



Industrie Service

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../ST2../SE3../HM1../SH1../

GV../SV../SG../ST../FV../FG../FT../KV../KG../KT..

Stand-Alone-Version: „2.x.4.x“

DLL-Version: „2.x.4.x“

that the requirements of the certification program

### RLT-RICHTLINIE Zertifizierung: 2017-11

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

The company is allowed to use the following Certification Mark:



This certificate is valid up to and including 2022-12-31

Certificate registration number: 16/14/15 (Revision 02)



Certification Body for products  
Refrigeration and air-conditioning  
Munich, 2019-09-11

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





Industrie Service

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: 2.x.4.x  
 DLL-Version: 2.x.4.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:

Typ	Model	Design	Plate distance	Layout of the heat exchangers			
				Parallel	Together	In a row	Blocks
G	055 to 170	V <sup>*1</sup>	2.2 – 4.1 mm	-	-	-	-
S	040 to 120	V <sup>*1</sup> /G <sup>*2</sup> /T <sup>*3</sup>	2.6 – 6.3 mm	-	x	x	-
F	100 to 160	V <sup>*1</sup> /G <sup>*2</sup> /T <sup>*3</sup>	4.6 – 12.0 mm	-	x	x	-
K	085 to 100	V <sup>*1</sup> /G <sup>*2</sup> /T <sup>*3</sup>	2.5 – 3.1 mm	-	x	x	-

<sup>\*1</sup>: Standard / <sup>\*2</sup>: Corrosion protected / <sup>\*3</sup>: High temperature

Rotary heat exchangers:

Typ	Design	Wave height	Wheel depth	Foil thickness
ST1	Condensation	1.5 – 2.7 mm	200 - 250 mm	0.06 mm
ST2	Condensation	1.5 – 2.7 mm	200 - 250 mm	0.10 mm
SE3	Enthalpy	1.5 – 2.7 mm	200 - 250 mm	0.09 mm
HM1	Sorption	1.5 – 2.7 mm	200 - 250 mm	0.12 mm
SH1	Sorption (Hybrid)	1.5 – 2.7 mm	200 - 250 mm	0.09 mm

