

RASCHIG RINGS

The Raschig rings are used for the thin break up of the water in the degassing columns.



Raschig rings

The Raschig rings are plastic pieces (approximately equal in length and diameter) used in large amounts, as layers on perforated grills in CO₂ outgas columns for degassing or other chemical processes. They offer a large area of interaction between the liquid and the gas or vapors in the entire volume of the column. The Raschig rings are made of different plastics injection materials: polystyrene, ABS copolymer or high-density polyethylene. The Raschig rings are made in a single size.

Conditions of use:

- Working fluid: non-corrosive and non-oxidant for plastic materials, usually decarbonated water (pH = 1 ÷ 5), air and CO₂
- Maximum working pressure: 10 bar
- Maximum operating temperature: 80° C

Note: At ordering, it must be specified the required quantity in m³ (not in pieces) and the manufacturing material.



Individual characteristics	Value
Nominal transfer surface	55 cm ²
Overall dimensions	Ø25 x 25
Net weight	2,75 grams (for PP or PEID)

Bulk characteristics, for a volume of 1m ³	Value
Number of pieces	approx. 55.000 pcs/m ³
Total contact surface	305 m ² /m ³
Free volume	0,710 m ³ /m ³
Weight	150 kg/m ³ (for PP or PEID)
Dimension of slot or hole for the mounting grill	18 mm
Storage, acclimatization	no need
ISCIR Control	no