

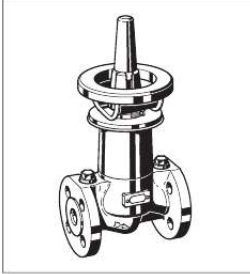


# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL V6000. You'll find the answers to all your questions on the HONEYWELL V6000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual HONEYWELL V6000**  
**User guide HONEYWELL V6000**  
**Operating instructions HONEYWELL V6000**  
**Instructions for use HONEYWELL V6000**  
**Instruction manual HONEYWELL V6000**

## Kombi Valves



**Design**

- Valve body with flanges drilled to DIN, PN 16
- Valve insert with handwheel and pre-setting display
- 2 Pressure test cocks

**Materials**

- Valve housing made of cast iron GG25, painted blue
- Valve insert made of stainless steel with seat sealing made of PTFE
- Pressure test cocks made of brass
- DN15-50: Handwheel made of black plastic (Grivory GV5H)
- DN65 and higher: handwheel made of steel, painted black
- Fairing made of plastic, black

**Honeywell**

## V6000

### Kombi-F-II, Kombi-F

FLANGED BALANCING AND SHUTOFF VALVES

PRODUCT DATA

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**Application**

The hydronic balance is a significant requirement for the efficient operation of a hydronic heating or cooling installation. In an unbalanced system under or over provision of hot water to individual radiators or circuits can occur. Apart from the correct selection of radiator valves, regulation of individual circuits is also necessary and in some cases, such as in DIN 18 380, V08 part C, required by national standards. This requirement is met with Kombi-F-II and Kombi-F shut-off and balancing valves.

Kombi-F-II and Kombi-F have functions shut-off, pre-setting and measuring.

**Features**

- Balancing through stroke limitation with digital pre-setting and visible pre-setting indicator
- Equipped with 2 pressure test cocks for differential pressure measurement
- Non rising spindle with EDD (double sealed by EDD sealing)
- Pre-setting isn't altered when handwheel is turned
- Stroke limitation-screw protected by protection cap
- PTFE-seat sealing
- Spindle made of stainless steel
- Valve body made of corrosion resistant cast iron
- Available in dimensions up to DN400

Honeywell • Subject to change EN04-00500E25 R0706



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*Manual abstract:*

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*1 Features.....*

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*..... 1 Specifications ....*

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*.. 2 Dimensions and Ordering Information ...*

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*.. 2 Accessories ...*

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*. 3 Measuring Equipment .....*

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*..... 3 Spare Parts .....*

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..... @3 Flow Data Kombi-F-II (DN15...DN200) ..

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. @@@@. @2. Dimensions DN 100 - DN 200 Table 1. @3. @V6000D0015 V6000D0020 V6000D0025 V6000D0032 V6000D0040 V6000D0050 V6000D0065 V6000D0080 V6000D0100 V6000D0125 V6000D0150 V6000D0200 Note: All dimensions in mm unless stated otherwise. Table 2. Dimensions Kombi-F DN (R) kvs(cv)-value L H D K 250 10" 812 (950) 730 600 405 355 300 12" 1,380 (1,615) 850 685 460 410 350 14" 1,651 (1,932) 980 775 520 470 400 16" 2,389 (2,795) 1,100 790 580 525 Note: All dimensions in mm unless stated otherwise. nxd 12 x 22 12 x 26 16 x 26 16 x 30 Weight 265 kg 360 kg 535 kg 765 kg OS-No. V6000D0250 V6000D0300 V6000D0350 V6000D0400 EN0H-0050GE25 R0706 2 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Accessories Measuring Equipment Set of 2 measuring adapters for all dimensions VA3600A008 'BasicMES' handheld measuring computer 230V, 0-10 bar computer is supplied with case and accessories VM241A1002 Extension piece for pressure test cocks, length 45 mm, for insulated Kombi-F-II and Kombi-F for all dimensions VA2601A008 Spare Parts Spare set of 2 pressure test cocks G1/4" for all dimensions VA2600A008

Installation Example Fig.

4. Kombi-F in a cooling system EN0H-0050GE25 R0706 3 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN15 Pre-setting kv-value cv-value 0.5 0.13 0.15 1.

0 0.26 0.30 1.5 0.37 0.

43 2.0 0.55 0.64 2.5 0.80 0.94 3.0 1.10 1.29 3.

5 1.50 1.76 4.0 1.90 2.22 4.5 2.30 2.69 5.0 2.

60 3.04 5.5 2.90 3.39 6.

0 3.30 3.86 6.5 4.20 4.

91 6.6 = open kvs = 4.50 5.27 EN0H-0050GE25 R0706 4 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN20 Pre-setting kv-value cv-value 0.5 0.22 0.26 1.0 0.43 0.50 1.

5 0.65 0.76 2.0 0.90 1.05 2.5 1.15 1.35 3.0 1.

60 1.87 3.5 2.06 2.41 4.

0 2.60 3.04 4.5 3.26 3.

81 5.0 4.00 4.68 5.5 4.79 5.60 6.0 5.60 6.55 6.

5 6.43 7.52 6.6 = open kvs = 6.60 7.72 Honeywell Subject to change 5 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN25 Pre-setting kv-value cv-value 0.5 0.22 0.26 1.0 0.

49 0.57 1.5 0.84 0.98 2.

0 1.30 1.52 2.5 1.85 2.

16 3.0 2.50 2.93 3.5 3.25 3.80 4.0 4.10 4.80 4.

5 5.07 5.93 5.0 6.20 7.25 5.5 7.50 8.78 6.0 8.

70 10.2 6.5 9.63 11.3 6.

6 = open kvs = 9.80 11.5 EN0H-0050GE25 R0706 6 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN32 Pre-setting kv-value cv-value 0.5 0.28 0.

33 1.0 0.60 0.70 1.5 1.06 1.24 2.0 1.68 1.97 2.

5 2.48 2.90 3.0 3.54 4.14 3.5 4.91 5.74 4.0 6.

46 7.56 4.5 7.97 9.32 5.

0 9.47 11.1 5.5 11.0 12.

9 6.0 12.8 15.0 6.5 14.7 17.2 6.6 = open kvs = 15.1 17.7 Honeywell Subject to change 7 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN40 Pre-setting kv-value cv-value 0.

5 0.88 1.03 1.0 1.80 2.11 1.5 2.80 3.28 2.0 4.

00 4.68 2.5 5.42 6.34 3.

0 6.90 8.07 3.5 8.31 9.

72 4.0 9.90 11.6 4.5 11.9 13.9 5.0 14.3 16.7 5.

5 16.8 19.7 6.0 18.8 22.0 6.5 20.4 23.9 7.0 7.

5 = open 22.2 kvs = 24.9 26.0 29.1 EN0H-0050GE25 R0706 8 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN50 Pre-setting kv-value cv-value 0.

5 1.07 1.25 1.0 2.20 2.

57 1.5 3.46 4.05 2.0 5.10 5.97 2.5 7.36 8.61 3.

0 10.3 12.1 3.5 13.9 16.3 4.0 18.1 21.2 4.5 22.  
7 26.6 5.0 28.0 32.8 5.  
5 34.1 39.9 6.0 39.3 46.

0 6.5 42.8 50.1 7.0 7.5 = open 45.6 kvs = 48.5 53.4 56.7 Honeywell Subject to change 9 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN65 Pre-setting kv-value cv-value 0.

5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.  
5 6.0 6.5 7.0 8.0 9.  
0 10.0 = open 2.98 5.30 6.64 7.  
80 9.60 12.1 15.2 19.0 23.6 29.1 35.2 41.3 47.0 52.

1 60.7 67.9 kvs = 74.4 3.49 6.20 7.77 9.13 11.2 14.2 17.  
8 22.2 27.6 34.0 41.2 48.  
3 55.0 61.0 71.0 79.4 87.

0 EN0H-0050GE25 R0706 10 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN80 Pre-setting kv-value cv-value 0.5  
1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.

0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 = open 3.65 6.60 8.  
52 10.0 11.7 13.7 16.1 19.  
2 23.2 28.1 40.4 55.4 70.  
9 84.8 96.1 104 kvs = 111 4.27 7.72 9.97 11.7 13.7 16.0 18.8 22.

5 27.1 32.9 47.3 64.8 83.0 99.2 112 122 130 Honeywell Subject to change 11 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN100 Pre-setting kv-value cv-value Pre-setting kv-value cv-value 1.5 3.80 4.45 10.

0 148 173 2.0 6.20 7.25 11.0 157 184 2.  
5 9.60 11.2 3.0 13.4 15.  
7 3.5 17.3 20.2 4.0 21.8 25.5 4.5 27.6 32.3 5.

0 35.7 41.8 5.5 47.2 55.2 6.0 62.4 73.0 6.5 79.  
3 92.8 7.0 96.6 113 7.5 110 129 8.

0 121 142 9.0 137 160 12.0 = open kvs = 165 193 EN0H-0050GE25 R0706 12 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN125 Pre-setting kv-value cv-value Pre-setting kv-value cv-value 1.5 8.30 9.  
71 10.0 192 225 2.0 11.3 13.2 11.0 211 247 2.5 14.4 16.8 12.0 225 263 3.

0 17.7 20.7 13.0 236 276 3.5 21.1 24.7 4.0 24.6 28.8 4.  
5 28.2 33.0 5.0 32.3 37.  
8 5.5 37.4 43.8 6.0 44.  
9 52.5 6.5 56.1 65.6 7.0 72.5 84.8 7.5 93.2 109 8.

0 120 140 9.0 162 190 13.5 = open kvs = 242 kvs = 242 Honeywell Subject to change 13 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN150 Pre-setting kv-value cv-value Pre-setting kv-value cv-value 1.5 16.2 19.0 10.0 193 226 2.0 20.4 23.9 11.

0 240 281 2.5 23.8 27.8 12.0 274 321 3.  
0 26.7 31.2 13.0 300 351 3.5 29.  
5 34.5 14.0 320 374 4.0 33.0 38.6 15.0 337 394 4.5 37.6 44.0 16.

0 352 412 5.0 42.3 49.5 17.0 365 427 5.5 48.0 56.2 6.0 54.5 63.  
8 6.5 61.5 72.0 7.0 69.  
6 81.4 7.5 80.0 93.6 8.

0 92.9 109 9.0 136 159 17.5 = open kvs = 372 435 EN0H-0050GE25 R0706 14 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F-II, DN200 Pre-setting kv-value cv-value Pre-setting kv-value cv-value 1.5 32.5 38.0 10.0 364 426 2.0 41.3 48.

3 11.0 435 509 2.5 48.9 57.2 12.0 489 572 3.0 55.5 64.9 13.0 537 628 3.  
5 62.1 72.7 14.0 575 673 4.0 69.  
3 81.1 15.0 613 717 4.5 77.8 91.

0 16.0 646 756 5.0 88.1 103 17.0 677 792 5.5 101 118 6.0 115 135 6.5 133 156 7.0 154 180 7.5 179 209 8.

0 208 243 9.0 284 332 18.0 = open kvs = 704 824 Honeywell Subject to change 15 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F, DN250 Pre-setting kv-value cv-value 1 66 77 2 178 208 3 297 347 4 410 480 5 514 601 6 587 687 7 649 759 8 731 855 9 800 936 11.0 = open kvs = 812 950 EN0H-0050GE25 R0706 16 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F, DN300 Pre-setting kv-value cv-value 1 109 128 2 248 290 3 411 481 4 560 655 5 696 814 6 825 965 7 944 1104 8 1044 1221 9 1138 1331 10 1226 1434 11 1291 1510 12 1324 1549 13 14.0 = open 1345 kvs = 1380 1573 1615 Honeywell Subject to change 17 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F, DN350 Pre-setting kv-value cv-value 1 128 150 2 300 351 3 495 579 4 677 792 5 851 996 6 1019 1192 7 1163 1361 8 1272 1488 9 1386 1622 10 1513 1770 11 1606 1879 12.

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0 = open kvs = 1651 1932 EN0H-0050GE25 R0706 18 Honeywell Subject to change V6000 KOMBI-F-II, KOMBI-F Flow Data Kombi-F, DN400 Pre-setting  
kv-value cv-value 1 201 235 2 430 503 3 690 807 4 946 1107 5 1182 1383 6 1409 1649 7 1612 1886 8 1752 2050 9 1874 2193 10 1991 2329 11 2092 2448 12  
2256 2640 13.0 = open kvs = 2389 2795 Honeywell Subject to change 19 EN0H-0050GE25 R0706 V6000 KOMBI-F-II, KOMBI-F Influence of Coolants on  
Flow Values The flow through a valve is defined by the kv-value. @@@@For fluids.



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