

## We sell on quality Booster pump BT

Local regulations may restrict the use of this product to below the conditions quoted. In the interests of development and improvement of the product, we reserve the right to change the specification without notice.

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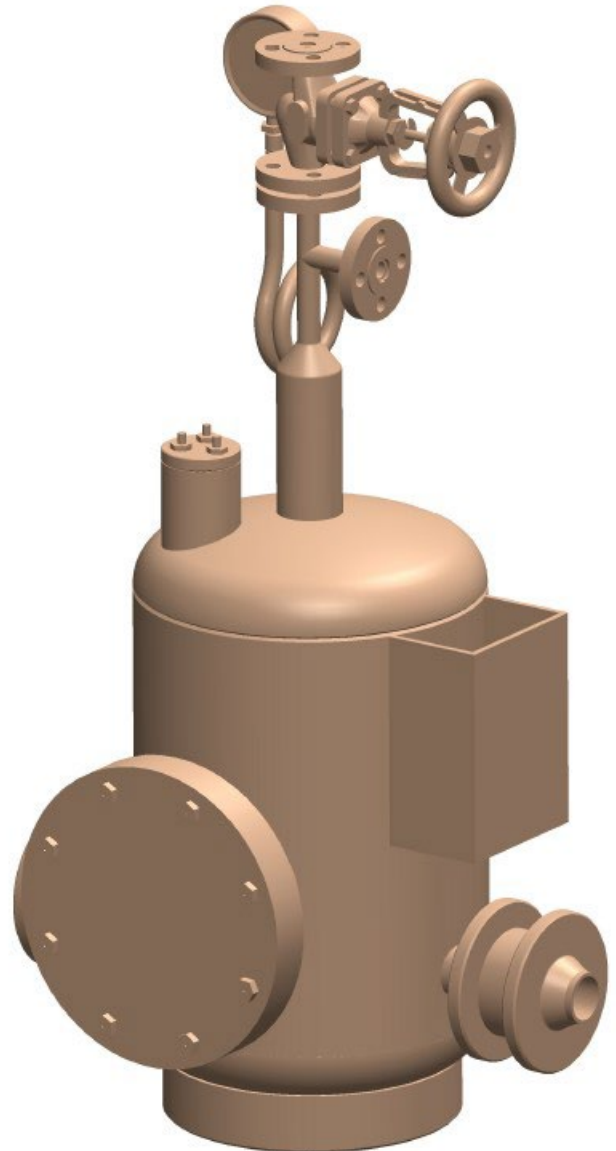
### Description

The condensate flows into the upright cylindrical tank replacing the air through a solenoid valve. The tank is equipped with a multiple level control electrode as soon as the water level reaches the upper electrode up the Solenoid valve in the vent line is closed via an

amplifier and simultaneously. The solenoid valve in the booster steam line (introduced from above into the tank) is opened. The flowing steam pushes the condensate via the condensate main into condensate tank. The condensate level sinks and when lower electrode tip emerges, the solenoid valve in the booster steam line is closed and the solenoid valve in the vent line opened. The cycle repeats itself.

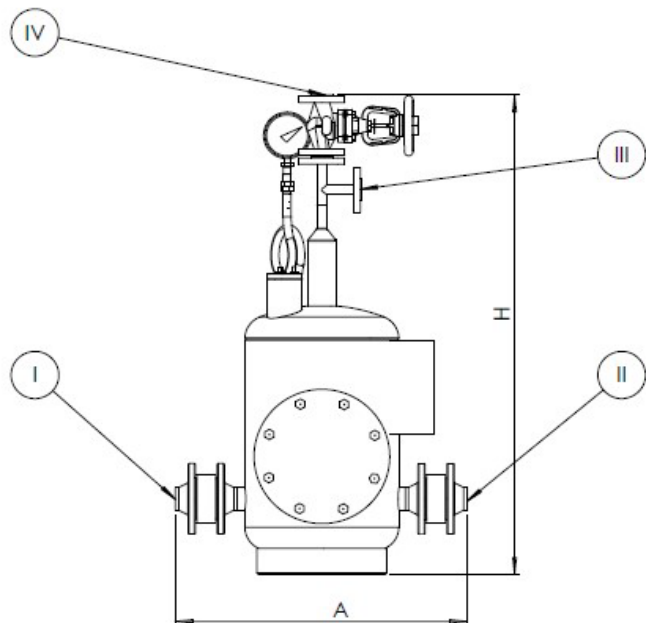
Before entering the condensate-return system the condensate is collected in a condensate header to be provided on site. This condensate header should

Be equipped with a vent. Condensate inlet and outlet are provided with DISCO non-return valves the condensate-return system is equipped with a pressure gauge and the booster steam line with a stop valve with characterized valve cone which permits the Adjustment of the booster-steam pressure in accordance with the length of The condensate discharge line and preventing back pressure. As the Condensate - return system operates without a float it is unaffected by water hammer. Continuous drainage of the booster-steam line upstream to the solenoid valve is ensured by a steam trap.



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### Connections

I inlet DN (mm)	40	40	50	80
II outlet DN (mm)	40	40	50	80
III steam inlet DN(mm)	15	20	20	25
IV Vent DN(mm)	15	20	20	25

### Material

#### St 37-2

Max service pressure bar g.	4	2	2	1
Max temperature C	151	150	150	120
Approx. weight kg	250	265	300	450

### Specification

Max. service pressure 13 bar g. (185 psi g)

Max. temperature 200c

Discharge                      Booster - steam pressure in  
Head                              bar x 0.7

Mains supply                      220 / 240 v. 50 Hz

### Materials

Steel DIN reference: St 37-2

Austenitic stainless Steel on request.

### Capacity Range

Standard design for hot condensate flow rates

FLUID LINE condensate recovery and return systems.

### Supply

Vessel with equipment completely mounted and interconnected

Include of counter flanges. Bolts and gaskets

### Design

Vessel is steel plate in welded construction. In side untreated,

Outside provided with an anti-rust paint. The equipment is

Supplied with all necessary connections on a round support.

Type		BT-2	BT-3	BT-5	BT-10
Capacity	t/h	2	3	5	10
Volume	l	50	75	100	390
Dimensions in (mm)	H	1100	1400	1190	2240
	A	520	520	600	900