



**ROTATING EVAPORATOR RVE S CO₂-D
FOR REFRIGERANT CO₂ (R744)**



TECHNICAL DETAILS

RVE S CO₂-D

Strong points:

- Direct operation with CO₂ for best efficiency
- Up to 30 % more ice capacity compared to refrigerant R404A
- Environment-friendly refrigerant CO₂:
Ozone depletion potential ODP = 0
Global warming potential GWP = 1
- Electronic expansion valve
 - ➔ Maximum use of the evaporator surface
 - ➔ Automatic adaptation to changing ambient conditions
- MAJA Rotating evaporators: established, compact construction

Conditions for the installation of RVE with CO₂ direct operation:

- Subcritical CO₂-circuit
- Evaporation pressure regulator to adapt the evaporation temperature of the RVE t₀ approx. -25 °C
- Stop valve liquid line and suction line
- Pressure relief valve with interchangeable valve for maintenance (liquid side 42 bar / suction side 28 bar)
- If necessary CO₂-gas detector (depending on the local situation at the installation place)

Remote control units:

S1: ON/OFF remote control unit in plastic box



S2: ON/OFF remote control unit in stainless steel box



S3: timer remote control unit in stainless steel box



Type	Approx. output kg / 24 h	Water consumption m ³ /24 h	Refrigeration capacity requ. kW / t ₀ -25°C	Electrical connection kW*	Width mm	Depth mm	Height mm	Weight kg
RVE 400 S CO ₂ -D	500	0,5	2,8	0,28	900	512	470	80
RVE 800 S CO ₂ -D	1000	1,0	5,5	0,28	1340	512	470	120
RVE 1000 S CO ₂ -D	1300	1,3	7,3	0,28	1690	512	470	140
RVE 1500 S CO ₂ -D	1900	1,9	10,7	0,28	1690	512	470	155
RVE 2000 S CO ₂ -D	2500	2,5	14,4	0,28	1690	512	470	155
RVE 2500 S CO ₂ -D	3000	3,0	16,2	0,28	1690	512	470	155
RVE 3100 S CO ₂ -D	3800	3,8	20,5	0,47	1525	600	580	215

Maximum pressure: liquid side 42 bar / suction side 28 bar

*) Standard voltage for all types 3AC/50Hz/400V (special voltage on demand)

MAJA[®]

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