

ANGLE DISINTEGRATOR



The Hosokawa Rietz Angle Disintegrator is specifically designed for:

- Dry pulverising
- Wet grinding
- Dispersing/Mixing
- Fine pulping and pureeing

The Angle Disintegrator offers the intense grinding and processing of wet and dry products and can automatically separate and reject non friable material through the optional secondary discharge. Materials enter at the top of the rotor and are subjected to repeated impact and attritional forces from the high speed rotating hammers, centrifugal force carrying the material through the 360° perforated screen. Easily changed screens ensure uniform reduction and continuous flow which in turn maintains low temperature rise and cuts vibration which gives the benefit of a lower kW requirement. Manufactured to a hygienic standard. All process and non process components manufactured from stainless steel. RA Design – can also be fitted with a secondary outlet for separation of reject material.

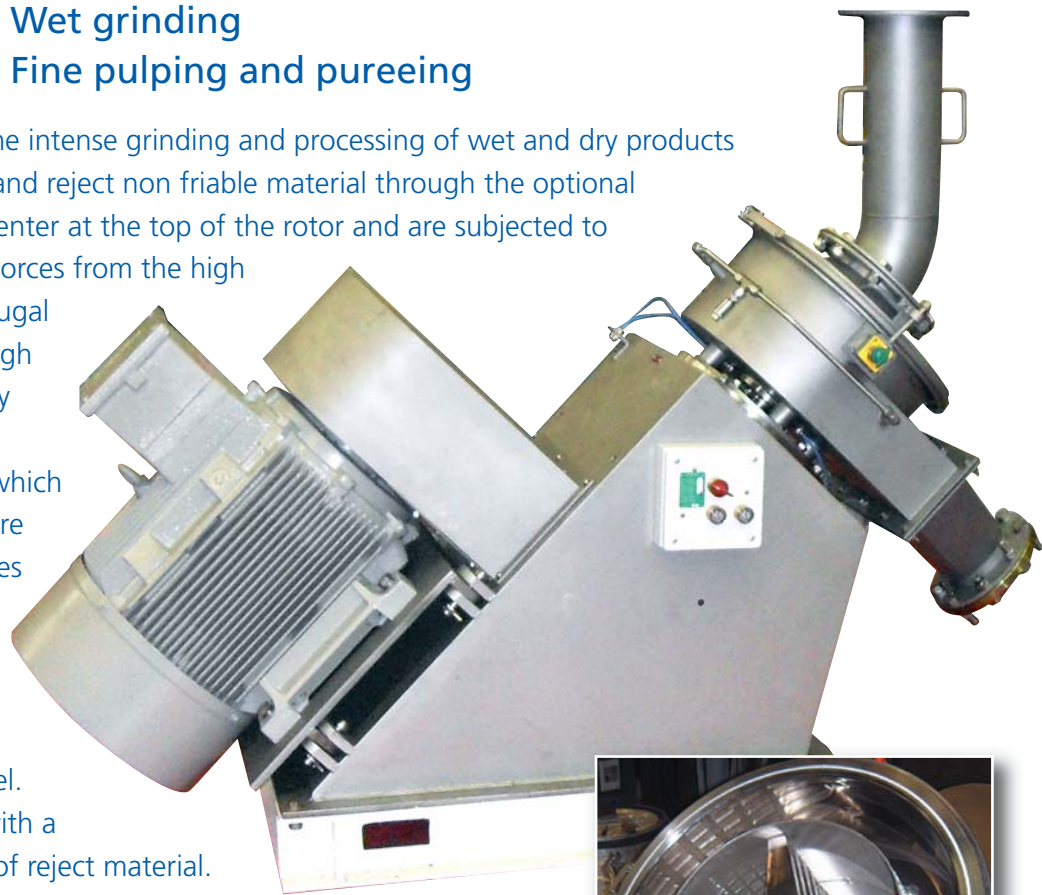
Chemical, Sanitary and over-pressure designs are available.

Principle Benefits:

- Quick product change over without cross contamination
- Continuous operation
- Uniform particle size reduction
- Compact design with small footprint

Typical Applications: (Continuous Delumping, Grinding, Separation)

- | | | | |
|----------------------------|----------------|--------------|------------------------|
| • Aromatic Polyamides | • Herbicides | • Oranges | • Chocolate Crumb |
| • Meta & Para Aramid Fibre | • Dyestuff | • Apples | • Coffee |
| • Resins | • PTFE | • Tomatoes | • Cooked Fish |
| • Fungicide | • Vanilla Pods | • Garlic | • Tobacco Slurry |
| • Pigments | • Blood | • Carrots | • Collagen (Cryogenic) |
| | • Ginger Root | • Baby Foods | |



Angle Disintegrator Specifications

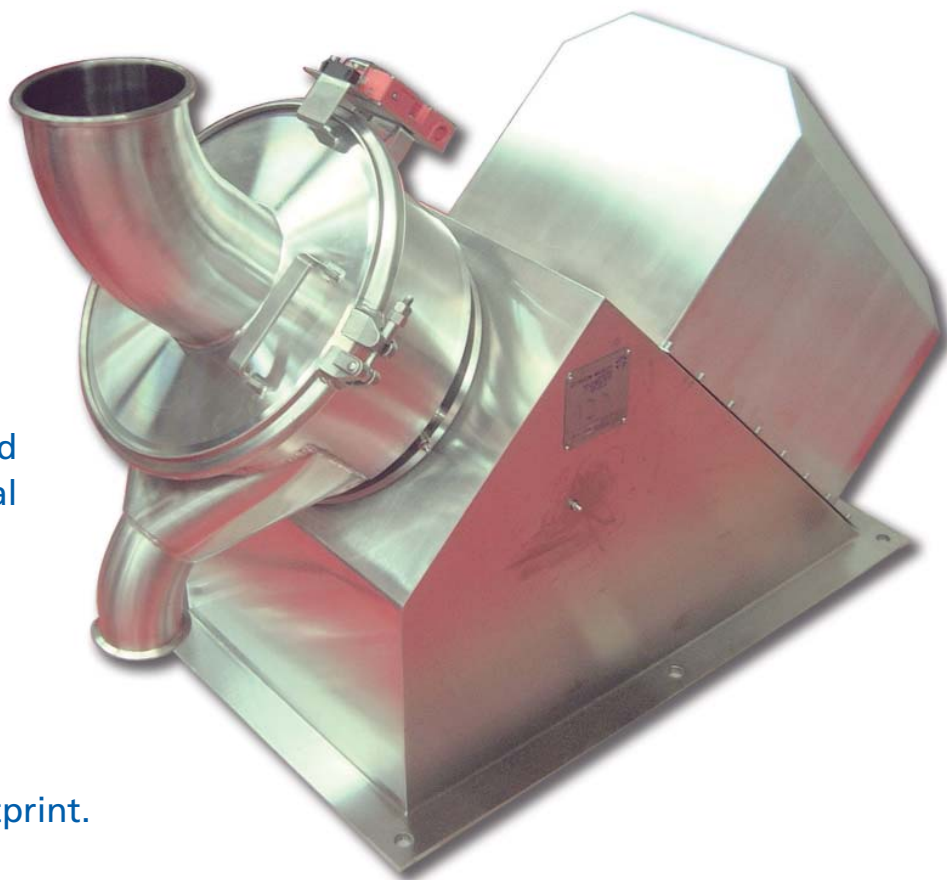
| Model Ref | Rotor Dia (mm) | Screen Height (mm) | Max Motor Power (kW) | Drive | Speed (normal max) | Hammer Velocity m/s (normal/max) | Scale factor (max height screen) |
|-----------|----------------|--------------------|----------------------|--------|--------------------|----------------------------------|----------------------------------|
| RA 8 | 200 | 62 or 159 | 15 | V-Belt | 3000/7500 | 31/78 | 0.45 |
| RA 12 | 300 | 159 or 233 | 55 | V-Belt | 3000/5200 | 47/81 | 1.00 |
| RA 18 | 450 | 233 | 55 (75) | V-Belt | 3000 | 70 | 1.50 |
| RP 6 | 150 | 62 or 159 | 7.5 | Direct | 6000/12000 | 47/94 | 0.35 |
| RP 8 | 200 | 62 or 159 | 15 | Direct | 3000/7000 | 31/78 | 0.45 |
| RP 12 | 300 | 159 or 233 | 55 | Direct | 3000 | 47 | 1.00 |
| RP 18 | 450 | 159 or 233 | 55 (75) | Direct | 3000 | 70 | 1.50 |
| RP 24 | 600 | 233 | 75 (90) | Direct | 1500 | 47 | 2.00 |

Hosokawa Rietz Angle Disintegrator for Safe Size Reduction of Chemicals

Uniquely designed for the continuous delumping, pulverising and grinding of potentially explosive chemicals and active pharmaceutical ingredients, the Hosokawa Rietz Angle Disintegrator is pressure shock resistant to 10barg and internally zoned to ATEX 20.

Features and Benefits:

- Uniform particle size reduction
- Screen sizes down to 76 microns
- Sanitary design, GMP compliant
- Construction facilitates quick product change; rapid machine access and minimal down time
- Suitable for heat sensitive materials
- Inert gas injection system available
- Compact design, small footprint.



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