

These instructions contain operating information and should be left with the unit.

Vapac®

ROOM DISTRIBUTION UNITS

Installation & Operation Manual

Edition 3.0

VapaNet



Installation in countries covered by EC Directives:

This product will meet the requirements of the Low Voltage Safety Directive 73 / 23 EEC and the EMC Directive 89 / 336 EEC when installed in accordance with the instructions contained in this manual. Failure to comply with these instructions may invalidate the manufacturer's warranty or any certificate/declaration of conformance requested to be supplied with the unit.

Introduction:

The range of “Room Distribution Units” (RDU’s) are designed to be mounted directly on top of a “Vapac Steam Humidifier”. Essentially they consist of a stainless steel manifold, and a number of axial fans contained in a metal box. The steam manifold distributes the steam evenly across the face of the fans, which blow air over the plumes of steam, in order that the steam is absorbed quickly into the conditioned space.

Prior to Installing the Vapac Unit & RDU.

- Check that the unit and RDU installation complies with the minimum dimension requirements shown in Figure 1 and Table 1 below.

Figure 1

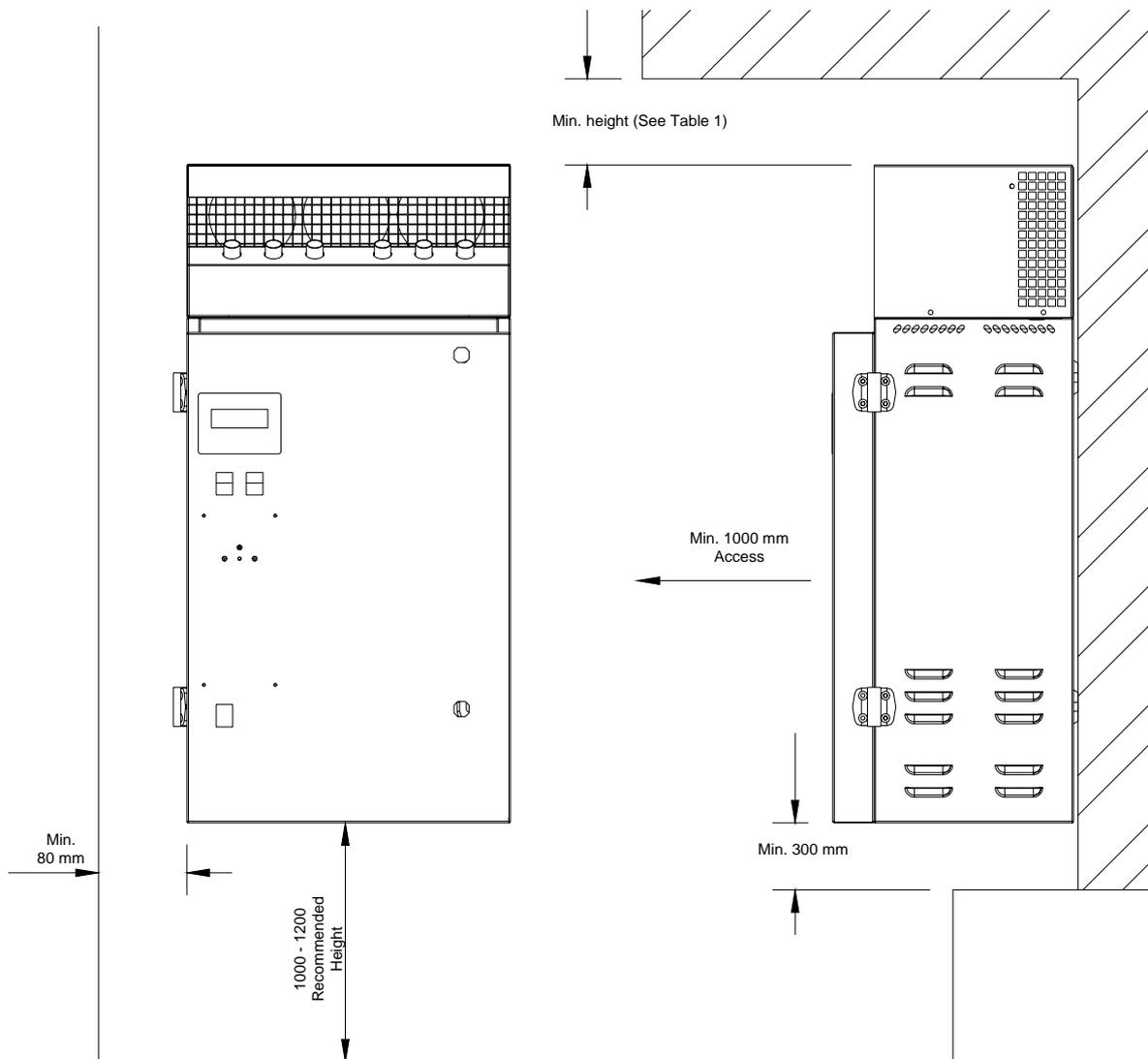


Table 1.

RDU Output (kg/h)	Minimum Distance to Ceiling
0 – 5 kg/h	200 mm
5 – 10 kg/h	250 mm
10 – 30 kg/h	500 mm
30 – 45 kg/h	750 mm

Installation – Mounting Instructions.

- Unpack the RDU, ensuring that all parts/documents are removed prior to discarding the packaging.
- Remove the RDU cover by removing the six screws – 3 each side – and lifting the cover clear.
- Place the RDU on top of the Vapac Unit, so that the steam outlet of the unit and the steam inlet of the RDU are aligned.
- Check the position of all other inlet / outlets from / to the unit / RDU, noting any blanking plugs / knockouts, which need to be removed.
- Remove the RDU from the unit – remove the blanking plugs / knockouts as necessary.
- Re-place the RDU on the unit.
- Secure the RDU in place using the fixings supplied.
- Connect the steam hose between the cylinder outlet and the RDU steam inlet, securing each end with the hose clips provided.
- Connect the condensate hose to the two condensate drain points of the steam header, “Tee” these together using one of the nylon – T’s provided – (see Fig. 2). The second nylon – T should be used to connect the combined condensate drain into the feed line between the “tundish fill cup” and the feed drain manifold – approximately 1/3 of the way up from the manifold – (see Fig. 2).
- Connect the electrical supply to the fans, 230 V~ live from terminal 25, and 230 ~ neutral from terminal 26. The earth should be connected between the RDU (earth stud) and Unit (earth rail).
- Replace the RDU cover, and secure in place with the six screws removed earlier.

Figure 2

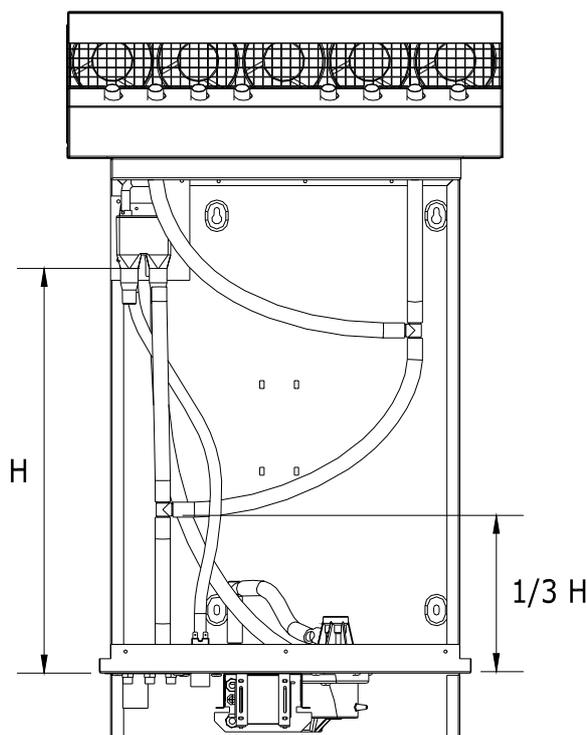


Figure 3

ITEM	RDU05LE	RDU05LR	RDU09LE	RDU10LR	RDU18LE	RDU20LR	RDU30L	RDU45LE	DESCRIPTION
1	BZB094-05	BZB094-01	BZB094-05	BZB094-01	BZB094-07	BZB094-03	BZB094-04	BZB094-09	Base
2	BZB015-5	BZB015-7	BZB015-4	BZB015-6	BZB015-3	BZB015-8	BZB015-1	BZB015-2	Header
3	BZB097-05	BZB097-01	BZB097-05	BZB097-01	BZB097-07	BZB097-03	BZB097-04	BZB097-09	Head Cover
4	BZB145-05	BZB145-01	BZB145-05	BZB145-01	BZB145-07	BZB145-03	BZB145-04	BZB145-09	Head Cover 2
5	BZA954-6	BZA954-7	BZA954-6	BZA954-7	BZA954-6	BZA954-6	BZA954-8	BZA954-9	RDU Grill
6	BZB098-05	BZB098-01	BZB098-05	BZB098-01	BZB098-07	BZB098-03	BZB098-04	BZB098-09	Fan Support
7	BZB099-05	BZB099-01	BZB099-05	BZB099-01	BZB099-07	BZB099-03	BZB099-04	BZB099-09	Top Grill Locator
8	BZB096-05	BZB096-01	BZB096-05	BZB096-01	BZB096-07	BZB096-03	BZB096-04	BZB096-09	Back Cover
9	BZB095-05	BZB095-01	BZB095-05	BZB095-01	BZB095-07	BZB095-03	BZB095-04	BZB095-09	Top Cover
10	2 x 3010034	2 x 3010034	3 x 3010034	3 x 3010034	3 x 3010034	3 x 3010034	5 x 3010034	7 x 3010034	Fan Axial 4650Z PAPT
11	1200100V	Trm Block BK2							
12	1200430	1200430	1200430	1200430	1200430	1200430	1200430	1200430	Trm ADO Earth D4/6.P.ADO
13	1200431	1200431	1200431	1200431	1200431	1200431	1200431	1200431	Trm ADO Control D4/6.ADO
14	1200437	1200437	1200437	1200437	1200437	1200437	1200437	1200437	TRM Fuse Holder M4/8.SF
15	1200436	1200436	1200436	1200436	1200436	1200436	1200436	1200436	Trm End Section For 1200437
16	1200053V	Trm End Brkt EWK (TS32)							
17	8210003	8210003	8210003	8210003	8210003	8210003	8210003	8210003	Rail Contr Slotted TS35

