

# PANEL RADIATOR INSTALLATION, OPERATION & MAINTENANCE MANUAL



ATTENTION: READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE, OR SERVICE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

INSPECT THE SHIPMENT IMMEDIATELY WHEN RECEIVED TO DETERMINE IF ANY DAMAGE HAS OCCURRED DURING SHIPMENT.



#### **Section 1: General Information**

#### **Important Information**

Inspect Panel Radiator and all contents for damage prior to installation. There will be 2 boxes. One contains the panel radiator and one contains necessary mounting hardware and radiator accessories. If additional accessories were ordered, they will arrive in a 3rd box check your packing slip for more information.

#### **Accessory Box Contents**

- Insert Pack containing: 1 Valve insert, 1 valve insert cover, 1 drain cover (see Fig. 1)
- Type 11 only L Bracket Installation Kit containing: 2 brackets, 4 wall anchors, 4 bolts, 1 air vent, 1 drain cover, 2 plastic locking clips, 4 plastic U inserts (2 needed, 2 extra) (see Fig. 2)
- Type 21/22/33 only J Bracket Installation Kit containing: 2 J Brackets, 4 wall anchors, 4 bolts, 1 air vent, 1 drain cover (see Fig. 3)

PLEASE NOTE: Any 70" (1800 mm) panel radiator will require the installation of a 3rd bracket in the center of the unit. These units will come with 2 bracket kits. Only 1 bracket needs to be used from the 2nd kit.

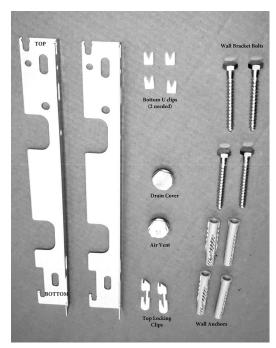


Figure 2 – L Bracket Kit



Figure 1 - Insert Pack Contents

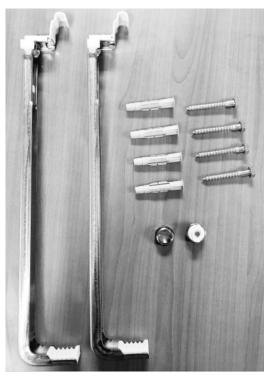


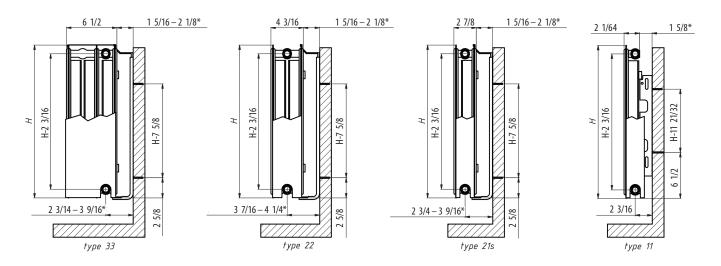
Figure 3 – J Bracket Kit

# **Section 2: Specifications and Ratings**

|      |                                    |       | Dimensions (HxL)                        |                          | Output          | Output          | Output           | Output           | \\/-!-!      | Water         | Equivalent               |
|------|------------------------------------|-------|---|--------------------------|-----------------|-----------------|------------------|------------------|--------------|---------------|--------------------------|
| Туре | Part Number                        | Depth | ln.                                     | mm                       | (BTU)<br>@120°F | (BTU)<br>@140°F | (BTU)<br>@160°F  | (BTU)<br>@180°F  | Weight (lbs) | Content (gal) | Baseboard<br>@180°F (ft) |
|      | 5136U1150040100                    |       | 19 11/16 x 15 3/4                       | 500 x 400                | 506             | 810             | 1,139            | 1,472            | 13           | 0.29          | 3                        |
| 11   | 5136U1150060100                    |       | 19 11/16 x 23 5/8                       | 500 x 600                | 758             | 1,215           | 1,708            | 2,207            | 18           | 0.44          | 4                        |
|      | 5136U1150070100                    |       | 19 11/16 x 27 9/16                      | 500 x 700                | 887             | 1,419           | 1,991            | 2,575            | 22           | 0.50          | 5                        |
|      | 5136U1150090100                    |       | 19 11/16 x 35 7/16                      | 500 x 900                | 1,140           | 1,824           | 2,560            | 3,311            | 26           | 0.66          | 6                        |
|      | 5136U1150100100<br>5136U1160060100 |       | 19 11/16 x 39 3/8<br>23 5/8 x 23 5/8    | 500 x 1000<br>600 x 600  | 1,268<br>922    | 2,024<br>1,490  | 2,847<br>2,093   | 3,678<br>2,731   | 29<br>22     | 0.73<br>0.52  | 5<br>5                   |
|      | 5136U1160070100                    |       | 23 5/8 x 27 9/16                        | 600 x 600                | 1,081           | 1,737           | 2,444            | 3,189            | 24           | 0.60          | 6                        |
|      | 5136U1160090100                    |       | 23 5/8 x 35 7/16                        | 600 x 900                | 1,389           | 2,237           | 3,145            | 4.104            | 31           | 0.76          | 8                        |
|      | 5136U2640040000                    |       | 15 3/4 x 15 3/4                         | 400 x 400                | 583             | 927             | 1,280            | 1,654            | 15           | 0.47          | 3                        |
|      | 5136U2640060000                    |       | 15 3/4 x 23 5/8                         | 400 x 600                | 875             | 1,391           | 1,921            | 2,484            | 22           | 0.71          | 5                        |
|      | 5136U2640070000                    |       | 15 3/4 x 27 9/16                        | 400 x 700                | 1,019           | 1,622           | 2,239            | 2,895            | 26           | 0.84          | 6                        |
|      | 5136U2640090000                    |       | 15 3/4 x 35 7/16                        | 400 x 900                | 1,311           | 2,083           | 2,879            | 3,726            | 33           | 1.08          | 7                        |
|      | 5136U2640100000                    |       | 15 3/4 x 39 3/8                         | 400 x 1000<br>400 x 1200 | 1,454           | 2,313           | 3,197            | 4,138            | 37           | 1.18          | 8                        |
|      | 5136U2640120000<br>5136U2640140000 |       | 15 3/4 x 47 1/4<br>15 3/4 x 55 1/8      | 400 x 1200<br>400 x 1400 | 1,749<br>2,038  | 2,778<br>3,239  | 3,841<br>4,477   | 4,968<br>5,775   | 44<br>51     | 1.42<br>1.66  | 9<br>10                  |
|      | 5136U2640180000                    |       | 15 3/4 x 70 7/8                         | 400 x 1400<br>400 x 1800 | 2,621           | 4,166           | 5,755            | 7,448            | 64           | 2.16          | 13                       |
|      | 5136U2650040000                    |       | 19 11/16 x 15 3/4                       | 500 x 400                | 699             | 1,114           | 1,558            | 2,002            | 20           | 0.58          | 4                        |
|      | 5136U2650060000                    |       | 19 11/16 x 23 5/8                       | 500 x 600                | 1,047           | 1,674           | 2,340            | 3,009            | 29           | 0.87          | 6                        |
| 21   | 5136U2650070000                    | 2-7/8 | 19 11/16 x 27 9/16                      | 500 x 700                | 1,223           | 1,951           | 2,730            | 3,507            | 33           | 1.03          | 7                        |
| 21   | 5136U2650090000                    | 2-110 | 19 11/16 x 35 7/16                      | 500 x 900                | 1,570           | 2,507           | 3,508            | 4,511            | 41           | 1.32          | 8                        |
|      | 5136U2650100000                    |       | 19 11/16 x 39 3/8                       | 500 x 1000               | 1,762           | 2,814           | 3,935            | 5,013            | 46           | 1.45          | 9                        |
|      | 5136U2650140000                    |       | 19 11/16 x 55 1/8                       | 500 x 1400               | 2,468           | 3,935           | 5,508            | 6,980            | 53           | 1.58          | 13                       |
|      | 5136U2650180000<br>5136U2660040000 |       | 19 11/16 x 70 7/8<br>23 5/8 x 15 3/4    | 500 x 1800<br>600 x 400  | 3,173<br>817    | 5,064<br>1,303  | 7,085<br>1,826   | 9,022<br>2,322   | 82<br>24     | 2.61<br>0.68  | 16<br>5                  |
|      | 5136U2660040000<br>5136U2660060000 |       | 23 5/8 x 23 5/8                         | 600 x 400                | 1,226           | 1,955           | 2,734            | 3,533            | 33           | 1.03          | 7                        |
|      | 5136U2660070000                    |       | 23 5/8 x 27 9/16                        | 600 x 700                | 1,431           | 2,280           | 3,192            | 4,120            | 40           | 1.21          | 8                        |
|      | 5136U2660090000                    |       | 23 5/8 x 35 7/16                        | 600 x 900                | 1,840           | 2,935           | 4,106            | 5,302            | 49           | 1.55          | 10                       |
|      | 5136U2660100000                    |       | 23 5/8 x 39 3/8                         | 600 x 1000               | 2,043           | 3,257           | 4,559            | 5,887            | 55           | 1.71          | 11                       |
|      | 5136U2660120000                    |       | 23 5/8 x 47 1/4                         | 600 x 1200               | 2,449           | 3,908           | 5,471            | 7,064            | 66           | 2.06          | 13                       |
|      | 5136U2660140000                    |       | 23 5/8 x 55 1/8                         | 600 x 1400               | 2,861           | 4,564           | 6,386            | 8,206            | 77           | 2.38          | 15                       |
|      | 5136U2230060000                    |       | 11 13/16 x 23 5/8                       | 300 x 600                | 825             | 1,309           | 1,824            | 2,358            | 20           | 0.55          | 5                        |
|      | 5136U2230070000                    |       | 11 13/16 x 27 9/16                      | 300 x 700                | 962<br>1,237    | 1,526           | 2,130<br>2,739   | 2,750<br>3,542   | 24<br>29     | 0.66<br>0.84  | 7                        |
|      | 5136U2230090000<br>5136U2230100000 |       | 11 13/16 x 35 7/16<br>11 13/16 x 39 3/8 | 300 x 900<br>300 x 1000  | 1,375           | 1,966<br>2,182  | 3,042            | 3,934            | 33           | 0.04          | 8                        |
|      | 5136U2230100000                    | -     | 11 13/16 x 47 1/4                       | 300 x 1000               | 1,649           | 2,619           | 3,651            | 4,719            | 37           | 1.13          | 9                        |
|      | 5136U2230130000                    |       | 11 13/16 x 51 3/16                      | 300 x 1300               | 1,787           | 2,839           | 3,958            | 5,115            | 42           | 1.24          | 10                       |
|      | 5136U2230140000                    |       | 11 13/16 x 55 1/8                       | 300 x 1400               | 1,924           | 3,056           | 4,260            | 5,491            | 48           | 1.37          | 11                       |
|      | 5136U2230180000                    | ] !   | 11 13/16 x 70 7/8                       | 300 x 1800               | 2,474           | 3,932           | 5,478            | 7,084            | 57           | 1.69          | 13                       |
|      | 5136U2240040000                    |       | 15 3/4 x 15 3/4                         | 400 x 400                | 712             | 1,132           | 1,583            | 2,013            | 18           | 0.47          | 4                        |
|      | 5136U2240060000                    | -     | 15 3/4 x 23 5/8                         | 400 x 600                | 1,065           | 1,696           | 2,374            | 3,016            | 26           | 0.71          | 6                        |
|      | 5136U2240070000<br>5136U2240090000 |       | 15 3/4 x 27 9/16<br>15 3/4 x 35 7/16    | 400 x 700<br>400 x 900   | 1,242<br>1,595  | 1,978<br>2,546  | 2,767<br>3,559   | 3,518<br>4,524   | 31<br>40     | 0.84<br>1.08  | 7<br>8                   |
|      | 5136U2240090000<br>5136U2240100000 | -     | 15 3/4 x 39 7/16                        | 400 x 900<br>400 x 1000  | 1,777           | 2,828           | 3,957            | 5,026            | 42           | 1.18          | 9                        |
|      | 5136U2240120000                    |       | 15 3/4 x 47 1/4                         | 400 x 1200               | 2,130           | 3,396           | 4,744            | 6,029            | 51           | 1.42          | 11                       |
| 22   | 5136U2240140000                    | 4-1/8 | 15 3/4 x 55 1/8                         | 400 x 1400               | 2,484           | 3,960           | 5,539            | 7,006            | 60           | 1.67          | 13                       |
|      | 5136U2240180000                    |       | 15 3/4 x 70 7/8                         | 400 x 1800               | 3,195           | 5,096           | 7,122            | 9,049            | 75           | 2.16          | 16                       |
|      | 5136U2250040000                    | -     | 19 11/16 x 15 3/4                       | 500 x 400                | 911             | 1,458           | 2,038            | 2,620            | 22           | 0.58          | 5                        |
|      | 5136U2250060000                    |       | 19 11/16 x 23 5/8                       | 500 x 600                | 1,365           | 2,182           | 3,053            | 3,925            | 33           | 0.87          | 7                        |
|      | 5136U2250070000                    |       | 19 11/16 x 27 9/16                      |                          | 1,593           | 2,545           | 3,560            | 4,580            | 37           | 1.03          | 8                        |
|      | 5136U2250090000<br>5136U2250100000 |       | 19 11/16 x 35 7/16<br>19 11/16 x 39 3/8 | 500 x 900<br>500 x 1000  | 2,048<br>2,279  | 3,274<br>3,636  | 4,579<br>5,090   | 5,889<br>6,545   | 49<br>53     | 1.32<br>1.45  | 11<br>12                 |
|      | 5136U2260040000                    |       | 23 5/8 x 15 3/4                         | 600 x 400                | 1,088           | 1,744           | 2,448            | 3,184            | 26           | 0.68          | 6                        |
|      | 5136U2260060000                    |       | 23 5/8 x 23 5/8                         | 600 x 600                | 1,633           | 2,615           | 3,673            | 4,781            | 40           | 1.03          | 9                        |
|      | 5136U2260070000                    |       | 23 5/8 x 27 9/16                        | 600 x 700                | 1,904           | 3,050           | 4,285            | 5,575            | 46           | 1.21          | 10                       |
|      | 5136U2260090000                    |       | 23 5/8 x 35 7/16                        | 600 x 900                | 2,449           | 3,991           | 5,605            | 7,172            | 57           | 1.55          | 13                       |
|      | 5136U2260100000                    |       | 23 5/8 x 39 3/8                         | 600 x 1000               | 2,766           | 4,434           | 6,228            | 7,965            | 64           | 1.71          | 14                       |
|      | 5136U2260120000                    |       | 23 5/8 x 47 1/4                         | 600 x 1200               | 3,319           | 5,323           | 7,474            | 9,562            | 75           | 2.06          | 17                       |
|      | 5136U2260140000                    |       | 23 5/8 x 55 1/8                         | 600 x 1400               | 3,868           | 6,208           | 8,719            | 11,083           | 86           | 2.41          | 20                       |
| 33   | 5136U2260180000<br>5136U3350060000 | 6-1/2 | 23 5/8 x 70 7/8<br>19 11/16 x 23 5/8    | 600 x 1800<br>500 x 600  | 4,976<br>1,743  | 7,979<br>2,767  | 11,206<br>3,929  | 14,335<br>5,132  | 112<br>49    | 3.09<br>1.32  | 25<br>9                  |
|      | 5136U3350070000                    |       | 19 11/16 x 27 9/16                      | 500 x 600<br>500 x 700   | 2,035           | 3,226           | 4,587            | 5,132            | 57           | 1.53          | 11                       |
|      | 5136U3350070000<br>5136U3350090000 |       | 19 11/16 x 35 7/16                      | 500 x 700                | 2,615           | 4,146           | 5,893            | 7,694            | 73           | 1.98          | 14                       |
|      | 5136U3350100000                    |       | 19 11/16 x 39 3/8                       | 500 x 1000               | 2,903           | 4,608           | 6,548            | 8,551            | 79           | 2.19          | 15                       |
|      | 5136U3360060000                    |       | 23 5/8 x 23 5/8                         | 600 x 600                | 2,147           | 3,424           | 4,785            | 6,117            | 60           | 1.55          | 11                       |
| 33   | 5136U3360090000                    |       | 23 5/8 x 35 7/16                        | 600 x 900                | 3,221           | 5,138           | 7,184            | 9,177            | 86           | 2.32          | 16                       |
|      | 5136U3360100000                    |       | 23 5/8 x 39 3/8                         | 600 x 1000               | 3,577           | 5,705           | 7,979            | 10,199           | 95           | 2.58          | 18                       |
|      | 5136U3360120000                    |       | 23 5/8 x 47 1/4                         | 600 x 1200               | 4,293           | 6,847           | 9,577            | 12,237           | 115          | 3.09          | 22                       |
|      | 5136U3360140000<br>5136U3360180000 |       | 23 5/8 x 55 1/8<br>23 5/8 x 70 7/8      | 600 x 1400<br>600 x 1800 | 5,011<br>6,441  | 7,990<br>10,271 | 11,172<br>14,363 | 14,213<br>18,355 | 135<br>170   | 3.60<br>4.64  | 25<br>32                 |
|      | . 5 100 0000 100000                |       |   | 1000 X 1000              | U, T+ 1         | 10,211          | 1-7,000          | 10,000           | 170          | 7.04          | U                        |

# **Section 3: Dimensional Drawings**

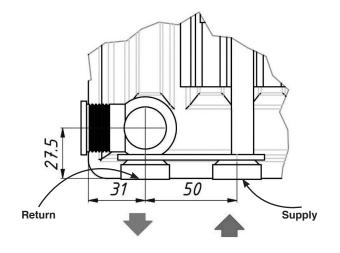
#### **Overall Dimensions**



\*Distance from wall will vary depending upon placement of radiator on bracket. Bracket depth is adjustable.

H = Height of Radiator (12"/16"/20"/24")

#### **Valve Connection**



#### **Dimensions (Valve Connection)**

| mm   | inches  |
|------|---------|
| 27.5 | 1-1/16  |
| 31   | 1-1/4   |
| 50   | 1-15/16 |

#### Section 4: Bracket Installation Instructions

#### Type 11 – L Bracket Installation

Step 1: L Brackets can be installed using the thin or wide width of the wall bracket. Job site preference will dictate which installation will work best.

Units should be installed at least 4" above the floor for proper operation. Measure required distance for bracket installation using the brackets on the back side of the panel radiator as a guide. It is recommended to install the brackets on a stud, if one is not available, wall anchors have been provided.

The brackets are identical, no left or right. The U notches on the top and bottom of the brackets face up (refer to Figure 2 page 2). These notches are where the unit will rest.

Step 2: Insert white plastic anti-vibration locking clip into notch at the top of the wall bracket until it clicks (see Figure 5). Insert the small square plastic U clip into the bottom notch of the wall bracket until it clicks (see Figure 6). See Figure 4 for proper placement of top and bottom clips.

Step 3: Install the wall brackets using the wall anchors (when a stud is not available) and bolts supplied with the unit.

Step 4: Install the panel radiator onto the installed wall bracket. Align the bottom U clip with the bottom bracket on the unit, while also aligning the top locking clip with the top mounting bracket on the unit. Push the unit down onto the bracket until the unit locks into place on the top mounting clip. LOCKING CLIP MUST LOCK OVER THE TOP OF THE MOUNTING BRACKET TO HOLD THE UNIT SECURELY TO THE WALL (see Figure 7 for reference only, unit not installed on wall).

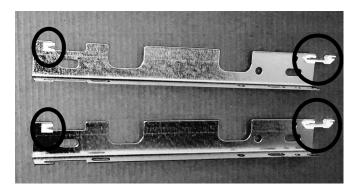


Figure 4 - Locking Clip and U clip Installed

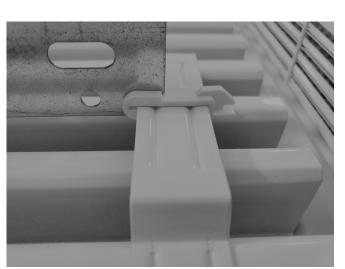


Figure 5 – Top Locking Clip Installed

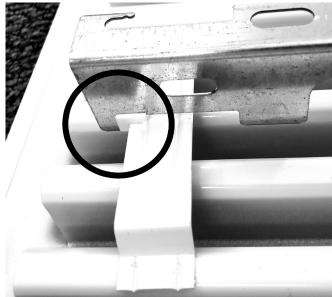


Figure 6 - Bottom U Insert Installed

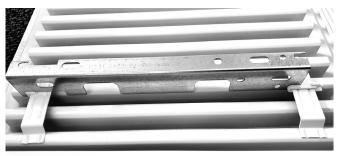


Figure 7 – Final Assembly for illustration purposes not installed on wall

#### Types 21, 22 & 33 J Bracket Installation Instructions

Step 1: Wall brackets should be installed on wall joists whenever possible. Mount the brackets on the wall using the bolts and wall anchors provided. The unit should be mounted at least 4" off the floor. The brackets should be installed 4 ¾" in from the edge of the unit on each side. For units over 70" a 3rd bracket is required to be installed. The 3rd bracket should be installed in the center of the unit.

Step 2: Set the unit on the brackets. The bracket height adjustments can be made by pushing in the tab on the plastic slide adjuster (see Figure 8). To adjust the depth of the bracket (adjusts from 1 5/16" to 2 1/8"), loosen the screw at the top of the bracket to slide the hanger forward or back (see Figure 9). Be sure to set the edge of the back panel into one of the notches in the bottom of the bracket to insure the unit is stable (see Figure 11). Tighten the screw at the top of the bracket to secure the unit in place (See Figure 10).

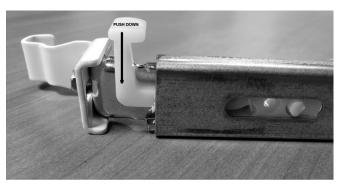


Figure 8 - Height Adjustment



Figure 10 - J Bracket installation



Figure 9 - Depth adjustment



Figure 11 - J Bracket Bottom Notch installation

### **Section 5: Piping**

NOTE: OXYGEN PENETRATION IN THE INSTALLATION NEEDS TO BE AVOIDED IN ORDER TO PREVENT INTERNAL CORROSION OF THE RADIATORS. THESE UNITS MUST BE INSTALLED IN CLOSED LOOP INSTALLATIONS. FAILURE TO DO SO WILL VOID THE WARRANTY.

Check that the unit is firmly in place. Piping to the unit can be done using copper or pex pipe.

Choose a piping arrangement that is suitable for the job. If using 3/4" arrangement, it is highly recommended a 12" allowance of 1/2" piping prior to converting to 3/4". The unit has 6 possible connection points. Two on each side and a bottom connection that can be installed on either the left hand or right hand side as the units are reversible (for all units except the Type 11). Type 11 has right hand connections only. The unit is not reversible. If piping from the bottom, remove the metal covers and the o-rings (see Fig 12). Failure to remove the o-ring will prohibit proper installation of accessories and may cause leaking.

For a bottom piping arrangement, the supply is to the inside of the unit, and the return to the outside (see Fig 13). Should the unit get installed with the incorrect piping arrangement, valves (part # 1016362) are available to reverse the piping with little disruption.

The unit was supplied with 2 blind stops (drain plugs), an air vent, and a thermostatic valve insert and cover.

For bottom piping arrangements, remove the temporary plugs from the left and right hand side lower ports and install the chrome drain plugs. The thermostatic valve and insert must be installed on the same side as the supply and return port located at the bottom of the unit. If piping is on the bottom left hand side, the thermostatic valve and insert must be installed on the top left hand port.

Failure to install correctly will result in noise. Once the insert is installed, a thermostatic head may be installed. If a thermostatic head will not be installed, cover the insert with the white plastic cover supplied with unit. The air vent should be installed on the upper corner opposite the valve insert. See Figure 14 for recommended placement of accessories for bottom piped units.

Once all the connections have been made, the air must be purged from the system. This can be accomplished using the coin air vent that was supplied with the unit.





Figure 12 - O-ring

Figure 13 – Supply / Return connections

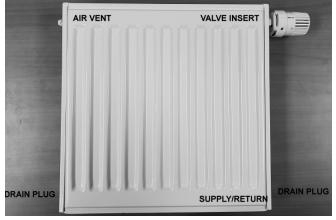
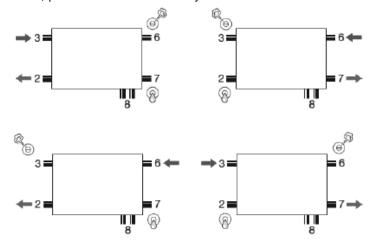


Figure 14 - Accessory placement

#### **Alternative Piping Arrangements**

Below are the recommended alternative piping connections when not piping from the bottom. For alternative piping arrangements not shown, please consult the factory.



## **Section 6: Accessories**

Below is a listing of accessories available through Beacon Morris. It is recommended that these accessories be installed with the Beacon Morris Panel Radiator units to insure proper operation.

|                  | Part Number               | Description  |
|------------------|---------------------------|--|
|                  | 551015943 <sup>(1)</sup>  | H valve for isolation and bypass, straight pattern, 3/4"F x 3/4"M  |
|                  | 551015944 <sup>(1)</sup>  | H valve for isolation and bypass, angle pattern, 3/4"F x 3/4"M   |
|                  | 551016362 <sup>(1)</sup>  | Reverse connection H valve, straight pattern, 3/4"F x 3/4"M  |
|                  | 551016462 <sup>(1)</sup>  | Reverse connection H valve, angle pattern, 3/4"F x 3/4"M   |
| Ge<br>Ge         | 551016844                 | Compression fitting, set of 2, for 1/2" copper   |
| @                | 551646849                 | Compression fitting, set of 2, for 3/8" PEX/PEX-Al-PEX   |
| C <sub>O</sub>   | 551646850                 | Compression fitting, set of 2, for 1/2" PEX/PEX-Al-PEX   |
| e <sub>v</sub> o | 551646851                 | Compression fitting, set of 2, for 5/8" PEX/PEX-Al-PEX   |
|                  | 551013066                 | "Vindo TH" non-electric thermostat - Control range locked or limited. 45-82°F  |
|                  | 551011365                 | "Uni-XH" non-electric thermostat - Control range locked or limited. 45-82°F Mark set valve with memo disk.                                     |
|                  | 551011410*                | "Uni LHB" non-electric thermostat with vandal resistant design<br>Special tool needed to change settings (must order Setting Tool #551011497). |
|                  | 551011497*                | Setting Tool for LHB (#551011410) Thermostat   |
|                  | 551012565                 | Manual valve handle  |
| 0-0              | 551016674                 | Rosette cover for pipe entry   |
|                  | 551011450 (special order) | Right angle adapter M30 x 1.5 (special order not stocked)  |
|                  | 551091082                 | Angle radiator balancing and shut off valve 1/2" NPT - Return Outlet**   |
|                  | 551091182                 | Straight radiator balancing and shut off valve 1/2" NPT - Return Outlet**  |
|                  | 551889004                 | Angle radiator valve 1/2" NPT - Supply Inlet**   |
|                  | 551889104                 | Straight radiator valve 1/2" NPT - Supply Inlet**  |
|                  | 551889204                 | Reverse angle radiator valve 1/2" NPT  |
|                  | 513919020306              | Touch up paint   |

<sup>\*</sup>Must order both parts. Setting Tool must be ordered as a separate line item to be included.

<sup>\*\*</sup>Use when piping onside tappings.

<sup>(1)</sup> Proper compression fitting must be ordered to connect to H valve.

#### **Thermostatic Valve Settings**

The thermostats purchased through Beacon Morris have multiple settings. Refer to the chart below for set points in relation to the number on the valve. The snowflake setting is a low flow / non-freeze setting. This will allow a small amount of water flow to prevent the unit from freezing. If the thermostat is set at 0, no water will flow and the unit will be off. Refer to Figure 16 for the temperature ratings.



"Uni-LH" non-electric thermostat Part # 1011465 shown

| Code | Temperature             |  |  |  |  |
|------|-------------------------|--|--|--|--|
| 0    | OFF                     |  |  |  |  |
| 1    | 54°F                    |  |  |  |  |
| 2    | 61°F                    |  |  |  |  |
| 3    | 68°F                    |  |  |  |  |
| 4    | 75°F                    |  |  |  |  |
| 5    | 80°F                    |  |  |  |  |
| *    | Non-freeze/<br>Low flow |  |  |  |  |

Figure 15 - Tstat Temperature Ratings

## **Section 7: Cleaning the Unit**

The unit may be cleaned using a vacuum or long handled brush.

Never use abrasive cleaners or cleaning products with chemicals as this may compromise the integrity of the finish. The outside of the units can be cleaned with a non-abrasive cloth or sponge and soap. Thoroughly dry the unit with a soft cloth.



260 NORTH ELM STREET, WESTFIELD, MASSACHUSETTS 01085 7555 TRANMERE DRIVE, MISSISSAUGA, ONTARIO L5S 1L4 CANADA