



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL KOMBI-3-PLUS. You'll find the answers to all your questions on the HONEYWELL KOMBI-3-PLUS in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL KOMBI-3-PLUS  
User guide HONEYWELL KOMBI-3-PLUS  
Operating instructions HONEYWELL KOMBI-3-PLUS  
Instructions for use HONEYWELL KOMBI-3-PLUS  
Instruction manual HONEYWELL KOMBI-3-PLUS

**Honeywell**



## V5000, V5010 Kombi-3-plus

BALANCING AND SHUTOFF VALVES

**PRODUCT DATA**

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V5000 Kombi-3-plus RED



V5010 Kombi-3-plus BLUE

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EN04-02790E25 R0605



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*Manual abstract:*

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.. 17 Flow Data V5010 Kombi-3-plus BLUE, DN65...

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. 18 Flow Data V5010 Kombi-3-plus BLUE, DN80.....

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04 3.8 4.0 4.2 4.4 4.6 4.8 4.9 = open kvs = 2.70 3.16 1.

92 2.12 2.31 2.49 2.63 2.

67 2.25 2.48 2.70 2.



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08 3.12 NOTE: Flow diagram is ONLY valid for valve WITHOUT installed actuator (-adapter) or Kombi-Diaphragm Unit EN0H-0278GE25 R0605 12 Subject to change · All rights reserved 0,145 P.S.I. 0,3 0,5 1,0 7 2,0 3,0 4,0 5,0 6,0 7 8 8,7 V5000, V5010 KOMBI-3-PLUS Flow Data V5010 Kombi-3-plus BLUE, DN20 Pre-setting 6 0,3 0,6 0,8 1 1,2 1,5 2 2,5 3 3,5 4 5 5,9 5 4 3 2 8 9 100 10000 4 5 6 3 2 mbar 10 Pa 1000 Pressure drop 60 Flow kg/h 100 2 0,05 3 4 0,1 5 6 7 8 9 1000 0,25 0,5 2 3 1,0 4 5 6 7 8 9 10000 2,5 0,017 l/sec Pre-setting kv-value cv-value Pre-setting kv-value cv-value 0.3 0.4 0.6 0.8 1.0 1.

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70 1.90 2.10 2.30 2.50 2.70 2.91 3.12 3.36 3.60 3.

86 0.80 0.84 0.98 1.13 1.29 1.52 1.76 1.99 2.22 2.  
46 2.69 2.93 3.16 3.40 3.  
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9 = open kvs = 6.40 7.49 4.12 4.40 4.69 4.99 5.28 5.57 5.84 6.  
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1 Subject to change · All rights reserved 17 EN0H-0278GE25 R0605 0,145 P.S.I. 0,3 0,5 1,0 7 2,0 3,0 4,0 5,0 6,0 7 8 8,7 V5000, V5010 KOMBI-3-PLUS Flow Data V5010 Kombi-3-plus BLUE, DN65 Pre-setting 6 1 1,5 2 3 4 5 6 7,9 5 4 3 2 8 9 100 10000 4 5 6 3 2 mbar 10 Pa 1000 Pressure drop 100 Flow kg/h 2 3 4 0,1 5 6 7 8 9 1000 0,25 0,5 2 3 4 1,0 5 6 7 8 9 10000 2,5 5,0 2 3 4 10,0 5 6 0,028 l/sec Pre-setting kv-value cv-value Pre-setting kv-value cv-value 1.0 1.2 1.4 1.6 1.8 2.0 2.

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64 1.76 2.93 4.10 5.27 6.44 9.01 11.7 14.3 17.0 19.  
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5 52.5 53.1 53.8 54.4 55.0 55.0 55.3 55.5 EN0H-0278GE25 R0605 18 Subject to change · All rights reserved 0,145 P.S. I. 0,3 0,5 1,0 7 2,0 3,0 4,0 5,0 6,0 7 8 8,7 V5000, V5010 KOMBI-3-PLUS Flow Data V5010 Kombi-3-plus BLUE, DN80 Pre-setting 6 1 1,5 2 3 4 5 6 7 7,9 5 4 3 2 8 9 100 10000 4 5 6 3 2 mbar 10 Pa 1000 Pressure drop 100 Flow kg/h 2 3 4 0,1 5 6 7 8 9 1000 0,25 0,5 2 3 4 1,0 5 6 7 8 9 10000 2,5 5,0 2 3 4 10,0 5 6 0,028 l/sec Pre-setting kv-value kv-value Pre-setting kv-value kv-value 1.0 1.2 1.4 1.

6 1.8 2.0 2.2 2.4 2.  
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20 4.20 6.20 8.10 10.1 12.1 15.3 18.5 21.6 24.8 28.  
0 30.9 33.9 36.8 39.8 42.  
7 44.9 47.0 2.57 4.91 7.  
25 9.48 11.8 14.2 17.9 21.6 25.3 29.0 32.8 36.1 39.

7 43.1 46.6 50.0 52.5 55.0 4.6 4.8 5.0 5.2 5.  
4 5.6 5.8 6.0 6.2 6.  
4 6.6 6.8 7.0 7.2 7.  
4 7.6 7.9 = open kvs = 71.0 83.1 49.2 51.3 53.5 55.2 57.0 58.

7 60.5 62.2 63.4 64.5 65.7 66.8 68.0 68.6 69.2 69.  
8 57.6 60.0 62.6 64.6 66.  
7 68.7 70.8 72.8 74.2 75.

5 76.9 78.2 79.6 80.3 81.0 81.7 Subject to change · All rights reserved 19 EN0H-0278GE25 R0605 0,145 P.S.I. 0,3 0,5 1,0 7 2,0 3,0 4,0 5,0 6,0 7 8 8,7 V5000, V5010 KOMBI-3-PLUS Influence of Coolants on Flow Values The flow through a valve is defined by the kv-value.

The kv-value is the flow m through a valve in [m<sup>3</sup>/h] at a differential pressure of 1 bar (14,5 psi) and is only valid for fluids with a density of  $\rho = 1000 \text{ kg/m}^3$ . This condition is met by water at a temperature of 20°C (68°F). @@The correction factor f can be used to re-calculate kv-value, pressure drop and flow:  
 $K_{v\text{Medium}} = K_{v0} \times 1 f_{p\text{Medium}} = p_0 \times f$  Table 1. @@Antifrogen N Propylen glycol e.g. @@Subject to change · All rights reserved .



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