

立形水管式専焼ボイラ Vertical Cylindrical Water Tube Type Auxiliary Boiler

"OEV" 型ボイラは堅牢なボイラで、過酷な使用が要求されるコンテナ船やタンカーに於いて高い信頼性を発揮しています。

The structure of "OEV" is durable, so this boiler is adopted for hard steam usage vessel such as container carrier or tanker, and "OEV" has been receiving good evaluation.

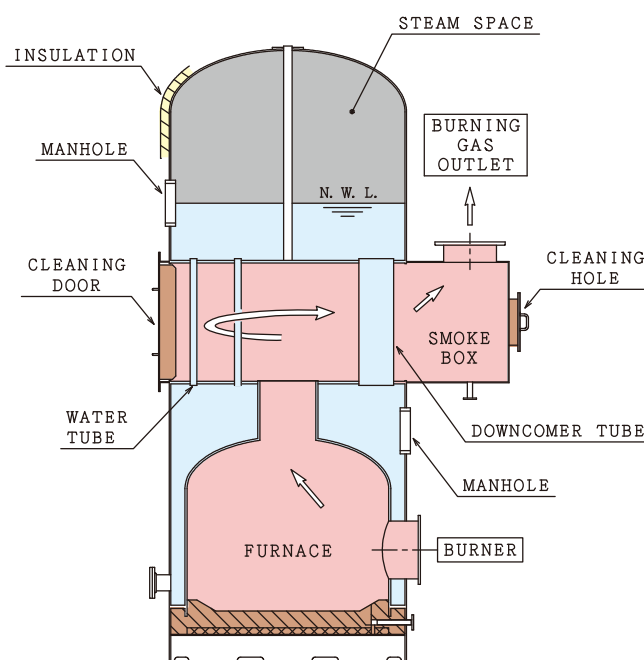
設計圧力 Design pressure	: 0.5 MPaG~1.1 MPaG
蒸発量 Evaporation	: 1,000kg/h ~18,000kg/h
伝熱面構成 Heating surface	: 立形水管 Vertical water tube
火炉 Furnace	: 火炉耐火材式 Refractory furnace bottom type

適用バーナ Adaptable burner	: 油圧噴霧式バーナ Pressure jet type burner ロータリーカップバーナ Rotary cup type burner 蒸気噴霧式バーナ Steam atomizing type burner
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廃油焼却 Waste oil burning	: オプション Option
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低硫黄燃料 Low sulfur fuel	: 使用可能 Possible
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製品断面図 GENERAL VIEW

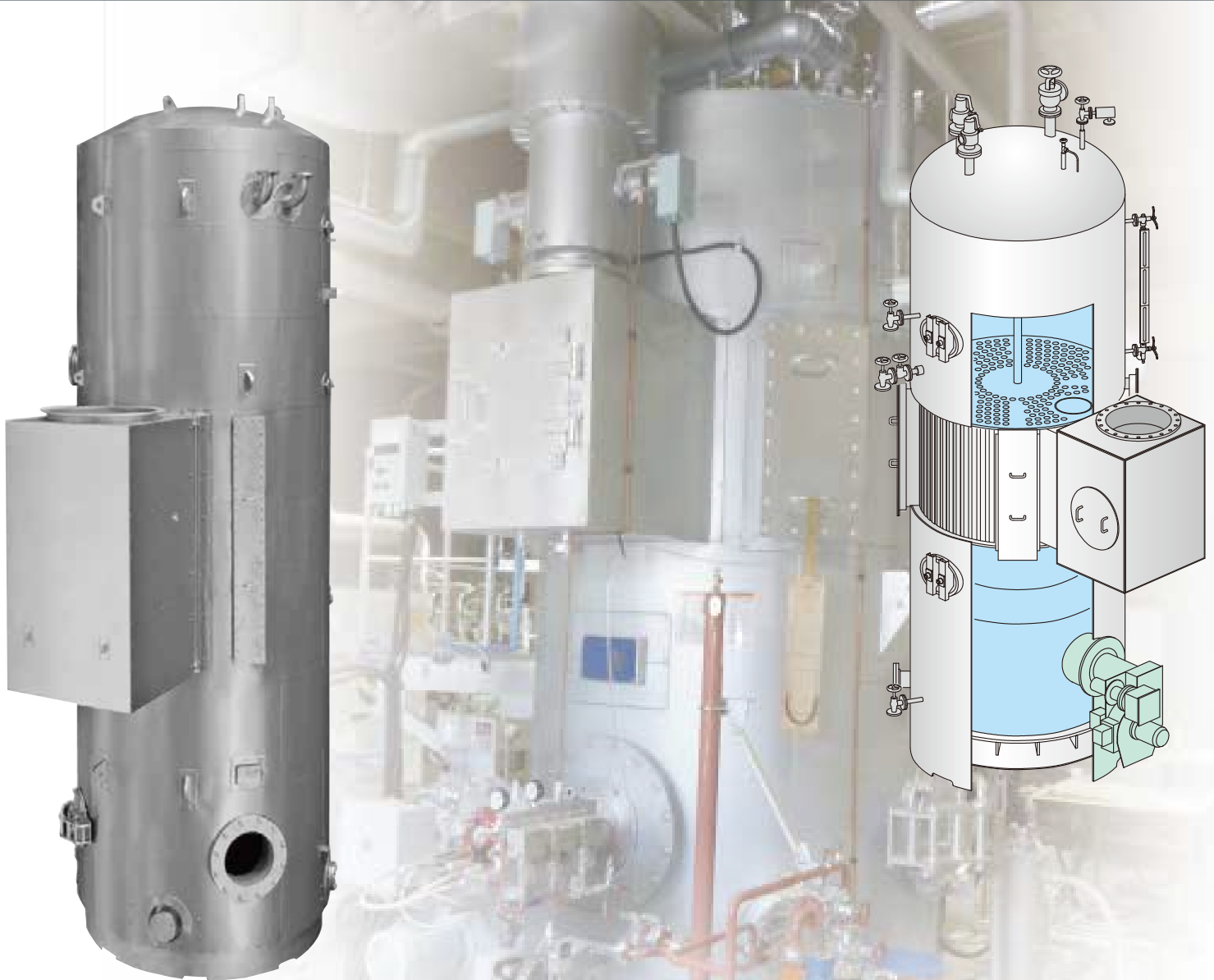


STANDARD SPECIFICATION

Evaporation	Diameter	Height	Boiler Weight	Water Contents
1,000 kg/h	1,420 mm	3,500 mm	4.32 ton	1.88 m ³
1,200 kg/h	1,420 mm	3,600 mm	4.49 ton	1.91 m ³
1,500 kg/h	1,520 mm	3,700 mm	4.97 ton	2.20 m ³
2,000 kg/h	1,620 mm	4,100 mm	5.86 ton	2.67 m ³
2,500 kg/h	1,824 mm	4,000 mm	6.79 ton	3.32 m ³
3,000 kg/h	1,824 mm	4,300 mm	7.57 ton	3.49 m ³
3,500 kg/h	2,024 mm	4,400 mm	9.37 ton	4.18 m ³
4,000 kg/h	2,024 mm	4,900 mm	10.21 ton	4.39 m ³
5,000 kg/h	2,224 mm	5,600 mm	12.31 ton	6.25 m ³
6,000 kg/h	2,224 mm	6,300 mm	14.15 ton	6.44 m ³
8,000 kg/h	2,428 mm	6,800 mm	17.20 ton	8.53 m ³
10,000 kg/h	2,428 mm	7,800 mm	19.40 ton	9.05 m ³
12,000 kg/h	2,632 mm	7,900 mm	22.27 ton	9.86 m ³
15,000 kg/h	2,838 mm	8,200 mm	26.61 ton	12.86 m ³
18,000 kg/h	3,038 mm	8,400 mm	29.20 ton	15.40 m ³

Note:
 1. Boiler weight includes the boiler proper, insulation, fittings and burner equipment.
 2. Water contents show capacity to N.W.L.

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DESIGN FEATURE

- 1. ラウンドフロー採用によりボイラ効率が高く経済的。**
By adopting round gas flow, high boiler efficiency can be achieved.
- 2. シンプルな構造で、良好な水循環を実現。**
Simple structure makes boiler water circulation well.
- 3. 広い蒸気スペースを有し、乾き度の高い蒸気を供給。**
By having wide steam space, high dryness steam can be generated.
- 4. 保有水量が多く、十分な蓄熱量により急激な負荷変動に追従。**
By having much water quantity (adequate thermal storage), it is possible to make up the steam soon in case of rapidly steam demand.
- 5. 万が一伝熱管を交換する際は、伝熱管 1 本からでも交換可能（犠牲管は不要）。**
*メンブレン箇所は除く。
In case of trouble, one piece of heating tubes is possible to exchange without cutting sacrificed heating tubes.