



Herewith it is confirmed to the company

Hoval Aktiengesellschaft

in

FL-9490 Vaduz

based on the positive results of the test on the

Calculation software "CASER" for rotary and plate heat exchangers for the model ranges ST1../ST3../SE3../HM1../SH1../ GV../GG../SV../SG../KV../KG..

Stand-Alone-Version: „3.x.1.x“

DLL-Version: „3.x.1.x“

that the requirements of the certification program

RLT-RICHTLINIE Zertifizierung: 2017-11

of „Herstellerverband Raumlufttechnische Geräte e. V.“ were fulfilled.

The company is allowed to use the following Certification Mark:



This certificate is valid up to and including 2030-09-30

Certificate registration number: 16/14/15 (Revision 12)



Jensie de J.

Certification Body for products
Refrigeration and Air-Conditioning
Munich, 2026-03-09



PIN: m13d

This certificate is only valid in conjunction with the following annex (one page).



Test and certification program

„RLT-RICHTLINIE Zertifizierung“: 2017-11

Calculation software for rotary and plate heat exchangers

Company: Hoval Aktiengesellschaft

Name: CASER

Stand-Alone-Version: 3.x.1.x

DLL-Version: 3.x.1.x (isc.Eng.Hov.dll)

The above-mentioned software can be used to calculate the following models/designs/layouts of heat exchangers.

Plate heat exchangers:

Type	Model	Design	Plate distance	Layout of the heat exchangers				
				Single	Parallel	Together	In a row	Blocks
G	055 to 255	V ^{*1} /G ^{*2}	2.2 – 4.1 mm	+	-	-	-	-
S	050 to 240	V ^{*1} /G ^{*2}	2.0 – 6.3 mm	+	-	+	+	-
K	085 to 200	V ^{*1} /G ^{*2}	2.5 – 5.7 mm	+	-	+	+	-

*1: Standard / *2: Corrosion-protected

Rotary heat exchangers:

Type	Design	Wave height	Wheel depth	Foil thickness
ST1	Condensation	1.5 – 2.7 mm	200 - 250 mm	0.045 mm
ST3	Condensation	1.35 – 2.6 mm	200 mm	0.045 mm
SE3	Enthalpy	1.5 – 2.7 mm	200 - 250 mm	0.075 mm
HM1	Sorption	1.5 – 2.7 mm	200 - 250 mm	0.095 mm
SH1	Sorption (Hybrid)	1.5 – 2.7 mm	200 - 250 mm	0.065 mm

