

# PHE AV3-19 H

PED Classification (2014/68/EU): SEP [FGP2NV] [FGS2NV]

THERMAL DATA				DESIGN DATA				
Primary: WATER		Secondary: WATER		Max. temperature	[°C]	-10/100		
Inlet Temperature	[°C]	75	Inlet Temperature	[°C]	25	Design pressure	[bar]	10
Outlet Temperature	[°C]	50	Outlet Temperature	[°C]	55	Test pressure	[bar]	14,3
Flowrate	[kg/h]	3449,42	Flowrate	[kg/h]	2873,39	DTML	[°C]	22,41
Pressure drop	[kPa]	11,53	Pressure drop	[kPa]	8,9	Capacity	[kW]	100
Primary volume	[l]	0,86	Secondary volume	[l]	0,86	Exchanging surface	[m <sup>2</sup> ]	0,714
No. series pass hot side	[ ]	1	No. series pass cold side	[ ]	1	K service	[W/m <sup>2</sup> °C]	6157,2
No. parall. pass hot side	[ ]	9	No. parall. pass cold side	[ ]	9	K Clean	[W/m <sup>2</sup> °C]	6157,2
						Oversurfacing	[ % ]	0

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CONSTRUCTIVE DATA			DIMENSIONS					
Plates thickness	[mm]	0,5	C (width)	[mm]	198	D (horizontal interaxis)	[mm]	70
Empty weight	[kg]	23,23	A (height)	[mm]	469	B (vertical interaxis)	[mm]	381
Full weight	[kg]	25,34	F (depth)	[mm]	140	H (tightening)	[mm]	53,2
			G (connection dimensions)	[ ]	1 ¼"			
			E (connection height)	[mm]	39			

MATERIALS	
Frame	P355NH
Plates	AISI316
Gaskets	EPDM
Primary connections	AISI304
Secondary connections	AISI304
Tightening bolts	A193B7

27/04/2020

