Sondex SSU is a steam unit, where only components of the highest quality are used. The unit is designed with focus on energy optimizing, easy operation, service and maintenance. By this a high quality level is obtained enabling very exact regulations and due to that, problems like e.g. water hammer are avoided.

Application Areas:
Plants for direct hotwater production or heating plants, where the hotwater vessel is unnecessary. Steam plants with focus on energy optimization by correct regulation and temperature control.

The Sondex SSU system is using steam for production of hot water or central heating plants. The system can be designed for and adapted to any needs from 100kW and upwards. The unit will be delivered assembled and tested, ready for installation.

Sondex SSU will be delivered as a complete system with possibility for additional choice of e.g. a pressure reduction system and a circulating pump system. Design and delivery of custom-made solutions suitable for any task are also possible.

Plate Heat Exchanger:
Sondex plate heat exchanger S9A is specially designed for this application. The plate heat exchanger takes up and transfers the energy running through the heat exchanger on the steam side and transfers it to the water side.

Temperature Regulation:
Sondex SSU is equipped with an electro-pneumatic control valve mounted with an electro-pneumatic positioner. Regulation is done through a 4-20 mA signal from a PT-100 censor, which is mounted directly on the waterside. Furthermore, the system is equipped with an adjustable temperature safety system.

Condensate Pump:
Sondex SSU is designed with a steam operated condensate pump. This will ensure that the condensate inside the plate heat exchanger will always be removed, so maximum surface of plate heat exchanger is available, even under limited load. Furthermore, we have equipped the system with a dispenser for accumulation of condensate in order to ensure a long lifetime of the plant.

Pipes and Fittings:
All tubes and fittings are designed and dimensioned for maximum performance of Sondex SSU. To ensure maintaining high quality standards, modern welding technologies are applied and assembly is undertaken by well-educated personnel. Before dispatch all units are firmly tested according to internal as well as external procedures.

Construction:
Sondex SSU is constructed and assembled on a compact stable frame which is easy to move and transport by a fork-lift or a pallet lift to the installation area. Furthermore, adjustable feeder are mounted on the frame so that it can be adapted a rough foundation.
Connection:

F2  - Steam connection  -  DN65, PN10
C3  - Condensate return  -  DN40, PN10
F4  - Cold water  -  DN65, PN10
F1  - Hot water  -  DN65, PN10

Measure and weight: 400 kg
H1550 x L1368 x W368

Data primary:
Max. temperature: 155° C
Max. pressure: 5 Bar

Capacity: 300-600-900-1200 kW

Data secondary:
Temperature: 120° C

Additional Choice:
For the Sondex SSU it is possible to make various additional choises, e.g.:

1. Pressure reduction system. This secures a quite stable plant.
2. Circulating pump system, so that the user has always hot water right at the tap.
3. Calorie meter for very exact measuring of the consumption.
4. Delivery of special connections or other customer specified equipment.