



# Your PDF Guides

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

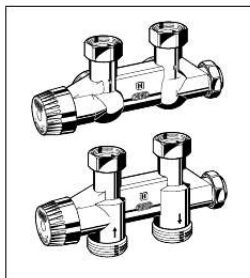
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**Honeywell**

## V2464, V2474 Therfix

H-BLOCK WITH TRV INSERT

PRODUCT DATA



### Application

The Therfix is used to connect compact radiators or universal radiators (6-port radiators) with 50 mm connection distance to one- or two-pipe hydraulic heating systems. Radiators connected with a Therfix can be drained or filled, even when the system is operating. Therfix is equipped with a TRV insert in the supply, a pre-settable lockshield insert in the return and an M30 x 1.5 thermostat thread. The Therfix is compatible with all Honeywell radiator thermostats with M30 x 1.5 connection.

### Features

- One solution for radiator connection: valve with integrated thermostatic insert and pre-settable lockshield insert
- Functions: control, pre-setting, drain, shut-off
- When radiator is drained the supply riser tube inside the radiator is automatically also drained
- Robust valve housing made of corrosion resistant brass
- Available for wall or floor connection
- Valve is supplied with suitable connections for most compact or universal radiators

### Specifications

Medium	Heating water
pH-value	8...9.5
Operating temperature	max. 130°C (266°F)
Operating pressure	max. 16 bar (232 p.s.i.)
$k_{vs}$ -values	0.8 (two pipe) 1.7 (one pipe)
Thermostat thread	M30 x 1.5
Closing dimension	11,5 mm

### Design

The Therfix consists of:

- Valve housing angle pattern for wall connection or straight pattern for floor connection
- TRV valve insert in the supply
- Verafix-E insert in the return
- Radiator connections

### Materials

- Valve housing made of brass, matt nickel-plated
- Valve insert made of brass with O-rings and soft sealings made of EPDM
- Radiator connections made of brass
- Protection cap made of brass, nickel-plated

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**Manual abstract:**

@@Radiators connected with a Therafix can be drained or filled, even when the system is operating. Therafix is equipped with a TRV insert in the supply, a pre-settable lockshield insert in the return and an M30 x 1.5 thermostat thread. The Therafix is compatible with all Honeywell radiator thermostats with M30 x 1.5 connection. )HDWXUHV · One solution for radiator connection: valve with integrated thermostatic insert and pre-settable lockshield insert · Functions: control, pre-setting, drain, shut-off · When radiator is drained the supply riser tube inside the radiator is automatically also drained · Robust valve housing made of corrosion resistant brass · Available for wall or floor connection · Valve is supplied with suitable connections for most compact or universal radiators 'HVLJQ The Therafix consists of: · Valve housing angle pattern for wall connection or straight pattern for floor connection · TRV valve insert in the supply · Verafix-E insert in the return · Radiator connections 6SHFLILFDWLRQV Medium pH-value Operating temperature Operating pressure kvs-values Heating water 8...9,5 max. 130°C (266°F) max.

16 bar (232 p.s.i.) 0,6 (two pipe) 1,7 (one pipe) M30 x 1.5 11,5 mm 0DWHULDOV · Valve housing made of brass, matt nickel-plated · Valve insert made of brass with O-rings and soft sealings made of EPDM · Radiator connections made of brass · Protection cap made of brass, nickel-plated Thermostat thread Closing dimension Copyright © 2001 Honeywell AG · All rights reserved EN0H-0172GE25 R1001 THERAFIX )XQFWLRQ The Therafix connects individual radiators to the heating loop.

Together with a radiator thermostat, e.g. Thera-3 (not supplied with the valve) the Therafix controls the amount of heating water flowing through the radiator depending on the ambient room temperature. When the temperature increases the sensor inside the thermostat expands and acts onto the valve spindle of the thermostatic insert of the Therafix. The valve is closed and the flow through the radiator is throttled.

@@@ for removal. 'LPHQVLRQV Fig. 1. @@2. Therafix straight (floor) 2UGHULQJ ,QIRUPDWLRQ Item For two-pipe systems Angle (Wall connection) Angle (Wall connection) Straight (floor connection) Straight (floor connection) For one-pipe systems Angle (Wall connection) Angle (Wall connection) Straight (floor connection) Straight (floor connection) 3/4" external 3/4" external 3/4" external 3/4" external 1/2" internal 3/4" external 1/2" internal 15 15 15 15 1,7 1,7 1,7 1,7 V2464XE0020 V2464YE0015 V2464XD0020 V2464YD0015 3/4" external 3/4" external 3/4" external 3/4" external 1/2" internal 3/4" external 1/2" internal 15 15 15 15 0,6 0,6 0,6 0,6 V2474XE0020 V2474YE0015 V2474XD0020 V2474YD0015 Pipe connection Radiator connection DN kvs-value OS-No. EN0H-0172GE25 R1001 2 Honeywell AG · All rights reserved THERAFIX ,QVWDOODWLRQ (IDPSOH Fig. 3. Two-pipe system with Therafix \$FFHVVRULHV &RPSUHVVLRQ ILWWLQJ IRU FRSSHU DQG VWHHO SLSH FRQVLVWLQJ RI XQLRQ QXWV FRPSUHVVLRQ ULQJV DQG VXSSRUW LQVHUWV 3/4" x 10 mm 3/4" x 12 mm 3/4" x 14 mm 3/4" x 15 mm 3/4" x 16 mm 3/4" x 18 mm VA7200A010 VA7200A012 VA7200A014 VA7200A015 VA7200A016 VA7200A018 6SHFLDO 9HUDIL[ NH VA8300A001 'UDLQLQJ DGDSWHU VA3300A001 &RPSUHVVLRQ ILWWLQJ IRU SODVWLF SLSH FRQVLVWLQJ RI XQLRQ QXWV FRPSUHVVLRQ ULQJV DQG VXSSRUW LQVHUWV 3/4" x 12 x 2 mm 3/4" x 14 x 2 mm 3/4" x 16 x 2 mm 3/4" x 17 x 2 mm 3/4" x 18 x 2 mm VA7210A012 VA7210A014 VA7210A016 VA7210A017 VA7210A018 5HSODFHPHQW 759 LQVHUW for two-pipe version for one-pipe version VS1200BB01 VS1200UB01 &RPSUHVVLRQ ILWWLQJ IRU 8QLSLSH DQG DOSH[WKHUP FRPSRVLWH SLSH FRQVLVWLQJ RI XQLRQ QXWV DQG SLSH VXSSRUWV 3/4" x 14 x 2 mm 3/4" x 16 x 2 mm 3/4" x 18 x 2 mm VA7220A014 VA7220A016 VA7220A018 NOTE: Installation according to manufacturer's guidelines. Honeywell AG · All rights reserved 3 EN0H-0172GE25 R1001 THERAFIX )ORZ 'DWD 7ZRSLSH 9HUVLRQ 9 3UHVHWWLQJ YDOXH IRU 7KHUDIL[ LQ WZRSLSH VVWHPV 3%DQG . Pre-setting = Turns of setting screw kv-value 0.

5 0,16 1 0,32 1,5 0,40 2 0,45 2,5 0,47 3 0,48 3,5 0,49 4 0,50 )ORZ YDOXH IRU 7KHUDIL[ LQ WZRSLSH VVWHPV SUHVHWWLQJ P-Band kv-value 1K 0,22 2K 0,45 3K 0,50 open kvs = 0,60 EN0H-0172GE25 R1001 4 Honeywell AG · All rights reserved THERAFIX )ORZ 'DWD 2QHSLSH 9HUVLRQ 9 3UHVHWWLQJ YDOXH IRU 7KHUDIL[ LQ RQHSLSH VVWHPV 3%DQG . Pre-setting = Turns of setting screw kv-value Radiator share 0.5 1,04 23% 1 1,20 33% 1.5 1,33 40% 2 1,42 44% 2.5 1,46 45% 3 1,51 47% 3.5 1,53 48% 4 1,55 48% )ORZ YDOXH IRU 7KHUDIL[ LQ RQHSLSH VVWHPV SUHVHWWLQJ P-Band kv-value Radiator share 0K = bypass 0,8 0% 1K 1,18 31% 2K 1,42 44% 3K 1,55 48% open 1,7 53% NOTE: These values are for a common compact or universal radiator of 600 mm height, without thermostatic valve insert and with a kv-value of 2,4. .



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