

## Flow-through cooler

Capacity	kW	:	1200
Evaporating temperature ammonia	°C	:	1
Medium		:	Water
Water temperature in	°C	:	8,6
Water temperature out	°C	:	5,6
Flow rate	m <sup>3</sup> /h	:	350
Speed in the pipes	m/s	:	1,91
Pressure drop	bar	:	0,7
Surface	m <sup>2</sup>	:	235,6
Surface reserve	%	:	5
Volume pipe side	dm <sup>3</sup>	:	1437
Volume mantle side	dm <sup>3</sup>	:	1612
Mantle length (pipe length)	mm	:	5000
Total length	mm	:	5640
Mantle diameter	mm	:	914
Separator length	mm	:	3800
Weight	kg	:	6320
Connection mantle side in/out		:	DN 100/DN 200
Connection pipe side in/out		:	DN 250/ DN 250
Materials		:	ST 37.0 DIN 2448
Pipes		:	KB H II (1.0425)
Pipe plates		:	KB H II (1.0425)
Mantle		:	KB H II (1.0425)
Covers		:	KB H II (1.0425)
	Mantle side		Pipe side
Design-pressure	6,0 Bar		16 Bar
Test-pressure	7,8 Bar		20,8 Bar
Design-temperature	-10/50 °C		-10/50 °C

The cooler is provided with a Saekaphen burn-in coating on the water side

