



PRODUCT SPECIFICATION SHEET

TIGERLOOP ORIGINAL DEAERATOR

BRAND:
SPXFLOW
TOP SPEC:
**Max Flow
230lph**
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Product Description

A Tigerloop makes a one-pipe system possible for all types of oil heating installations helping to ensure environmental safety, cost effectiveness and reliability. This is done by effectively removing all gas/air bubbles from the oil system, helping to eliminate oil pump and nozzle problems associated.

Incorporating a Tigerloop into a one-pipe system enhances the oil pump's capacity. The friction generated within the oil pump effectively preheats the oil to room temperature, resolving problems related to cold oil, resulting in cleaner combustion and reduced oil consumption.

For external mounting only - Prohibited for indoor installation due to its venting of potentially contaminated air, which poses risks of explosion or health hazards in enclosed areas. Hence, it must be affixed to the exterior wall of any establishment. In cases where the boiler isn't situated on the perimeter wall, consider employing an internal mounting de-aerator like the **Tigerloop BIO** or the **GOK GS2000** (refer to separate listings).

Typically, an oil pump dispenses a consistent volume of oil, regardless of the actual demand for combustion. In the case of a standard domestic burner, only 5% of the dispensed oil is utilised in combustion, with the remaining 95% returning to the oil tank via a two-pipe system. However, with a Tigerloop automatic oil de-aerator, there's no need to transport oil back to the tank. Instead, the unburned oil is redirected to the Tigerloop, where it undergoes automatic de-aeration repeatedly. Consequently, only the required amount of oil for combustion is drawn from the oil tank.



Main Features

- Max Nozzle Capacity - 110lph
- Max De-Aerating Capacity - 8lph
- Max Return Oil Pumped In To The Tigerloop - 120lph
- Max Flow - 230lph
- Max / Min Operating Pressure In The Feed Line - +0.5 to -0.6 Bar
- Max Operating Temperature - 60°C

Other Features

- The improved original, third-generation automatic oil deaerator
- Automatic de-aerator for oil burner
- Installation completed with fewer connections
- Includes wall mounting bracket

Additional Information & Extras

Tigerloop Original Deaerator	Part Number: TL6000
Tigerloop Original Fitting Kit	Part Number: TL6050
Spare Mounting Bracket	Part Number: TL61101-B

NEED MORE INFORMATION?

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Tigerloop Original Deaerator
SKU: TL6000

OWN TWO-PIPE CIRCULATION

An oil pump delivers the same amount of oil irrespective of what is actually needed for combustion.

In the case of a normal domestic burner, only 5% of the delivered oil is actually burned in combustion. The remaining 95% is transported by a two-pipe system back to the oil tank.

With a Tigerloop automatic oil de-aerator no oil needs to be transported back to the tank.

The oil that is not burned in combustion is lead back to the Tigerloop where it is de-aerated again and again automatically.

For this reason only the amount of oil to be burned in combustion is sucked from the oil tank.

EFFECTIVE DEAERATION

In an oil heating system using a Tigerloop, all oil passes through the automatic oil de-aerator, which effectively removes all gas/air bubbles from the system.

This eliminates oil pump and nozzle problems associated with gas/air in the oil.

PRE-HEATED OIL

A one-pipe system with Tigerloop Deaerator increases the oil pump capacity. Moreover, the oil is actually preheated to at least room temperature as friction in the oil pump generates heat. This eliminates problems with cold oil giving cleaner combustion and reduced oil consumption.

MINIMUM DIRT/SLUDGE

The oil flow in a one-pipe system is minimal due to the fact that only the amount of oil burned needs to be drawn up from the tank. For this reason very little dirt/sludge is transported from the oil tank. This reduces the risk for clogged oil filters and burner nozzles.

Filtration is more effective, soot build up is reduced and filter life is extended.



Tigerloop Original Fitting Kit (TL6050)

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