

RotaCut wet shredder

RotaCut for reliable and economical shredding of fibers and impurities and separation of heavy materials.

Operating conditions:

Medium _____
Throughput capacity: _____ m³/h
Viscosity: Good flow
Temperature: _____ °C
Solid content: _____
Particle length after comminution: _____ mm
Density: _____ kg/m³
pH value: _____
Operating pressure: _____ bar

- Shredder with integrated heavy material separator
- Easy and quick access to the cutting unit and heavy material separator
- Mechanical seal without flushing and barrier water connection
- Asymmetrical knife rotor

Materials and design

Cutting head

Housing material: _____
Self-sharpening cutting blades made of hardened stainless steel
Cutting screen made of highly wear-resistant special steel
Duronit/Duronit sliding ring pairing with NBR O-ring
O-rings in contact with medium NBR

Separator with connections

Material: _____
Suction nozzle Compatible with DN _____ EN1092-1/11, PN ____
Pressure connection compatible with DN _____ EN1092-1/11, PN ____
Cleaning opening _____ Square flange

Drive

Flat gear motor
Make:
Type:
Drive power: _____ kW
Output speed: _____
ISO class: F
Protection class: IP55
Voltage: 400 V
Frequency: 50 Hz
Winding protection: 3 PTC thermistors

Automatic cutting force control (ACCplus)

Automatic cutting force control using compressed air for infinitely variable adjustment of the contact pressure of the cutting blades on the cutting screen during operation.

Shutdown of the system when the blades reach their wear limit.

No deflection of the cutting blades possible, thus ensuring optimum cutting performance with low preload pressure and low wear

Adjustment of the contact pressure by means of a compressed air connection or manual application

Sensor for registering the wear status of the cutting blades.

Paint finish:

Primer steel protection, top coat RAL3020 (traffic red)

Dimensions (LxWxH): mm

Accessories:**RotaCut control module**

consisting of

Hardware

Data communication: ___ (Profinet)
___ (Local I/O)

Supply voltage: 24V DC

Protection class: IP20

Temperature range: 0°C to 55°C

Mounting type: DIN rail

CE conformity: Certificate available

cULus compliance: Certificate available

Software**Functions:**

Visualization

Automatic operation

Manual operation

Remote automatic mode

Web-enabled visualization based on HTML5

Motor thermistor, motor protection switch, and load circuit evaluation

Blockage management

Operating data acquisition (e.g., operating hours, etc.)

Overload and underload detection

Evaluation of pressure monitoring on the suction and pressure sides

RotaCut RCQ control cabinet

Dimensions (H x W x D): 500 mm x 500 mm x 210 mm

Material: Steel

Protection class IP55

Functions

Visualization

Automatic operation

Manual operation

Motor thermistor, motor protection switch, and load circuit evaluation

Blockage management

Overload detection

Evaluation of pressure monitoring on suction and pressure side

Evaluation of ACC pressure switch

Evaluation of cutting blade wear condition