 27,5   | 0,34       | 8,3               | 33,4             | 16,3   | 0,20       | 3,4               | 34,8             | 17,5   | 0,42       | 13,6              |

## Capacity PGV 600×350-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 1512              | 22              | -5              | 26.3             | 17.4   | 0.21       | 4.7               | 16.7             | 12.1   | 0.15       | 2.5               | 18.2             | 12.9   | 0.31       | 10.2              |
| 1512              | 22              | 0               | 29.3             | 16.0   | 0.20       | 4.0               | 19.6             | 10.7   | 0.13       | 2.0               | 21.2             | 11.5   | 0.28       | 8.3               |
| 1512              | 22              | 5               | 32.3             | 14.6   | 0.18       | 3.4               | 22.4             | 9.3    | 0.11       | 1.6               | 24.1             | 10.2   | 0.25       | 6.7               |
| 1512              | 21              | 10              | 35.2             | 13.3   | 0.16       | 2.9               | 25.2             | 8.0    | 0.10       | 1.2               | 26.9             | 8.9    | 0.22       | 5.2               |
| 1512              | 21              | 15              | 38.1             | 11.9   | 0.15       | 2.4               | 27.8             | 6.6    | 0.08       | 0.9               | 29.7             | 7.6    | 0.18       | 3.9               |
| 2268              | 44              | -5              | 21.9             | 22.4   | 0.27       | 7.5               | 13.6             | 15.5   | 0.19       | 4.0               | 15.0             | 16.7   | 0.40       | 16.5              |
| 2268              | 43              | 0               | 25.2             | 20.6   | 0.25       | 6.5               | 16.8             | 13.8   | 0.17       | 3.2               | 18.2             | 14.9   | 0.36       | 13.4              |
| 2268              | 42              | 5               | 28.5             | 18.8   | 0.23       | 5.5               | 20.0             | 12.0   | 0.15       | 2.5               | 21.4             | 13.2   | 0.32       | 10.7              |
| 2268              | 42              | 10              | 31.7             | 17.1   | 0.21       | 4.6               | 23.1             | 10.3   | 0.13       | 1.9               | 24.6             | 11.5   | 0.28       | 8.3               |
| 2268              | 41              | 15              | 34.9             | 15.4   | 0.19       | 3.8               | 26.1             | 8.6    | 0.10       | 1.4               | 27.7             | 9.8    | 0.24       | 6.2               |
| 3024              | 71              | -5              | 19.0             | 26.7   | 0.33       | 10.4              | 11.6             | 18.5   | 0.22       | 5.5               | 12.9             | 19.9   | 0.48       | 22.7              |
| 3024              | 70              | 0               | 22.5             | 24.5   | 0.30       | 8.9               | 15.0             | 16.4   | 0.20       | 4.4               | 16.3             | 17.8   | 0.43       | 18.5              |
| 3024              | 69              | 5               | 25.9             | 22.4   | 0.27       | 7.5               | 18.4             | 14.3   | 0.17       | 3.4               | 19.7             | 15.7   | 0.38       | 14.7              |
| 3024              | 68              | 10              | 29.3             | 20.3   | 0.25       | 6.3               | 21.7             | 12.2   | 0.15       | 2.6               | 23.0             | 13.7   | 0.33       | 11.4              |
| 3024              | 67              | 15              | 32.7             | 18.3   | 0.22       | 5.2               | 24.9             | 10.2   | 0.12       | 1.9               | 26.3             | 11.7   | 0.28       | 8.5               |

## Capacity PGV 600×350-4-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 1512              | 46              | -5              | 46.4             | 28.6   | 0.35       | 7.4               | 31.7             | 20.4   | 0.25       | 4.2               | 32.6             | 20.9   | 0.51       | 15.7              |
| 1512              | 45              | 0               | 48.2             | 26.3   | 0.32       | 6.4               | 33.4             | 18.2   | 0.22       | 3.5               | 34.4             | 18.8   | 0.46       | 12.8              |
| 1512              | 44              | 5               | 50.0             | 24.1   | 0.30       | 5.4               | 35.0             | 16.1   | 0.20       | 2.8               | 36.1             | 16.6   | 0.40       | 10.3              |
| 1512              | 44              | 10              | 51.7             | 21.9   | 0.27       | 4.6               | 36.6             | 14.0   | 0.17       | 2.2               | 37.7             | 14.6   | 0.35       | 8.1               |
| 1512              | 43              | 15              | 53.4             | 19.8   | 0.24       | 3.8               | 38.0             | 11.8   | 0.14       | 1.6               | 39.3             | 12.5   | 0.30       | 6.2               |
| 2268              | 90              | -5              | 40.7             | 38.1   | 0.47       | 12.5              | 27.6             | 27.2   | 0.33       | 7.1               | 28.6             | 28.0   | 0.68       | 26.6              |
| 2268              | 89              | 0               | 42.9             | 35.1   | 0.43       | 10.7              | 29.6             | 24.3   | 0.29       | 5.8               | 30.7             | 25.1   | 0.61       | 21.8              |
| 2268              | 87              | 5               | 45.0             | 32.2   | 0.39       | 9.2               | 31.6             | 21.4   | 0.26       | 4.6               | 32.7             | 22.3   | 0.54       | 17.5              |
| 2268              | 86              | 10              | 47.1             | 29.3   | 0.36       | 7.7               | 33.5             | 18.6   | 0.23       | 3.6               | 34.7             | 19.5   | 0.47       | 13.8              |
| 2268              | 84              | 15              | 49.1             | 26.4   | 0.32       | 6.4               | 35.4             | 15.8   | 0.19       | 2.7               | 36.7             | 16.8   | 0.41       | 10.5              |
| 3024              | 146             | -5              | 36.7             | 46.4   | 0.57       | 17.8              | 24.7             | 33.0   | 0.40       | 10.0              | 25.7             | 34.2   | 0.83       | 38.2              |
| 3024              | 143             | 0               | 39.1             | 42.7   | 0.52       | 15.3              | 27.0             | 29.4   | 0.36       | 8.2               | 28.1             | 30.6   | 0.74       | 31.3              |
| 3024              | 141             | 5               | 41.5             | 39.1   | 0.48       | 13.1              | 29.2             | 25.9   | 0.32       | 6.5               | 30.4             | 27.2   | 0.66       | 25.1              |
| 3024              | 139             | 10              | 43.8             | 35.6   | 0.44       | 11.0              | 31.4             | 22.5   | 0.27       | 5.0               | 32.6             | 23.8   | 0.58       | 19.7              |
| 3024              | 137             | 15              | 46.1             | 32.1   | 0.39       | 9.1               | 33.5             | 19.1   | 0.23       | 3.8               | 34.8             | 20.4   | 0.50       | 15.0              |

## Capacity PGV 700×400-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 2016              | 26              | -5              | 31.6             | 27.1   | 0.33       | 4.1               | 20.2             | 18.7   | 0.23       | 2.1               | 22.2             | 20.2   | 0.49       | 8.8               |
| 2016              | 26              | 0               | 34.2             | 24.9   | 0.31       | 3.5               | 22.8             | 16.6   | 0.20       | 1.7               | 24.8             | 18.0   | 0.44       | 7.2               |
| 2016              | 25              | 5               | 36.8             | 22.7   | 0.28       | 2.9               | 25.2             | 14.4   | 0.18       | 1.3               | 27.3             | 15.9   | 0.39       | 5.7               |
| 2016              | 25              | 10              | 39.4             | 20.6   | 0.25       | 2.5               | 27.6             | 12.3   | 0.15       | 1.0               | 29.7             | 13.8   | 0.34       | 4.4               |
| 2016              | 24              | 15              | 41.9             | 18.5   | 0.23       | 2.0               | 29.8             | 10.2   | 0.12       | 0.7               | 32.1             | 11.8   | 0.29       | 3.3               |
| 3024              | 51              | -5              | 26.2             | 34.7   | 0.43       | 6.4               | 16.5             | 23.9   | 0.29       | 3.4               | 18.3             | 25.9   | 0.63       | 14.0              |
| 3024              | 50              | 0               | 29.2             | 31.9   | 0.39       | 5.5               | 19.4             | 21.1   | 0.26       | 2.7               | 21.2             | 23.1   | 0.56       | 11.4              |
| 3024              | 49              | 5               | 32.2             | 29.1   | 0.36       | 4.6               | 22.2             | 18.4   | 0.22       | 2.1               | 24.1             | 20.4   | 0.50       | 9.1               |
| 3024              | 49              | 10              | 35.1             | 26.3   | 0.32       | 3.9               | 25.0             | 18.7   | 0.19       | 1.6               | 26.9             | 17.7   | 0.43       | 7.0               |
| 3024              | 48              | 15              | 37.9             | 23.6   | 0.29       | 3.2               | 27.6             | 13.0   | 0.16       | 1.1               | 29.7             | 15.1   | 0.37       | 5.2               |
| 4032              | 82              | -5              | 22.7             | 41.1   | 0.50       | 8.7               | 14.0             | 28.2   | 0.34       | 4.5               | 15.7             | 30.7   | 0.74       | 19.2              |
| 4032              | 81              | 0               | 25.9             | 37.7   | 0.46       | 7.5               | 17.1             | 24.9   | 0.30       | 3.6               | 18.8             | 27.4   | 0.66       | 15.6              |
| 4032              | 80              | 5               | 29.1             | 34.4   | 0.42       | 6.3               | 20.2             | 21.7   | 0.26       | 2.8               | 21.9             | 24.2   | 0.59       | 12.4              |
| 4032              | 79              | 10              | 32.2             | 31.1   | 0.38       | 5.2               | 23.2             | 18.5   | 0.23       | 2.1               | 25.0             | 21.0   | 0.51       | 9.5               |
| 4032              | 78              | 15              | 35.3             | 27.9   | 0.34       | 4.3               | 26.2             | 15.4   | 0.19       | 1.5               | 28.0             | 17.9   | 0.43       | 7.1               |

## Capacity PGV 700×400-3-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 2016              | 40              | -5              | 42.4             | 35.1   | 0.43       | 3.8               | 27.7             | 24.3   | 0.29       | 2.0               | 30.1             | 26.0   | 0.63       | 8.3               |
| 2016              | 39              | 0               | 44.3             | 32.2   | 0.39       | 3.3               | 29.5             | 21.4   | 0.26       | 1.6               | 31.9             | 23.2   | 0.56       | 6.7               |
| 2016              | 38              | 5               | 46.2             | 29.4   | 0.36       | 2.8               | 31.1             | 18.6   | 0.23       | 1.2               | 33.7             | 20.5   | 0.50       | 5.3               |
| 2016              | 38              | 10              | 47.9             | 26.6   | 0.33       | 2.3               | 32.7             | 15.9   | 0.19       | 0.9               | 35.4             | 17.8   | 0.43       | 4.1               |
| 2016              | 37              | 15              | 49.7             | 23.9   | 0.29       | 1.9               | 34.0             | 13.1   | 0.16       | 0.7               | 37.0             | 15.2   | 0.37       | 3.1               |
| 3024              | 78              | -5              | 36.3             | 46.0   | 0.56       | 6.3               | 23.5             | 31.6   | 0.38       | 3.3               | 25.7             | 34.2   | 0.83       | 13.8              |
| 3024              | 76              | 0               | 38.6             | 42.2   | 0.52       | 5.4               | 25.6             | 28.0   | 0.34       | 2.6               | 27.9             | 30.5   | 0.74       | 11.1              |
| 3024              | 75              | 5               | 40.9             | 38.4   | 0.47       | 4.5               | 27.7             | 24.3   | 0.30       | 2.0               | 30.1             | 26.9   | 0.65       | 8.8               |
| 3024              | 74              | 10              | 43.1             | 34.8   | 0.43       | 3.8               | 29.7             | 20.7   | 0.25       | 1.5               | 32.2             | 23.4   | 0.57       | 6.8               |
| 3024              | 73              | 15              | 45.2             | 31.2   | 0.38       | 3.1               | 31.6             | 17.1   | 0.21       | 1.1               | 34.3             | 19.9   | 0.48       | 5.1               |
| 4032              | 125             | -5              | 32.2             | 55.1   | 0.68       | 8.9               | 20.5             | 37.8   | 0.46       | 4.6               | 22.7             | 41.1   | 1.00       | 19.4              |
| 4032              | 124             | 0               | 34.8             | 50.6   | 0.62       | 7.6               | 23.0             | 33.4   | 0.41       | 3.6               | 25.2             | 36.7   | 0.89       | 15.7              |
| 4032              | 122             | 5               | 37.3             | 46.1   | 0.57       | 6.4               | 25.4             | 29.1   | 0.35       | 2.8               | 27.6             | 32.3   | 0.78       | 12.4              |
| 4032              | 120             | 10              | 39.8             | 41.7   | 0.51       | 5.3               | 27.7             | 24.8   | 0.30       | 2.1               | 30.0             | 28.1   | 0.68       | 9.6               |
| 4032              | 118             | 15              | 42.2             | 37.4   | 0.46       | 4.3               | 29.9             | 20.5   | 0.25       | 1.5               | 32.4             | 23.9   | 0.58       | 7.1               |

## Capacity PGV 800×500-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 2880              | 26              | -5              | 31.7             | 38.8   | 0.48       | 5.3               | 20.3             | 26.8   | 0.33       | 2.8               | 22.2             | 28.8   | 0.70       | 11.5              |
| 2880              | 26              | 0               | 34.3             | 35.6   | 0.44       | 4.5               | 22.9             | 23.7   | 0.29       | 2.2               | 24.8             | 25.8   | 0.62       | 9.3               |
| 2880              | 25              | 5               | 36.9             | 32.5   | 0.40       | 3.8               | 25.3             | 20.7   | 0.25       | 1.7               | 27.3             | 22.8   | 0.55       | 7.4               |
| 2880              | 25              | 10              | 39.4             | 29.5   | 0.36       | 3.2               | 27.7             | 17.7   | 0.22       | 1.3               | 29.8             | 19.8   | 0.48       | 5.7               |
| 2880              | 24              | 15              | 41.9             | 26.5   | 0.32       | 2.6               | 30.0             | 14.7   | 0.18       | 0.9               | 32.2             | 16.9   | 0.41       | 4.3               |
| 4320              | 51              | -5              | 26.3             | 49.7   | 0.61       | 8.3               | 16.6             | 34.3   | 0.42       | 4.3               | 18.3             | 37.1   | 0.90       | 18.3              |
| 4320              | 50              | 0               | 29.3             | 45.6   | 0.56       | 7.1               | 19.4             | 30.3   | 0.37       | 3.5               | 21.2             | 33.1   | 0.80       | 14.8              |
| 4320              | 49              | 5               | 32.2             | 41.6   | 0.51       | 6.0               | 22.3             | 26.4   | 0.32       | 2.7               | 24.1             | 29.2   | 0.71       | 11.8              |
| 4320              | 49              | 10              | 35.1             | 37.7   | 0.46       | 5.0               | 25.0             | 22.6   | 0.27       | 2.0               | 26.9             | 25.4   | 0.62       | 9.1               |
| 4320              | 48              | 15              | 38.0             | 33.9   | 0.42       | 4.1               | 27.7             | 18.8   | 0.23       | 1.4               | 29.7             | 21.7   | 0.53       | 6.8               |
| 5760              | 82              | -5              | 22.8             | 58.8   | 0.72       | 11.4              | 14.1             | 40.4   | 0.49       | 5.9               | 15.7             | 43.9   | 1.07       | 25.1              |
| 5760              | 81              | 0               | 26.0             | 54.0   | 0.66       | 9.7               | 17.2             | 35.8   | 0.43       | 4.7               | 18.9             | 39.2   | 0.95       | 20.3              |
| 5760              | 80              | 5               | 29.2             | 49.3   | 0.60       | 8.2               | 20.3             | 31.2   | 0.38       | 3.6               | 22.0             | 34.6   | 0.84       | 16.1              |
| 5760              | 79              | 10              | 32.3             | 44.6   | 0.55       | 6.8               | 23.3             | 26.6   | 0.32       | 2.7               | 25.0             | 30.1   | 0.73       | 12.4              |
| 5760              | 78              | 15              | 35.4             | 40.0   | 0.49       | 5.6               | 26.3             | 22.1   | 0.27       | 1.9               | 28.1             | 25.7   | 0.62       | 9.2               |

## Capacity PGV 800×500-3-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 2880              | 40              | -5              | 43.0             | 50.8   | 0.62       | 6.6               | 28.5             | 35.5   | 0.43       | 3.5               | 30.5             | 37.6   | 0.91       | 14.2              |
| 2880              | 39              | 0               | 44.9             | 46.7   | 0.57       | 5.6               | 30.3             | 31.4   | 0.38       | 2.8               | 32.3             | 33.5   | 0.81       | 11.5              |
| 2880              | 38              | 5               | 46.8             | 42.6   | 0.52       | 4.7               | 31.9             | 27.5   | 0.33       | 2.2               | 34.1             | 29.6   | 0.72       | 9.1               |
| 2880              | 38              | 10              | 48.6             | 38.7   | 0.47       | 4.0               | 33.5             | 23.6   | 0.29       | 1.6               | 35.8             | 25.8   | 0.63       | 7.1               |
| 2880              | 37              | 15              | 50.3             | 34.7   | 0.43       | 3.2               | 35.0             | 19.6   | 0.24       | 1.2               | 37.5             | 22.1   | 0.54       | 5.3               |
| 4320              | 78              | -5              | 36.9             | 66.6   | 0.82       | 10.9              | 24.2             | 46.3   | 0.56       | 5.7               | 26.1             | 49.4   | 1.20       | 23.6              |
| 4320              | 77              | 0               | 39.2             | 61.2   | 0.75       | 9.3               | 26.3             | 41.0   | 0.50       | 4.6               | 28.3             | 44.1   | 1.07       | 19.1              |
| 4320              | 75              | 5               | 41.5             | 55.8   | 0.68       | 7.8               | 28.4             | 35.8   | 0.44       | 3.5               | 30.5             | 39.0   | 0.95       | 15.2              |
| 4320              | 74              | 10              | 43.7             | 50.6   | 0.62       | 6.5               | 30.5             | 30.7   | 0.37       | 2.7               | 32.6             | 33.9   | 0.82       | 11.7              |
| 4320              | 73              | 15              | 45.8             | 45.5   | 0.56       | 5.3               | 32.4             | 25.6   | 0.31       | 1.9               | 34.7             | 29.0   | 0.70       | 8.7               |
| 5760              | 126             | -5              | 32.8             | 80.0   | 0.98       | 15.3              | 21.2             | 55.4   | 0.67       | 8.0               | 23.1             | 59.4   | 1.44       | 33.4              |
| 5760              | 124             | 0               | 35.3             | 73.4   | 0.90       | 13.1              | 23.6             | 49.1   | 0.60       | 6.4               | 25.5             | 53.1   | 1.29       | 27.1              |
| 5760              | 122             | 5               | 37.8             | 67.0   | 0.82       | 11.0              | 26.0             | 42.9   | 0.52       | 4.9               | 28.0             | 46.9   | 1.14       | 21.4              |
| 5760              | 120             | 10              | 40.3             | 60.7   | 0.74       | 9.2               | 28.3             | 36.7   | 0.45       | 3.7               | 30.4             | 40.8   | 0.99       | 16.5              |
| 5760              | 118             | 15              | 42.7             | 54.5   | 0.67       | 7.5               | 30.6             | 30.6   | 0.37       | 2.7               | 32.7             | 34.8   | 0.84       | 12.3              |

## Capacity PGV 1000×500-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 3600              | 26              | -5              | 32.4             | 49.5   | 0.61       | 8.8               | 21.2             | 34.7   | 0.42       | 4.7               | 22.7             | 36.7   | 0.89       | 19.0              |
| 3600              | 26              | 0               | 35.1             | 45.6   | 0.56       | 7.5               | 23.8             | 30.9   | 0.37       | 3.8               | 25.3             | 32.8   | 0.80       | 15.4              |
| 3600              | 25              | 5               | 37.7             | 41.6   | 0.51       | 6.4               | 26.2             | 27.1   | 0.33       | 3.0               | 27.8             | 29.1   | 0.70       | 12.3              |
| 3600              | 25              | 10              | 40.2             | 37.8   | 0.46       | 5.3               | 28.6             | 23.3   | 0.28       | 2.3               | 30.3             | 25.4   | 0.61       | 9.6               |
| 3600              | 24              | 15              | 42.7             | 34.0   | 0.42       | 4.4               | 30.9             | 19.6   | 0.24       | 1.7               | 32.7             | 21.7   | 0.53       | 7.2               |
| 5400              | 51              | -5              | 27.0             | 63.5   | 0.78       | 13.9              | 17.4             | 44.4   | 0.54       | 7.4               | 18.8             | 47.2   | 1.14       | 30.2              |
| 5400              | 50              | 0               | 30.0             | 58.4   | 0.72       | 11.9              | 20.2             | 39.4   | 0.48       | 5.9               | 21.7             | 42.2   | 1.02       | 24.6              |
| 5400              | 50              | 5               | 32.9             | 53.4   | 0.65       | 10.1              | 23.1             | 34.5   | 0.42       | 4.7               | 24.5             | 37.4   | 0.91       | 19.6              |
| 5400              | 49              | 10              | 35.8             | 48.5   | 0.59       | 8.4               | 25.8             | 29.7   | 0.36       | 3.5               | 27.4             | 32.6   | 0.79       | 15.2              |
| 5400              | 48              | 15              | 38.7             | 43.6   | 0.53       | 6.9               | 28.6             | 25.0   | 0.30       | 2.6               | 30.1             | 27.9   | 0.68       | 11.4              |
| 7200              | 82              | -5              | 23.4             | 75.2   | 0.92       | 19.0              | 14.8             | 52.4   | 0.64       | 10.1              | 16.1             | 56.0   | 1.36       | 41.6              |
| 7200              | 81              | 0               | 26.6             | 69.1   | 0.85       | 16.3              | 17.9             | 46.5   | 0.57       | 8.1               | 19.3             | 50.1   | 1.22       | 33.8              |
| 7200              | 80              | 5               | 29.8             | 63.2   | 0.77       | 13.8              | 21.0             | 40.8   | 0.50       | 6.3               | 22.4             | 44.3   | 1.07       | 26.9              |
| 7200              | 79              | 10              | 32.9             | 57.3   | 0.70       | 11.5              | 24.0             | 35.1   | 0.43       | 4.8               | 25.4             | 38.6   | 0.94       | 20.8              |
| 7200              | 78              | 15              | 36.0             | 51.6   | 0.63       | 9.5               | 27.0             | 29.4   | 0.36       | 3.5               | 28.4             | 33.0   | 0.80       | 15.6              |

## Capacity PGV 1000×500-3-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 3600              | 40              | -5              | 43.9             | 64.7   | 0.79       | 10.8              | 29.6             | 45.8   | 0.56       | 5.8               | 31.0             | 47.7   | 1.16       | 23.0              |
| 3600              | 39              | 0               | 45.8             | 59.5   | 0.73       | 9.2               | 31.4             | 40.7   | 0.50       | 4.7               | 32.9             | 42.7   | 1.04       | 18.7              |
| 3600              | 38              | 5               | 47.7             | 54.5   | 0.67       | 7.8               | 33.1             | 35.8   | 0.44       | 3.7               | 34.6             | 37.8   | 0.92       | 14.9              |
| 3600              | 38              | 10              | 49.5             | 49.5   | 0.61       | 6.5               | 34.7             | 30.9   | 0.38       | 2.8               | 36.4             | 33.0   | 0.80       | 11.6              |
| 3600              | 37              | 15              | 51.3             | 44.6   | 0.55       | 5.4               | 36.2             | 26.1   | 0.32       | 2.1               | 38.0             | 28.3   | 0.69       | 8.7               |
| 5400              | 78              | -5              | 37.8             | 84.9   | 1.04       | 17.8              | 25.1             | 59.8   | 0.73       | 9.6               | 26.6             | 62.8   | 1.52       | 38.5              |
| 5400              | 77              | 0               | 40.1             | 78.1   | 0.96       | 15.3              | 27.3             | 53.2   | 0.65       | 7.7               | 28.8             | 56.2   | 1.36       | 31.3              |
| 5400              | 75              | 5               | 42.3             | 71.4   | 0.88       | 12.9              | 29.4             | 46.7   | 0.57       | 6.0               | 31.0             | 49.7   | 1.21       | 24.9              |
| 5400              | 74              | 10              | 44.6             | 64.9   | 0.80       | 10.8              | 31.5             | 40.3   | 0.49       | 4.6               | 33.1             | 43.4   | 1.05       | 19.3              |
| 5400              | 73              | 15              | 46.7             | 58.4   | 0.72       | 8.9               | 33.4             | 34.0   | 0.41       | 3.4               | 35.2             | 37.2   | 0.90       | 14.5              |
| 7200              | 126             | -5              | 33.6             | 102.0  | 1.25       | 25.2              | 22.1             | 71.6   | 0.87       | 13.4              | 23.6             | 75.6   | 1.83       | 54.5              |
| 7200              | 124             | 0               | 36.1             | 93.8   | 1.15       | 21.5              | 24.5             | 63.7   | 0.77       | 10.8              | 26.0             | 67.6   | 1.64       | 44.2              |
| 7200              | 122             | 5               | 38.7             | 85.8   | 1.05       | 18.2              | 26.9             | 55.9   | 0.68       | 8.4               | 28.5             | 59.9   | 1.45       | 35.2              |
| 7200              | 120             | 10              | 41.1             | 77.9   | 0.95       | 15.2              | 29.2             | 48.2   | 0.59       | 6.4               | 30.9             | 52.2   | 1.27       | 27.3              |
| 7200              | 118             | 15              | 43.5             | 70.1   | 0.86       | 12.5              | 31.5             | 40.6   | 0.49       | 4.7               | 33.2             | 44.7   | 1.09       | 20.4              |

## Capacity PGV 1200×600-2-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 5180              | 30              | -5              | 34.7             | 75.5   | 0.92       | 8.2               | 23               | 53.3   | 0.65       | 4.5               | 24.3             | 55.8   | 1.35       | 17.7              |
| 5180              | 30              | 0               | 37.2             | 69.4   | 0.85       | 7                 | 25.4             | 47.4   | 0.57       | 3.6               | 26.8             | 49.9   | 1.21       | 14.4              |
| 5180              | 29              | 5               | 39.7             | 63.5   | 0.77       | 6                 | 27.8             | 41.7   | 0.50       | 2.9               | 29.2             | 44.2   | 1.07       | 11.5              |
| 5180              | 29              | 10              | 42.2             | 57.7   | 0.7        | 5                 | 30.1             | 36     | 0.43       | 2.2               | 31.5             | 38.6   | 0.93       | 9                 |
| 5180              | 28              | 15              | 44.5             | 51.9   | 0.63       | 4.1               | 32.3             | 30.4   | 0.37       | 1.6               | 33.8             | 33.1   | 0.80       | 6.7               |
| 7780              | 59              | -5              | 28.3             | 95.2   | 1.16       | 12.7              | 18.5             | 66.9   | 0.81       | 6.8               | 19.7             | 70.5   | 1.71       | 27.5              |
| 7780              | 58              | 0               | 31.3             | 87.6   | 1.07       | 10.9              | 21.3             | 59.6   | 0.72       | 5.5               | 22.6             | 63.2   | 1.53       | 22.4              |
| 7780              | 57              | 5               | 34.1             | 80     | 0.98       | 9.2               | 24               | 52.3   | 0.64       | 4.3               | 25.4             | 55.9   | 1.35       | 17.8              |
| 7780              | 56              | 10              | 37               | 72.7   | 0.89       | 7.7               | 26.8             | 45.1   | 0.55       | 3.3               | 28.1             | 48.8   | 1.18       | 13.8              |
| 7780              | 55              | 15              | 39.8             | 65.4   | 0.80       | 6.3               | 29.4             | 38.1   | 0.46       | 2.4               | 30.8             | 41.8   | 1.01       | 10.4              |
| 10370             | 95              | -5              | 24               | 110.5  | 1.35       | 16.8              | 15.4             | 77.5   | 0.94       | 8.9               | 16.6             | 82.1   | 1.99       | 36.5              |
| 10370             | 93              | 0               | 27.2             | 101.6  | 1.24       | 14.3              | 18.5             | 69     | 0.83       | 7.2               | 19.7             | 73.5   | 1.78       | 29.7              |
| 10370             | 92              | 5               | 30.4             | 92.9   | 1.14       | 12.1              | 21.5             | 60.5   | 0.73       | 5.7               | 22.8             | 65     | 1.57       | 23.6              |
| 10370             | 91              | 10              | 33.5             | 84.4   | 1.03       | 10.1              | 24.5             | 52.2   | 0.63       | 4.3               | 25.8             | 56.8   | 1.37       | 18.3              |
| 10370             | 89              | 15              | 36.6             | 75.9   | 0.93       | 8.3               | 27.5             | 44     | 0.53       | 3.1               | 28.8             | 48.6   | 1.17       | 13.7              |

## Capacity PGV 1200×600-3-2,5

| Water temp.       |                 |                 | in/out 80°C/60°C |        |            |                   | in/out 60°C/40°C |        |            |                   | in/out 55°C/45°C |        |            |                   |
|-------------------|-----------------|-----------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|------------------|--------|------------|-------------------|
| Air flow          | Air press. drop | Inlet air temp. | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop | Outlet air temp. | Output | Water flow | Water press. drop |
| m <sup>3</sup> /h | Pa              | °C              | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               | °C               | kW     | l/s        | kPa               |
| 5180              | 46              | -5              | 46.7             | 98.2   | 1.20       | 8.1               | 31.9             | 70.1   | 0.85       | 4.5               | 32.9             | 72.1   | 1.75       | 17.1              |
| 5180              | 45              | 0               | 48.4             | 90.3   | 1.10       | 6.9               | 33.5             | 62.5   | 0.76       | 3.6               | 34.6             | 64.6   | 1.56       | 14                |
| 5180              | 44              | 5               | 50.2             | 82.6   | 1.01       | 5.9               | 35.1             | 55.1   | 0.67       | 2.9               | 36.3             | 57.2   | 1.38       | 11.2              |
| 5180              | 44              | 10              | 51.9             | 75.1   | 0.92       | 4.9               | 36.7             | 47.8   | 0.58       | 2.2               | 37.9             | 50     | 1.21       | 8.7               |
| 5180              | 43              | 15              | 53.5             | 67.7   | 0.83       | 4.1               | 38.1             | 40.6   | 0.49       | 1.7               | 39.4             | 42.9   | 1.04       | 6.6               |
| 7780              | 91              | -5              | 39.6             | 127.2  | 1.56       | 13                | 26.7             | 90.4   | 1.09       | 7.2               | 27.9             | 93.8   | 2.27       | 28                |
| 7780              | 89              | 0               | 41.8             | 117.1  | 1.43       | 11.2              | 28.8             | 80.6   | 0.97       | 5.8               | 30               | 84     | 2.03       | 22.8              |
| 7780              | 87              | 5               | 44               | 107.1  | 1.31       | 9.5               | 30.8             | 71     | 0.86       | 4.6               | 32.1             | 74.4   | 1.80       | 18.2              |
| 7780              | 86              | 10              | 46.1             | 97.3   | 1.19       | 7.9               | 32.8             | 61.5   | 0.74       | 3.5               | 34.1             | 65     | 1.57       | 14.2              |
| 7780              | 84              | 15              | 48.2             | 87.7   | 1.07       | 6.5               | 34.7             | 52.1   | 0.63       | 2.6               | 36.1             | 55.8   | 1.35       | 10.7              |
| 10370             | 146             | -5              | 34.5             | 150.3  | 1.84       | 17.8              | 23               | 106.5  | 1.29       | 9.7               | 24.2             | 111.1  | 2.69       | 38.4              |
| 10370             | 143             | 0               | 37.1             | 138.3  | 1.69       | 15.2              | 25.4             | 94.9   | 1.15       | 7.8               | 26.7             | 99.5   | 2.41       | 31.2              |
| 10370             | 141             | 5               | 39.6             | 126.6  | 1.55       | 12.9              | 27.8             | 83.5   | 1.01       | 6.2               | 29.1             | 88.1   | 2.13       | 24.9              |
| 10370             | 138             | 10              | 42               | 115    | 1.41       | 10.8              | 30.1             | 72.3   | 0.87       | 4.8               | 31.4             | 77     | 1.86       | 19.4              |
| 10370             | 136             | 15              | 44.4             | 103.6  | 1.27       | 8.9               | 32.4             | 61.2   | 0.74       | 3.5               | 33.8             | 66     | 1.60       | 14.6              |



## Regulators



AQUA24TF



RC



RC-DO



OPTIGO OP10

### AQUA

Complete regulator with built-in room sensor. Floating control for controlling three-position actuators. Cascade connection with minimum limit for room temperature control. Can be equipped with external room and/or duct sensor and external setpoint adjustment. Temperature range 0 - 30°C, depending on the sensor employed.

#### AQUA24TF

24V supply. The regulator has a built-in controlling anti-freeze protection with two alarm relays and automatic control for heating during stoppage.

### REGIO MINI

Complete regulator with built-in room sensor. Can be equipped with external room and/or duct sensors. Has two control outputs, e.g. for heating and cooling in sequence.

#### RC

24V supply. 0...10V output control signal. DIP switches are used for basic 20 - 26°C setpoint setting. The basic setting can be adjusted by  $\pm 3^\circ\text{C}$  by means of the setpoint knob.

#### RC-DO

24V supply. 0...10V output control signal. The RC-DO has a back-lit display and a temperature range of 0 - 50°C.

### OPTIGO

Regulator with display. One knob for all settings. For mounting on DIN rail. Operates with PT1000 sensor in the range of -20°C to + 40°C. Started/stopped with "run" signal from the fan.

#### OP5

24V supply. 0...10V control signal output. Operates with one sensor (room or duct sensor). Can be reset for heating or cooling control.

#### OP10

24V supply. Can be reset for 0...10V control signal output or 3-point control. Two control outputs, e.g. for heating and cooling in sequence. Input for two sensors and anti-freeze sensor. Supply air temperature control or room temperature control with cascade-controlled supply air. Anti-freeze control with heating during stoppage. Output, e.g. for starting/stopping of fans via 230V~, 5A relay. Programmable one-week timer for controlling of both fan and heating/cooling. Terminal for external timer that extends the operating time. Can be equipped with external setpoint adjuster.

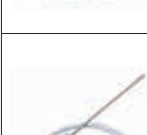
#### OP10-230

Same functions as the OP10, but with 230V~ supply.

## Accessories for AQUA

|                                                                                     | Product                                                                                                               | Range  | Design                                                                                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------|
|    | Duct sensor<br>TG-K330                                                                                                | 0-30°C | Degree of<br>protection IP20                                                                                   |
|    | Room sensor<br>TG-R430<br>with setpoint<br>adjustment                                                                 | 0-30°C | Degree of<br>protection IP30                                                                                   |
|    | Room sensor<br>TG-R530                                                                                                | 0-30°C | Degree of<br>protection IP30                                                                                   |
|   | Room sensor<br>TG-R630                                                                                                | 0-30°C | Degree of<br>protection IP54                                                                                   |
|  | Direct-contact<br>sensor TG-A130<br><br>Delivered with<br>clamp                                                       | 0-30°C | Degree of<br>protection IP65                                                                                   |
|  | Immersion<br>sensor TG-D130<br>of stainless steel<br>for water temp.<br>measurement                                   | 0-30°C | R $\frac{1}{4}$ " connection<br>Ø 6 mm<br>135 mm insertion<br>length<br><br>Degree of<br>protection IP65       |
|  | Immersion<br>sensor TG-D230<br>stainless steel<br>for water temp.<br>measurement                                      | 0-30°C | R $\frac{1}{4}$ " connection<br>Ø 6 mm<br>220 mm insertion<br>length<br><br>Degree of<br>protection IP65       |
|  | Trafo 60<br>Totally enclosed<br>transformer for<br>wall mounting.<br>Built-in two-<br>pole fuse on<br>secondary side. |        | Primary voltage<br>230V~<br>Secondary voltage<br>24V~<br>Max. rating 60 VA<br><br>Degree of<br>protection IP44 |

## Accessories for OPTIGO and REGIO

|                                                                                     | Product                                                                                                               | Range        | Design                                                                                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------|
|    | Duct sensor<br>TG-K3/PT1000                                                                                           | -30...+70°C  | Degree of<br>protection IP65                                                                                   |
|    | Room sensor<br>TG-R5/PT1000                                                                                           | 0-50°C       | Degree of<br>protection IP30                                                                                   |
|    | Room sensor<br>TG-UH/PT1000                                                                                           | -30...+120°C | Degree of<br>protection IP65                                                                                   |
|   | Direct-contact<br>sensor TG-A130<br><br>Delivered with<br>clamp.                                                      | -30...+150°C | Degree of<br>protection IP65                                                                                   |
|  | Immersion<br>sensor<br>TG-D1/PT1000<br>stainless steel<br>for water temp.<br>measurement                              | -30...+150°C | R $\frac{1}{4}$ " connection<br>Ø 4 mm<br>135 mm insertion<br>length<br><br>Degree of<br>protection IP65       |
|  | Immersion<br>sensor<br>TG-D2/PT1000<br>stainless steel<br>for water temp.<br>measurement                              | -30...+150°C | R $\frac{1}{4}$ " connection<br>Ø 4 mm<br>220 mm insertion<br>length<br><br>Degree of<br>protection IP65       |
|  | Trafo 60<br>Totally enclosed<br>transformer for<br>wall mounting.<br>Built-in two-<br>pole fuse on<br>secondary side. |              | Primary voltage<br>230V~<br>Secondary voltage<br>24V~<br>Max. rating 60 VA<br><br>Degree of<br>protection IP44 |

## Actuators and valves for Kvs 0.25 – 8.0 (110°C max)

| Description                                                               |      | Type       |
|---------------------------------------------------------------------------|------|------------|
| 3-position actuator for ZTV/ZTR valves, degree of protection IP44         |      | RVAZ4-24   |
| Actuator for 0...10V signal for ZTV/ZTR valves, degree of protection IP44 |      | RVAZ4-24A  |
| Description                                                               | Kvs  | Type       |
| 2-way 1/2" valve                                                          | 0.25 | ZTV15-0.25 |
| 2-way 1/2" valve                                                          | 0.4  | ZTV15-0.4  |
| 2-way 1/2" valve                                                          | 0.6  | ZTV15-0.6  |
| 2-way 1/2" valve                                                          | 1.0  | ZTV15-1.0  |
| 2-way 1/2" valve                                                          | 1.6  | ZTV15-1.6  |
| 2-way 3/4" valve                                                          | 2.0  | ZTV20-2.0  |
| 2-way 3/4" valve                                                          | 2.5  | ZTV20-2.5  |
| 2-way 3/4" valve                                                          | 4.0  | ZTV20-4.0  |
| 2-way 3/4" valve                                                          | 6.0  | ZTV20-6.0  |
| 2-way 1" valve                                                            | 8.0  | ZTVB25-8.0 |
| 3-way 1/2" valve                                                          | 0.25 | ZTR15-0.25 |
| 3-way 1/2" valve                                                          | 0.4  | ZTR15-0.4  |
| 3-way 1/2" valve                                                          | 0.6  | ZTR15-0.6  |
| 3-way 1/2" valve                                                          | 1.0  | ZTR15-1.0  |
| 3-way 1/2" valve                                                          | 1.6  | ZTR15-1.6  |
| 3-way 3/4" valve                                                          | 2.0  | ZTR20-2.0  |
| 3-way 3/4" valve                                                          | 2.5  | ZTR20-2.5  |
| 3-way 3/4" valve                                                          | 4.0  | ZTR20-4.0  |
| 3-way 3/4" valve                                                          | 6.0  | ZTR20-6.0  |
| 3-way 1" valve                                                            | 8.0  | ZTRB25-8   |



Actuator RVAZ4-24



Valve ZTV



Valve ZTR

## Actuators and valves for Kvs 1.0 – 16.0 (max 185°C)

| Description                                                                 |      | Type        |
|-----------------------------------------------------------------------------|------|-------------|
| 3-position actuator for MTVS/MTRS valves, degree of protection IP54         |      | RVAN5-24    |
| Actuator for 0...10V signal for MTVS/MTRS valves, degree of protection IP54 |      | RVAN5-24A   |
| Description                                                                 | Kvs  | Type        |
| 2-way 1/2" valve                                                            | 1.0  | MTVS15-1.0  |
| 2-way 1/2" valve                                                            | 1.6  | MTVS15-1.6  |
| 2-way 1/2" valve                                                            | 2.1  | MTVS15-2.1  |
| 2-way 1/2" valve                                                            | 2.7  | MTVS15-2.7  |
| 2-way 3/4" valve                                                            | 4.2  | MTVS20-4.2  |
| 2-way 3/4" valve                                                            | 5.6  | MTVS20-5.6  |
| 2-way 1" valve                                                              | 10.0 | MTVS25-10   |
| 2-way 1 1/4" valve                                                          | 16.0 | MTVS32-16   |
| 3-way 1/2" valve                                                            | 0.63 | MTRS15-0.63 |
| 3-way 1/2" valve                                                            | 1.0  | MTRS15-1.0  |
| 3-way 1/2" valve                                                            | 1.6  | MTRS15-1.6  |
| 3-way 1/2" valve                                                            | 2.1  | MTRS15-2.1  |
| 3-way 1/2" valve                                                            | 2.7  | MTRS15-2.7  |
| 3-way 3/4" valve                                                            | 4.2  | MTRS20-4.2  |
| 3-way 3/4" valve                                                            | 5.6  | MTRS20-5.6  |
| 3-way 1" valve                                                              | 10.0 | MTRS25-10   |
| 3-way 1 1/4" valve                                                          | 16.0 | MTRS32-16   |



Actuator RVAN5-24



Valve MTVS



Valve MTRS

## Guide for selection of valves and actuators for PGV heaters

### 110°C max. water temperature

Actuator RVAZ4-24 (3-position) or RVAZ4-24A (0...10V) can be used for all ZTV/ZTR valves.

| Type of PGV        | Valve type                         | Kvs  |
|--------------------|------------------------------------|------|
| PGV 400×200-2-2,5  | 2-way ZTV20-1.6<br>3-way ZTR20-1.6 | 1.6  |
| PGV 400×200-4-2,5  | 2-way ZTV20-2.5<br>3-way ZTR20-2.5 | 2.5  |
| PGV 500×250-2-2,5  | 2-way ZTV20-2.5<br>3-way ZTR20-2.5 | 2.5  |
| PGV 500×250-4-2,5  | 2-way ZTV20-2.5<br>3-way ZTR20-2.5 | 2.5  |
| PGV 500×300-2-2,5  | 2-way ZTV20-2.5<br>3-way ZTR20-2.5 | 2.5  |
| PGV 500×300-4-2,5  | 2-way ZTV20-2.5<br>3-way ZTR20-2.5 | 2.5  |
| PGV 600×300-2-2,5  | 2-way ZTV20-2.5<br>3-way ZTR20-2.5 | 2.5  |
| PGV 600×300-4-2,5  | 2-way ZTV20-4.0<br>3-way ZTR20-4.0 | 4.0  |
| PGV 600×350-2-2,5  | 2-way ZTV20-2.5<br>3-way ZTR20-2.5 | 2.5  |
| PGV 600×350-4-2,5  | 2-way ZTV20-4.0<br>3-way ZTR20-4.0 | 4.0  |
| PGV 700×400-2-2,5  | 2-way ZTV20-6.0<br>3-way ZTR20-6.0 | 6.0  |
| PGV 700×400-3-2,5  | 2-way ZTV20-6.0<br>3-way ZTR20-6.0 | 6.0  |
| PGV 800×500-2-2,5  | 2-way ZTV20-6.0<br>3-way ZTR20-6.0 | 6.0  |
| PGV 800×500-3-2,5  | 2-way ZTVB25-8<br>3-way ZTRB25-8   | 8.0  |
| PGV 1000×500-2-2,5 | 2-way ZTVB25-8<br>3-way ZTRB25-8   | 8.0  |
| PGV 1000×500-3-2,5 | 2-way ZTVB25-8<br>3-way ZTRB25-8   | 8.0  |
| PGV 1200×600-2-2,5 | 2-way ZTVB32-15<br>3-way ZTRB32-15 | 15.0 |
| PGV 1200×600-3-2,5 | 2-way ZTVB32-15<br>3-way ZTRB32-15 | 15.0 |

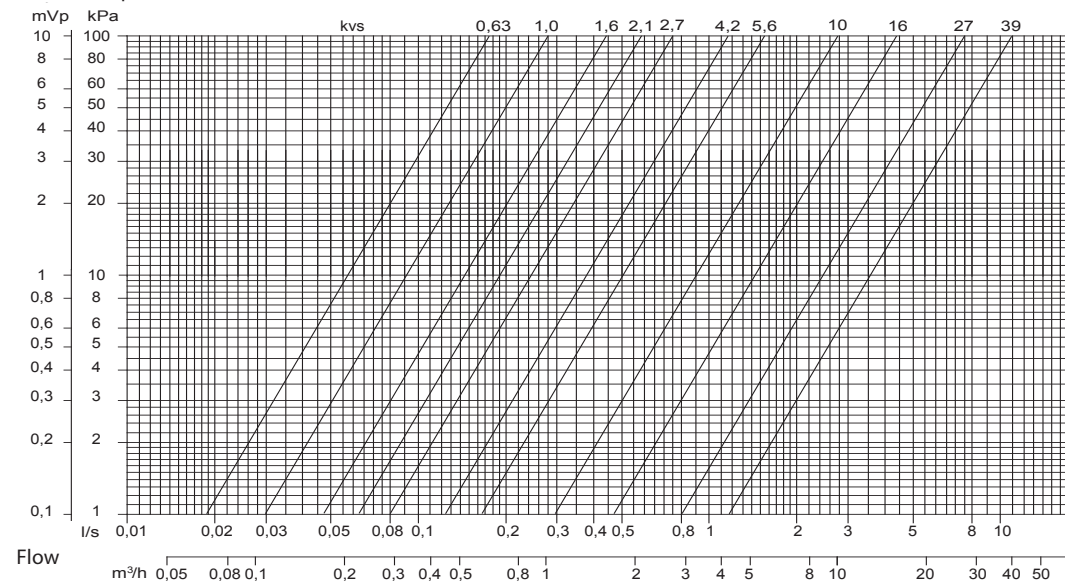
### 185°C max. water temperature

Actuator RVAN5-24 (3-position) or RVAN5-24A (0...10V) can be used for all MTVS/MTRS valves.

| Type of PGV        | Valve type                            | Kvs |
|--------------------|---------------------------------------|-----|
| PGV 400×200-2-2,5  | 2-way MTVS15-1.6<br>3-way MTRS15-1.6  | 1.6 |
| PGV 400×200-4-2,5  | 2-way MTVS15-2.7<br>3-way MTRS15-2.7  | 2.7 |
| PGV 500×250-2-2,5  | 2-way MTVS15-1.6<br>3-way MTRS15-1.6  | 1.6 |
| PGV 500×250-4-2,5  | 2-way MTVS15-2.7<br>3-way MTRS15-2.7  | 2.7 |
| PGV 500×300-2-2,5  | 2-way MTVS15-2.7<br>3-way MTRS15-2.7  | 2.7 |
| PGV 500×300-4-2,5  | 2-way MTVS15-2.7<br>3-way MTRS15-2.7  | 2.7 |
| PGV 600×300-2-2,5  | 2-way MTVS15-2.7<br>3-way MTRS15-2.7  | 2.7 |
| PGV 600×300-4-2,5  | 2-way MTVS20-4.2<br>3-way MTRS20-4.2  | 4.2 |
| PGV 600×350-2-2,5  | 2-way MTVS15-2.7<br>3-way MTRS15-2.7  | 2.7 |
| PGV 600×350-4-2,5  | 2-way MTVS20-4.2<br>3-way MTRS20-4.2  | 4.2 |
| PGV 700×400-2-2,5  | 2-way MTVS20-5.6<br>3-way MTRS20-5.6  | 5.6 |
| PGV 700×400-3-2,5  | 2-way MTVS20-5.6<br>3-way MTRS20-5.6  | 5.6 |
| PGV 800×500-2-2,5  | 2-way MTVS20-5.6<br>3-way MTRS20-5.6  | 5.6 |
| PGV 800×500-3-2,5  | 2-way MTVS20-5.6<br>3-vägs MTRS20-5.6 | 5.6 |
| PGV 1000×500-2-2,5 | 2-way MTVS20-5.6<br>3-way MTRS20-5.6  | 5.6 |
| PGV 1000×500-3-2,5 | 2-way MTVS20-5.6<br>3-way MTRS20-5.6  | 5.6 |
| PGV 1200×600-2-2,5 | 2-way MTVS25-10<br>3-way MTRS25-10    | 10  |
| PGV 1200×600-3-2,5 | 2-way MTVS25-10<br>3-way MTRS25-10    | 10  |

## Pressure drops across valves

Pressure drop





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