

TYPE APPROVAL CERTIFICATE

CERTIFICATE No. : 21-IS-1938-TAT-22-TA-0515



Name of Manufacturer : GÜVEN SOĞUTMA ÜNİTELERİ SAN. A.Ş.

Address : Hastane Mahallesi Hadımköy İstanbul Caddesi No: 78/1
Arnavutköy/Hadımköy/ İSTANBUL/TÜRKİYE Head office:Eskişehir Mah. Dolapdere Cad. Lalezar
sk. No:7 34375 Şişli / İSTANBUL/TÜRKİYE

Object : Welded flat end for pressure vessels has 114 mm Od and 4 mm flat end & 3 mm shell
Thickness

Type : SLA.30B.12.1,7-SLA.30B.16.1,7-SLA.30B.19.1,7
OS.30B.09.1-OS.30B.12.1-OS.30B.16.1-OS.30B.19.1-OS.30B.22.1-OS.30B.28.1

Drawing No : See Detail in Annex 01 of the certificate

Test basis according : EN 14276-1 pressure vessels for refrigeration system & heat pumps
Annex E Experimental Methods and part E.3 for Burst test

Test report No : PTR-16

Working Pressure : 30 Bar

Test Pressure : 43 Bar

Cylinder Material : For Shell EN 10217-3 P355 NH & for flat end EN 10028-2 P355 GH

Max/Min Working temp : -20 /+130 C for 30 Bar (PS1) & -40/-20 C for 22 Bar (PS2)

Volume : SLA 1,7lt OS 2,1lt - 2,8lt (See Detail in Annex 01 of the certificate)

Dimension : SLA Ø114 OS Ø114 (See Detail in Annex 01 of the certificate)

We here with certify that the results of the examination of the welded flat end for pressure vessels mentioned above meet the requirement of the EN 14276-1 pressure vessels for refrigeration system & heat pumps Annex E Experimental Methods and part E.3 for Burst test.

This approval remains valid as long as no significant changes are made to the production line and its quality system and batch test certificates.

Date of issue: 04.02.2022

Signature:
Hakim Özlük
TUV AUSTRIA TURK



TYPE APPROVAL CERTIFICATE

CERTIFICATE No. : 21-IS-1938-TAT-22-TA-0515



Annex 01

Pressure (bar)	Diameter (mm)	Type	Volume (lt)	Drawing Number
30	Ø114	SLA.30B.12.1,7	1,7	2022SLA30B114
		SLA.30B.16.1,7		
		SLA.30B.19.1,7		
		OS.30B.09.1	2,1	2022OS30B114
		OS.30B.12.1		
		OS.30B.16.1		
		OS.30B.19.1	2,8	
		OS.30B.22.1		
		OS.30B.28.1		
	Ø140	SLA.30B.22.3,5	3,5	2022SLA30B140
		SLA.30B.28.5	5,0	
		SLA.30B.35.6	6,0	
		OS.30B.35.1	5,3	2022OS30B140
		OS.30B.42.1		
	Ø168	SLA.30B.35.8,1	8,1	2022SLA30B168
		SLA.30B.42.8,1		
		SLA.30B.54.9	9	2022OS30B168
		OS.30B.42.2	7,8	
		OS.30B.54.1		

Shell : 3mm P355NH EN 10217-3 Flat: 4mm P355GH
EN 10028-2

