



YBS-20

SURFACE BLOWDOWN SYSTEM (FOR STEAM GENERATORS)

GENERAL FEATURES

Automatic TDS Blowdown Control System for Steam Generator

The steam produced by the steam generators contains 15% water vapor and the steam separator must be used for the desired dry steam. The water evacuated from the separator is poured into the feedback tank, the unwanted undissolved substances in the condensate will be slowly concentrated.

The system has a controller sensor that measures the feed water conductivity and temperature.

If the conductivity exceeds a predetermined level, the drain valve is opened and the condensate with a high conductivity is discharged and the water returning from the separator or from the system is became discharged.

The blowdown valve closes when the conductivity controller drops below the set value.

Advantages:

- It helps to provide clean and dry steam.
- Reduces blowdown and water treatment costs.
- Provides accurate conductivity control.
- The coil extends its life.
- Outputs 0.4-20mA for remote monitoring.
- The controller shows the blowdown status.

Blowdown Control System for Steam Generator:

Sensor Chamber: 1 1/4 " BSP Conductivity sensor, sampling connection

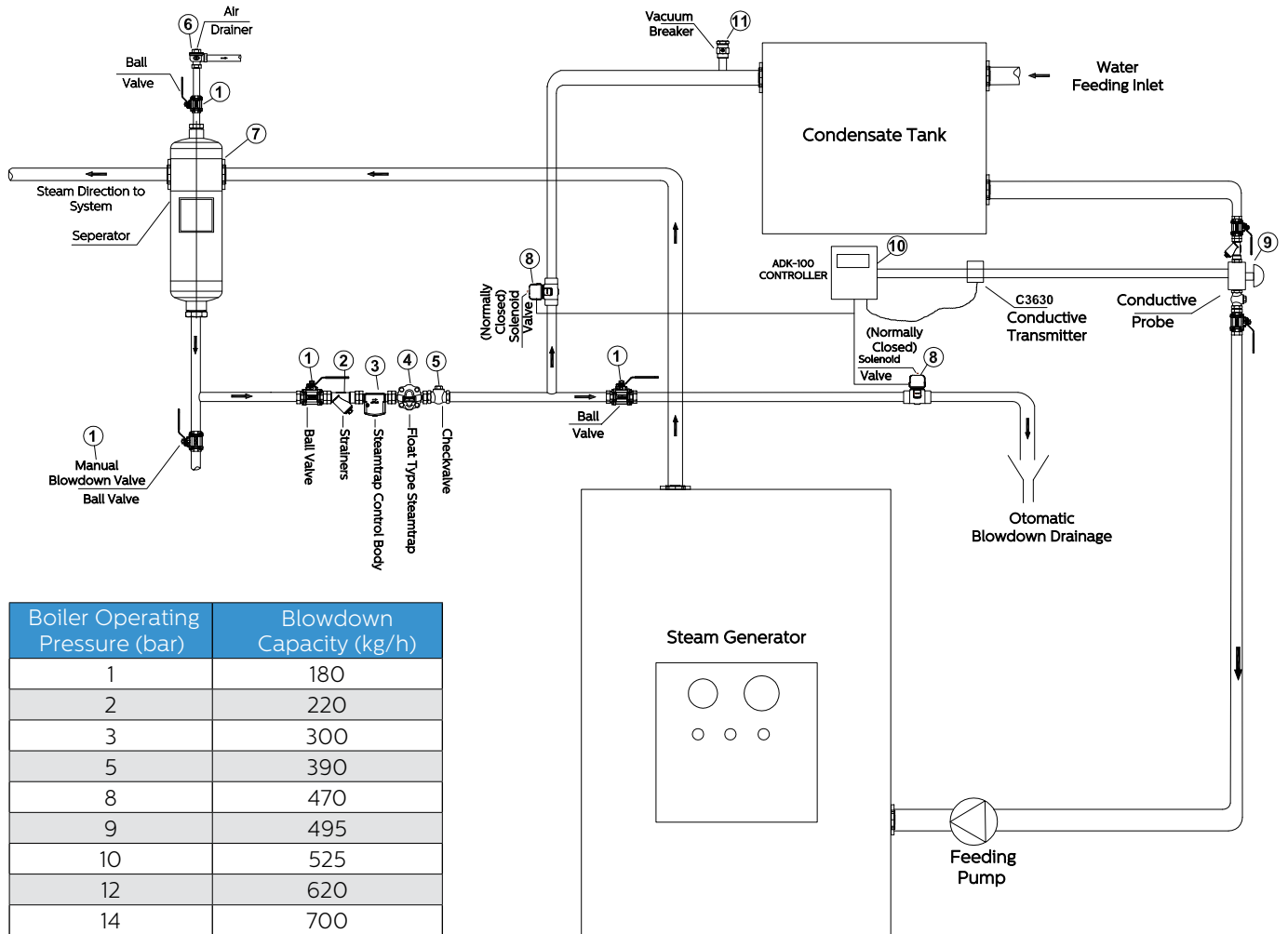
Blow valve: Solenoid valve (up to 15 bar)

Also recommended: Strainer and shut-off valve, sample cooling vessel (NK-16)

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APPLICATION SAMPLE

Automatic TDS control system for steam generators



Boiler Operating Pressure (bar)	Blowdown Capacity (kg/h)
1	180
2	220
3	300
5	390
8	470
9	495
10	525
12	620
14	700



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