

DATA	13.05.2025
CUSTOMER	
REFERENCE	

Evaporator Model		SCE 143 2P
Number of refrigerant circuits		1
Requested capacity	kW	115
Margin of surface	%	2,1
PED category		---

INPUT DATA		TUBES SIDE	SHELL SIDE
Refrigerant		R22	
Evaporating Temperature	°C	2	
Evaporating Pressure	bar A	5,312	
Superheating	K	5	
Condensing Temperature	°C	45	
Condensing Pressure	bar A	17,292	
Subcooling	K	3	
Pressure drop	kPa	11	
Fluid			WATER
Inlet Temperature	°C		12
Outlet Temperature	°C		6,53
Flow rate	m³/h		18,0
Pressure drop	kPa		25
Fouling factor	(m² K)/W		0,000043
Velocity (Inside)	m/s	7,68	1,09
Exchange coefficient	W/(m² K)	3841	7365
DTML	°C	6,91	

WARNING

No warnings

DIMENSIONS

Surface	m²	---	8,49
Weight	kg	116	
Total volume	dm³	16	34
Overall length	mm	2115	
Shell diameter	mm	194	
In/out connections	Gas/mm	35 / 54	3"

OFFER

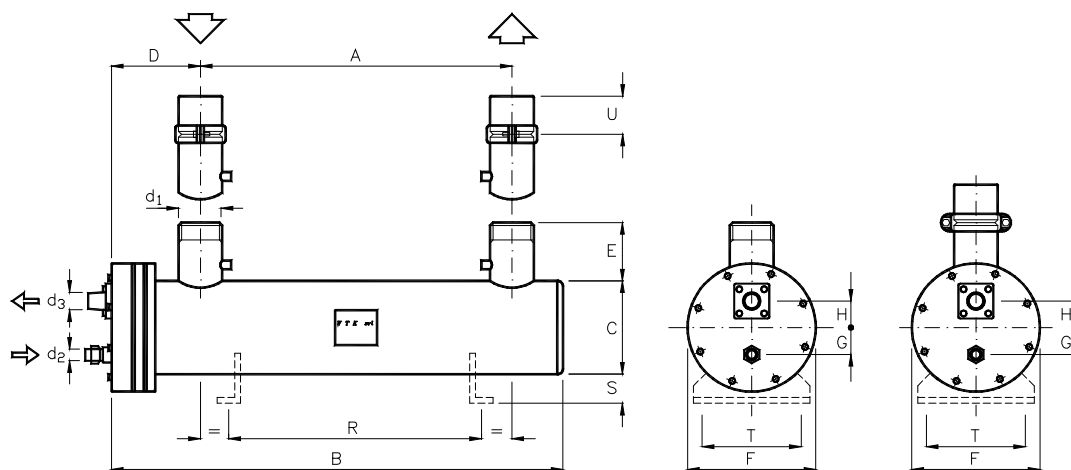
Unit net price	Euro	
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NOTES

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DRAWING



DIMENSIONS (mm)

DATA

A	1830	L	0	Surface	m2	8,49
B	2115	M	0	Weight	kg	116
C	194	N	0	Tubes volume (Refrig.)	dm3	16
D	178	O	0	Shell volume (Fluid)	dm3	34
E	130	R	1500	Refrig. connections In/Out	mm	35 / 54
F	270	S	60	Shell connections	Gas/mm	3"
G	50	T	160			
H	45	U	N/A			
K	30	X	0			

This software is only to be used as an assistance and does not replace the necessary specialist knowledge and experience when designing heat exchangers. We continuously work in order to improve and correct the software. Nevertheless we cannot guarantee its absolute infallibility. Therefore the use of the program is at the user's risk.