

jaga

CLIMATE DESIGNERS

Heating



Light cooling



Deep cooling



BRISE TECHNICAL INFORMATION



BRISE



Weight and water content without packaging or options

WEIGHT IN KG

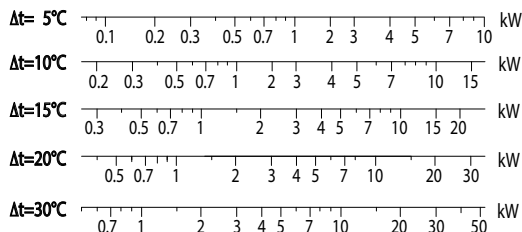
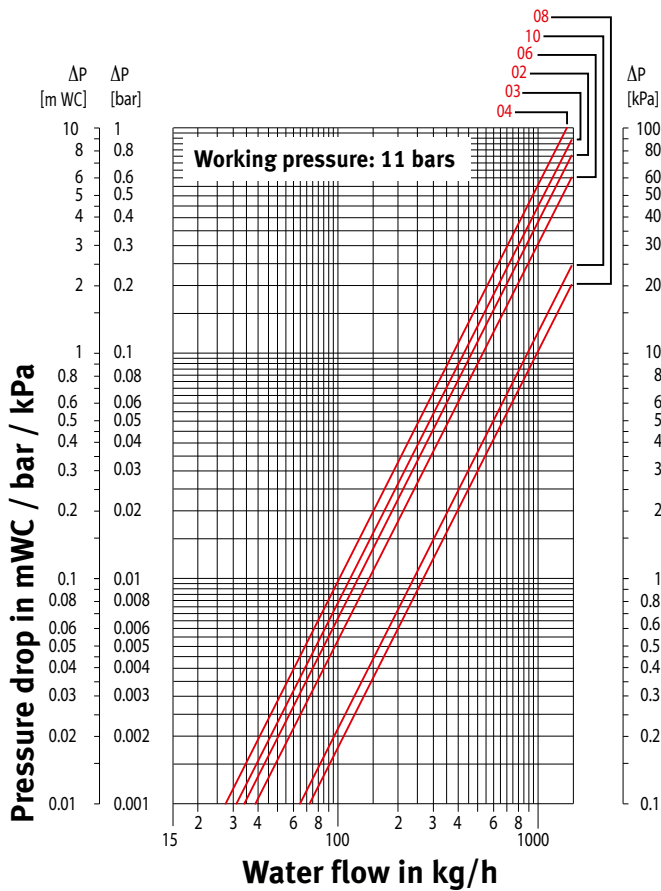
| BRISE | | | | | | |
|---------------------------------|------|------|-----|------|-----|------|
| Type | 02 | 03 | 04 | 06 | 08 | 10 |
| BRIW | 18 | 19 | 24 | 26 | 38 | 50 |
| BRIC | 18 | 19 | 24 | 26 | 38 | 50 |
| BRBW | 14 | 14.5 | 15 | 20.5 | 33 | 43.5 |
| BRBC | 14.5 | 15 | 20 | 22 | 33 | 43.5 |
| Second heat exchanger B4 | | | | | | |
| | -- | 1.4 | 2.0 | 2.0 | 2.6 | 2.8 |

WATER CONTENT IN LITRE

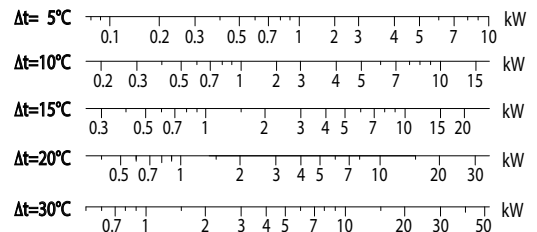
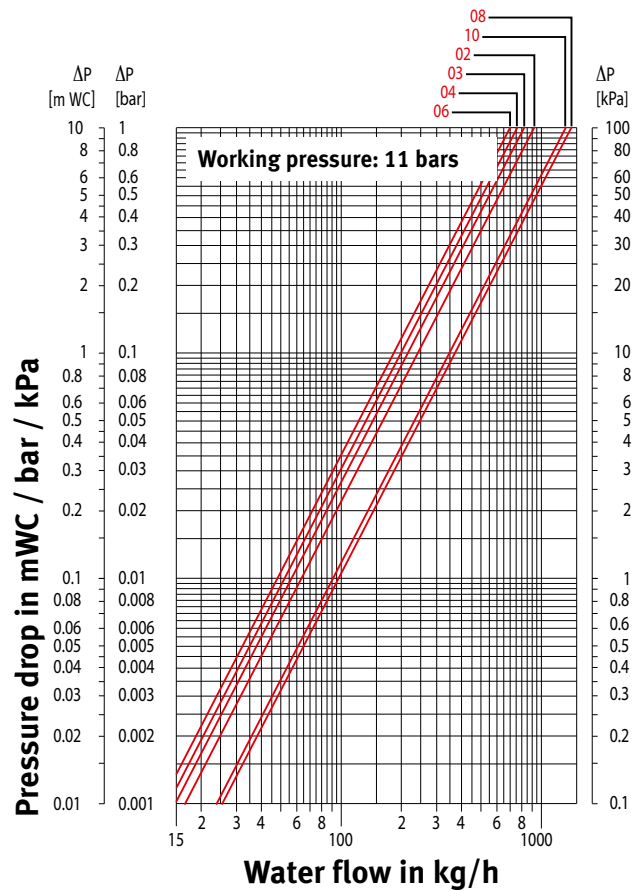
| BRISE | | | | | | |
|---------------------------------|------|------|------|------|------|------|
| Type | 02 | 03 | 04 | 06 | 08 | 10 |
| Standard heat exchanger | | | | | | |
| | 0.66 | 0.86 | 1.34 | 1.96 | 3.75 | 4.03 |
| Second heat exchanger B4 | | | | | | |
| | 0.21 | 0.27 | 0.44 | 0.65 | 1.24 | 1.34 |

PRESSURE DROP

STANDARD HEAT EXCHANGER



2° HEAT EXCHANGER B4



CORRECTION FACTORS DYNAMISCH

The indicated outputs with $\Delta T 50$ and $\Delta T 30$ are the exact outputs. $\Delta T 50$ output measured in accordance with EN442 and $\Delta T 30$ output calculated according to EN442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions.

At www.jaga.com/downloads/selectiontools you can download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

AVERAGE CORRECTION FACTORS FOR DYNAMIC PRODUCTS - 75/65/20°C

| Room temperature: 20°C | | | | | | | | | | Room temperature: 24°C | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|------|------|------|------|
| Average N-value: 1.00 | | | | | | | | | | Average N-value: 1.00 | | | | | | | | | |
| Tr | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | Tr | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 |
| Ta | | | | | | | | | | Ta | | | | | | | | | |
| 75 | 1.00 | 0.95 | 0.89 | 0.83 | 0.76 | 0.69 | 0.62 | 0.53 | 0.42 | 75 | 0.92 | 0.86 | 0.81 | 0.74 | 0.68 | 0.61 | 0.52 | 0.42 | 0.26 |
| 70 | 0.95 | 0.90 | 0.84 | 0.79 | 0.72 | 0.66 | 0.58 | 0.50 | 0.39 | 70 | 0.87 | 0.82 | 0.76 | 0.70 | 0.64 | 0.57 | 0.49 | 0.39 | 0.24 |
| 65 | | 0.85 | 0.80 | 0.74 | 0.68 | 0.62 | 0.55 | 0.47 | 0.37 | 65 | | 0.77 | 0.72 | 0.66 | 0.60 | 0.53 | 0.46 | 0.37 | 0.22 |
| 60 | | | 0.75 | 0.70 | 0.64 | 0.58 | 0.51 | 0.43 | 0.34 | 60 | | | 0.67 | 0.62 | 0.56 | 0.49 | 0.42 | 0.34 | 0.20 |
| 55 | | | | 0.65 | 0.60 | 0.54 | 0.47 | 0.40 | 0.31 | 55 | | | | 0.57 | 0.52 | 0.46 | 0.39 | 0.31 | 0.18 |
| 50 | | | | | 0.55 | 0.49 | 0.43 | 0.37 | 0.28 | 50 | | | | | 0.47 | 0.41 | 0.35 | 0.27 | 0.15 |
| 45 | | | | | | 0.45 | 0.39 | 0.33 | 0.25 | 45 | | | | | | 0.37 | 0.31 | 0.24 | 0.13 |
| 40 | | | | | | | 0.35 | 0.29 | 0.22 | 40 | | | | | | | 0.27 | 0.20 | 0.11 |
| 35 | | | | | | | | 0.25 | 0.18 | 35 | | | | | | | | 0.17 | 0.08 |
| 30 | | | | | | | | | 0.14 | 30 | | | | | | | | | 0.06 |

RECOMMENDED MAXIMUM WATER FLOW DEPENDING ON THE PIPE DIAMETER AT A MAX. WATER FLOW OF 0.4 M / S

| Tube | Outer Ø mm | Wall thickness mm | Maximum flow kg/h | Maximum power at ΔT (° C) (T supply - T return)) | | | | |
|--------|---------------|----------------------|----------------------|--|--------------|---------------|---------------|---------------|
| | | | | $\Delta T 2$ | $\Delta T 5$ | $\Delta T 10$ | $\Delta T 20$ | $\Delta T 30$ |
| | | | | Watt | Watt | Watt | Watt | Watt |
| 10/1 | 10.0 | 1.0 | 72 | 168 | 421 | 841 | 1682 | 2524 |
| 12/1 | 12.0 | 1.0 | 113 | 263 | 657 | 1314 | 2629 | 3943 |
| 12/2 | 12.0 | 2.0 | 72 | 168 | 421 | 841 | 1682 | 2524 |
| 14/1 | 14.0 | 1.0 | 163 | 379 | 946 | 1893 | 3785 | 5678 |
| 14/2 | 14.0 | 2.0 | 113 | 263 | 657 | 1314 | 2629 | 3943 |
| 15/1 | 15.0 | 1.0 | 191 | 444 | 1111 | 2221 | 4443 | 6664 |
| 16/1 | 16.0 | 1.0 | 222 | 515 | 1288 | 2576 | 5152 | 7729 |
| 16/1.5 | 16.0 | 1.5 | 191 | 444 | 1111 | 2221 | 4443 | 6664 |
| 16/2 | 16.0 | 2.0 | 163 | 379 | 946 | 1893 | 3785 | 5678 |
| 16/2.2 | 16.0 | 2.2 | 152 | 354 | 884 | 1769 | 3537 | 5306 |
| 17/2 | 17.0 | 2.0 | 191 | 444 | 1111 | 2221 | 4443 | 6664 |
| 3/8" | 17.1 | 3.2 | 129 | 301 | 752 | 1505 | 3010 | 4515 |
| 18/1 | 18.0 | 1.0 | 289 | 673 | 1682 | 3365 | 6730 | 10095 |
| 18/2 | 18.0 | 2.0 | 222 | 515 | 1288 | 2576 | 5152 | 7729 |
| 20/2 | 20.0 | 2.0 | 289 | 673 | 1682 | 3365 | 6730 | 10095 |
| 1/2" | 21.3 | 3.7 | 217 | 504 | 1259 | 2518 | 5035 | 7553 |
| 26/3 | 26.0 | 3.0 | 452 | 1052 | 2629 | 5258 | 10515 | 15773 |

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