



**SAARPOR / Neunkirchen,  
Germany  
Fercher\* Wastewater  
Heat Exchanger  
Type FB-60/WS**

**NOMINAL OUTPUT**

Wastewater: 120 m<sup>3</sup>/h

Freshwater: 5 m<sup>3</sup>/h bis 60 m<sup>3</sup>/h

Fercher Wastewater Heat Exchanger Type FB-60/WS uses the waste heat of the machine cooling water for preheating the boiler feed water for the production at SAARPOR Company Neunkirchen, Germany

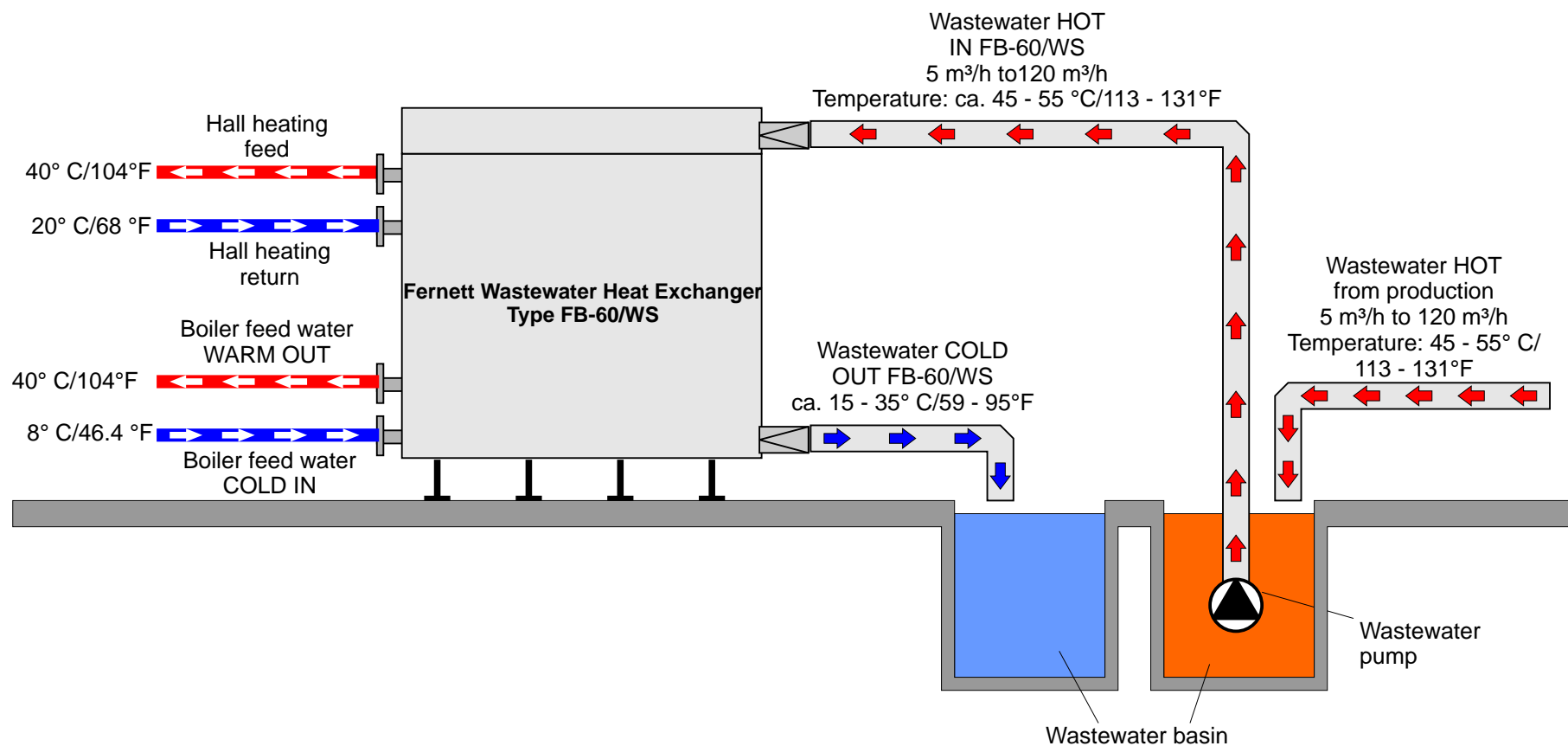
Bolted construction installed directly next to the wastewater basin with detachable side panels. Stainless steel 1.4301 construction. Frost proof design for outdoor installation.

\*Fercher is Fernet's European Partner Company

# SAARPOR / Neunkirchen, Germany

## Fercher Wastewater Heat Exchanger Type FB-60/WS

### Schematic



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**Picture 1**

Styrofoam particals found in the wastewater do not present an obstacle for the safe operation of the Fercher FB-60/WS.



**Picture 2**

Wastewater from the production process is pumped by a wastewater pump from the wastewater basin to the Fercher Heat Exchanger.

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**Picture 3**

The wastewater is pumped into the two wastewater basins above the heat exchanger. The wastewater basins are integrated into the WT casing.



**Picture 4**

The two wastewater basins distribute the wastewater evenly to a total of 30 POLO-KAL distribution pipes.



**Picture 5**

All distribution pipes lead the wastewater to one of the 30 heat exchanger absorber areas. The wastewater flows off on the open surface across the Fercher absorber plates and delivers the heat to the process water flowing on the inside of the absorber.

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**Picture 6**

After the heat exchange the cooled down wastewater is collected and led from the heat exchanger (green pipe) and distributed to the wastewater basin.



**Picture 7**

The cooled down wastewater is led back into the wastewater basin and from there distributed again cooled down to the machine cooling for the production.

### Data log SAARPOR - January 29, 2009 Fercher Wastewater Heat Exchanger Type FB-60/WS

