

VAKADING spol. s r.o. Veselá 208, 763 15 Slušovice

Information needed for flue-gas heat exchanger request (HRE- Heat Recovery Exchanger)

<u>Or</u>	<u>n side of hot medium – air</u>			
1)	Air mass flow	kg/s or Nm ³ /s		
2)	Air temperature at heat exchanger inlet	°C (min. to max. range)		
3)	Required or expected air temperature	、		
	at heat exchanger outlet	°C		
4)	Air pressure	bar.g		
5)	Chemical composition of air defined by:	% vol.		
	concentration of individual elements / compounds			
	or			
	humid air with H ₂ O vapors			
	or			
~ .	flue-gases of NG / LFO with excess air (λ)			
6)	Amount of substances that can condensate	kg (H_2O)/kg dry air		
-	(for ex. specific humidity)			
7)	Amount of Suspended particulate matter (SPM)	mg/Nm ³		
8)	Required or expected max. pressure drop			
9)	Fouling factor	m ⁻ K/w		
0*	aida of apld modium (and or liquid)			
	On side of cold medium (gas of fiquid)			
1)	Medium type (gas / liquid), mixture of substances.			
	For the non-usual liquid mixtures, define thermophysic	cal		
	properties depending on temperature (density,			
2)	Cold modium mass flow	15~/2		
2)	Cold medium mass flow	Kg/S °C (min to max range)		
3) 4)	Prossure of cold modium	ber a		
4) 5)	Chemical composition of cold medium by:	bar.g		
5)	concentration of individual elements / compounds	76 VOI.		
	or			
	humid air with Suspended particulate matter (SPM)			
	(in case of gas medium)			
6)	Amount of Suspended particulate matter (SPM)	mg/Nm ³		
	(in case of gas medium)	8		
7)	Required max. pressure drop	Pa (kPa)		
8)	Fouling factor	m^2K/W		
De	evice nower			
Target afficient nower (kW) of heat evolutions can be stated if needed				
14	ager enterent power (k w) or neat exchanger can be state	u, 11 1100000.		
ה:	specifier requirements			
<u>וע</u>	sposition requirements			
1)	Connecting dimensions for each medium.			

Size of dedicated free area on construction site.

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