



**VIRA CONDENSATE AND BLOWDOWN
HEAT EXCHANGER**

VCH-3/ VCH-5 / VCH-8



Energy Recovery by Flash Steam or Boiler Blowdown

There is a large amount of heat energy in the condensate which is simply delivered to the pits or flash steam discharged to the atmosphere.

Likewise, blowdown lines which contains high temperature unusable water is a recyclable source of heat energy.

VCH-3, VCH-5 and VCH-8 are atmospheric indirect heat exchangers that recover waste water or flash steam as hot water which can be used for many different applications. Hot water generated by VCH series is suitable for production processes, post-production cleaning applications, heating and many other applications.



- High heat exchange efficiency
- Compact design
- No moving part
- Required no electrical power
- No heat exchanger required
- Steam trap free
- No safety valve

Waste Heat Recovery

Waste Heat Recovery		VCH-3	VCH-5	VCH-8
Flash Steam Amount	kg/h	300	500	800
Water Flow Rate to be Heated	m ³ /h @ 5 bar g	3	10	20
Max. Thermal Capacity	kcal/h	160.000	270.000	430.000
Material	Body	AISI 304 Stainless Steel	AISI 304 Stainless Steel	AISI 304 Stainless Steel
Water Inlet - Outlet Line	DN	25	40	50
Max. Water Inlet Pressure	Bar g	16	16	16
Flash Steam Inlet Line	DN	100	150	150
Exhaust Line	DN	150	200	200
Condensate Outlet Line	DN	50	65	65
Drain Line	Inch	1	1	1
Condensate Outlet Temp.	°C	90	90	90

Application Example

