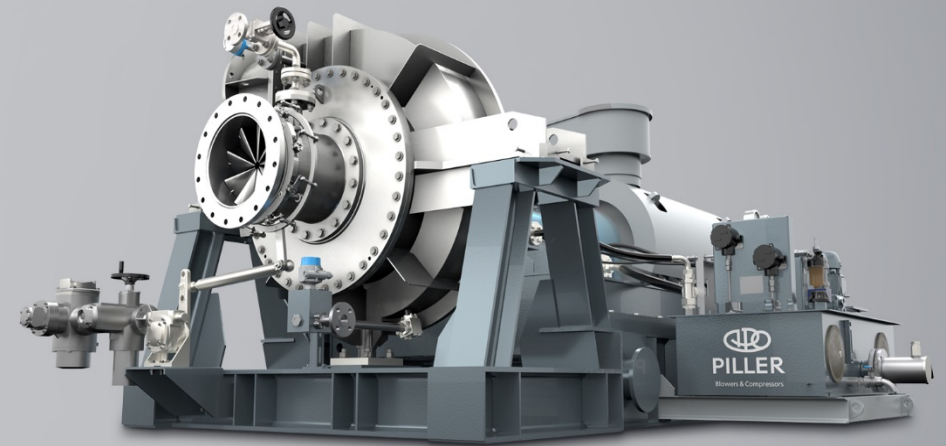
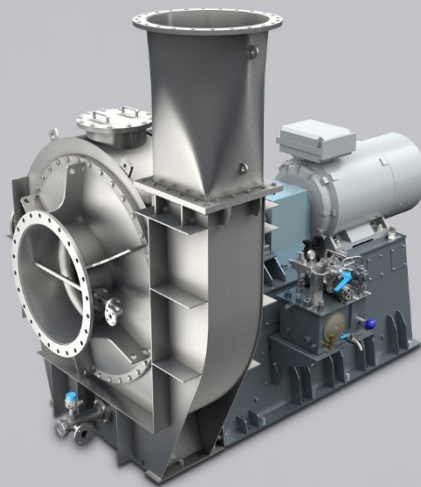


PILLER BLOWERS AND COMPRESSORS FOR VAPOR COMPRESSION

用于蒸汽压缩的PILLER鼓风机与压缩机



PILLER BLOWERS AND COMPRESSORS FOR VAPOR COMPRESSION

用于蒸汽压缩的PILLER鼓风机与压缩机

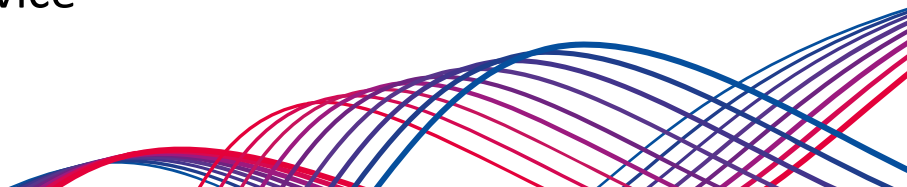


Jerry Mei | 梅旭升
Area Sales Manager
区域销售经理

PILLER BC Shanghai, Ltd.
琵乐风机贸易（上海）有限公司

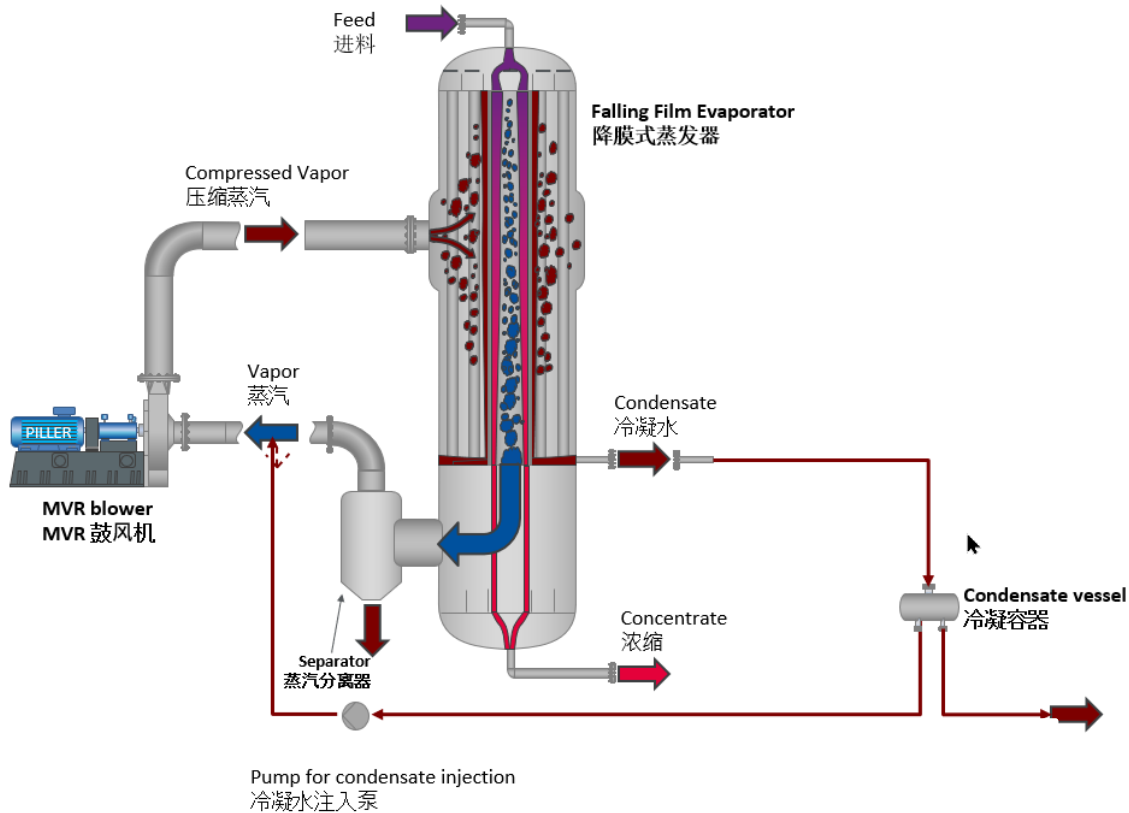
OUTLINE大纲

- Steam Compression with PILLER Blowers and Compressors
- 用于蒸汽压缩的PILLER风机和压缩机
- Overview of our VapoLine (MVR Portfolio)
- 我们的VapoLine（MVR产品组合）概述
- Vapor Compression Heat Pump Technology
- 蒸汽压缩热泵技术
- Worldwide Service
- 全球服务



MECHANICAL VAPOR RECOMPRESSION (MVR)

PILLER风机和压缩机的机械蒸汽再压缩（MVR）



Waste heat from

- Contaminated process vapor
- Evaporation
- Crystallization
- Distillation
- Rectification
- Stripping
- Reactors
- Waste water
- Waste gas

High-temperature steam for

- Process heating
- Feed in steam network

Compressed vapor for

- Process heating
- Steam generation

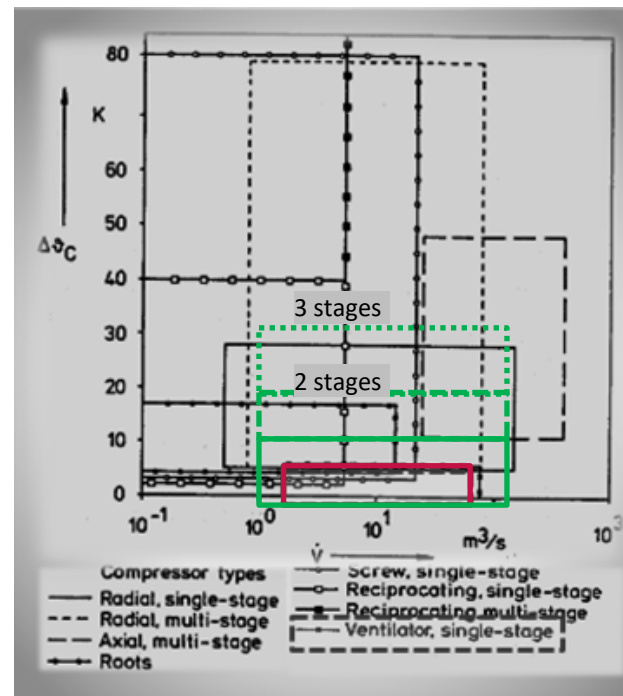
Process vapor from

- Evaporation
- Crystallization
- Distillation
- Rectification
- Stripping
- Reactors
- Flash vapor from condensate vessels

PILLER HISTORY: 1980'S MVR-VENTILATORS

EXPERIENCE AND CONTINUOUS INNOVATIONS SINCE THE 1980'S

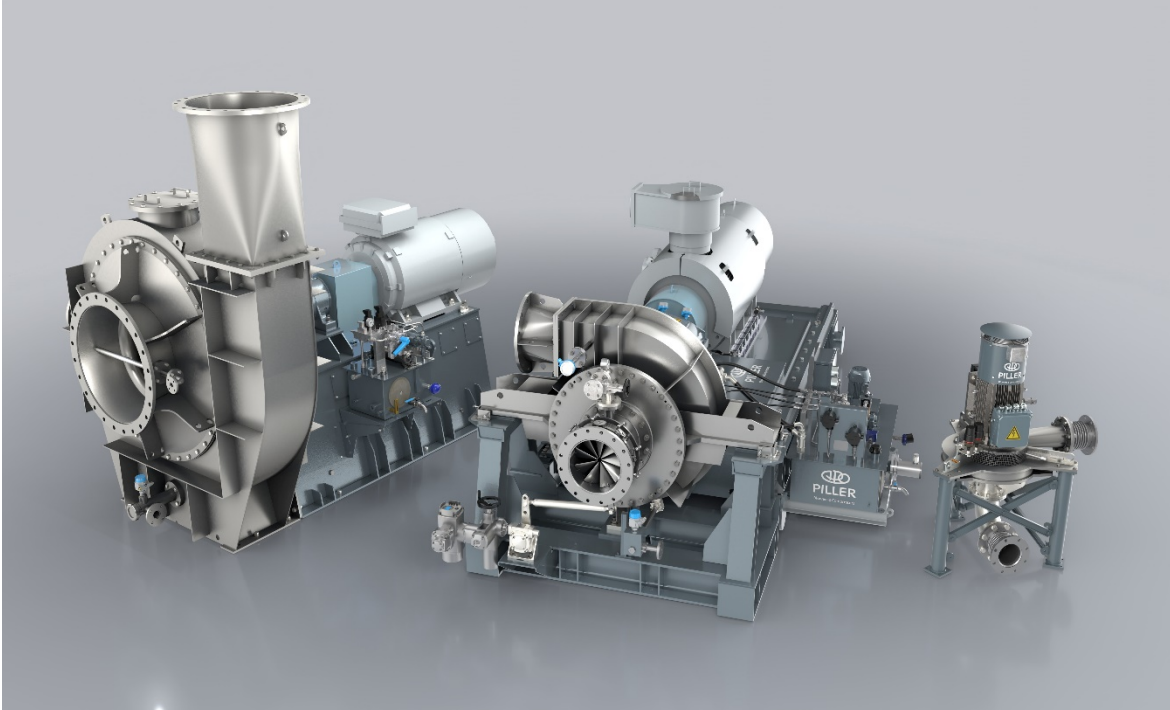
PILLER蒸汽压缩专家：20世纪80年代以来的经验和持续创新



Austmeyer et al: *Mechanical vapor recompression*. 1987

PILLER MVR PORTFOLIO

THE PILLER VAPOLINE



PILLER is specialized in Vapor Compression (MVR) Technology with more than 5,000 installations worldwide.
PILLER专注于蒸汽压缩（MVR）技术，在全球拥有5000多台安装使用。

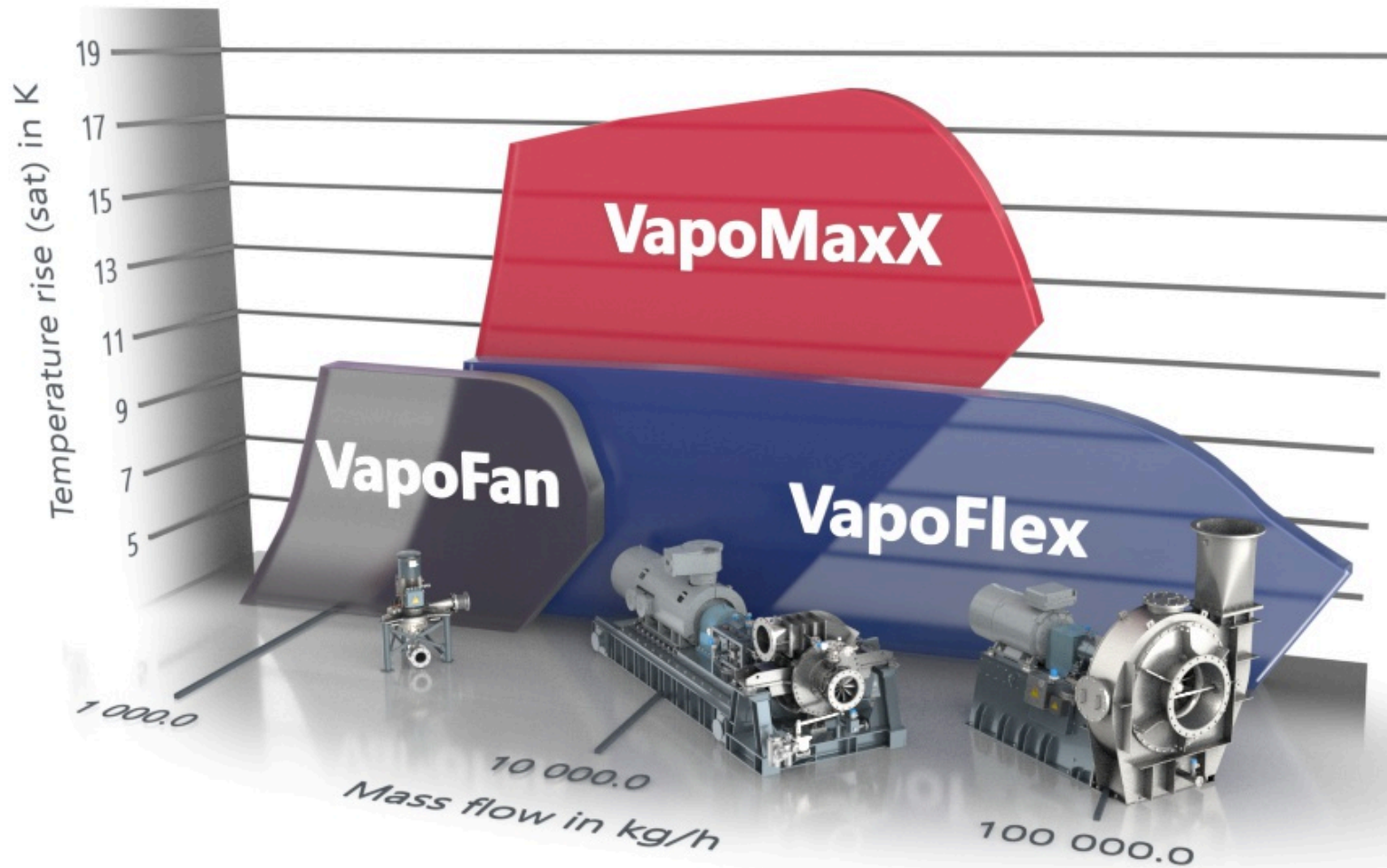
OUR MVR BLOWERS AT A GLANCE

MVR鼓风机一览

- Flexible and cost-effective integration into existing plants
灵活、经济高效地集成到工厂中
- Compact and robust construction
结构紧凑、坚固耐用
- Long service life with low maintenance costs
使用寿命长，维护成本低
- Efficiency up to 87 %
效率高达 87 %
- Several blowers can be connected in serie to achieve more performance
可将多台鼓风机串联起来，以实现更高的性能

PERFORMANCE RANGE VAPOLINE

VAPOLINE的性能范围



HEAT PUMP APPLICATION WITH PILLER MVR TECHNOLOGY

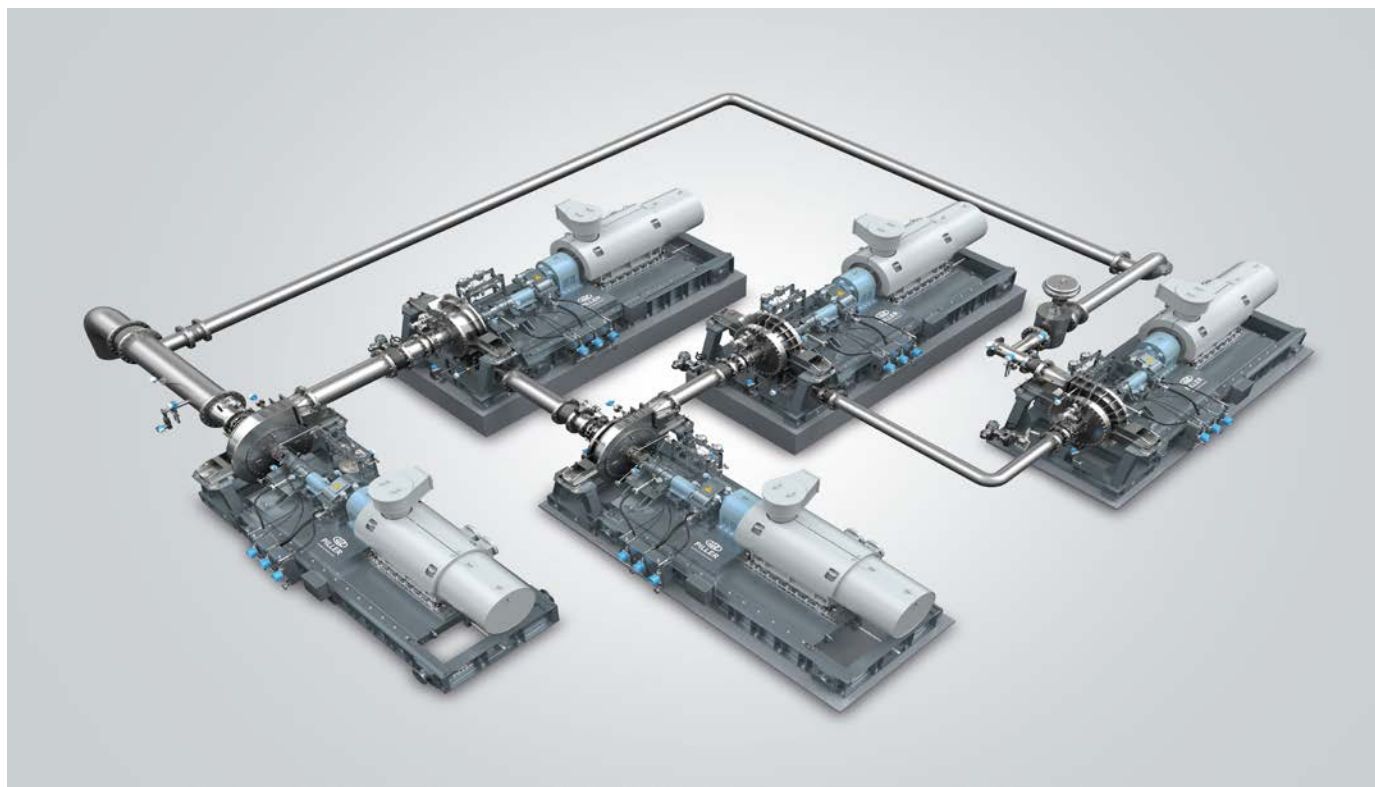
PILLER-MVR技术在热泵中的应用

BENEFITS:

over
75%
in energy
savings
节能75%以上

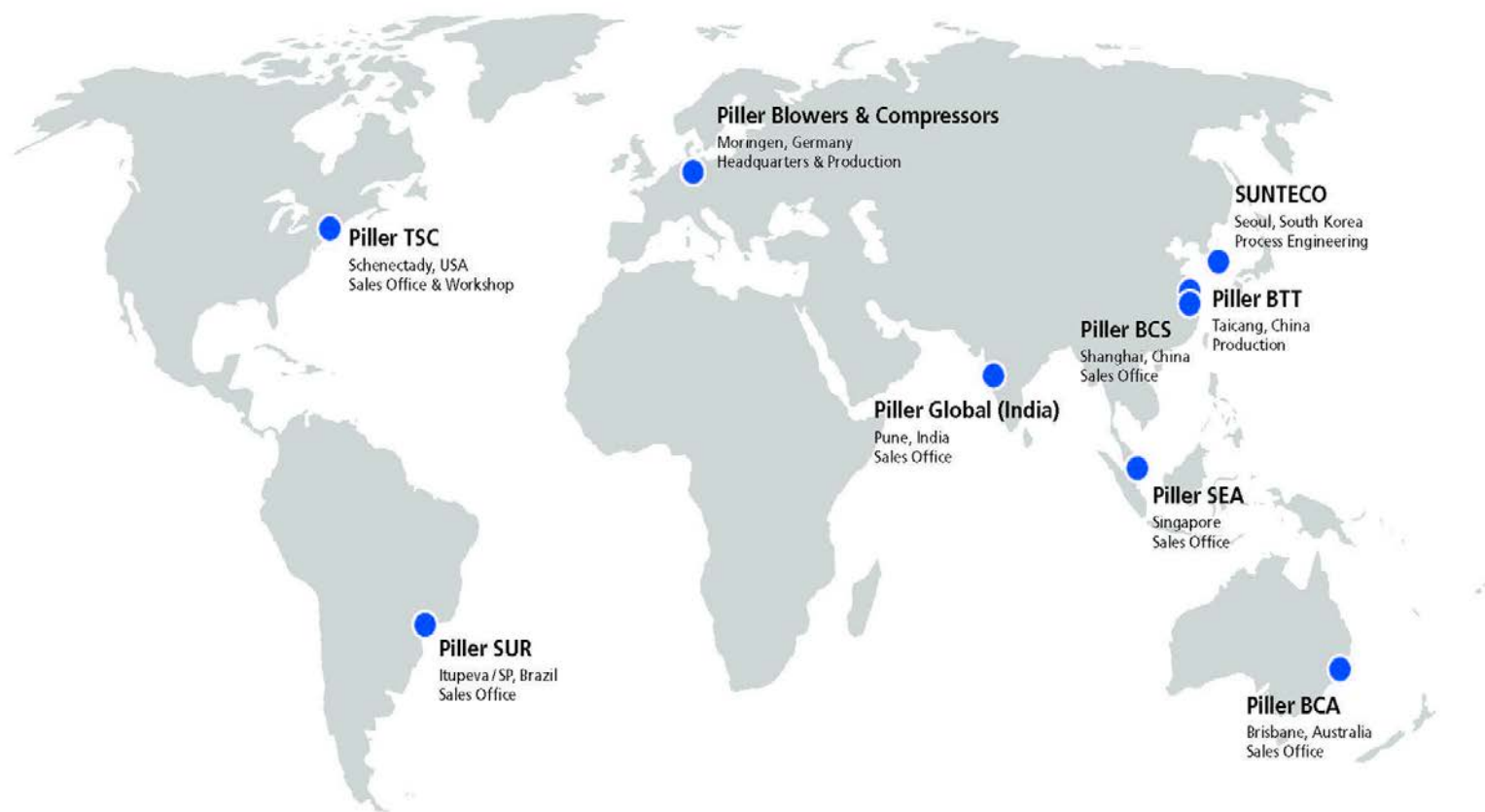
over
60%
CO₂
reduction
二氧化碳减少60%以上

up to
90%
in energy
cost savings
高达90%的
能源成本节约



WORLDWIDE SERVICE

全球服务



- Assembly and commissioning
组装和调试
- Inspection and maintenance
检查和维护
- Costs effective and technical
system optimization
成本效益和技术系统优化
- Spare parts
备件
- Repairs
维修

MAINTENANCE SCHEDULE

维修计划

WEEKLY
每周
VISUAL CHECKS
目视检查

ANNUALLY
每年
OIL MONITORING
用油监测

3 YEARS
3年
ADJUSTING PRESSURES AND
FLOW RATES
EXCHANGE OF WEARING PARTS
调整压力和流速
易损件的更换

6 YEARS
6年
BEARING EXCHANGE
轴承更换



THANK YOU FOR YOUR ATTENTION

感谢您的聆听和关注！

