



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), 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.

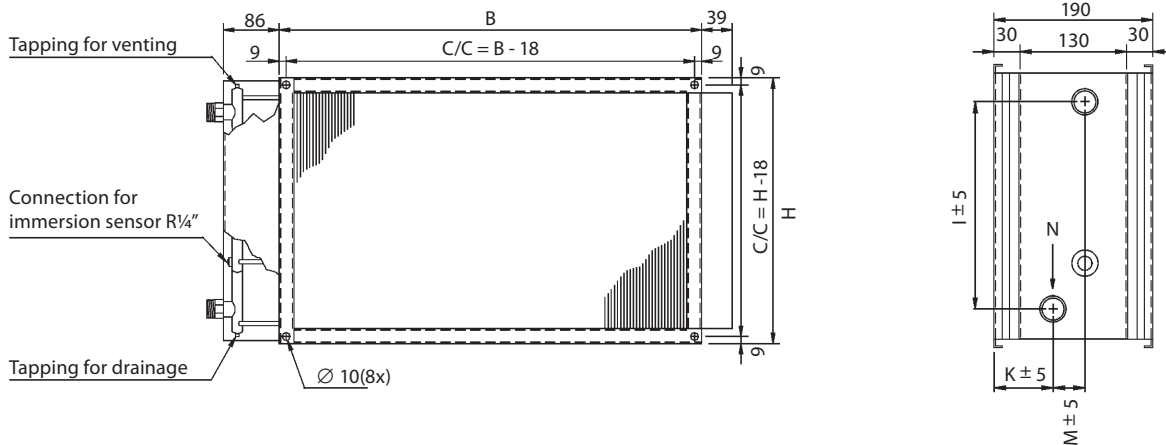


Air tightness class C

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 400x200 - 2 - 2.5

(example)

Size designation

Number of tube rows

Fin pitch, mm

Specify the following for project ordering:

1. Air flow rate: - m³/h
2. Inlet air temperature: - °C
3. Outlet air temp. or required output: - °C or kW
4. Duct size: - mm
5. Inlet water temp.: - °C
6. Outlet water temp. or water flow: - °C or l/sec
7. 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 ³ /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 ³ /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 ³ /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 |

PGV

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 ³ /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 |
| m ³ /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 |
| m ³ /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 ³ /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 |

PGV

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 ³ /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 ³ /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 ³ /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 ³ /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 |

PGV

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 ³ /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 ³ /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 ³ /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 ³ /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 |

PGV

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 ³ /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 ³ /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 ³ /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.





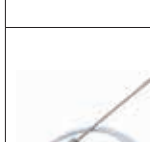


OP10-230

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

Accessories for AQUA

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

Accessories for OPTIGO and REGIO

| | Product | Range | Design |
|---|---|--------------|---|
|  | Duct sensor TG-K3/PT1000 | -30...+70°C | Degree of protection IP20 |
|  | Room sensor TG-R5/PT1000 | 0-50°C | Degree of protection IP30 |
|  | Room sensor TG-UH/PT1000 | -30...+120°C | Degree of protection IP65 |
|  | Direct-contact sensor TG-A130 Delivered with clamp. | -30...+150°C | Degree of protection IP65 |
|  | Immersion sensor TG-D1/PT1000 stainless steel for water temp. measurement | -30...+150°C | R ¹ / ₄ " connection Ø 4 mm 135 mm insertion length Degree of protection IP65 |
|  | Immersion sensor TG-D2/PT1000 stainless steel for water temp. measurement | -30...+150°C | R ¹ / ₄ " connection Ø 4 mm 220 mm insertion length Degree of protection IP65 |
|  | Trafo 60 Totally enclosed transformer for wall mounting. Built-in two- pole fuse on secondary side. | | Primary voltage 230V~ Secondary voltage 24V~ Max. rating 60 VA Degree of 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 3-way ZTR20-1.6 | 1.6 |
| PGV 400×200-4-2,5 | 2-way ZTV20-2.5 3-way ZTR20-2.5 | 2.5 |
| PGV 500×250-2-2,5 | 2-way ZTV20-2.5 3-way ZTR20-2.5 | 2.5 |
| PGV 500×250-4-2,5 | 2-way ZTV20-2.5 3-way ZTR20-2.5 | 2.5 |
| PGV 500×300-2-2,5 | 2-way ZTV20-2.5 3-way ZTR20-2.5 | 2.5 |
| PGV 500×300-4-2,5 | 2-way ZTV20-2.5 3-way ZTR20-2.5 | 2.5 |
| PGV 600×300-2-2,5 | 2-way ZTV20-2.5 3-way ZTR20-2.5 | 2.5 |
| PGV 600×300-4-2,5 | 2-way ZTV20-4.0 3-way ZTR20-4.0 | 4.0 |
| PGV 600×350-2-2,5 | 2-way ZTV20-2.5 3-way ZTR20-2.5 | 2.5 |
| PGV 600×350-4-2,5 | 2-way ZTV20-4.0 3-way ZTR20-4.0 | 4.0 |
| PGV 700×400-2-2,5 | 2-way ZTV20-6.0 3-way ZTR20-6.0 | 6.0 |
| PGV 700×400-3-2,5 | 2-way ZTV20-6.0 3-way ZTR20-6.0 | 6.0 |
| PGV 800×500-2-2,5 | 2-way ZTV20-6.0 3-way ZTR20-6.0 | 6.0 |
| PGV 800×500-3-2,5 | 2-way ZTVB25-8 3-way ZTRB25-8 | 8.0 |
| PGV 1000×500-2-2,5 | 2-way ZTVB25-8 3-way ZTRB25-8 | 8.0 |
| PGV 1000×500-3-2,5 | 2-way ZTVB25-8 3-way ZTRB25-8 | 8.0 |
| PGV 1200×600-2-2,5 | 2-way ZTVB32-15 3-way ZTRB32-15 | 15.0 |
| PGV 1200×600-3-2,5 | 2-way ZTVB32-15 3-way ZTRB32-15 | 15.0 |

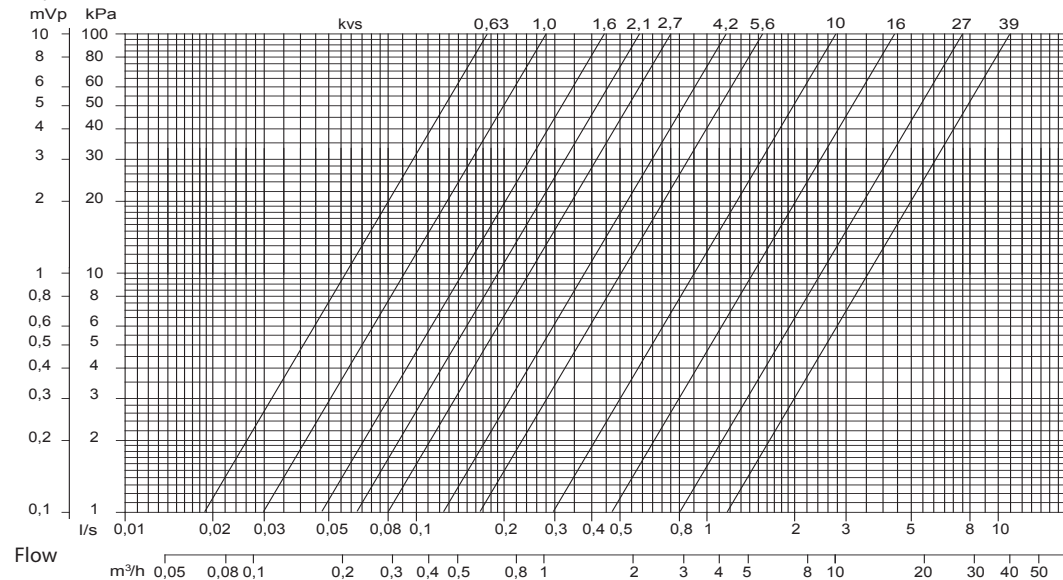
185°C max. water temperature

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

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Pressure drop





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