

HEAT EXCHANGER DATA SHEET

MODIFIED STARCH DRYING PROJECT – AGRANA – ROMANIA

REVISION:	DATE:	SPECIFIED BY:	CHECKED BY:	APPROVED BY:	H.EX. TAG NO.:	W6501	JOB NO.:	5204
0	05.05.2026	A.H.	P.S.	A.Z.	H.EX. SERVICE:	DEFROSTING HEAT EXCHANGER	DOCUMENT NO.:	5204-ME-DS-W6501-00
					H.EX. QT'Y:	1	P&ID NO.:	5204-PR-DW-0001-03
							SHEET	1 OF 1

VENDOR

GENERAL DATA

SIZE (W × L)	m	CONNECTED IN	PARALLEL	SERIES
SURFACE AREA / UNIT	m ²	% EXCESS AREA TO ALLOW FOR FOULING		

PROCESS DATA

FLUID ALLOCATION		HOT-SIDE IN		HOT-SIDE OUT		COLD-SIDE IN		COLD-SIDE OUT				
FLUID NAME		STEAM				AIR						
TOTAL FLUID FLOW												
VAPOUR (IN / OUT)	kg/hr											
LIQUID (IN / OUT)	kg/hr											
STEAM / WATER	kg/hr											
NON-CONDENSABLE	kg/hr											
TEMPERATURE (IN / OUT)	°C											
		LIQUID	/	VAPOUR	LIQUID	/	VAPOUR	LIQUID	/	VAPOUR		
DENSITY	kg/m³	/		/		/		N/A		/		
VISCOSITY	cP	/		/		/		N/A		/		
SPECIFIC HEAT	kJ/kg.K	/		/		/		N/A		/		
THERMAL CONDUCTIVITY	W/m.K	/		/		/		N/A		/		
MOLECULAR WEIGHT		N/A		N/A		N/A		N/A		N/A		
LATENT HEAT	kJ/kg	@		°C		@		°C		@	°C	
INLET PRESSURE	barg											
PLATE VELOCITY	m/sec											
PORT VELOCITY	m/sec											
PRESSURE DROP (ALLOW./CALC.)	kPa	/		/		/		/				
MEAN METAL TEMPERATURE	°C											
FOULING RESISTANCE	m².K/W											
HEAT EXCHANGED (DUTY)	kW	0				LMTD		#DIV/0!				°C
TRANSFER RATE	W/m².K	SERVICE				CLEAN						

DESIGN DATA

		HOT-SIDE		COLD-SIDE		SKETCH (PLATE / NOZZLE POSITION)
DESIGN / TEST PRESSURE	barg					
DESIGN TEMPERATURE	°C					
NO. OF PASSES PER STREAM						
CORROSION ALLOWANCE	mm					
CONNECTION NO. / SIZE / RATING	INLET	/ 80 /	/ N/A /	/ N/A /	/	
	OUTLET	/ 65 /	/ N/A /	/ N/A /	/	
	INTERMEDIATE	/ /	/ /	/ /	/	
NO. OF PLATES						MATERIAL SPECIFICATIONS
PLATE (W / H)	mm					
PORT DIAMETER	mm					
HORIZ. PORT CENTRE DISTANCE	mm					
COMPRESSED PLATE PITCH	mm					
CHEVRON ANGLE	°					

CODE REQUIREMENTS	STAMP
WEIGHT / UNIT	kg
SHIPPING	FILLED WITH WATER

NOTES:

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