

Flue Gas Condensing System

A111500, Interfaces

Involved parties						Design			Nominel operation			
Drawing no. / reference	Coordinate (X*Y*Z)	To be completed by	System	Interface description	Media	Pressure	Temperature	Max. flow	Pressure	Temperature	Material	Size
			TIE IN NO			Bar(g)	°C		Bar(g)	°C		
510.5-1-0020588		Contractor	A	Connection to flue gas duct downstream Electro Static Precipitator	Flue gas		200			125		
510.5-1-0020588		Contractor	B	Top of stack	Flue gas		200 (maximum) and 33 (lower minimum demand) for entire flue gas system after heat pump to top of stack.					
510.5-1-0020919 and KKV15LBG/Q002 rev. 2		Contractor	C	Steam to heat pump from 3 bar(g) steamsupply. Alternative: Main steam header	Steam	16	300		3.0	145		DN300
510.5-1-0020919 and KKV15LBG/Q002 rev. 2		Contractor	D	Steam condensate from heat pump to nearby condensate pipe. Alternative: Pipesystem for gratecooling before deaerator.	Dionate	14	250		8	250		DN125
259-51-KSO0-001 (g)		Contractor	E	Connection to district heating pipe (before fluegas condensing system)	District heating water	25	125					DN350
259-51-KSO0-001 (g)		Contractor	F	Connection to district heating pipe (after fluegas condensing system)	District heating water	25	125					DN350
		Client	G	Water (for cleaning, filling of tanks, etc.)	"City"-water	16			4			
		Client	H	Fire water	"City"-water	16		700-800 l/min				Ø125
Screendump from control system "KKS Vand"		Contractor	I	Fluegas condensate, upgraded in quality to "deionat".	Deionate	16						
		Contractor	J	Treated flue gas condensate to recipient	Flue gas condensate							
		Contractor	K	Connection to existing wastewater cleaning	Waste water							
		Contractor	L	Pressurized air	Air	10			6.5			
		Contractor	M	400 V power supply								
		Contractor	N	690 V power supply								
		Contractor	O	Connection to existing control system								
		Contractor	P	Emergency power								
		Contractor	Q	24 V DC supply								
		Contractor	R	Firealarm system								
Picture of "delstrømsrensningsanlæg"		Contractor	S	District heat water (make up water) for upgrade til dionate dyring start up	District heating water	10						