



## Flash Condensing Heads - FCD Series

### Description

The Adca flash condensing heads are designed to promote energy efficiency on new or existing systems. Mixing the flash steam with the boiler water make up allows the energy within the flash steam to be fully absorbed into the water and therefore reduces energy waste that normally occurs from the discharge of flash steam through a vent. The main advantages over some traditional systems are that it is possible to make most of the piping connections in a single and compact mixing unit and that a greater quantity of heat recovery can be achieved.

### Materials

1	Mixing unit	St.Steel
2	Immersion tube	St.Steel
3	Spray nozzle	St.Steel
4	Gaskets	C 4430
5	Condensate return	St.Steel
6	Coldwater make-up	St.Steel
7	Flash steam(option)	St.Steel
8	Airvent conn.	St.Steel
8	Vaccum breaker conn.	St.Steel

Article No	Size	Price
<b>FCD150/1600*</b>	150	<b>£6,841.30</b>
<b>FCD200/1600*</b>	200	<b>£8,766.80</b>
<b>FCD250/1600*</b>	250	<b>£10,068.80</b>
<b>FCD300/1600*</b>	300	<b>£11,943.90</b>
<b>FCD400/1600*</b>	400	<b>£15,769.80</b>

\*Prices based on a 1600mm immersion tube. Other lengths available on request.

Standard lengths: 950, 1200, 1600, 2100mm

### Limiting Conditions

PS - Maximum Allowable Pressure	0.5 bar
TS - Maximum Allowable Temperature	120°C

Minimum operating temp.: 10°C. Design code: AD-Merkblatt Other conditions on request.

### Selection Table

Max. Steam Generation (kgs/h)	5000	10000	20000	30000	50000
Model	FCD150	FCD200	FCD250	FCD300	FCD400

The length of immersion tube to be defined according to the vessel design.



## Blowdown Expansion Vessel - BV Series

### Description

The Adca blowdown vessels are used in the modern boiler houses to cool hot waste water and steam boiler blowdown before to discharge into a pit or drain. The waste water is discharged into the unit which is at atmospheric pressure

If flash steam can not be recovered or discharged to atmosphere an additional condensing water spray system (optional) can be supplied. This one is fitted in the top of the unit and can be controlled directly by a thermostat.

Price
<b>ON REQUEST</b>

### Limiting Conditions

PS - Maximum Allowable Pressure	7 BAR
TS - Maximum Allowable Temperature	180°C

Minimum operating temp.: 20°C.

Design code: AD-Merkblatt Other conditions on request.

## Boiler Blowdown Manifold

The boiler blowdown manifolds come complete with swept inlet connections PN40/16.

Article No	Manifold Size	Connections	Price
<b>551414</b>	DN 50	2 X DN50	<b>£1,472.00</b>
<b>551344</b>	DN 50	2 X DN20	<b>£1,008.00</b>
<b>551345</b>	DN 50	2 X DN15	<b>£960.00</b>
<b>452200</b>	DN 50	3 X DN50	<b>£1,760.00</b>
<b>452201</b>	DN 50	3 X DN20	<b>£1,264.00</b>
<b>452202</b>	DN 50	3 X DN15	<b>£1,216.00</b>

Other sizes and configurations available on request.

