



**FIDOKS**  
HEATING AND COOLING

**NEW**

Production range

Wood lamination  
on client's request



**2022**

\*Rich variety of motifs





## CONVECTORS FOR CONCEALED FLOOR MOUNTING



### FOKS SPIRIT - FPKV

PAGE 1

- fan powered
- heating only
- electronic control needed
- grille additional

## CONVECTORS FOR FLOOR AND WALL MOUNTING



### FOKS DWARF - FSK [-BT]

PAGE 12

- natural convection (without fan)
- heating only
- no electronic control necessary
- built-in grille

## CONVECTORS FOR WALL MOUNTING



### FOKS ELEMENT - FVK

PAGE 19

- natural convection (without fan)
- heating only
- no electronic control needed
- built-in grille



### FOKS BREEZE - FPKV-HC

PAGE 4

- fan powered
- heating and cooling
- electronic control needed
- grille additional
- outlet for condensated water necessary



### FOKS REST - FSK-D

PAGE 12

- natural convection (without fan)
- heating only
- no electronic control necessary
- built-in wooden board

## HEAT EXCHANGER FOR INDIVIDUAL MOUNTING



### FOKS OT

PAGE 22

- no fan
- heating only
- no electronic control needed
- additional coverage necessary



### FOKS CLOUD - FPK

PAGE 7

- natural convection (without fan)
- heating only
- no electronic control needed
- grille additional



### FOKS KOMPAKT - FSKV-HC

PAGE 16

- wall brackets optional
- fan powered
- heating and cooling
- electronic control needed
- built-in grille

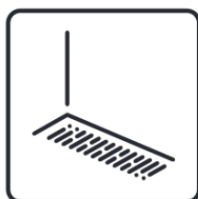
## TECHNICAL PART



### TECHNICAL PARAMETERS

PAGE 24

- thermostats and controllers
- electrical wiring schemes
- dimensions and drawings
- other specifications
- weights, water volumes
- additional information



### ACCESSORIES AND GRILLES

PAGE 10

- accessories
- grilles
- frames





HEATING



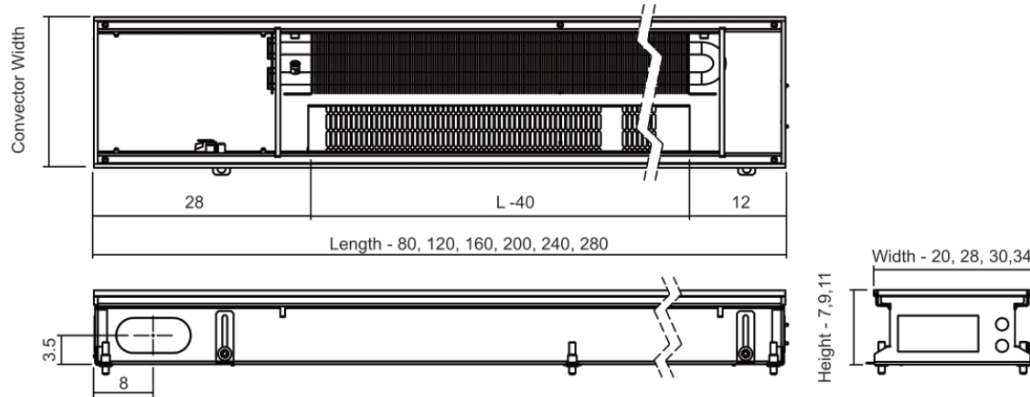
COOLING

\*Rich variety of motifs





## DIMENSIONS (cm)



## ORDER CODE (dimensions in cm)

Product code - Length / Height / Width - frame color - other specification

**FPKV 200 / 9 / 28 - S - XXX**

Cover grilles and electronic control has to be ordered separately



## ADDITIONAL SPECIFICATION

Frame color - "S" - silver, RALXXX (powder coated)

## OPTIONAL

"-CL-", "-CR-", "-CLR-" - gapless modification of FPKV, FPK or PKO, "CL" left, "CR" right, "CLR" both sides (convector is in the middle - see the scheme at page bottom)

"- N" - stainless steel canal AISI 304 (Additional charge + 13%)

"- SF" - noise isolation band (up to 4 dB decrease of fan noise level) additional charge +6%

"- R" - Pipe connection on the RIGHT side

## INSTALLATION

- Pipes from left side, 1/2" F, (Right side optional)
- Positioning - heat exchanger to the window side; fan to the room side
- Recommended gap between the window and the convector 8-12 cm
- Frame of the convector has to be leveled with the final floor surface
- No gap between the bottom of the convector and the concrete should remain unfilled.

## ELECTRICAL WIRING

- WAGO terminal block
- For ALL-IN an 220V 50Hz connection is necessary!!!
- Wiring with 3 wire or 6 wire cable ( 1mm<sup>2</sup> )
- Power supply: +24VDC,-24VDC, signal 0-10VDC
- for more information about electrical connection see page 27

## STANDARD PACKAGE CONTENT

- Black powder coated steel canal (RAL 9005)
- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005)
- Energy saving fan (8W)
- Switch interface for easy connection of additional sensors or controllers
- Set of fixing elements
- Protective cover board

## NEW GENERATION OF ENERGY SAVING FANS

- Noise level under 17dB (1st speed)
- 3-phase motor 24V DC
- Excellent parameters - max.power consumption 7/15 Watt/h (per each fan 43/60mm diameter)
- All-black design
- Rubber silencers decreasing vibrations and noise
- Easy system of replacement

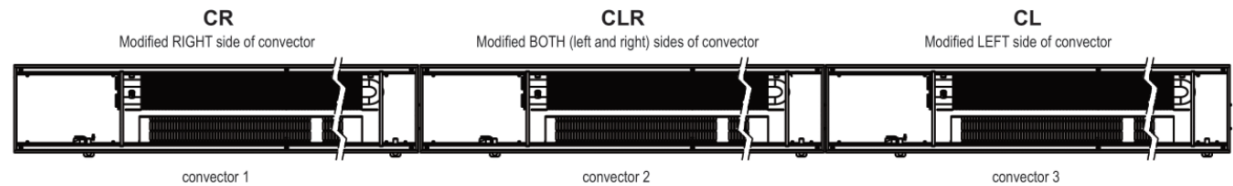


Fan specification at page 28

## SOUNDPROOFING FOIL

The outer side of the convector canal as well as its inner part in the area under the fan is covered with soundproofing foil. It further reduces fan noise as well as the potential transmission of vibrations - e.g. of joinery or metal construction. Soundproofing foil is also recommended as additional insulation when the convector is built into non-concreted structure.

## Gapless connection of build-in convectors (allows installation of "endless" grille)





| Convector Width | Product code<br>Convector Height | Length (cm)              |  | 80   |     |      |      | 120  |      |      |      | 160  |      |      |      | 200  |      |      |      | 240  |      |      |      | 280  |      |      |      |
|-----------------|----------------------------------|--------------------------|--|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 |                                  | Max.Power Input (Watt)   |  | 12 W |     |      |      | 17 W |      |      |      | 18 W |      |      |      | 34 W |      |      |      | 35 W |      |      |      | 36 W |      |      |      |
|                 |                                  | Fan speed                |  | Off  | 1   | 2    | 3    | Off  | 1    | 2    | 3    | Off  | 1    | 2    | 3    | Off  | 1    | 2    | 3    | Off  | 1    | 2    | 3    | Off  | 1    | 2    | 3    |
| Width 20 cm     | FPKV 7/20<br>Height 7 cm         | Heat output - 75/65/20°C |  | 100  | 490 | 630  | 769  | 145  | 938  | 1206 | 1473 | 182  | 1397 | 1795 | 2192 | 221  | 1858 | 2386 | 2915 | 259  | 2316 | 2973 | 3633 | 298  | 2773 | 3561 | 4351 |
|                 |                                  | Heat output - 55/50/20°C |  | 61   | 299 | 384  | 469  | 88   | 572  | 736  | 899  | 111  | 852  | 1095 | 1337 | 135  | 1133 | 1455 | 1778 | 158  | 1413 | 1814 | 2216 | 182  | 1692 | 2172 | 2654 |
|                 |                                  | €                        |  | 341  |     |      |      | 421  |      |      |      | 501  |      |      |      | 627  |      |      |      | 751  |      |      |      | 832  |      |      |      |
| Width 20 cm     | FPKV 9/20<br>Height 9 cm         | Heat output - 75/65/20°C |  | 109  | 533 | 685  | 836  | 158  | 1020 | 1311 | 1601 | 198  | 1519 | 1951 | 2383 | 240  | 2020 | 2594 | 3168 | 282  | 2517 | 3232 | 3949 | 324  | 3014 | 3871 | 4729 |
|                 |                                  | Heat output - 55/50/20°C |  | 66   | 325 | 418  | 510  | 96   | 622  | 800  | 977  | 121  | 927  | 1190 | 1454 | 146  | 1232 | 1582 | 1932 | 172  | 1535 | 1972 | 2409 | 198  | 1839 | 2361 | 2885 |
|                 |                                  | €                        |  | 343  |     |      |      | 423  |      |      |      | 504  |      |      |      | 629  |      |      |      | 752  |      |      |      | 833  |      |      |      |
| Width 28 cm     | FPKV 7/28<br>Height 7 cm         | Heat output - 75/65/20°C |  | 109  | 535 | 687  | 838  | 159  | 1023 | 1314 | 1605 | 199  | 1523 | 1956 | 2390 | 241  | 2026 | 2601 | 3176 | 283  | 2523 | 3240 | 3959 | 324  | 3022 | 3881 | 4741 |
|                 |                                  | Heat output - 55/50/20°C |  | 66   | 326 | 419  | 511  | 97   | 624  | 802  | 979  | 121  | 929  | 1193 | 1458 | 147  | 1236 | 1587 | 1937 | 173  | 1539 | 1976 | 2415 | 198  | 1843 | 2367 | 2892 |
|                 |                                  | €                        |  | 350  |     |      |      | 432  |      |      |      | 514  |      |      |      | 642  |      |      |      | 766  |      |      |      | 850  |      |      |      |
| Width 28 cm     | FPKV 9/28<br>Height 9 cm         | Heat output - 75/65/20°C |  | 156  | 609 | 782  | 955  | 226  | 1165 | 1496 | 1828 | 284  | 1735 | 2228 | 2721 | 343  | 2306 | 2961 | 3617 | 403  | 2874 | 3697 | 4508 | 464  | 3441 | 4419 | 5399 |
|                 |                                  | Heat output - 55/50/20°C |  | 95   | 371 | 477  | 583  | 138  | 711  | 913  | 1115 | 173  | 1058 | 1359 | 1660 | 209  | 1407 | 1806 | 2206 | 246  | 1753 | 2255 | 2750 | 283  | 2099 | 2696 | 3293 |
|                 |                                  | €                        |  | 355  |     |      |      | 437  |      |      |      | 520  |      |      |      | 649  |      |      |      | 775  |      |      |      | 858  |      |      |      |
| Width 28 cm     | FPKV 11/28<br>Height 11 cm       | Heat output - 75/65/20°C |  | 189  | 67  | 874  | 1067 | 339  | 1301 | 1672 | 2041 | 489  | 1938 | 2490 | 3039 | 638  | 2576 | 3308 | 4041 | 789  | 3209 | 4122 | 5035 | 940  | 3843 | 4936 | 6031 |
|                 |                                  | Heat output - 55/50/20°C |  | 115  | 41  | 533  | 651  | 207  | 794  | 1020 | 1245 | 298  | 1182 | 1519 | 1854 | 389  | 1571 | 2018 | 2465 | 481  | 1957 | 2514 | 3071 | 573  | 2344 | 3011 | 3679 |
|                 |                                  | €                        |  | 372  |     |      |      | 459  |      |      |      | 547  |      |      |      | 681  |      |      |      | 814  |      |      |      | 902  |      |      |      |
| W 34 cm         | FPKV 11/34<br>Height 11 cm       | Heat output - 75/65/20°C |  | 247  | 88  | 1144 | 1397 | 443  | 1704 | 2189 | 2674 | 640  | 2538 | 3260 | 3980 | 836  | 3373 | 4332 | 5291 | 1034 | 4203 | 5397 | 6594 | 1231 | 5033 | 6464 | 7898 |
|                 |                                  | Heat output - 55/50/20°C |  | 151  | 54  | 698  | 852  | 270  | 1039 | 1335 | 1631 | 390  | 1548 | 1989 | 2428 | 510  | 2058 | 2643 | 3228 | 631  | 2564 | 3292 | 4022 | 751  | 3070 | 3943 | 4818 |
|                 |                                  | €                        |  | 390  |     |      |      | 482  |      |      |      | 574  |      |      |      | 716  |      |      |      | 855  |      |      |      | 946  |      |      |      |



### 5 EASY STEPS HOW TO CHOOSE THE RIGHT CONVECTOR

- pick the convector according to required dimensions and/or its heat output
- Choose the cover grille with the same width and length as is the specification of your convector FOKS
- Choose electronic control units according to the number of convectors you want to control
- Manual or Programmable thermostat
- Additional elements and fittings (valves, el. actuator)...

### HINT

Convectors can be connected in one gapless line. This modification has to be specified in the convectors code. Consultation with our specialist is highly recommended.

### NEW

ALL-IN - electronic control unit (excl. room thermostat) built-in inside the convector!!! More about ALL-IN option - see page 24.

Electronic control room thermostats and other elements of electronic control for all fan powered convectors FOKS - see pages 24-25

Wiring schemes most used wiring schemes and description of cable work - see page 27

| Grilles    | width                        | ALS                          |    | 78 |     | 98  |     | 121 |     | 140 |     | 159 |     |  |
|------------|------------------------------|------------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|            |                              | AL - RAL (color coated), ALL |    | 84 |     | 107 |     | 133 |     | 154 |     | 173 |     |  |
| width 20cm | ALS                          |                              | 65 |    | 98  |     | 125 |     | 154 |     | 179 |     | 210 |  |
|            | AL - RAL (color coated), ALL |                              | 70 |    | 107 |     | 136 |     | 167 |     | 195 |     | 228 |  |
| width 28cm | ALS                          |                              | 79 |    | 119 |     | 152 |     | 187 |     | 217 |     | 254 |  |
|            | AL - RAL (color coated), ALL |                              | 86 |    | 130 |     | 165 |     | 204 |     | 237 |     | 276 |  |





HEATING



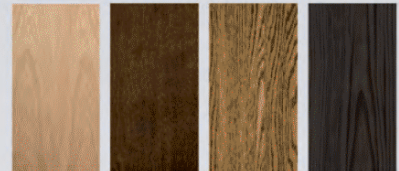
COOLING



TANGENTIAL FAN

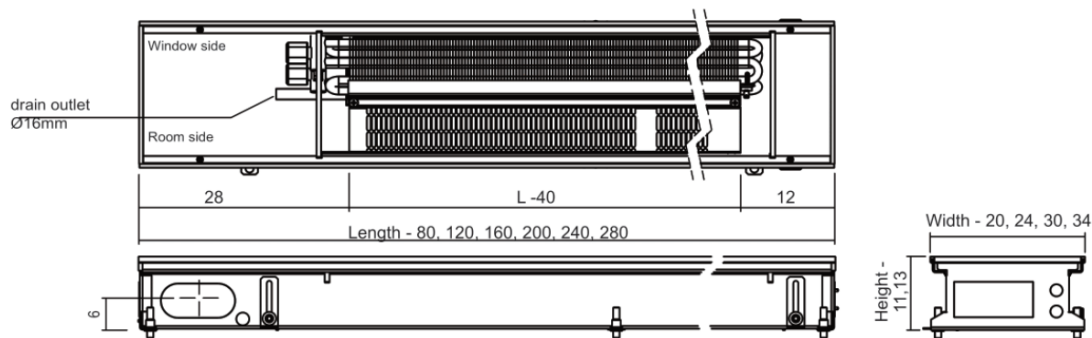


\*Rich variety of motifs





## Dimensions (cm)



## ORDER CODE (dimensions in cm)

Product code - Length / Height / Width - frame color - other specification

**FPKV-HC 200 / 11 / 20 - S - XXX**

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## ADDITIONAL SPECIFICATION

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## OPTIONAL

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"- N" - stainless steel canal AISI 304 (Additional charge + 13%)

"- SF" - noise isolation band (up to 4 dB decrease of fan noise level) additional charge +6%

"- R" - Pipe connection on the RIGHT side

## INSTALLATION

- Pipes from left side, 1/2" F, (Right side optional)
- Positioning - heat exchanger to the window side; fan to the room side
- Recommended gap between the window and the convector 8-12 cm
- Frame of the convector has to be leveled with the final floor surface
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## ELECTRICAL WIRING

- WAGO terminal block
- For ALL-IN an 220V 50Hz connection is necessary!!!
- Wiring with 3 wire or 6 wire cable ( 1mm<sup>2</sup> )
- Power supply: +24VDC, -24VDC, signal 0-10VDC
- for more information about electrical connection see page 27

## STANDARD PACKAGE CONTENT

- Black powder coated steel canal (RAL 9005)
- Stainless steel (AISI 304) basin for condens water
- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005)
- Energy saving fan (8W)
- Switch interface for easy connection of additional sensors or controllers
- Set of fixing elements
- Protective cover board

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- Noise level under 17dB (1st speed)
- 3-phase motor 24V DC
- Excellent parameters - max.power consumption 7/15 Watt/h (per each fan with 43/60mm diameter)
- All-black design
- Rubber silencers decreasing vibrations and noise
- Easy system of replacement

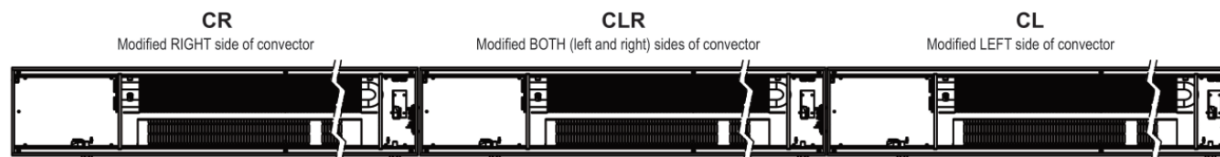


Fan specification at page 28

## SOUNDPROOFING FOIL

The outer side of the convector canal as well as its inner part in the area under the fan is covered with soundproofing foil. It further reduces fan noise as well as the potential transmission of vibrations - e.g. of joinery or metal construction. Soundproofing foil is also recommended as additional insulation when the convector is built into non-concreted structure.

## Gapless connection of build-in convectors (allows installation of "endless" grille)



| Convector width   | Product code<br>Convector Height     | Length (cm)                  |            |      |      |      |            |      |      |      |            |      |      |      |            |      |      |      |            |      |      |      |             |      |      |      |   |
|-------------------|--------------------------------------|------------------------------|------------|------|------|------|------------|------|------|------|------------|------|------|------|------------|------|------|------|------------|------|------|------|-------------|------|------|------|---|
|                   |                                      | 80                           |            |      |      | 120  |            |      |      | 160  |            |      |      | 200  |            |      |      | 240  |            |      |      | 280  |             |      |      |      |   |
|                   |                                      | Max.Power Input (Watt)       |            |      |      | 12 W |            |      |      | 17 W |            |      |      | 18 W |            |      |      | 34 W |            |      |      | 35 W |             |      |      | 36 W |   |
|                   |                                      | Fan speed                    |            | Off  | 1    | 2    | 3          | Off  | 1    | 2    | 3          | Off  | 1    | 2    | 3          | Off  | 1    | 2    | 3          | Off  | 1    | 2    | 3           | Off  | 1    | 2    | 3 |
| width 20 cm       | <b>FPKV-HC 11/20</b><br>Height 11 cm | Heat output - 75/65/20°C     | 90         | 466  | 598  | 731  | 174        | 897  | 1151 | 1406 | 218        | 1334 | 1714 | 2094 | 265        | 1775 | 2280 | 2785 | 310        | 2213 | 2841 | 3470 | 357         | 2649 | 3402 | 4157 |   |
|                   |                                      | Heat output - 55/50/20°C     | 55         | 284  | 365  | 446  | 106        | 547  | 702  | 858  | 133        | 814  | 1046 | 1277 | 162        | 1083 | 1391 | 1699 | 189        | 1350 | 1733 | 2117 | 218         | 1616 | 2075 | 2536 |   |
|                   |                                      | Cooling output - 6/12/26°C   | 0          | 131  | 183  | 238  | 0          | 252  | 353  | 457  | 0          | 371  | 526  | 681  | 0          | 495  | 700  | 905  | 0          | 617  | 872  | 1127 | 0           | 738  | 1045 | 1350 |   |
|                   |                                      | Cooling output - 8/14/26°C   | 0          | 115  | 162  | 209  | 0          | 222  | 310  | 402  | 0          | 326  | 463  | 599  | 0          | 436  | 616  | 796  | 0          | 542  | 767  | 992  | 0           | 649  | 919  | 1188 |   |
|                   |                                      | €                            | <b>421</b> |      |      |      | <b>475</b> |      |      |      | <b>514</b> |      |      |      | <b>642</b> |      |      |      | <b>765</b> |      |      |      | <b>891</b>  |      |      |      |   |
| width 24 cm       | <b>FPKV-HC 11/24</b><br>Height 11 cm | Heat output - 75/65/20°C     | 122        | 634  | 813  | 994  | 237        | 1220 | 1565 | 1912 | 296        | 1814 | 2331 | 2848 | 360        | 2414 | 3101 | 3788 | 422        | 3010 | 3864 | 4719 | 486         | 3603 | 4627 | 5654 |   |
|                   |                                      | Heat output - 55/50/20°C     | 74         | 387  | 496  | 606  | 145        | 744  | 955  | 1166 | 181        | 1107 | 1422 | 1737 | 220        | 1473 | 1892 | 2311 | 257        | 1836 | 2357 | 2879 | 296         | 2198 | 2822 | 3449 |   |
|                   |                                      | Cooling output - 6/12/26°C   | 0          | 189  | 264  | 343  | 0          | 364  | 509  | 659  | 0          | 535  | 758  | 982  | 0          | 713  | 1009 | 1305 | 0          | 889  | 1257 | 1625 | 0           | 1064 | 1506 | 1946 |   |
|                   |                                      | Cooling output - 8/14/26°C   | 0          | 165  | 233  | 301  | 0          | 320  | 447  | 580  | 0          | 470  | 668  | 864  | 0          | 629  | 888  | 1148 | 0          | 781  | 1106 | 1430 | 0           | 936  | 1325 | 1713 |   |
|                   |                                      | €                            | <b>454</b> |      |      |      | <b>535</b> |      |      |      | <b>623</b> |      |      |      | <b>717</b> |      |      |      | <b>824</b> |      |      |      | <b>925</b>  |      |      |      |   |
| width 30 cm       | <b>FPKV-HC 13/30</b><br>Height 13 cm | Heat output - 75/65/20°C     | 183        | 910  | 1080 | 1563 | 199        | 1493 | 1932 | 2370 | 283        | 2151 | 2783 | 3415 | 434        | 3249 | 4203 | 5157 | 580        | 4347 | 5624 | 6901 | 726         | 5445 | 7043 | 8642 |   |
|                   |                                      | Heat output - 55/50/20°C     | 112        | 555  | 659  | 953  | 121        | 911  | 1179 | 1446 | 173        | 1312 | 1698 | 2083 | 265        | 1982 | 2564 | 3146 | 354        | 2652 | 3431 | 4210 | 443         | 3321 | 4296 | 5272 |   |
|                   |                                      | Cooling output - 6/12/26°C   | 0          | 295  | 418  | 544  | 0          | 566  | 805  | 1046 | 0          | 801  | 1157 | 1453 | 0          | 1230 | 1753 | 2277 | 0          | 1644 | 2345 | 3046 | 0           | 1943 | 2665 | 3639 |   |
|                   |                                      | Cooling output - 8/14/26°C   | 0          | 259  | 368  | 479  | 0          | 498  | 708  | 920  | 0          | 705  | 1018 | 1278 | 0          | 1082 | 1543 | 2004 | 0          | 1447 | 2064 | 2679 | 0           | 1710 | 2345 | 3203 |   |
|                   |                                      | €                            | <b>511</b> |      |      |      | <b>600</b> |      |      |      | <b>700</b> |      |      |      | <b>805</b> |      |      |      | <b>926</b> |      |      |      | <b>1039</b> |      |      |      |   |
| width 34 cm       | <b>FPKV-HC 13/34</b><br>Height 13 cm | Heat output - 75/65/20°C     | 208        | 1033 | 1226 | 1775 | 226        | 1695 | 2194 | 2691 | 321        | 2442 | 3160 | 3878 | 493        | 3689 | 4772 | 5856 | 659        | 4936 | 6386 | 7836 | 824         | 6183 | 7997 | 9813 |   |
|                   |                                      | Heat output - 55/50/20°C     | 127        | 630  | 748  | 1083 | 138        | 1034 | 1338 | 1642 | 196        | 1490 | 1928 | 2366 | 301        | 2250 | 2911 | 3572 | 402        | 3011 | 3895 | 4780 | 503         | 3772 | 4878 | 5986 |   |
|                   |                                      | Cooling output - 6/12/26°C   | 0          | 333  | 473  | 615  | 0          | 640  | 910  | 1182 | 0          | 906  | 1308 | 1643 | 0          | 1391 | 1982 | 2574 | 0          | 1859 | 2651 | 3443 | 0           | 2196 | 3013 | 4114 |   |
|                   |                                      | Cooling output - 8/14/26°C   | 0          | 293  | 416  | 541  | 0          | 563  | 800  | 1040 | 0          | 797  | 1151 | 1445 | 0          | 1223 | 1744 | 2266 | 0          | 1636 | 2333 | 3029 | 0           | 1933 | 2651 | 3621 |   |
|                   |                                      | €                            | <b>544</b> |      |      |      | <b>617</b> |      |      |      | <b>748</b> |      |      |      | <b>857</b> |      |      |      | <b>981</b> |      |      |      | <b>1089</b> |      |      |      |   |
| Grilles (page 11) | width 20 cm                          | ALS                          | <b>51</b>  |      |      |      | <b>78</b>  |      |      |      | <b>98</b>  |      |      |      | <b>121</b> |      |      |      | <b>140</b> |      |      |      | <b>159</b>  |      |      |      |   |
|                   |                                      | AL - RAL (color coated), ALL | <b>56</b>  |      |      |      | <b>84</b>  |      |      |      | <b>107</b> |      |      |      | <b>133</b> |      |      |      | <b>154</b> |      |      |      | <b>173</b>  |      |      |      |   |
|                   | width 24 cm                          | ALS                          | <b>56</b>  |      |      |      | <b>84</b>  |      |      |      | <b>107</b> |      |      |      | <b>134</b> |      |      |      | <b>153</b> |      |      |      | <b>179</b>  |      |      |      |   |
|                   |                                      | AL - RAL (color coated), ALL | <b>60</b>  |      |      |      | <b>92</b>  |      |      |      | <b>117</b> |      |      |      | <b>147</b> |      |      |      | <b>167</b> |      |      |      | <b>195</b>  |      |      |      |   |
|                   | width 30 cm                          | ALS                          | <b>69</b>  |      |      |      | <b>106</b> |      |      |      | <b>134</b> |      |      |      | <b>167</b> |      |      |      | <b>192</b> |      |      |      | <b>225</b>  |      |      |      |   |
|                   |                                      | AL - RAL (color coated), ALL | <b>77</b>  |      |      |      | <b>114</b> |      |      |      | <b>146</b> |      |      |      | <b>184</b> |      |      |      | <b>210</b> |      |      |      | <b>244</b>  |      |      |      |   |
|                   | width 34 cm                          | ALS                          | <b>79</b>  |      |      |      | <b>119</b> |      |      |      | <b>152</b> |      |      |      | <b>187</b> |      |      |      | <b>217</b> |      |      |      | <b>254</b>  |      |      |      |   |
|                   |                                      | AL - RAL (color coated), ALL | <b>86</b>  |      |      |      | <b>130</b> |      |      |      | <b>165</b> |      |      |      | <b>204</b> |      |      |      | <b>237</b> |      |      |      | <b>276</b>  |      |      |      |   |



### 5 EASY STEPS HOW TO CHOOSE THE RIGHT CONVECTOR

- pick the convector according to required dimensions and/or its heat output
- Choose the cover grille with the same width and length as is the specification of your convector FOKS
- Choose electronic control units according to the number of convectors you want to control
- Manual or Programmable thermostat
- Additional elements and fittings (valves, el.actuator)...

### HINT

Convectors can be connected in one gapless line. This modification has to be specified in the convectors code. Consultation with our specialist is highly recommended.

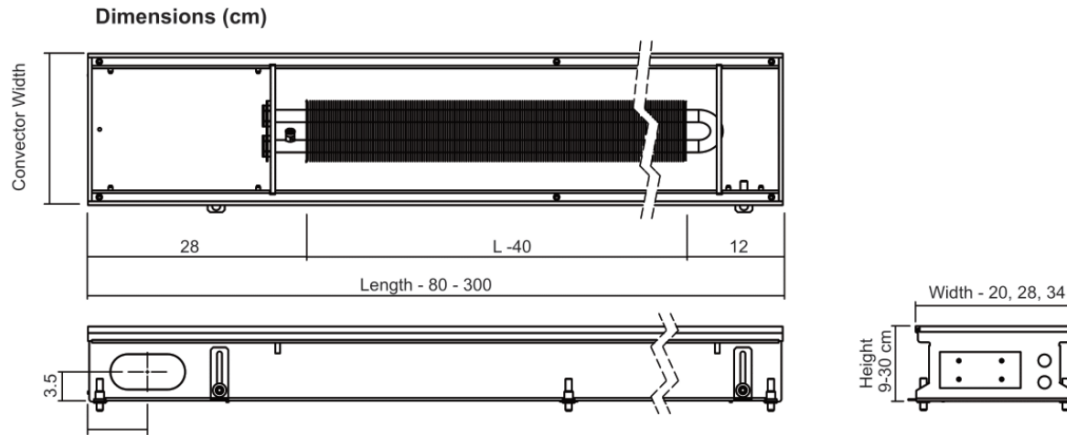
Electronic control - room thermostats and other elements of electronic control for all fan powered convectors FOKS - see page 24-25  
Wiring schemes - most used wiring schemes and description of cable work - see page 27





\*Rich variety of motifs





### ORDER CODE (dimensions in cm)

Product code - Length / Height / Width - frame color - other specification

**FPK 200 / 9 / 28 - S - XXX**

Cover grilles and electronic control has to be ordered separately



### ADDITIONAL SPECIFICATION

Frame color - "S" - silver, RALXXX (powder coated)

### OPTIONAL

"-CL-", "-CR-", "-CLR-" - gapless modification of FPKV, FPK or PKO, "CL" left, "CR" right, "CLR" both sides (convector is in the middle - see the scheme at page bottom)

"- N" - stainless steel canal AISI 304 (Additional charge + 13 %)

### MEANING OF CODES -CL, -CLR, -CR

When from designer's point of view gaps between convectors are not acceptable then there is an easy solution. Construction of convectors can be adapted so that these can be connected in one gapless line with one single seamless grille. Codes CL, CLR and CR shows which part of convector has to be modified in production so that an optimal connection can be achieved: - CL - left part, -CR - right part, -CLR - both left and right part.

Deciding is the view towards the window (no matter whether convector is with right pipe connection "-R"). Consultation with our specialists is recommended.

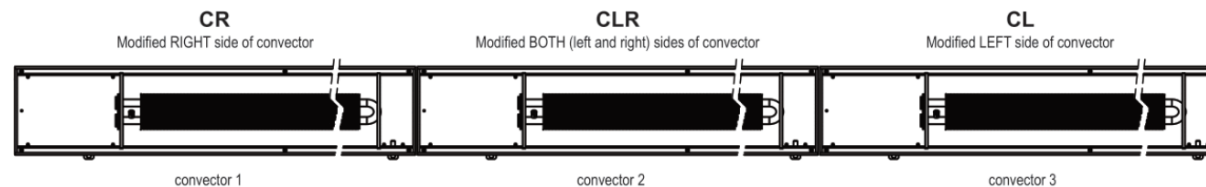
### STANDARD PACKAGE CONTENT

- Black powder coated steel canal (RAL 9005)
- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005)
- Set of fixing elements
- Protective cover board

### INSTALLATION

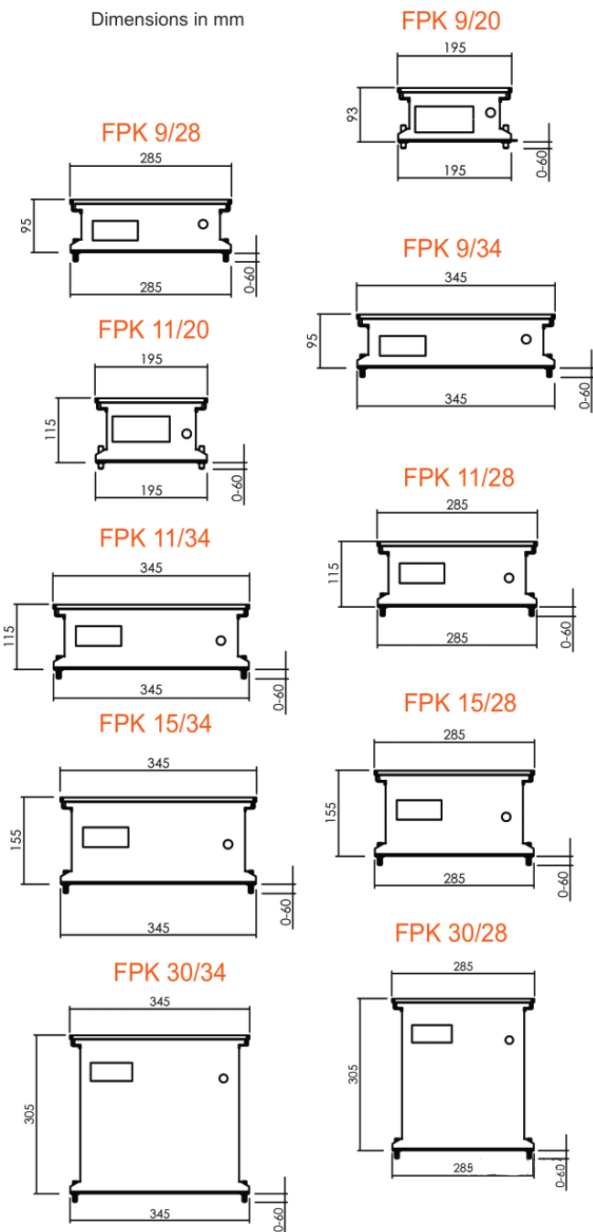
Pipes from left side, 1/2" F, (Right side optional)  
Positioning - heat exchanger to the window side; fan to the room side  
Recommended gap between the window and the convector 8-12 cm  
Frame of the convector has to be leveled with the final floor surface  
No gap between the bottom of the convector and the concrete should remain unfilled.

### Gapless connection of build-in convectors (allows installation of "endless" grille)





Dimensions in mm



|           | Length (cm) | 80         | 100        | 120        | 140        | 160        | 180        | 200        | 220        | 240        | 260        | 280        | 300        |
|-----------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| FPK 9/20  | 75/65/20°C  | 148        | 203        | 256        | 310        | 359        | 417        | 464        | 520        | 572        | 624        | 676        | 730        |
|           | 55/50/20°C  | 80         | 110        | 138        | 167        | 194        | 225        | 251        | 281        | 309        | 337        | 365        | 394        |
|           | €           | <b>99</b>  | <b>115</b> | <b>141</b> | <b>154</b> | <b>168</b> | <b>181</b> | <b>201</b> | <b>217</b> | <b>229</b> | <b>248</b> | <b>268</b> | <b>294</b> |
| FPK 9/28  | 75/65/20°C  | 150        | 210        | 270        | 330        | 390        | 450        | 510        | 569        | 630        | 689        | 750        | 809        |
|           | 55/50/20°C  | 81         | 113        | 146        | 178        | 211        | 243        | 275        | 307        | 340        | 372        | 405        | 437        |
|           | €           | <b>103</b> | <b>128</b> | <b>149</b> | <b>165</b> | <b>173</b> | <b>186</b> | <b>206</b> | <b>227</b> | <b>243</b> | <b>264</b> | <b>280</b> | <b>300</b> |
| FPK 9/34  | 75/65/20°C  | 227        | 302        | 379        | 461        | 538        | 626        | 694        | 775        | 857        | 929        | 1010       | 1088       |
|           | 55/50/20°C  | 123        | 163        | 205        | 249        | 291        | 338        | 375        | 419        | 463        | 502        | 545        | 588        |
|           | €           | <b>134</b> | <b>159</b> | <b>184</b> | <b>209</b> | <b>235</b> | <b>260</b> | <b>287</b> | <b>313</b> | <b>338</b> | <b>363</b> | <b>388</b> | <b>414</b> |
| FPK 11/20 | 75/65/20°C  | 149        | 203        | 254        | 307        | 358        | 419        | 465        | 517        | 569        | 620        | 673        | 726        |
|           | 55/50/20°C  | 80         | 110        | 137        | 166        | 193        | 226        | 251        | 279        | 307        | 335        | 363        | 392        |
|           | €           | <b>100</b> | <b>124</b> | <b>150</b> | <b>163</b> | <b>178</b> | <b>191</b> | <b>203</b> | <b>224</b> | <b>241</b> | <b>261</b> | <b>283</b> | <b>303</b> |
| FPK 11/28 | 75/65/20°C  | 162        | 227        | 291        | 356        | 421        | 485        | 551        | 616        | 680        | 745        | 810        | 874        |
|           | 55/50/20°C  | 87         | 123        | 157        | 192        | 227        | 262        | 298        | 333        | 367        | 402        | 437        | 472        |
|           | €           | <b>104</b> | <b>129</b> | <b>156</b> | <b>167</b> | <b>183</b> | <b>197</b> | <b>216</b> | <b>238</b> | <b>257</b> | <b>278</b> | <b>301</b> | <b>322</b> |
| FPK 11/34 | 75/65/20°C  | 263        | 357        | 449        | 540        | 633        | 738        | 821        | 916        | 1009       | 1097       | 1194       | 1285       |
|           | 55/50/20°C  | 142        | 193        | 242        | 292        | 342        | 399        | 443        | 495        | 545        | 592        | 645        | 694        |
|           | €           | <b>138</b> | <b>165</b> | <b>191</b> | <b>217</b> | <b>243</b> | <b>269</b> | <b>296</b> | <b>322</b> | <b>348</b> | <b>375</b> | <b>401</b> | <b>427</b> |
| FPK 15/28 | 75/65/20°C  | 228        | 320        | 411        | 502        | 593        | 684        | 776        | 867        | 959        | 1050       | 1141       | 1232       |
|           | 55/50/20°C  | 123        | 173        | 222        | 271        | 320        | 369        | 419        | 468        | 518        | 567        | 616        | 665        |
|           | €           | <b>130</b> | <b>158</b> | <b>190</b> | <b>214</b> | <b>236</b> | <b>255</b> | <b>280</b> | <b>306</b> | <b>332</b> | <b>358</b> | <b>384</b> | <b>410</b> |
| FPK 15/34 | 75/65/20°C  | 341        | 458        | 582        | 701        | 820        | 958        | 1059       | 1180       | 1303       | 1422       | 1541       | 1660       |
|           | 55/50/20°C  | 184        | 247        | 314        | 379        | 443        | 517        | 572        | 637        | 704        | 768        | 832        | 896        |
|           | €           | <b>223</b> | <b>263</b> | <b>303</b> | <b>343</b> | <b>384</b> | <b>423</b> | <b>466</b> | <b>506</b> | <b>547</b> | <b>588</b> | <b>628</b> | <b>668</b> |
| FPK 30/28 | 75/65/20°C  | 338        | 475        | 610        | 745        | 880        | 1015       | 1151       | 1286       | 1423       | 1558       | 1693       | 1828       |
|           | 55/50/20°C  | 183        | 257        | 329        | 402        | 475        | 548        | 622        | 694        | 768        | 841        | 914        | 987        |
|           | €           | <b>153</b> | <b>191</b> | <b>227</b> | <b>253</b> | <b>264</b> | <b>277</b> | <b>293</b> | <b>319</b> | <b>344</b> | <b>370</b> | <b>399</b> | <b>422</b> |
| FPK 30/34 | 75/65/20°C  | 549        | 738        | 938        | 1130       | 1321       | 1544       | 1706       | 1901       | 2100       | 2291       | 2483       | 2675       |
|           | 55/50/20°C  | 296        | 399        | 507        | 610        | 713        | 834        | 921        | 1027       | 1134       | 1237       | 1341       | 1445       |
|           | €           | <b>198</b> | <b>234</b> | <b>270</b> | <b>307</b> | <b>342</b> | <b>378</b> | <b>415</b> | <b>452</b> | <b>488</b> | <b>524</b> | <b>560</b> | <b>596</b> |



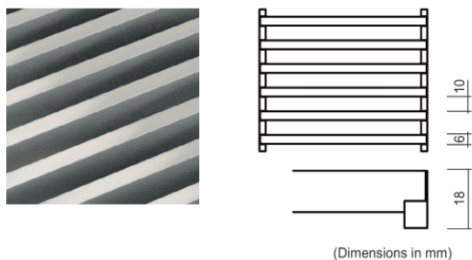
COVER GRILLES FPK ARE SEPARATE PRODUCT. MORE ABOUT COVER GRILLES AT PAGE 11.

|            |                              | Length (cm) |     |     |     |     |     |     |     |     |     |     |     |
|------------|------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            |                              | 80          | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 |
| width 20cm | ALS                          | 51          | 64  | 78  | 89  | 98  | 109 | 121 | 132 | 140 | 150 | 159 | 167 |
|            | AL - RAL (color coated), ALL | 56          | 69  | 84  | 96  | 107 | 119 | 133 | 144 | 154 | 163 | 173 | 184 |
| width 24cm | ALS                          | 58          | 72  | 87  | 100 | 111 | 124 | 137 | 150 | 160 | 173 | 184 | 197 |
|            | AL - RAL (color coated), ALL | 63          | 80  | 95  | 109 | 121 | 135 | 150 | 163 | 175 | 188 | 201 | 213 |
| width 28cm | ALS                          | 65          | 81  | 98  | 112 | 125 | 139 | 154 | 167 | 179 | 194 | 210 | 224 |
|            | AL - RAL (color coated), ALL | 70          | 89  | 107 | 123 | 136 | 152 | 167 | 183 | 195 | 212 | 228 | 243 |
| width 30cm | ALS                          | 69          | 87  | 106 | 120 | 134 | 149 | 167 | 179 | 192 | 207 | 225 | 240 |
|            | AL - RAL (color coated), ALL | 77          | 96  | 114 | 132 | 146 | 163 | 184 | 195 | 210 | 221 | 244 | 261 |
| width 34cm | ALS                          | 79          | 99  | 119 | 136 | 152 | 168 | 187 | 203 | 217 | 235 | 254 | 272 |
|            | AL - RAL (color coated), ALL | 86          | 108 | 130 | 149 | 165 | 185 | 204 | 221 | 237 | 256 | 276 | 296 |

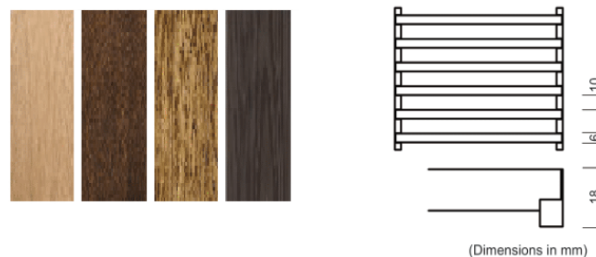
Aluminum frame for floor convectors FOKS (FPKV, FPKV-HC, FPK) - replacement

|                       |              |
|-----------------------|--------------|
| Aluminum frame Silver | 4 (€ per 1m) |
| Aluminum frame RAL    | 6 (€ per 1m) |

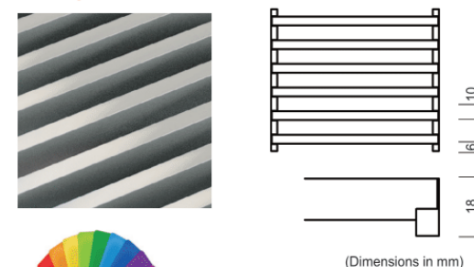
### ALS - silver



### ALL - with lamination



### ALS - powder coated



AL - RAL

## SEGMENTS FROM COLOR ANODIZED ALUMINUM

- Segments from AL profile. Suitable for wet and humid premises
- Silver anodization
- Unique construction allows assembling of long seamless grilles
- Air permeability 62%

## SEGMENTS WITH WOOD IMITATING LAMINATION

- Segments from AL profile. Suitable for wet and humid premises
- Air permeability 62%
- Lamination with foil imitating different types of wood at the request of the client
- It is recommended AL frame to be in the same color as the grille (RAL powder coated frame - Additional charge + 3.50 € per 1m)
- Unique construction allows assembling of long seamless grilles

## SEGMENTS COLORED WITH POWDER COATING

- Segments from AL profile. Suitable for wet and humid premises
- Air permeability 62%
- RAL powder coating at the request of the client, ORDER CODE "-RAL [RAL code]" - Additional charge + 9%
- It is recommended AL frame to be in the same color as the grille (RAL powder coated frame - Additional charge + 3.50 € per 1m)
- Unique construction allows assembling of long seamless grilles

## ORDER CODE (dimensions in cm)

Product code - Length / Width - material - other

**FPR 200 / 28 - ALS - [-RALXXXX]**

Product code - Length / Width - material - other

**FPR 200 / 28 - ALL**

Aluminum frame for floor convectors FOKS

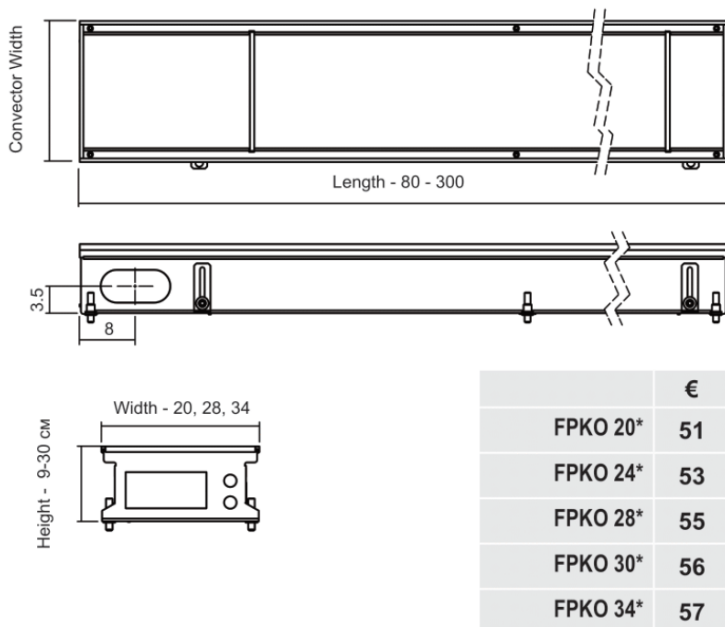
Product code - Length - material - other

**FAR 200 - ALS - [-RALXXXX]**



### PLAIN CANAL FOKS PKO

#### Dimensions (cm)



|          | €  |
|----------|----|
| FPKO 20* | 51 |
| FPKO 24* | 53 |
| FPKO 28* | 55 |
| FPKO 30* | 56 |
| FPKO 34* | 57 |

\*Price per 1 running meter, any height (minimum price for order is € 14).

#### ORDER CODE (dimensions in cm)

| Product code | - Length / Height / Width | - grille color | - optional   |
|--------------|---------------------------|----------------|--------------|
| <b>FPKO</b>  | <b>200 / 9 / 28</b>       | <b>- S</b>     | <b>- XXX</b> |

Cover grilles have to be ordered separately

#### ADDITIONAL SPECIFICATION OPTIONAL

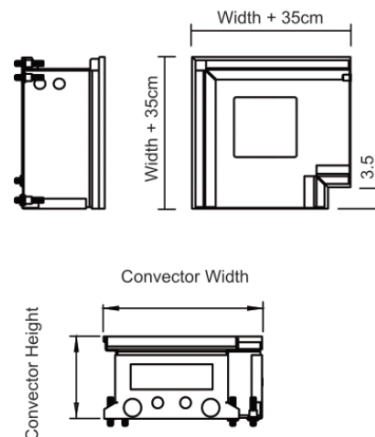
Frame color - "S" - silver, RALXXX (powder coated)

"-CL-", "-CR-", "-CLR-" - gapless modification of FPKV, FPK or PKO, "CL" left, "CR" right, "CLR" both sides (convector is in the middle)

"- N" - stainless steel canal AISI 304 (Additional charge + 13 %)

### CORNER CONNECTION FOR FLOOR CONVECTORS FOKS CO

#### Dimensions (cm)



|          | €   |
|----------|-----|
| FCO - 20 | 110 |
| FCO - 24 | 115 |
| FCO - 28 | 122 |
| FCO - 30 | 123 |
| FCO - 34 | 132 |

#### ORDER CODE (dimensions in cm)

Product code - Height / Width / angle (°) - frame color - grille material [color]

**FCO 11 / 28 / 90 - S - ALS**

Cover grilles have to be ordered separately

#### ADDITIONAL SPECIFICATION ADDITIONAL INFORMATION

Frame color - "S" - silver, RALXXX (powder coated)

Grille color - "ALS" - silver, RALXXX (powder coated), "ALL" - with lamination

"- N" - stainless steel canal AISI 304 (Additional charge + 13 %)

Grille is part of the corner element. Material and color of frame and grille should be the same as connected convector.

Corner element is ready for installation of electrical elements (i.e. power supply).

Corner element is fitted with openings for pipe connections, cables and also for vertical pipe connection.

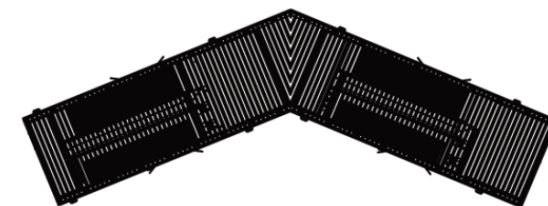
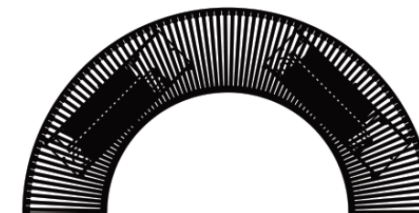
Price of the corner element is the same for all heights of standard convectors from FOKS production range.

### CONVECTORS WITH CUSTOMIZED SHAPES AND DIMENSIONS

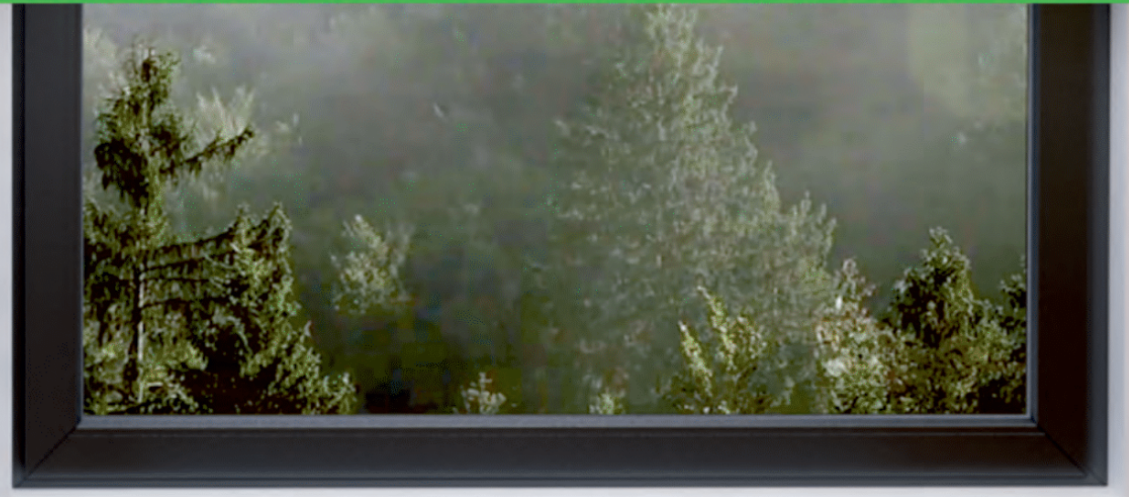
#### CUSTOMIZED ANGLES AND ROUNDED SHAPES

Everything is possible however sometimes we simply need your help. Every convector FOKS can be produced with customized dimensions and shapes. Some additional information (provided by the customer) are necessary so that we can accept the order.

Please contact our sales department so that we can find the right solution for you.



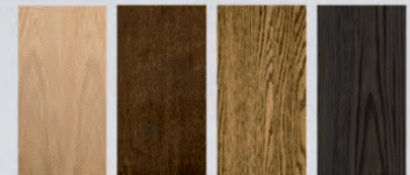




HEATING

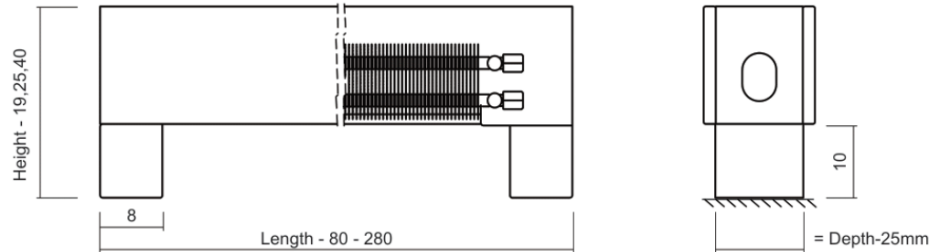


\*Rich variety of motifs





### Dimensions (cm)



### ORDER CODE (dimensions in cm)

Product code - Length / Depth / Height\* - grille color - optional

**FSK [-BT] 200 / 19 / 25 - S - RALXXXX**

\* Height means the total height of body and floor brackets



### ADDITIONAL SPECIFICATION

“- BT” - modification with double sized heat exchanger (higher Heat output)

“-FP” - modification with unfied front panel, “SP”- split front panel - Additional charge +8% (only for 40cm height)

Grille color - “S” - silver, “B” - bronze (dark brown), powder coated RAL XXXX

“- N” - stainless steel body AISI 304 (Additional charge + 13 %) + powder coating RAL9016 - white matt

“-SD” - openings for two pipes in the side of convector (side connection with the heating system) - see below

“-CL” - no opening for pipe - both panels are closed (i.e. when convector is controlled by el.actuator) - see below

“-KN” - wall mounted convector. Convector is assembled with set of wall brackets instead of floor feet.

“-RAL XXXX” - non-standard color of powder coating. Additional charge + 5%

### TIPIPE CONNECTION

- 1/2" thread, F

- Heights 14cm, 40cm - inlet and outlet connection from one side of convector. Distance between inlet and outlet pipe 50mm

- Height 09cm - connection from opposite sides

- Symmetrical position of inlet and outlet pipe allows both LEFT or RIGHT connection



### OPTIONAL COLORS OF BODY AND GRILLE

see page 20

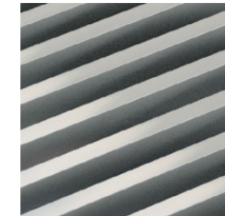
### STANDARD PACKAGE CONTENT

- Steel powder coated body (RAL 9016 matt)
- Set of floor feet (wall brackets optional)
- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005) (modification FSK-BT - double sized heat exchanger)
- Linear AL grille, silver color
- Set of fixing element

### MATERIAL AND SURFACE TREATMENT OF GRILLES

- Electroplated AL profile
- Standard color (without additional specification) “S” - silver
- Powder coating in the same color as body - no additional charge
- Powder coating in different color than the body with additional charge +5%

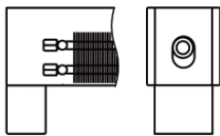
### Aluminium



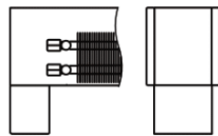
### WOOD IMITATING LAMINATION



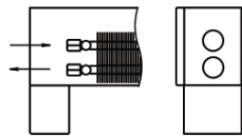
### PIPE CONNECTION OPTIONS AND THEIR CODES



Standard floor or wall connection, one opening from side.



“-CL” floor or wall connection, side panel closed

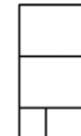


“-SD” side connection, two side openings

### MODIFICATION WITH UNFIED AND SPLIT FRONT PANEL

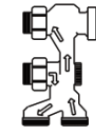


Unfied front panel “-FP”



Split front panel “-SP”

### ASSEMBLY VALVE



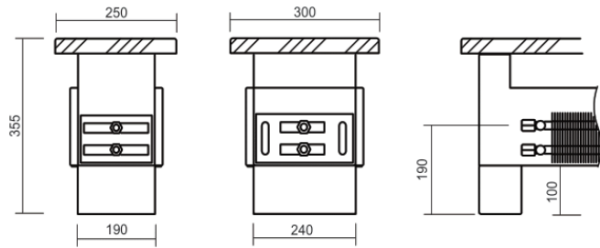
Recommended valve assembly (code FH401) - only for 25 and 40 cm height







### Dimensions (cm)



### ORDER CODE (dimensions in cm)

Product code - Length / Depth - Wood of the board - optional  
**FSK - D 200 / 19 - Beech/Oak - RALXXXX**



### ADDITIONAL SPECIFICATION

“- N” - stainless steel body AISI 304 (Additional charge +13%) + powder coating RAL9016 - white matt

“-SD” - openings for two pipes in the side of convector (side connection with the heating system) - see below

“-CL” - no opening for pipe - both panels are closed (i.e. when convector is controlled by el.actuator) - see below

“-RAL XXXX” - non-standard color of powder coating. For more information about colors without charge see page 24. Additional charge + 5%

### PIPE CONNECTION

- 1/2" thread, F
- Symmetrical position of inlet and outlet pipe allows both LEFT or RIGHT connection



### OPTIONAL COLORS OF BODY AND GRILLE

see page 20

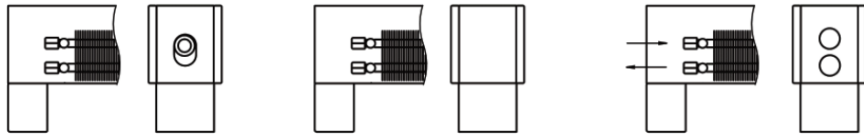
### STANDARD PACKAGE CONTENT

- Steel powder coated body (RAL 9016 matt)
- Set of floor feet
- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005)
- Set of fixing elements
- Top panel from natural wood. TEAK oil surface treatment.

### MATERIAL AND SURFACE TREATMENT OF WOODEN BOARD

- Natural wood MAHOGANY, OAK, BEECH
- Polished surface, matt
- TEAK oil surface treatment
- Panel thickness 25mm, forced with lengthwise rib
- Ready to use

### PIPE CONNECTION OPTIONS AND THEIR CODES

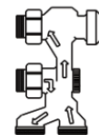


Standard floor or wall connection, one opening from side.

“-CL” floor or wall connection, side panel closed

“-SD” side connection, two side openings

### ASSEMBLY VALVE

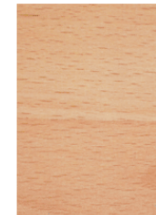


Recommended valve assembly (code FH401) - only for 25 and 40 cm height

MAHOGANY



BEECH



OAK





## FOKS DWARF REST - FSK [-BT] PRICES AND HEATING OUTPUT

|           | Length (cm) | 80         | 100        | 120        | 140        | 160        | 180        | 200        | 220        | 240        | 260        | 280        |
|-----------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| FSK 09/19 | 75/65/20°C  | 244        | 306        | 372        | 423        | 478        | 558        | 640        | 687        | 740        | 813        | 887        |
|           | 55/50/20°C  | 132        | 165        | 201        | 228        | 258        | 301        | 346        | 371        | 400        | 439        | 479        |
|           | €           | <b>93</b>  | <b>101</b> | <b>114</b> | <b>129</b> | <b>145</b> | <b>156</b> | <b>165</b> | <b>179</b> | <b>192</b> | <b>206</b> | <b>218</b> |
| FSK 09/25 | 75/65/20°C  | 326        | 395        | 484        | 557        | 645        | 737        | 810        | 923        | 978        | 1083       | 1157       |
|           | 55/50/20°C  | 176        | 213        | 261        | 301        | 348        | 398        | 437        | 498        | 528        | 585        | 625        |
|           | €           | <b>105</b> | <b>113</b> | <b>129</b> | <b>146</b> | <b>162</b> | <b>175</b> | <b>186</b> | <b>202</b> | <b>216</b> | <b>231</b> | <b>246</b> |
| FSK 09/40 | 75/65/20°C  | 423        | 534        | 601        | 760        | 868        | 1085       | 1115       | 1238       | 1349       | 1454       | 1575       |
|           | 55/50/20°C  | 228        | 288        | 325        | 410        | 469        | 586        | 602        | 669        | 728        | 785        | 851        |
|           | €           | <b>140</b> | <b>153</b> | <b>173</b> | <b>194</b> | <b>217</b> | <b>234</b> | <b>250</b> | <b>270</b> | <b>290</b> | <b>310</b> | <b>330</b> |
| FSK 14/19 | 75/65/20°C  | 440        | 539        | 640        | 748        | 863        | 970        | 1074       | 1221       | 1320       | 1414       | 1504       |
|           | 55/50/20°C  | 238        | 291        | 346        | 404        | 466        | 524        | 580        | 659        | 713        | 764        | 812        |
|           | €           | <b>105</b> | <b>113</b> | <b>129</b> | <b>146</b> | <b>162</b> | <b>175</b> | <b>186</b> | <b>202</b> | <b>216</b> | <b>231</b> | <b>246</b> |
| FSK 14/25 | 75/65/20°C  | 521        | 671        | 798        | 932        | 1077       | 1206       | 1366       | 1497       | 1621       | 1766       | 1922       |
|           | 55/50/20°C  | 281        | 362        | 431        | 503        | 582        | 651        | 738        | 808        | 875        | 954        | 1038       |
|           | €           | <b>134</b> | <b>146</b> | <b>164</b> | <b>185</b> | <b>207</b> | <b>223</b> | <b>237</b> | <b>257</b> | <b>276</b> | <b>295</b> | <b>314</b> |
| FSK 14/40 | 75/65/20°C  | 660        | 811        | 959        | 1132       | 1301       | 1463       | 1616       | 1842       | 1992       | 2135       | 2273       |
|           | 55/50/20°C  | 356        | 438        | 518        | 611        | 703        | 790        | 873        | 995        | 1076       | 1153       | 1227       |
|           | €           | <b>150</b> | <b>168</b> | <b>189</b> | <b>212</b> | <b>238</b> | <b>257</b> | <b>277</b> | <b>298</b> | <b>320</b> | <b>342</b> | <b>364</b> |
| FSK 19/19 | 75/65/20°C  | 682        | 836        | 990        | 1172       | 1344       | 1514       | 1678       | 1904       | 2060       | 2210       | 2354       |
|           | 55/50/20°C  | 368        | 451        | 535        | 633        | 726        | 818        | 906        | 1028       | 1112       | 1193       | 1271       |
|           | €           | <b>128</b> | <b>138</b> | <b>157</b> | <b>178</b> | <b>199</b> | <b>213</b> | <b>227</b> | <b>245</b> | <b>264</b> | <b>282</b> | <b>301</b> |
| FSK 19/25 | 75/65/20°C  | 730        | 914        | 1104       | 1309       | 1499       | 1670       | 1862       | 2076       | 2267       | 2430       | 2650       |
|           | 55/50/20°C  | 394        | 494        | 596        | 707        | 809        | 902        | 1005       | 1121       | 1224       | 1312       | 1431       |
|           | €           | <b>177</b> | <b>200</b> | <b>228</b> | <b>253</b> | <b>278</b> | <b>307</b> | <b>329</b> | <b>354</b> | <b>380</b> | <b>406</b> | <b>432</b> |
| FSK 19/40 | 75/65/20°C  | 1021       | 1258       | 1402       | 1760       | 2023       | 2281       | 2527       | 2871       | 3108       | 3335       | 3554       |
|           | 55/50/20°C  | 551        | 679        | 757        | 950        | 1092       | 1232       | 1365       | 1550       | 1678       | 1801       | 1919       |
|           | €           | <b>199</b> | <b>224</b> | <b>253</b> | <b>281</b> | <b>312</b> | <b>342</b> | <b>370</b> | <b>395</b> | <b>424</b> | <b>453</b> | <b>483</b> |

|              | Length (cm) | 80         | 100        | 120        | 140        | 160        | 180        | 200        | 220        | 240        | 260        | 280        |
|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| FSK 24/19    | 75/65/20°C  | 737        | 920        | 1106       | 1311       | 1513       | 1675       | 1871       | 2067       | 2065       | 2463       | 2622       |
|              | 55/50/20°C  | 398        | 497        | 597        | 708        | 817        | 905        | 1010       | 1116       | 1115       | 1330       | 1416       |
|              | €           | <b>140</b> | <b>153</b> | <b>173</b> | <b>194</b> | <b>217</b> | <b>234</b> | <b>250</b> | <b>270</b> | <b>290</b> | <b>310</b> | <b>330</b> |
| FSK 24/25    | 75/65/20°C  | 925        | 1140       | 1346       | 1597       | 1842       | 2071       | 2297       | 2608       | 2823       | 3032       | 3232       |
|              | 55/50/20°C  | 500        | 616        | 727        | 862        | 995        | 1118       | 1240       | 1408       | 1524       | 1637       | 1745       |
|              | €           | <b>220</b> | <b>254</b> | <b>290</b> | <b>320</b> | <b>347</b> | <b>389</b> | <b>421</b> | <b>450</b> | <b>484</b> | <b>516</b> | <b>550</b> |
| FSK 24/40    | 75/65/20°C  | 1172       | 1433       | 1680       | 1978       | 2264       | 2524       | 2775       | 3121       | 3348       | 3560       | 3756       |
|              | 55/50/20°C  | 633        | 774        | 907        | 1068       | 1223       | 1363       | 1499       | 1685       | 1808       | 1922       | 2028       |
|              | €           | <b>268</b> | <b>303</b> | <b>339</b> | <b>368</b> | <b>396</b> | <b>438</b> | <b>469</b> | <b>537</b> | <b>576</b> | <b>616</b> | <b>657</b> |
| FSK-BT 14/40 | 75/65/20°C  | 836        | 1064       | 1292       | 1487       | 1730       | 1938       | 2136       | 2360       | 2584       | 2787       | 3028       |
|              | 55/50/20°C  | 451        | 575        | 698        | 803        | 934        | 1047       | 1153       | 1274       | 1395       | 1505       | 1635       |
|              | €           | <b>225</b> | <b>253</b> | <b>285</b> | <b>318</b> | <b>358</b> | <b>386</b> | <b>415</b> | <b>447</b> | <b>480</b> | <b>513</b> | <b>546</b> |
| FSK-BT 19/40 | 75/65/20°C  | 1130       | 1395       | 1694       | 1987       | 2260       | 2544       | 2850       | 3117       | 3400       | 3700       | 3997       |
|              | 55/50/20°C  | 610        | 753        | 915        | 1073       | 1220       | 1374       | 1539       | 1683       | 1836       | 1998       | 2158       |
|              | €           | <b>298</b> | <b>336</b> | <b>380</b> | <b>422</b> | <b>468</b> | <b>513</b> | <b>555</b> | <b>594</b> | <b>638</b> | <b>680</b> | <b>724</b> |
| FSK-BT 24/40 | 75/65/20°C  | 1484       | 1853       | 2223       | 2620       | 2981       | 3346       | 3708       | 4105       | 4479       | 4846       | 5236       |
|              | 55/50/20°C  | 801        | 1001       | 1200       | 1415       | 1610       | 1807       | 2002       | 2217       | 2419       | 2617       | 2827       |
|              | €           | <b>404</b> | <b>454</b> | <b>510</b> | <b>553</b> | <b>595</b> | <b>657</b> | <b>704</b> | <b>806</b> | <b>864</b> | <b>924</b> | <b>986</b> |

## FSK-D - PRICES AND HEATING OUTPUT

|          |            |            |            |            |            |            |            |            |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|
| FSK-D 19 | 75/65/20°C | 766        | 953        | 1 146      | 1 377      | 1 604      | 1 835      | 2 067      |
|          | 55/50/20°C | 414        | 515        | 619        | 744        | 866        | 991        | 1116       |
|          | €          | <b>251</b> | <b>267</b> | <b>297</b> | <b>336</b> | <b>372</b> | <b>394</b> | <b>410</b> |
| FSK-D 24 | 75/65/20°C | 995        | 1 243      | 1 489      | 1 792      | 2 098      | 2 394      | 2 696      |
|          | 55/50/20°C | 537        | 671        | 804        | 968        | 1133       | 1293       | 1456       |
|          | €          | <b>306</b> | <b>335</b> | <b>373</b> | <b>417</b> | <b>459</b> | <b>493</b> | <b>517</b> |







HEATING



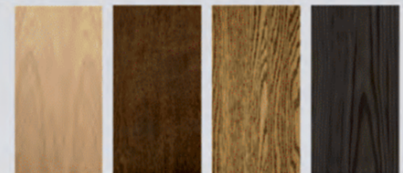
COOLING



TANGENTIAL FAN



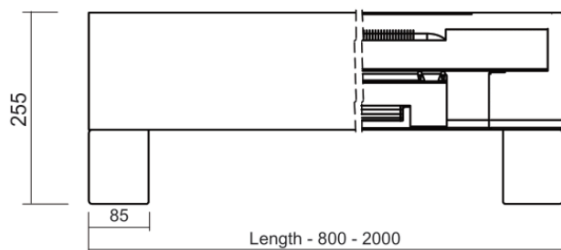
\*Rich variety of motifs



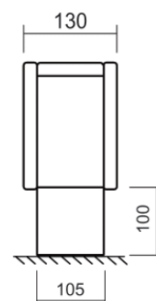




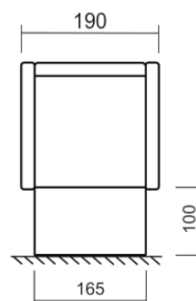
Dimensions (mm)



FSKV 13/25



FSKV-HC 19/25



### ORDER CODE (dimensions in cm)

product code - Length / Depth / Height\* - grille color - optional - built-in control  
**FSK [ -BT ] 200 / 13 / 25 - S - RALXXXX - [ALL-IN]**

\* Height means the total height of body and floor brackets

### ADDITIONAL SPECIFICATION

"- N" - stainless steel body AISI 304 (Additional charge + 13 %) + powder coating RAL9016 - white matt

"-KN" - wall mounted convector. Convector is assembled with set of wall brackets instead of floor feet

"-RAL XXXX" - non-standard color of powder coating. Additional charge + 5%

### ALL-IN BUILT-IN CONTROL

- Thermostat with LCD FOKS MTF806
- Power supply 15W
- Electronic control unit (fan speed control) "MEU2"

### PIPE CONNECTION

- One side, two pipe system, 1/2" thread F

### ELECTRICAL CONNECTION

- WAGO terminal block
- For ALL-IN an 220V 50Hz connection is necessary!!!
- Wiring with 3 wire or 6 wire cable ( 1mm<sup>2</sup> )
- Power supply: +24VDC,-24VDC, signal 0-10VDC
- for more information about electrical connection see page 27-

### STANDARD PACKAGE CONTENT

- Steel powder coated body (RAL 9016 matt) with floor feet
- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005)
- Energy saving fan
- Switch interface for easy connection of additional sensors or controllers
- Set of fixing elements
- hex mounting key



### OPTIONAL COLORS OF BODY AND GRILLE

see page 20



### NEW GENERATION OF ENERGY SAVING FANS

- Noise level under 17dB (1st speed)
- 3-phase motor 24V DC
- Excellent parameters - max.power consumption 7/15 Watt/h (per each fan with 43/60mm diameter)
- All-black design
- Rubber silencers decreasing vibrations and noise
- Easy system of replacement

Fan specification at Page 28





|   | Length (cm)                | 80                  |       |      |            | 120        |       |      |            | 160        |       |      |            | 200        |        |      |      |                               |
|---|----------------------------|---------------------|-------|------|------------|------------|-------|------|------------|------------|-------|------|------------|------------|--------|------|------|-------------------------------|
|   |                            | Max.power input (W) | 7,6 W |      |            |            | 7,8 W |      |            |            | 8,2 W |      |            |            | 15,2 W |      |      |                               |
|  <b>FSKV 13/25</b><br>heating only           | Fan speed                  | Off                 | 1     | 2    | 3          | Off        | 1     | 2    | 3          | Off        | 1     | 2    | 3          | Off        | 1      | 2    | 3    | <b>ALL-IN</b>                 |
|   | Acoustic pressure          | 0                   | 17.2  | 24.5 | 31.1       | 0          | 17.3  | 24.6 | 31.4       | 0          | 17.4  | 24.8 | 31.7       | 0          | 17.8   | 25.2 | 32.2 |                               |
|   | Air volume (m³/min)        | 0                   | 0.9   | 1.2  | 1.5        | 0          | 1.8   | 2.3  | 2.9        | 0          | 2.8   | 3.5  | 4.4        | 0          | 3.7    | 4.7  | 5.8  |                               |
|   | Heat output - 75/65/20°C   | 119                 | 581   | 747  | 911        | 172        | 1112  | 1429 | 1745       | 215        | 1390  | 1786 | 2181       | 258        | 1668   | 2144 | 2618 |                               |
|   | Heat output - 55/50/20°C   | 73                  | 354   | 456  | 556        | 105        | 678   | 872  | 1064       | 131        | 848   | 1089 | 1330       | 157        | 1017   | 1308 | 1597 |                               |
|   | €                          | <b>331</b>          |       |      |            | <b>408</b> |       |      |            | <b>486</b> |       |      |            | <b>605</b> |        |      |      |                               |
|  <b>FSKV-HC 19/25</b><br>heating and cooling | Fan speed                  | Off                 | 1     | 2    | 3          | Off        | 1     | 2    | 3          | Off        | 1     | 2    | 3          | Off        | 1      | 2    | 3    | <b>ALL-IN - not available</b> |
|   | Acoustic pressure          | 0                   | 17.2  | 24.5 | 31.1       | 0          | 17.3  | 24.6 | 31.4       | 0          | 17.4  | 24.8 | 31.7       | 0          | 17.8   | 25.2 | 32.2 |                               |
|   | Heat output - 75/65/20°C   | 179                 | 890   | 1057 | 1530       | 428        | 1716  | 2035 | 2947       | 503        | 2518  | 2992 | 4333       | 693        | 3332   | 3949 | 5714 |                               |
|   | Heat output - 55/50/20°C   | 109                 | 543   | 645  | 933        | 261        | 1047  | 1241 | 1798       | 307        | 1536  | 1825 | 2643       | 423        | 2033   | 2409 | 3486 |                               |
|   | Cooling output - 6/12/26°C | 0                   | 373   | 530  | 689        | 0          | 717   | 1019 | 1324       | 0          | 1015  | 1465 | 1840       | 0          | 1558   | 2220 | 2883 |                               |
|   | Cooling output - 8/14/26°C | 0                   | 328   | 466  | 606        | 0          | 631   | 896  | 1165       | 0          | 893   | 1289 | 1618       | 0          | 1370   | 1953 | 2538 |                               |
| €   | <b>487</b>                 |                     |       |      | <b>572</b> |            |       |      | <b>667</b> |            |       |      | <b>766</b> |            |        |      |      |                               |



| Electronic control<br>page 24-25<br>wiring diagrams<br>page 27 | Code   |           | €  | Max. controlled convectors ** | Power output  | Max. power input | Free positions *  |                           |    |
|--|--|-----------|----|-------------------------------|---------------|------------------|-------------------|---------------------------|----|
|  | Control module MEU + Power Supply 24V DC (page 24) | ZM-30-MEU |    | 33                            | от 1 до 4 бр. | 30 W             | 1,2 A             | 8 (c MEU-1) / 6 (c MEU-2) |    |
|  |  | ZM-60-MEU |    | 53                            | от 1 до 8 бр. | 60 W             | 2,5 A             | 8 (c MEU-1) / 6 (c MEU-2) |    |
| Room thermostats FOKS (page 26)                                | Manual   | Code      | €  | Manual, LCD                   | Code          | €                | Code              | €                         |    |
|  |  | MTF02A    | 20 |                               | MTF806        | 35               | Programmable, LCD | MTF01F                    | 55 |

Diagram contains only part of electronic control elements. More about electronics - see page 24-25

\* free space necessary for installation of Power Supply and control module MEU-2

\*\* means all convectors installed in ONE room and operated by ONE thermostat

Wiring schemes - most used wiring schemes and description of cable work - see page 27

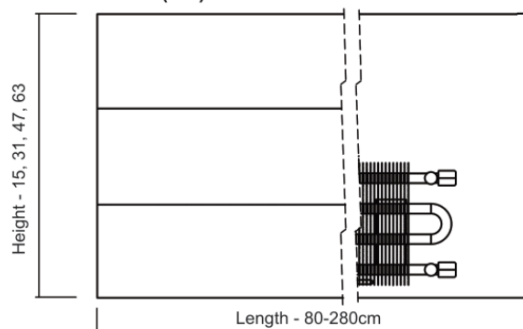


\*Rich variety of motifs

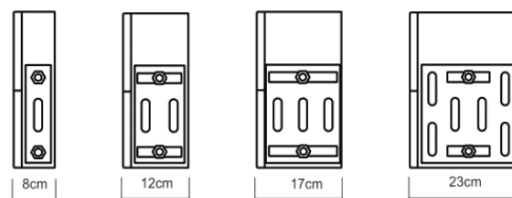




### Dimensions (cm)



### Depth 8-23cm



### ORDER CODE (dimensions in cm)

Product code - Length / Depth / Height\* - grille color - optional

**FVK 200 / 12 / 31 - S [RAL] - XXX**



### ADDITIONAL SPECIFICATION

Grille color - "S" - silver, powder coated RAL XXXX

"-FP" - modification with unified front panel, "SP" - split front panel - Additional charge +8%

"-N" - stainless steel body AISI 304 (Additional charge + 13 %) + powder coating RAL9016 - white matt

"-SD" - openings for two pipes in the side of convector (side connection with the heating system) - see below

"-CL" - no opening for pipe - both panels are closed (i.e. when convector is controlled by el.actuator) - see below

"-L" - pipe connection from LEFT side

"-RAL XXXX" - non-standard color of powder coating. Additional charge + 5%

Optional higher body (90cm, 105cm) - accordingly heating output is calculated individually

### STANDARD PACKAGE CONTENT

- Steel powder coated body (RAL 9016 glossy)
- Set of wall brackets
- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005)
- RIGHT connection inlet and outlet
- Linear AL grille, silver color
- Set of fixing elements

### MATERIAL AND SURFACE TREATMENT OF GRILLES

- Electroplated AL profile
- Standard color (without additional specification) - "S-silver"
- Powder coating in the same color as body - no additional charge
- Powder coating in different color than the body - Additional charge +3%



### CUSTOMIZED COLOR (BODY AND GRILLE)

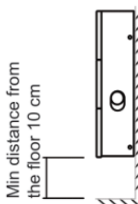
Standard colors (no additional charge)

- RAL 9005 MATT - black matt
- RAL 9005 GLOSSY - black glossy
- RAL 9016 MATT - white matt
- RAL 9016 GLOSSY - white glossy
- RAL 9001 GLOSSY - creme glossy
- RAL 7016 GLOSSY - grey glossy

- Other RAL colors - Additional charge +5% (grille in the same color IS included).

- Special effects (anthracite, clear "colorless", gold, silver...) Additional charge +9% (grille in the same color)

### WOOD IMITATING LAMINATION



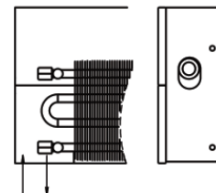
Split front panel, code "-SP"



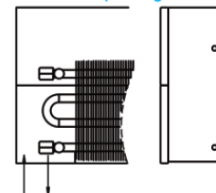
Unified front panel, code "-FP"



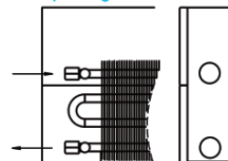
Standard floor/wall connection - one opening from side



"-CL" - floor/wall connection - without opening from side



Side connection - two openings from side





|                  | Length (cm) | 60         | 80         | 100        | 120        | 140        | 160        | 180        | 200        | 220        | 240        | 260        | 280        |
|------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>FVK 08/15</b> | 75/65/20°C  | 194        | 244        | 306        | 372        | 423        | 478        | 558        | 640        | 687        | 740        | 813        | 887        |
|                  | 55/50/20°C  | 105        | 132        | 165        | 201        | 228        | 258        | 301        | 346        | 371        | 400        | 439        | 479        |
|                  | €           | <b>74</b>  | <b>85</b>  | <b>93</b>  | <b>105</b> | <b>118</b> | <b>131</b> | <b>141</b> | <b>150</b> | <b>161</b> | <b>173</b> | <b>184</b> | <b>196</b> |
| <b>FVK 08/31</b> | 75/65/20°C  | 441        | 618        | 780        | 848        | 1002       | 1160       | 1290       | 1572       | 1708       | 1709       | 1928       | 2024       |
|                  | 55/50/20°C  | 238        | 334        | 421        | 458        | 541        | 626        | 697        | 849        | 922        | 923        | 1041       | 1093       |
|                  | €           | <b>81</b>  | <b>93</b>  | <b>101</b> | <b>114</b> | <b>129</b> | <b>145</b> | <b>156</b> | <b>165</b> | <b>179</b> | <b>192</b> | <b>206</b> | <b>218</b> |
| <b>FVK 08/47</b> | 75/65/20°C  | 520        | 727        | 925        | 1028       | 1215       | 1401       | 1554       | 1752       | 1979       | 2127       | 2310       | 2524       |
|                  | 55/50/20°C  | 281        | 393        | 500        | 555        | 656        | 757        | 839        | 946        | 1069       | 1149       | 1247       | 1363       |
|                  | €           | <b>94</b>  | <b>105</b> | <b>113</b> | <b>129</b> | <b>146</b> | <b>162</b> | <b>175</b> | <b>186</b> | <b>202</b> | <b>216</b> | <b>231</b> | <b>246</b> |
| <b>FVK 08/63</b> | 75/65/20°C  | 635        | 829        | 968        | 1160       | 1438       | 1537       | 1868       | 2006       | 2186       | 2306       | 2533       | 2910       |
|                  | 55/50/20°C  | 343        | 448        | 523        | 626        | 777        | 830        | 1009       | 1083       | 1180       | 1245       | 1368       | 1571       |
|                  | €           | <b>129</b> | <b>140</b> | <b>153</b> | <b>173</b> | <b>194</b> | <b>217</b> | <b>234</b> | <b>250</b> | <b>270</b> | <b>290</b> | <b>310</b> | <b>330</b> |
| <b>FVK 12/15</b> | 75/65/20°C  | 353        | 440        | 539        | 640        | 748        | 863        | 970        | 1074       | 1221       | 1320       | 1414       | 1504       |
|                  | 55/50/20°C  | 191        | 238        | 291        | 346        | 404        | 466        | 524        | 580        | 659        | 713        | 764        | 812        |
|                  | €           | <b>70</b>  | <b>81</b>  | <b>86</b>  | <b>98</b>  | <b>109</b> | <b>123</b> | <b>131</b> | <b>139</b> | <b>151</b> | <b>161</b> | <b>173</b> | <b>183</b> |
| <b>FVK 12/31</b> | 75/65/20°C  | 686        | 888        | 1085       | 1314       | 1634       | 1747       | 1953       | 2138       | 2531       | 2654       | 3027       | 3018       |
|                  | 55/50/20°C  | 370        | 480        | 586        | 710        | 882        | 943        | 1055       | 1155       | 1367       | 1433       | 1635       | 1630       |
|                  | €           | <b>94</b>  | <b>105</b> | <b>113</b> | <b>129</b> | <b>146</b> | <b>162</b> | <b>175</b> | <b>186</b> | <b>202</b> | <b>216</b> | <b>231</b> | <b>246</b> |
| <b>FVK 12/47</b> | 75/65/20°C  | 788        | 1027       | 1327       | 1599       | 1885       | 1995       | 2381       | 2568       | 2981       | 2974       | 3370       | 3738       |
|                  | 55/50/20°C  | 426        | 555        | 717        | 863        | 1018       | 1077       | 1286       | 1387       | 1610       | 1606       | 1820       | 2019       |
|                  | €           | <b>123</b> | <b>134</b> | <b>146</b> | <b>164</b> | <b>185</b> | <b>207</b> | <b>223</b> | <b>237</b> | <b>257</b> | <b>276</b> | <b>295</b> | <b>314</b> |
| <b>FVK 12/63</b> | 75/65/20°C  | 901        | 1148       | 1417       | 1801       | 1947       | 2265       | 2564       | 3027       | 3206       | 3454       | 3780       | 4114       |
|                  | 55/50/20°C  | 487        | 620        | 765        | 973        | 1051       | 1223       | 1385       | 1635       | 1731       | 1865       | 2041       | 2222       |
|                  | €           | <b>138</b> | <b>150</b> | <b>168</b> | <b>189</b> | <b>212</b> | <b>238</b> | <b>257</b> | <b>277</b> | <b>298</b> | <b>320</b> | <b>342</b> | <b>364</b> |

|                  | Length (cm) | 60         | 80         | 100        | 120        | 140        | 160        | 180        | 200        | 220        | 240        | 260        | 280         |
|------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| <b>FVK 17/15</b> | 75/65/20°C  | 540        | 682        | 836        | 990        | 1172       | 1344       | 1514       | 1678       | 1904       | 2060       | 2210       | 2354        |
|                  | 55/50/20°C  | 292        | 368        | 451        | 535        | 633        | 726        | 818        | 906        | 1028       | 1112       | 1193       | 1271        |
|                  | €           | <b>73</b>  | <b>84</b>  | <b>83</b>  | <b>90</b>  | <b>107</b> | <b>124</b> | <b>125</b> | <b>129</b> | <b>142</b> | <b>153</b> | <b>163</b> | <b>174</b>  |
| <b>FVK 17/31</b> | 75/65/20°C  | 924        | 1209       | 1439       | 1745       | 1988       | 2384       | 2705       | 3008       | 3143       | 3503       | 3823       | 4253        |
|                  | 55/50/20°C  | 499        | 653        | 777        | 942        | 1074       | 1287       | 1461       | 1624       | 1697       | 1892       | 2064       | 2297        |
|                  | €           | <b>116</b> | <b>128</b> | <b>138</b> | <b>157</b> | <b>178</b> | <b>199</b> | <b>213</b> | <b>227</b> | <b>245</b> | <b>264</b> | <b>282</b> | <b>301</b>  |
| <b>FVK 17/47</b> | 75/65/20°C  | 1029       | 1361       | 1788       | 2044       | 2539       | 2861       | 3268       | 3650       | 3987       | 4475       | 4858       | 5018        |
|                  | 55/50/20°C  | 556        | 735        | 966        | 1104       | 1371       | 1545       | 1765       | 1971       | 2153       | 2417       | 2623       | 2710        |
|                  | €           | <b>177</b> | <b>177</b> | <b>200</b> | <b>228</b> | <b>253</b> | <b>278</b> | <b>307</b> | <b>329</b> | <b>354</b> | <b>380</b> | <b>406</b> | <b>432</b>  |
| <b>FVK 17/63</b> | 75/65/20°C  | 1245       | 1710       | 2124       | 2457       | 2865       | 3109       | 3816       | 4095       | 4661       | 4976       | 5037       | 5969        |
|                  | 55/50/20°C  | 672        | 923        | 1147       | 1327       | 1547       | 1679       | 2061       | 2211       | 2517       | 2687       | 2720       | 3223        |
|                  | €           | <b>187</b> | <b>199</b> | <b>224</b> | <b>253</b> | <b>281</b> | <b>312</b> | <b>342</b> | <b>370</b> | <b>395</b> | <b>424</b> | <b>453</b> | <b>483</b>  |
| <b>FVK 23/15</b> | 75/65/20°C  | 723        | 1187       | 1482       | 1778       | 2096       | 2385       | 2677       | 2966       | 3284       | 3583       | 3877       | 4189        |
|                  | 55/50/20°C  | 390        | 641        | 800        | 960        | 1132       | 1288       | 1446       | 1602       | 1773       | 1935       | 2094       | 2262        |
|                  | €           | <b>341</b> | <b>353</b> | <b>397</b> | <b>445</b> | <b>484</b> | <b>557</b> | <b>573</b> | <b>615</b> | <b>702</b> | <b>809</b> | <b>752</b> | <b>858</b>  |
| <b>FVK 23/31</b> | 75/65/20°C  | 1174       | 1606       | 2082       | 2303       | 2884       | 3160       | 3635       | 3810       | 4142       | 4688       | 5285       | 5752        |
|                  | 55/50/20°C  | 634        | 867        | 1124       | 1244       | 1557       | 1706       | 1963       | 2057       | 2237       | 2532       | 2854       | 3106        |
|                  | €           | <b>363</b> | <b>374</b> | <b>422</b> | <b>474</b> | <b>515</b> | <b>595</b> | <b>610</b> | <b>655</b> | <b>749</b> | <b>864</b> | <b>804</b> | <b>917</b>  |
| <b>FVK 23/47</b> | 75/65/20°C  | 1418       | 1952       | 2424       | 2885       | 3330       | 3686       | 4383       | 4605       | 5072       | 5848       | 6449       | 6881        |
|                  | 55/50/20°C  | 766        | 1054       | 1309       | 1558       | 1798       | 1990       | 2367       | 2487       | 2739       | 3158       | 3482       | 3716        |
|                  | €           | <b>389</b> | <b>401</b> | <b>452</b> | <b>508</b> | <b>551</b> | <b>636</b> | <b>653</b> | <b>701</b> | <b>802</b> | <b>925</b> | <b>860</b> | <b>982</b>  |
| <b>FVK 23/63</b> | 75/65/20°C  | 1633       | 2380       | 2923       | 3290       | 3950       | 4579       | 5241       | 5885       | 6220       | 7063       | 7251       | 8073        |
|                  | 55/50/20°C  | 882        | 1285       | 1578       | 1777       | 2133       | 2473       | 2830       | 3178       | 3359       | 3814       | 3916       | 4359        |
|                  | €           | <b>412</b> | <b>423</b> | <b>478</b> | <b>536</b> | <b>582</b> | <b>672</b> | <b>691</b> | <b>740</b> | <b>847</b> | <b>977</b> | <b>908</b> | <b>1037</b> |



## HEAT EXCHANGER FOR INDIVIDUAL INSTALLATION

|          | Length (cm) | 80         | 100        | 120        | 140        | 160        | 180        | 200        | 220        | 240        | 260        | 280        | 300        | Brackets 3 pcs. |                |
|----------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------------|----------------|
| OT 5/10  | 75/65/20°C  | 313        | 391        | 469        | 547        | 680        | 734        | 816        | 860        | 938        | 1017       | 1095       | 1173       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 169        | 211        | 253        | 295        | 367        | 396        | 441        | 464        | 507        | 549        | 591        | 633        |                 |                |
|          | €           | <b>54</b>  | <b>67</b>  | <b>79</b>  | <b>90</b>  | <b>103</b> | <b>115</b> | <b>128</b> | <b>140</b> | <b>153</b> | <b>166</b> | <b>179</b> | <b>191</b> | <b>23</b>       | <b>26</b>      |
| OT 5/15  | 75/65/20°C  | 511        | 638        | 766        | 894        | 1021       | 1149       | 1277       | 1405       | 1533       | 1660       | 1788       | 1915       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 276        | 345        | 414        | 483        | 551        | 620        | 690        | 759        | 828        | 896        | 966        | 1034       |                 |                |
|          | €           | <b>70</b>  | <b>85</b>  | <b>101</b> | <b>116</b> | <b>132</b> | <b>148</b> | <b>163</b> | <b>180</b> | <b>197</b> | <b>212</b> | <b>229</b> | <b>245</b> | <b>26</b>       | <b>29</b>      |
| OT 5/20  | 75/65/20°C  | 570        | 713        | 855        | 998        | 1141       | 1283       | 1425       | 1567       | 1710       | 1853       | 1995       | 2138       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 308        | 385        | 462        | 539        | 616        | 693        | 770        | 846        | 923        | 1001       | 1077       | 1155       |                 |                |
|          | €           | <b>97</b>  | <b>114</b> | <b>132</b> | <b>150</b> | <b>167</b> | <b>184</b> | <b>202</b> | <b>223</b> | <b>242</b> | <b>263</b> | <b>283</b> | <b>303</b> | <b>30</b>       | <b>33</b>      |
| OT 10/10 | 75/65/20°C  | 372        | 465        | 558        | 650        | 743        | 836        | 929        | 1022       | 1115       | 1208       | 1301       | 1394       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 201        | 251        | 301        | 351        | 401        | 451        | 502        | 552        | 602        | 652        | 703        | 753        |                 |                |
|          | €           | <b>97</b>  | <b>114</b> | <b>132</b> | <b>150</b> | <b>167</b> | <b>184</b> | <b>202</b> | <b>223</b> | <b>242</b> | <b>263</b> | <b>283</b> | <b>303</b> | <b>23</b>       | <b>26</b>      |
| OT 10/15 | 75/65/20°C  | 624        | 779        | 935        | 1091       | 1247       | 1403       | 1558       | 1714       | 1870       | 2026       | 2182       | 2338       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 337        | 421        | 505        | 589        | 673        | 758        | 841        | 926        | 1010       | 1094       | 1178       | 1263       |                 |                |
|          | €           | <b>121</b> | <b>136</b> | <b>157</b> | <b>178</b> | <b>199</b> | <b>219</b> | <b>240</b> | <b>264</b> | <b>288</b> | <b>313</b> | <b>337</b> | <b>365</b> | <b>26</b>       | <b>29</b>      |
| OT 10/20 | 75/65/20°C  | 786        | 982        | 1178       | 1375       | 1571       | 1768       | 1963       | 2160       | 2356       | 2553       | 2749       | 2946       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 424        | 530        | 636        | 743        | 848        | 955        | 1060       | 1166       | 1272       | 1379       | 1484       | 1591       |                 |                |
|          | €           | <b>144</b> | <b>168</b> | <b>193</b> | <b>219</b> | <b>244</b> | <b>270</b> | <b>294</b> | <b>323</b> | <b>354</b> | <b>383</b> | <b>413</b> | <b>442</b> | <b>30</b>       | <b>33</b>      |
| OT 20/10 | 75/65/20°C  | 738        | 922        | 1106       | 1291       | 1475       | 1660       | 1844       | 2028       | 2213       | 2397       | 2582       | 2765       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 399        | 498        | 597        | 697        | 797        | 896        | 996        | 1095       | 1195       | 1294       | 1394       | 1493       |                 |                |
|          | €           | <b>175</b> | <b>206</b> | <b>237</b> | <b>269</b> | <b>301</b> | <b>333</b> | <b>364</b> | <b>399</b> | <b>437</b> | <b>473</b> | <b>510</b> | <b>546</b> | <b>23</b>       | <b>26</b>      |
| OT 20/15 | 75/65/20°C  | 962        | 1203       | 1444       | 1684       | 1926       | 2166       | 2407       | 2648       | 2890       | 3130       | 3372       | 3611       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 519        | 650        | 780        | 909        | 1040       | 1170       | 1300       | 1430       | 1561       | 1690       | 1821       | 1950       |                 |                |
|          | €           | <b>217</b> | <b>245</b> | <b>282</b> | <b>319</b> | <b>357</b> | <b>395</b> | <b>433</b> | <b>476</b> | <b>519</b> | <b>563</b> | <b>605</b> | <b>657</b> | <b>26</b>       | <b>29</b>      |
| OT 20/20 | 75/65/20°C  | 1212       | 1516       | 1819       | 2122       | 2427       | 2729       | 3033       | 3336       | 3641       | 3944       | 4249       | 4550       | Wall<br>bracket | Floor<br>stand |
|          | 55/50/20°C  | 654        | 819        | 982        | 1146       | 1311       | 1474       | 1638       | 1801       | 1966       | 2130       | 2294       | 2457       |                 |                |
|          | €           | <b>258</b> | <b>304</b> | <b>348</b> | <b>394</b> | <b>439</b> | <b>486</b> | <b>530</b> | <b>582</b> | <b>636</b> | <b>636</b> | <b>743</b> | <b>796</b> | <b>30</b>       | <b>33</b>      |

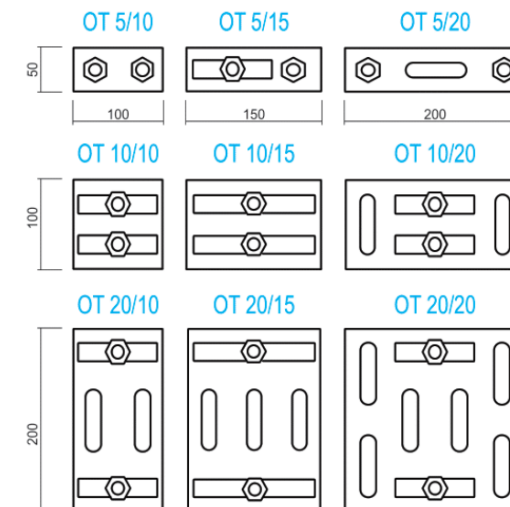
### ORDER CODE (dimensions in cm)

product code - Length / Width / Height - optional

**OT 200 / 5 / 10 - RALXXXX**

\* The "Length" means length of FINNED part of the heat exchanger. Total length of the heat exchanger is "Length" + 130mm.

### Dimensions (mm)



### STANDARD PACKAGE CONTENT

- Bi-metallic heat exchanger (Al-Cu), powder coated (RAL 9005)
- Air bleed valve 1/2"
- Packed in card-board protective profiles and bubble wrap

### INSTALLATION HINTS

- So that the highest heat output can be achieved the heating exchanger shell be installed tightly to the wall
- Distance from the floor - min. 10cm
- The higher is the covering front panel the higher is the heating output (see "Correction factor for different heights of the front panel").
- Assure the highest possible air permeability: openings for incoming and out-coming air (grille) has to be large enough according to the surface of the heat exchanger (See "Correction factor for lower air permeability").

#### Correction factor for different heights of front cover

| Front cover height H (m) | 0,20  | 0,25  | 0,30  | 0,35  | 0,40  | 0,45  | 0,50  |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| Correction factor        | 1,000 | 1,051 | 1,136 | 1,207 | 1,268 | 1,322 | 1,371 |

#### Correction factor for lower air permeability

| total permeability (%) | >75% | 60%  | 50%  | 40%  | 30%  |
|------------------------|------|------|------|------|------|
| Correction factor      | 1,00 | 0,95 | 0,90 | 0,85 | 0,60 |



\*Rich variety of motifs





## CONTROL UNITS FOR FAN POWERED CONVECTORS

|   | €   | Code      |
|---|-----|-----------|
| Module ZM-30-DIN-1 (MEU-1+ZM-30), 8p.*        | 43  | ZM30DIN1  |
| Module ZM-60-DIN-1 (MEU-1+ZM-60), 8p.*        | 55  | ZM60DIN1  |
| Module ZM-100-DIN-1 (MEU-1+ZM-100) 8p.*       | 70  | ZM100DIN1 |
| Module ZM-150-DIN-1 (MEU-1+ZM-150) 8p.*       | 77  | ZM150DIN1 |
| Module ZM-30-DIN-2 (MEU-2+ZM-30), 6p.*        | 39  | ZM30DIN2  |
| Module ZM-60-DIN-2 (MEU-2+ZM-60), 6p.*        | 50  | ZM60DIN2  |
| Module ZM-100-DIN-2 (MEU-2+ZM-100) 8p.*       | 70  | ZM150DIN2 |
| Module ZM-150-DIN-2 (MEU-2+ZM-150) 8p.*       | 77  | ZM100DIN2 |
| Power Supply ZM-30 (30W/1.2A), 6p.*           | 32  | ZM30      |
| Power Supply ZM-60 (60W/2.5A), 6p.*           | 43  | ZM60      |
| Power Supply ZM-100 (100W/4.1A), 6p.*         | 64  | ZM100     |
| Power Supply ZM-150 (150W/6.2A), 6p.*         | 70  | ZM150     |
| Fan speed control unit MEU-1 (220V ac), 2p*   | 31  | MEU-1     |
| Fan speed control unit MEU-2 (24V dc)         | 20  | MEU-2     |
| Temperature switch (TC-cooling., TH-heating.) | 9   | TC or TH  |
| Build-in electronics ALL-IN                   | 105 | ALLIN1    |
| Junction terminal TP-1                        | 19  | TP1       |

\* free positions in electrical junction cabinet

Control unit sets ZM-XX-DIN-1 has to be installed inside the electrical junction cabinet!

ALL-IN electronic set is factory built-in control unit that makes convector independent. Customer can choose and mark by code ALL-IN which convector will be equipped with built-in electronics.



### ZM-xx-DIN-1 - MODULE

- Power supply 220/24V
- Speed control unit MEU-1 (220V/24V)
- Installation on DIN rail, el.cabinet
- Only with room thermostat FOKS MT-F02A



### ZM-xx

- Power supply 220/24V
- 15, 30, 60W



### MEU-1

- Additional speed control unit MEU-1 (to be bouilt in junction cabinet)
- Powered by 220V



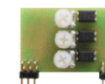
### TC, TH

- temperature switch:TC-cooling, TH-heating
- switch the convector fan ON/OFF when fluid inside the convector hits the effective temperature



### ZM-xx-DIN-2 - MODULE

- Power supply 220/24V - DIN rail
- Speed control unit MEU-2 (220V/24V)
- Max.capacity - 10 controlled convectors



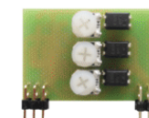
### ALL-IN - MODULE

- Power supply 220/24V
- Speed control unit MEU-2 (24V)
- Inside the convector body
- **Only with 24V powered room thermostat (separate order)**



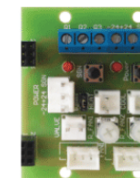
### MEU-2

- Additional speed control unit MEU-2
- Powered by 24V DC
- For installation inside the convector



### Junction terminal TP-1

- factory built-in (included in the price of convector)
- allows links with other additional control elements



### Wiring and other electrical diagrams

The most popular electrical scheme - see at page 27

## ROOM THERMOSTATS

|                                      | €  | Code     |
|--------------------------------------|----|----------|
| Manual thermostat FOKS, LCD - 24V dc | 35 | MTF806-D |
| Programmable t-stat FOKS - 24V dc    | 58 | MTF03DC  |
| Remote control                       | 13 | RF01     |

## ELECTRONIC CONTROL OF FAN POWERED CONVECTORS FOKS

Every fan powered convector can be controlled by ROOM THERMOSTAT and Module ZM-XX-DIN-1/2 (incl. Power source and fan speed control unit "MEU").

Wiring and other electrical diagrams

The most popular electrical scheme - see at page 27

## INSTALLATION ELEMENTS

|  | €  | Code  |
|--|----|-------|
| Axial thermostatic valve 1/2"          | 12 | F300  |
| Direct thermostatic valve 1/2"         | 13 | F301  |
| 90° shut-off valve                     | 9  | F200  |
| Direct shut-off valve                  | 9  | F201  |
| Thermostatic head FOKS (white -hrome)  | 14 | F100  |
| El.actuator FOKS 24V                   | 36 | F102  |
| El.actuator HERZ 24V                   | 40 | F103  |
| Wall built-in mounting console         | 4  | F104  |
| Wall mounting console                  | 4  | F105  |
| Thermostatic valve for double connect. | 33 | FH401 |



FOKS MTF806-D

- Power supply 24V DC (module ZM-XX-DIN-2 or ALL-IN necessary)
- Remote control optional
- Direct speed control signal (optional)
- No option for programming
- Installation partially in the wall (wall installation box not included)
- Built-in battery
- Dimensions 86x86x15mm (+25mm in the wall)



FOKS MTF03DC

- Power supply 24V DC (module ZM-XX-DIN-2 or ALL-IN necessary)
- Remote control optional
- Touch display
- Direct speed control signal (optional)
- Programmable (week program)
- Installation partially in the wall (wall installation box not included)
- Built-in battery
- Dimensions 86x86x15mm (+25mm in the wall)



FOKS RF01

- Remote control for room thermostat MTF03DC

\* ROOM THERMOSTATS WITH POWER SUPPLY 220V CAN BE DELIVERED ON REQUEST

F300



F301



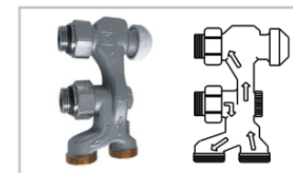
F200



F201



FH401



F100



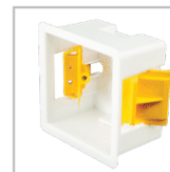
F102



F103



F104



F105





**System for fan speed control contain 4 parts:**

1. Room thermostat is checking the room temperature
2. Electronic Module MEU - determine the speed of fans
3. Power supply ZM-DIN 220V AC/24V DC - for room thermostat and fans
4. Fan powered convector with built-in multifunctional connection interface

**Electronic module MEU**

Convectors FOKS are equipped with new generation fans. 3-phase motors are powered by safe voltage 24V DC and their RPM is controlled by additional signal produced by electronic Module MEU according to the information provided by thermostat.

**How to choose the right power supply ZM-DIN?**

Each fan powered convector FOKS needs power supply 24V DC provided by ZM-DIN. The minimum power consumption of each model is stated in the sheet with its heating output. Power supply has to have higher capacity (Watt) than all the convectors in one chain (system) together. Available models of ZM-DIN:  
 ZM-15-DIN (15 Watt); ZM-30-DIN (30 Watt); ZM-60-DIN (60Watt).

|           |                          |       |     |     |     |
|-----------|--------------------------|-------|-----|-----|-----|
|           | Length (cm)              | 80    |     |     |     |
|           | Max.Power Input (Watt)   | 7.6 W |     |     |     |
|           | Fan speed                | Off   | 1   | 2   | 3   |
| FPKV 9/20 | Heat output - 75/65/20°C | 109   | 533 | 685 | 836 |

Since 2016 Fidoks Bulgaria Ltd. offers new convector control systems with more automation functions and powered by safe voltage 24V DC.

**System with 24V DC power supply**

Electronic control unit MEU-2 can be connected in any fan powered convector due to universal factory built-in interface TP-1. Power supply 24V DC has to be installed inside el.junction cabinet.

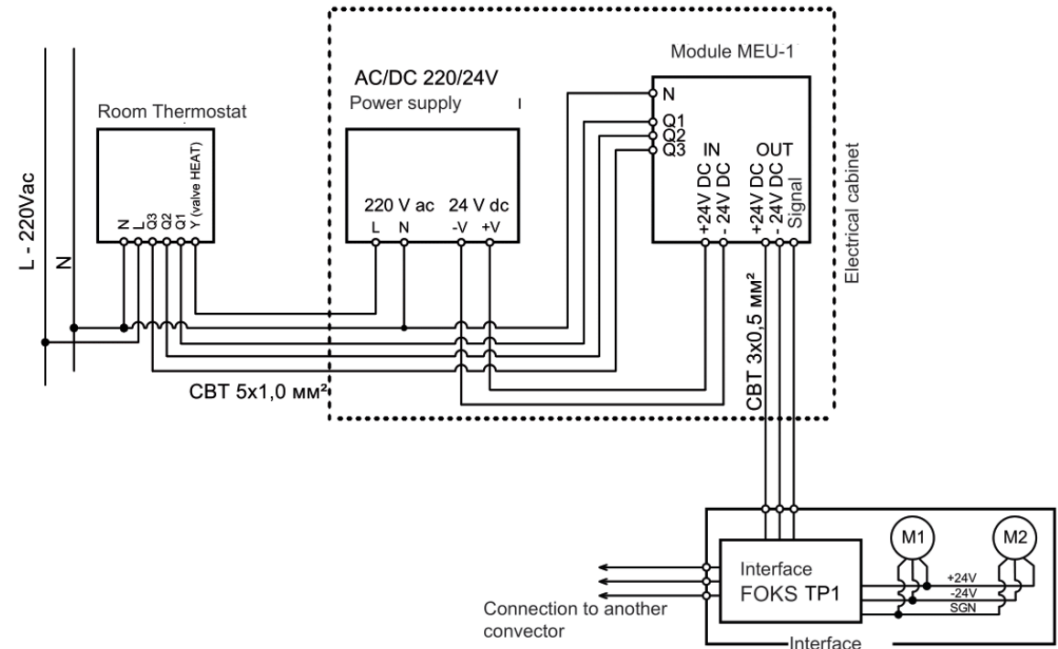
**System with 220V AC power supply**

Electronic control unit MEU-1 and power supply Module ZM-DIN has to be installed inside electrical cabinet (DIN rail in cabinet with apartment fuses)

**Electronic control unit MEU-1 and MEU-2** allows additional adjustment of fan speed. Each of 3 pre-set speeds (in thermostat) can be adjusted separately. MEU is always pre-set to optimal values (fan speed according to the size of exchanger) so that each convector has the highest possible efficiency. Manual adjusting of these values is not recommended since this can bring serious damage to the fan electronics so the manufacturer can refuse warranty repair!

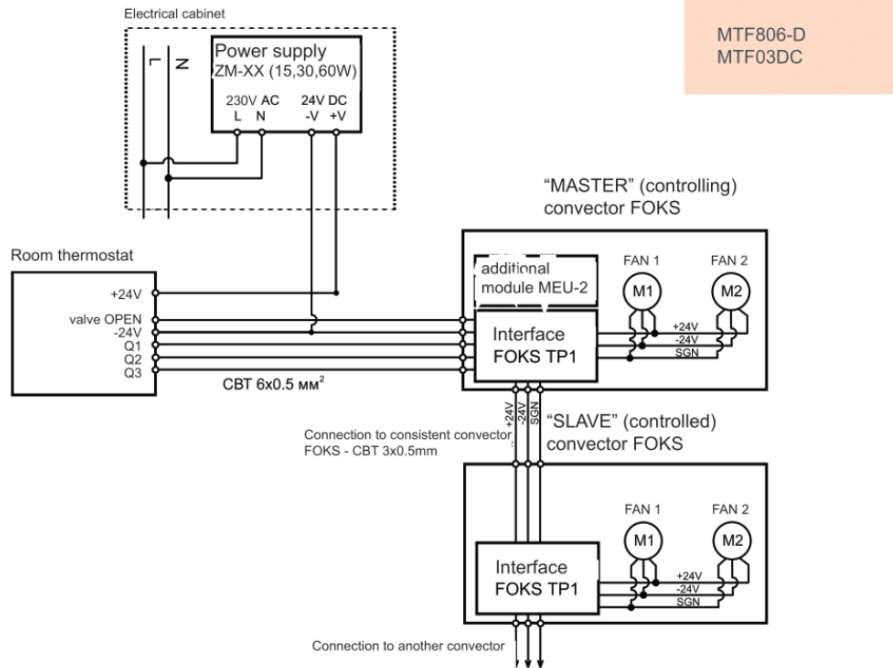
**Electrical installation can only be done by authorized for this kind of works person. Fidoks Bulgaria Ltd. doesn't take any responsibility for any damage caused by unauthorized or wrong installation!**

THERMOSTAT WITH POWER SUPPLY 220 V AC



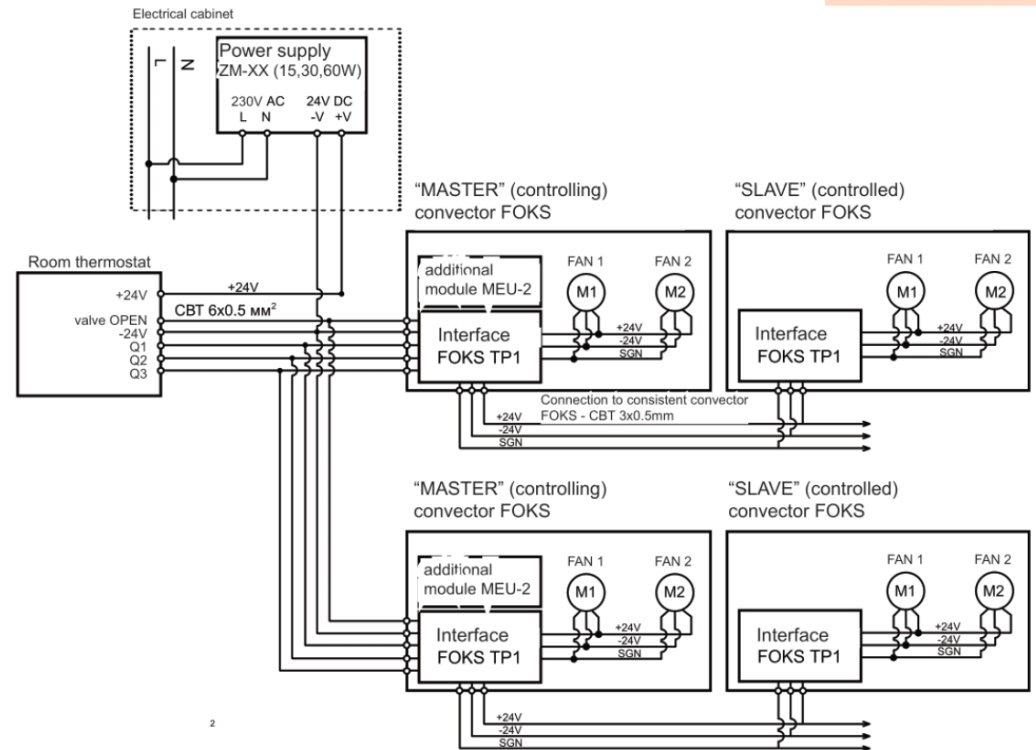
**SYSTEM WITH THERMOSTAT WITH PRE-SET 3-SPEED CONTROL AND ONE MEU-2 SPEED CONTROLLER - MOST COMMONLY USED**

System with "MASTER" (controlling) and "SLAVE" (controlled) convectors. Additional unit MEU-2 is installed in the first convector in chain ("MASTER"). MASTER is determining speed of fans of all other convectors ("SLAVE") in the chain.





















**SYSTEM WITH 1 THERMOSTAT, 24V POWER SUPPLY WITH PRE-SET 3-SPEED CONTROL AND 2 OR MORE MEU-2 SPEED CONTROLLERS**

In this system there are several "MASTER" convectors with their "SLAVE" convectors, all controlled by only one room thermostat. Quantity of convectors is limited only by their total input capacity (see section "How to choose the right Power supply, p.30"). Additional module MEU-2 can be connected to any convector in the chain. Such a convector with installed MEU-2 become "MASTER" and all the convectors connected behind become "SLAVE". This will result in independent chain with separately controlled fans. All these chains can be powered by one (sufficient) or more power supply.

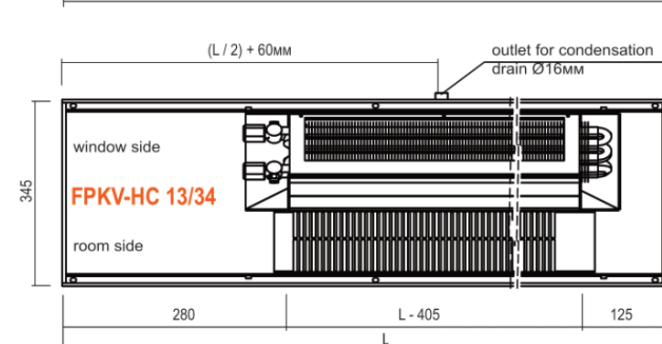
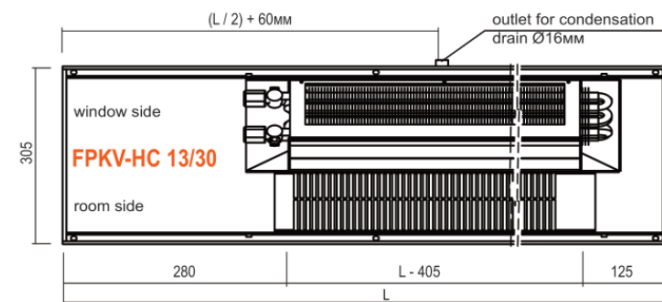
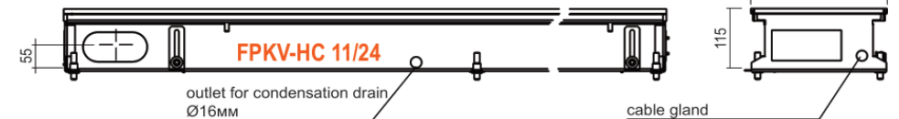
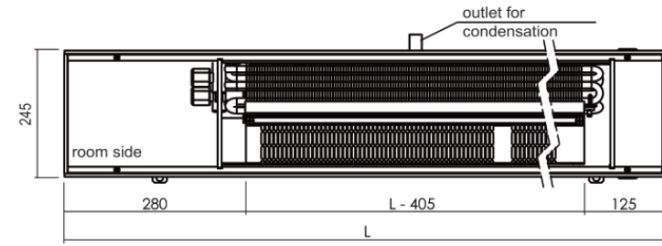
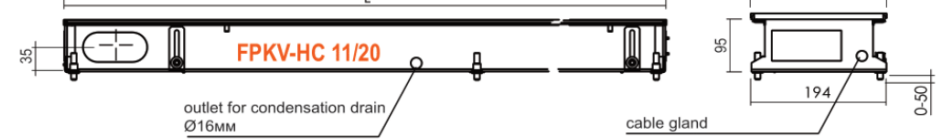
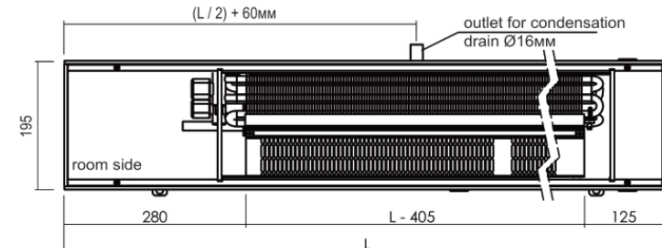
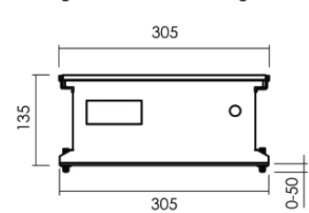
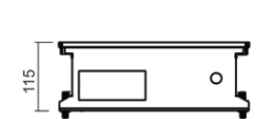
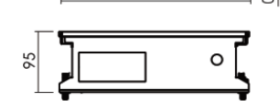
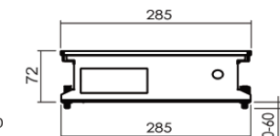
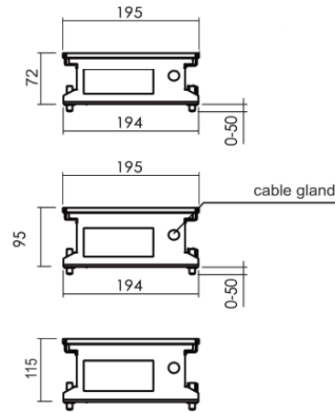
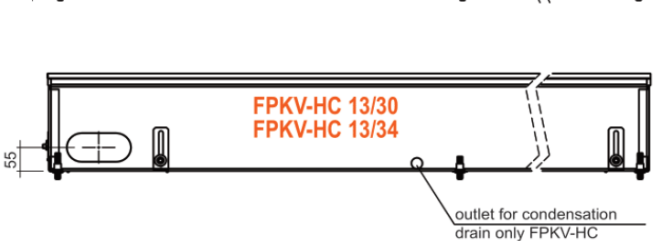
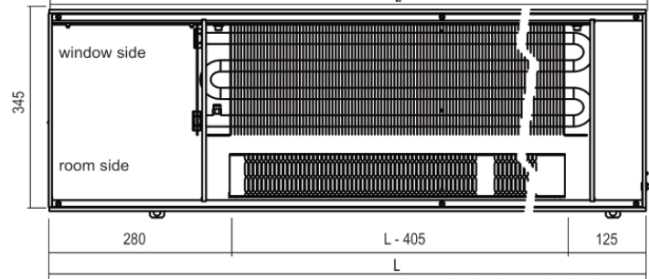
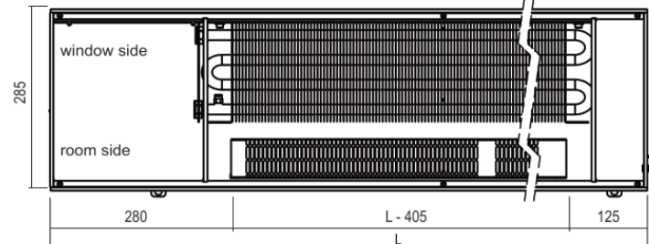
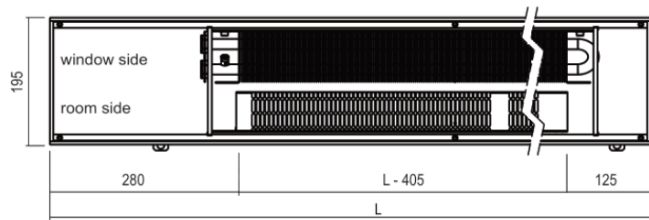




## CONFIGURATION OF THE FANS IN THE CONVECTOR CANAL

|  |        |  |   |
|--|--------|--|---|
| <b>FPKV 7/20</b><br><b>FPKV 7/28</b>   | 80 CM  |  (135,- ;order code <b>FVT 3-36</b> )*              | Impeller diameter Ø30mm<br>Power supply 24V DC, control (speed) signal 0-10v<br>Min.rpm 620 (+-5%)<br>Max.rpm 1250 (+-5%)                       |
|  | 120 CM |  (223,- ;order code <b>FVT 3-36-36</b> )*           |   |
|  | 160 CM |  (265,- ;order code <b>FVT 3-36-36-36</b> )*       |   |
|  | 200 CM |  (2 x <b>FVT 3-36-36</b> )                         |   |
|  | 240 CM |  ( <b>FVT 3-36-36-36</b> + <b>FVT 3-36-36</b> )    |   |
|  | 280 CM |  (2 x <b>FVT 3-36-36-36</b> )                      |   |
| <b>FPKV 9/20, 11/20</b><br><b>FPKV 9/28, 11/28</b><br><b>FPKV-HC 11/20, 11/24</b><br><b>FSKV 13/25</b> | 80 CM  |  (142,- ;order code <b>FVT 4-36</b> )*              | Impeller diameter Ø40mm (FSKV-HC 11/24 Ø50mm)<br>Power supply 24V DC, control (speed) signal 0-10v<br>Min.rpm 550 (+-5%)<br>Max.rpm 1100 (+-5%) |
|  | 120 CM |  (182,- ; order code <b>FVT 4-36-36</b> )*          |   |
|  | 160 CM |  (233,- ;order code <b>FVT 4-36-36-36</b> )*       |   |
|  | 200 CM |  (2 x <b>FVT 4-36-36</b> )                         |   |
|  | 240 CM |  ( <b>FVT 4-36-36-36</b> + <b>FVT 4-36-36</b> )    |   |
|  | 280 CM |  (2 x <b>FVT 4-36-36-36</b> )                      |   |
| <b>FPKV-HC 13/30</b><br><b>FPKV-HC 13/34</b><br><b>FSKV-HC 19/25</b>                                   | 80 CM  |  (199,- ;order code <b>FVT 6-36</b> )*            | Impeller diameter Ø60mm (FSKV-HC 13/34 Ø65mm)<br>Power supply 24v DC, control (speed) signal 0-10v<br>Min.rpm 280 (+-5%)<br>Max.rpm 1050 (+-5%) |
|  | 120 CM |  (249,- ; order code <b>FVT 6-36-36</b> )*        |   |
|  | 160 CM |  (303,- ; order code <b>FVT 6-36-36-36</b> )*    |   |
|  | 200 CM |  (2 x <b>FVT 6-36-36</b> )*                      |   |
|  | 240 CM |  ( <b>FVT 6-36-36-36</b> + <b>FVT 6-36-36</b> )* |   |
|  | 280 CM |  (2 x <b>FVT 6-36-36-36</b> )*                   |   |

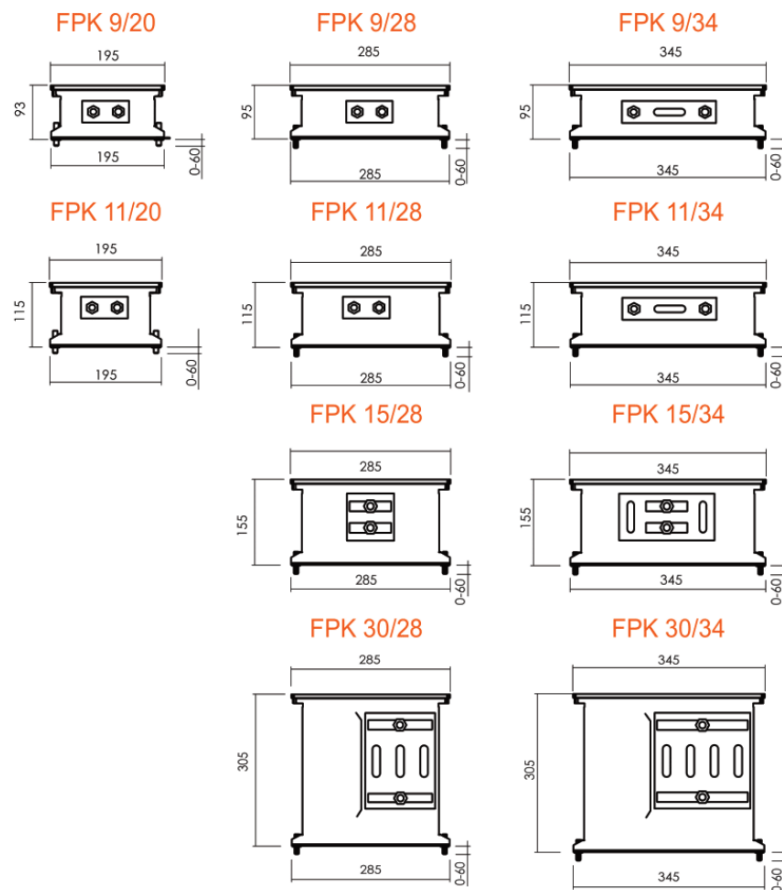
\* Spare part for FOKS convectors. The price includes one piece of complete fan (single, double, triple) ready for connection.



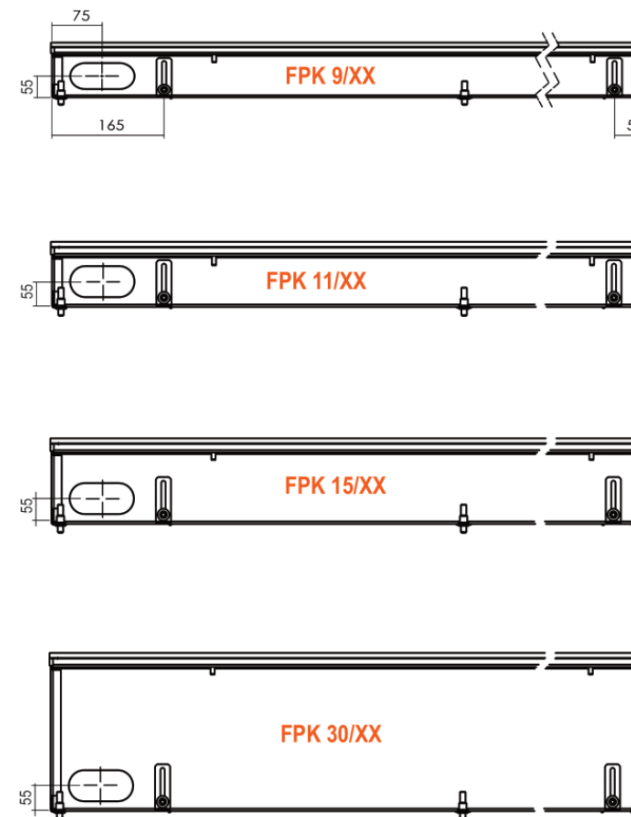




room side (convector is symmetrical)

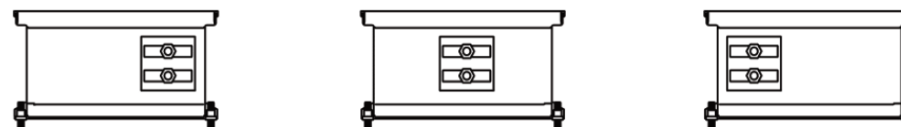


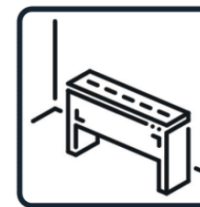
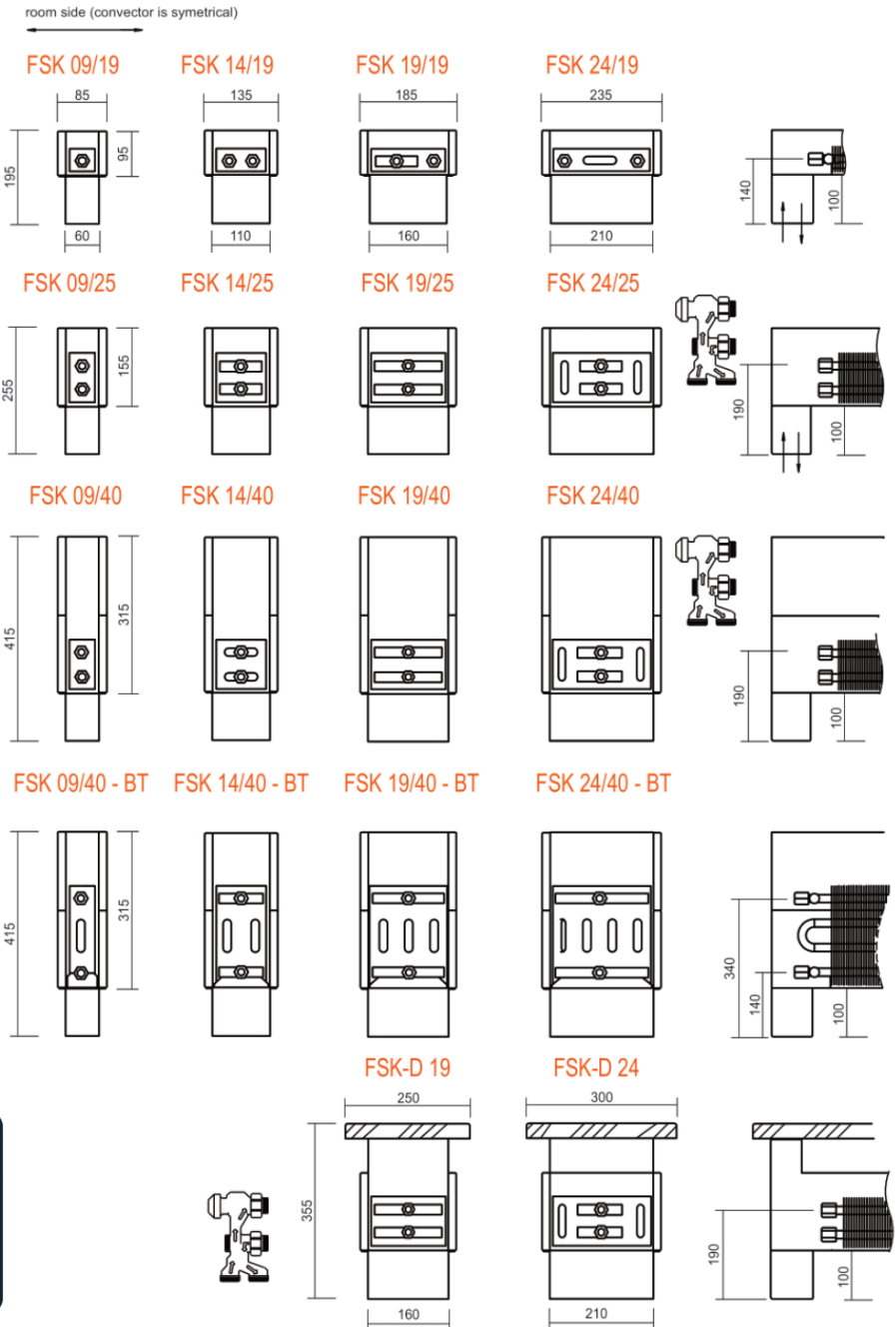
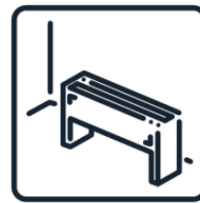
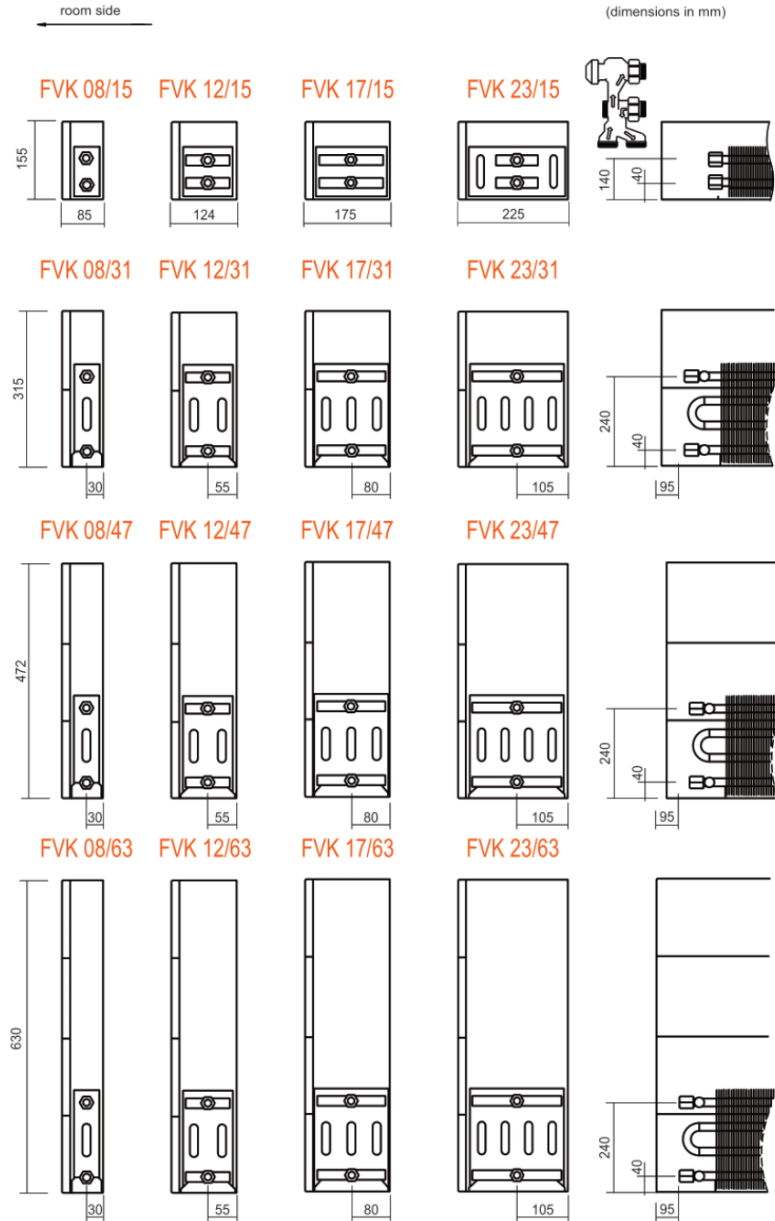
(dimensions in mm)



## ADDITIONAL FEATURE - POSITIONING OF THE HEAT EXCHANGER

- Position of the heat exchanger can be changed according to the main purpose of the floor convective radiator
- Protect the window from condensation - the heat exchanger should be closer to the window frame
- More intensive heating of the room - heat convective radiator positioned in the center of floor convective radiator or closer to the room (depends on side with higher heat loss)







# OTHER TECHNICAL PARAMETERS

Formula for calculating of the temperature difference:  $\Delta t = (t_1 + t_2)/2 - t_i$

$\Delta t$  - temperature difference  
 $t_1$  - inlet temperature  
 $t_2$  - outlet temperature  
 $t_i$  - room temperature

## Correction factor for different inlet and outlet temperatures

FPKV, FPKV-HC, FSKV, FSKV-HC

coefficient for the  $\Delta t$  is multiplied by the power of the convector when  $\Delta t$  50K (75/65/20).

|               |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| $\Delta t(K)$ | 18          | 19          | 20          | 21          | 22          | 23          | 24          | 25          | 26          | 27          | 28          | 29          | 30          | 31          | 32          | 33          | 34          | 35          | 36          | 37          | 38          | 39          | 40          |
| <b>kt</b>     | <b>0.33</b> | <b>0.34</b> | <b>0.36</b> | <b>0.38</b> | <b>0.40</b> | <b>0.42</b> | <b>0.44</b> | <b>0.46</b> | <b>0.48</b> | <b>0.50</b> | <b>0.52</b> | <b>0.55</b> | <b>0.57</b> | <b>0.58</b> | <b>0.60</b> | <b>0.62</b> | <b>0.65</b> | <b>0.67</b> | <b>0.69</b> | <b>0.71</b> | <b>0.73</b> | <b>0.75</b> | <b>0.78</b> |
| $\Delta t(K)$ | 41          | 42          | 43          | 44          | 45          | 46          | 47          | 48          | 49          | 50          | 51          | 52          | 53          | 54          | 55          | 56          | 57          | 58          | 59          | 60          |             |             |             |
| <b>kt</b>     | <b>0.80</b> | <b>0.82</b> | <b>0.84</b> | <b>0.86</b> | <b>0.89</b> | <b>0.91</b> | <b>0.93</b> | <b>0.95</b> | <b>0.98</b> | <b>1.00</b> | <b>1.04</b> | <b>1.02</b> | <b>1.06</b> | <b>1.09</b> | <b>1.11</b> | <b>1.13</b> | <b>1.15</b> | <b>1.17</b> | <b>1.19</b> | <b>1.22</b> |             |             |             |

FPK, FSK, FSK-D, FVK

|               |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| $\Delta t(K)$ | 18          | 19          | 20          | 21          | 22          | 23          | 24          | 25          | 26          | 27          | 28          | 29          | 30          | 31          | 32          | 33          | 34          | 35          | 36          | 37          | 38          | 39          | 40          |
| <b>kt</b>     | <b>0.23</b> | <b>0.25</b> | <b>0.27</b> | <b>0.29</b> | <b>0.31</b> | <b>0.33</b> | <b>0.35</b> | <b>0.38</b> | <b>0.40</b> | <b>0.42</b> | <b>0.44</b> | <b>0.46</b> | <b>0.49</b> | <b>0.51</b> | <b>0.53</b> | <b>0.55</b> | <b>0.58</b> | <b>0.60</b> | <b>0.62</b> | <b>0.65</b> | <b>0.67</b> | <b>0.69</b> | <b>0.72</b> |
| $\Delta t(K)$ | 41          | 42          | 43          | 44          | 45          | 46          | 47          | 48          | 49          | 50          | 51          | 52          | 53          | 54          | 55          | 56          | 57          | 58          | 59          | 60          |             |             |             |
| <b>kt</b>     | <b>0.74</b> | <b>0.78</b> | <b>0.80</b> | <b>0.83</b> | <b>0.85</b> | <b>0.88</b> | <b>0.91</b> | <b>0.95</b> | <b>0.97</b> | <b>1.00</b> | <b>1.03</b> | <b>1.05</b> | <b>1.07</b> | <b>1.09</b> | <b>1.12</b> | <b>1.15</b> | <b>1.18</b> | <b>1.20</b> | <b>1.22</b> | <b>1.25</b> |             |             |             |

## Weight\* (kg) and volumes (L) per 1 r.m.

|               |                 |                |                 |                 |                 |                  |                  |                  |                |                |                 |                 |                 |                 |                 |                  |                 |
|---------------|-----------------|----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|
|               | FPKV<br>9/20    | FPKV<br>11/20  | FPKV<br>7/28    | FPKV<br>9/28    | FPKV<br>11/28   | FPKV-HC<br>11/20 | FPKV-HC<br>11/24 | FPKV-HC<br>13/30 | FPK<br>9/20    | FPK<br>9/28    | FPK<br>9/34     | FPK<br>11/20    | FPK<br>11/28    | FPK<br>11/34    | FPK<br>15/28    | FPK<br>15/34     | FPK<br>30/28    |
| <b>kg/ltr</b> | <b>8,0/0,4</b>  | <b>8,9/0,3</b> | <b>8,9/0,8</b>  | <b>9,1/0,8</b>  | <b>9,3/0,8</b>  | <b>9,9/0,3</b>   | <b>11,4/0,3</b>  | <b>14,7/0,4</b>  | <b>7,5/0,3</b> | <b>8,1/0,3</b> | <b>9,9/0,4</b>  | <b>7,8/0,3</b>  | <b>8,4/0,3</b>  | <b>10,2/0,4</b> | <b>10,8/0,7</b> | <b>13,0/1,0</b>  | <b>12,4/1,0</b> |
|               | FPK<br>30/34    | FSK<br>14/25   | FSK<br>14/40    | FSK<br>19/25    | FSK<br>19/40    | FSK<br>24/25     | FSK<br>24/40     | FSK-D            | FVK<br>8/31    | FVK<br>8/47    | FVK<br>8/63     | FVK<br>12/31    | FVK<br>12/47    | FVK<br>12/63    | FSKV<br>13/25   | FSKV-HC<br>19/25 |                 |
| <b>kg/ltr</b> | <b>14,2/1,3</b> | <b>8,1/0,8</b> | <b>11,3/0,8</b> | <b>10,5/1,1</b> | <b>13,5/1,1</b> | <b>12,5/1,5</b>  | <b>15,8/1,5</b>  | <b>12,5/1,5</b>  | <b>8,3/0,8</b> | <b>9,6/0,8</b> | <b>11,8/0,8</b> | <b>11,2/1,1</b> | <b>13,4/1,5</b> | <b>16,2/1,5</b> | <b>10,5/0,4</b> | <b>11,2/0,8</b>  |                 |

\*Without package. Weights of floor convectors are without cover grille.

|  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>Acoustic noise pressure level<br/>Db(A) *</b> | 80   |      |      | 120  |      |      | 160  |      |      | 200  |      |      | 240  |      |      | 280  |      |      |
|  | 1.   | 2.   | 3.   | 1.   | 2.   | 3.   | 1.   | 2.   | 3.   | 1.   | 2.   | 3.   | 1.   | 2.   | 3.   | 1.   | 2.   | 3.   |
| FPKV 7/20, 7/28                                  | X    | X    | X    | 17,2 | 20,9 | 26,7 | 17,8 | 21,1 | 26,9 | 18,0 | 21,4 | 27,4 | 18,6 | 21,6 | 28,0 | 19,2 | 21,8 | 28,3 |
| FPKV 9/20,9/28,11/28,11/34, -HC 11/24            | 17,2 | 24,5 | 31,1 | 17,3 | 24,6 | 31,4 | 17,4 | 24,8 | 31,7 | 17,8 | 25,2 | 32,2 | 18,1 | 25,4 | 32,9 | 18,3 | 25,7 | 32,3 |
| FPKV-HC 11/20, FPKV 11/20, 11/34, FSKV           | 18,8 | 25,4 | 33,3 | 19,0 | 25,7 | 33,7 | 19,1 | 26,1 | 34,0 | 19,6 | 26,2 | 34,6 | 19,9 | 26,5 | 34,9 | 20,2 | 26,8 | 35,0 |
| FPKV-HC 13/30, 13/34, FSKV-HC 19/25              | 25,9 | 32,5 | 38,7 | 26,2 | 32,9 | 38,9 | 27,0 | 33,4 | 39,4 | 27,4 | 33,8 | 39,8 | 27,8 | 34,2 | 40,2 | 28,1 | 34,6 | 40,6 |

\*Distance 1m, direction factor Q=2

|                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |      |      |      |      |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|------|------|
| <b>Fan air debit (m3/min)</b>       | 80  |     |     | 120 |     |     | 160 |     |     | 200 |     |      | 240 |      |      | 280  |      |      |
|                                     | 1.  | 2.  | 3.  | 1.  | 2.  | 3.  | 1.  | 2.  | 3.  | 1.  | 2.  | 3.   | 1.  | 2.   | 3.   | 1.   | 2.   | 3.   |
| FPKV 7/20, 7/28                     | X   | X   | X   | 0,9 | 1,2 | 1,4 | 1,6 | 2,0 | 2,5 | 1,8 | 2,3 | 2,8  | 2,6 | 3,2  | 4,1  | 3,2  | 4,0  | 5,1  |
| FPKV 9/20,11/20,9/28,11/28,11/34    | 0,9 | 1,2 | 1,5 | 1,8 | 2,3 | 2,9 | 2,8 | 3,5 | 4,4 | 3,7 | 4,7 | 5,8  | 4,9 | 6,2  | 7,7  | 5,5  | 7,0  | 8,7  |
| FPKV-HC 11/20, FSKV 13/25           | 0,9 | 1,2 | 1,5 | 1,8 | 2,3 | 2,9 | 2,8 | 3,5 | 4,4 | 3,7 | 4,7 | 5,8  | 4,9 | 6,2  | 7,7  | 5,5  | 7,0  | 8,7  |
| FPKV-HC 11/24                       | 1,2 | 2,2 | 2,6 | 3,4 | 4,6 | 5,4 | 5,1 | 6,9 | 8,1 | 6,8 | 9,2 | 10,8 | 8,6 | 11,6 | 13,6 | 10,3 | 13,9 | 16,3 |
| FPKV-HC 13/30, 13/34, FSKV-HC 19/25 | 1,3 | 2,3 | 2,7 | 3,5 | 4,7 | 5,5 | 5,2 | 7,0 | 8,2 | 6,9 | 9,3 | 10,9 | 8,7 | 11,7 | 13,7 | 10,4 | 14,0 | 16,4 |







## GENERAL INFORMATION

### PRICES

Prices mentioned in this price list are in Euro exclude VAT. Fidoks Bulgaria Ltd. reserves the right to make a changes in above mentioned prices without preliminary notice according to the major global changes in currency rate.

### DELIVERY TERM

Delivery time is clearly stated in the order confirmation. Delivery time depends on quantity, modifications and variability of dimensions in the order. "Usual" delivery time means 10-20 working days.

### TRANSPORT

Unless other conditions were agreed prices are without any transport taxes included. Fidoks Bulgaria Ltd. is not responsible for any damage occurred during the transport or caused by forwarder due to the careless handling.

### TERMS OF WARRANTY

Every product FOKS comes with 12 month of full warranty. Heat exchangers FOKS OT are with prolonged 5 years warranty period. Warranty period starts in the moment of expedition from Fidoks Bulgaria Ltd. production facility. Complete text of warranty terms can be found at [www.fidoks.bg](http://www.fidoks.bg).

**FIDOKS**  
HEATING AND COOLING

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