

Opção W2/W3 Sistema de recuperação de calor interno

Um trocador de calor de placas está instalado para a recuperação de calor interno.

O trocador de calor de placas transfere o calor absorvido pelo óleo lubrificante para um meio de transferência de calor.

Ambos os reguladores de temperatura do óleo estão equipados com elementos termostáticos que asseguram o funcionamento correto do sistema de resfriamento e do sistema de recuperação de calor.

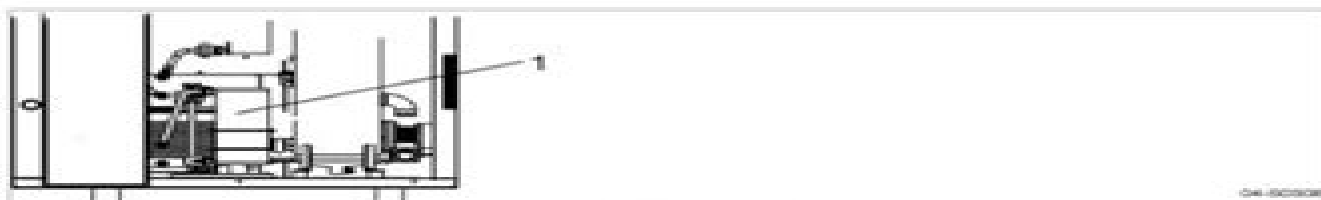


Fig. 10 Sistema de recuperação de calor interno (opção W2/W3)

1 trocador de calor de placas

4.5 Operação e Modos de Controle**4.5.1 Modos de operação da máquina**

A máquina opera nos seguintes modos:

- **CARGA:**
A válvula de admissão é aberta. A unidade compressora libera o ar comprimido ao sistema. O motor funciona a plena carga.
- **ALÍVIO:**
A válvula de admissão é fechada. A válvula de pressão mínima isola o separador de óleo do sistema de ar comprimido. O tanque separador de óleo é esvaziado. Um pequeno volume de ar circula pelo compressor. O motor funciona sem carga e consome muito pouca energia.
- **PARADO:**
A válvula de admissão é fechada. A válvula de pressão mínima isola o separador de óleo do sistema de ar comprimido. O tanque separador de óleo é esvaziado. O motor para de funcionar.
- **MODULAÇÃO:**
Com a ajuda de uma válvula de controle (controlador proporcional), o grau de abertura da válvula de admissão varia continuamente de acordo com a demanda de ar. O compressor libera o ar comprimido ao sistema. A carga e o consumo de energia do motor aumentam e diminuem conforme a demanda de ar. A válvula de controle é ajustada de fábrica. Consulte um Técnico autorizado da KAESER antes de fazer qualquer alteração.

Opção C1

4.5.2 Modos de controle

Ao usar o modo de controle selecionado o controlador alterna o compressor entre as suas várias fases operacionais, para compensar o consumo de ar e manter a pressão do sistema entre mínima e máxima de acordo com o ajuste.

Kaeser Sk 15 T Maintenance Manual

Joacim Rocklöv



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