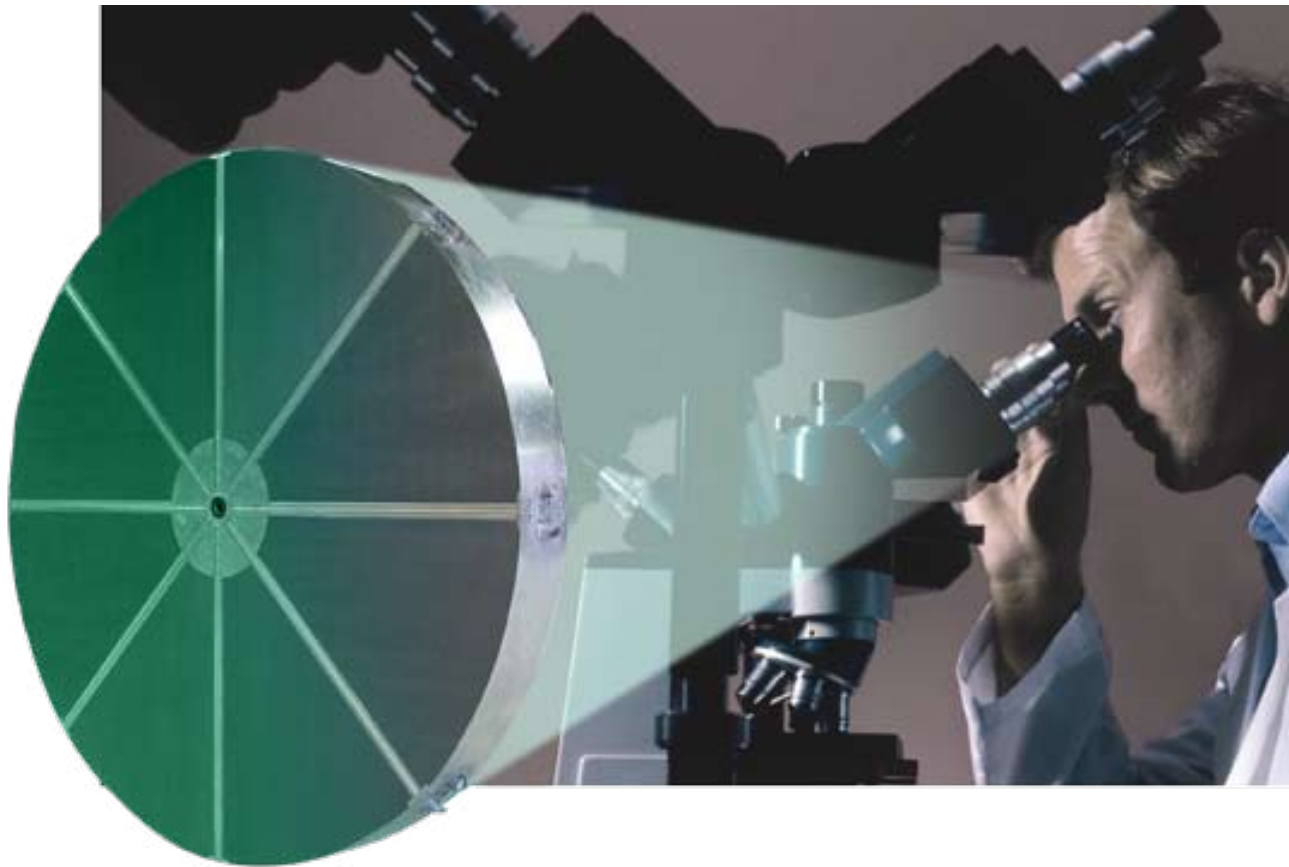


## Desiccant MolSieve Rotor – PPM



The PPM molecular sieve rotor is intended for use in dehumidifier applications where entering air is dry and/or hot, and where the processed dry air must be even dryer. Examples of such applications are plastic hopper dryers requiring dew points below  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ), and production rooms for lithium-ion batteries requiring a dew point of  $-60^{\circ}\text{C}$  ( $-76^{\circ}\text{F}$ ) or lower.

The Proflute rotors are well known as market leading products, and widely recognized for outstanding performance and long life. This is an important factor when LCC aspects (Life Cycle Cost) for a dehumidifier plant are evaluated.

To protect the integrity of our customers, Proflute holds patents on the unique manufacturing process of PPM rotors. The well defined and stable manufacturing conditions makes it possible to closely tailor the amount and characteristics of the adsorbant used in the rotors. This ensures and maintains a high level of repeatability in the process which in the long run guarantees a stable and high quality production output of world class rotors.

Apart from delivering rotors with standard dimensions and properties as outlined overleaf, Proflute can produce replacement rotors in sizes to fit most existing dehumidifiers.

Our offer to you is to provide rotors to fit your needs, with world class performance and dimensioned to your specific demands.

# PPM Desiccant MolSieve Rotor features\*

## Material composition

- Very high molecular sieve contents (type 4A or 3A) – 37%
- High silica gel contents – 45%
- Low glass fiber contents– only 16%
- Acrylic surface coating – remaining 2%

## Physical properties

- Dry material density - ~250 kg/m<sup>3</sup>
- Water vapour adsorption capacity >30%
- Surface compression strength - >200 kPa

## Technical properties

- No limit on high relative humidity  
(as long as no droplets are introduced in rotor during operation)
- Suitable also in alkaline environments
- Rotor can be washed in water  
(with neutral or alkaline detergent after saturation in humid air)

## Dimensions, standard rotors

Diameter, mm	Available depth, mm	Shaft diameter, mm	Delivered knock-down
100 - 350	50, 100 or 200	20	No
450 - 550	100, 200 or 400	20	No
600 - 1050	200 or 400	20	No
1150 - 1950	200 or 400	30	On request
2000 - 3000	200 or 400	40	Yes
3050 - 4500	200 or 400	50-70	Yes

\*) Contents in this leaflet is subject to change without prior notice.



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