

Technical Bulletin

Installation: Danesmoor oil boilers – De-aerators

AMENDMENT TO MANUALS

The advice in this Technical Bulletin refers to an amendment to the installation manuals which clarifies when a de-aerator should be installed on the oil supply pipe.

The advice referring to “single pipe suction lift with de-aerator” in current installation manuals is shown in Fig 1. The drawing and highlighted wording will be amended as shown in Fig 2.

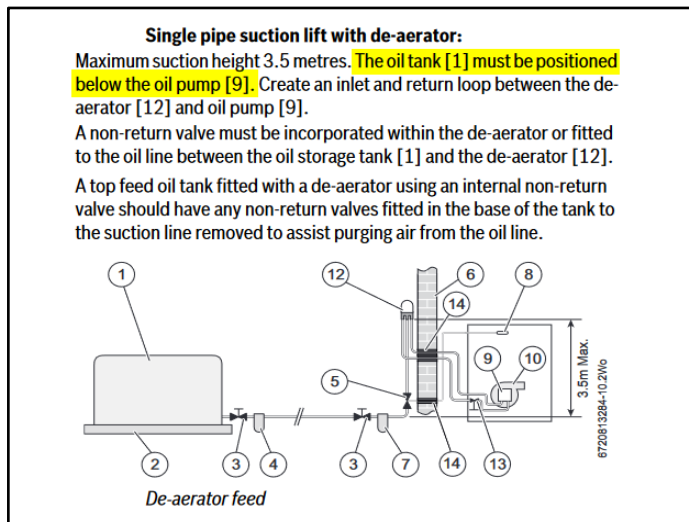


Fig 1

Single pipe suction lift with de-aerator:

Maximum suction height 3.5 metres. If the oil tank [1] outlet is below the oil pump or less than 300mm above the oil pump [9], a de-aerator [12] should be installed. Create an inlet and return loop between the de-aerator [12] and oil pump [9].



A bottom feed oil tank fitted with a de-aerator.

- ▶ A non-return valve must be incorporated within the de-aerator [12] or fitted to the oil line between the oil storage tank [1] and the de-aerator [12].



A top feed oil tank fitted with a de-aerator using an internal non-return valve.

- ▶ Any non-return valves fitted in the base of the tank to the suction line should be removed to assist purging air from the oil line.

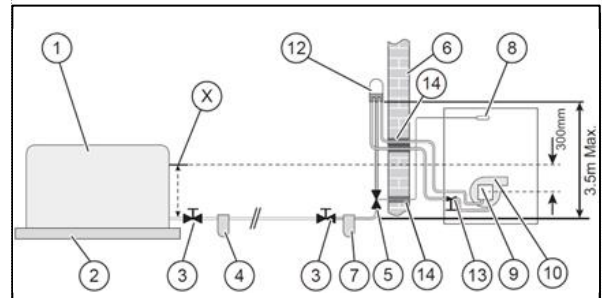


Fig. 22 Single pipe with de-aerator feed

- [1] Oil storage tank
- [2] Full base (plastic tank)
- [3] Isolating valve
- [4] Filter or optional oil strainer and water separator
- [5] Fire valve to BS 5410
- [6] External wall
- [7] Oil filter (70 µm max filtration size)
- [8] Fire valve sensor
- [9] Oil pump
- [10] Oil burner
- [12] De-aerator
- [13] Appliance isolation valve
- [14] Sleeve
- [X] A de-aerator should be installed if the tank outlet is below this height

Fig 2

Whilst it is always our intention to fully assist, it is essential to recognise that all information given by the company in response to an enquiry of any nature is provided in good faith and based upon the information provided with the enquiry. We recommend that advice should always be checked with your installer or contract partner. Consequently, the company cannot be held responsible for any liability relating to the use or repetition of such information or part thereof. In addition, whilst making every reasonable effort to monitor the performance and quality of our supply, installation and service network, we do not accept responsibility for the workmanship or operation of any third party company that the company may have promoted either in conversation, e-mail, or other communication. Similarly, the views and opinions expressed in communication with individuals within the company may not reflect that of the business as a whole.

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