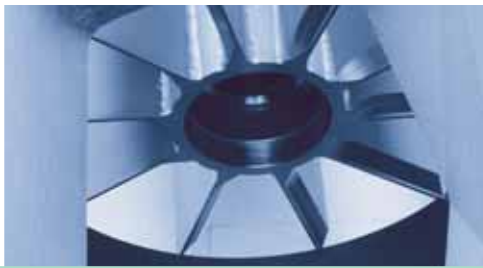


The Top Performers in Material Flow

REIMELT
Components With Experience
A Member of the Zeppelin Group



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Picture 1: Automatic jet-filter for silos. Allows simple changing of filter bags

Picture 2: Electrochemically polished screw inlet, meeting the highest hygienic requirements

Optimize your Raw Material Handling!

Perfectly coordinated raw material handling is the basis for a dependable and thus economical production process.

Reimelt offers all the key components needed for raw material handling and processing. From discharging and metering of materials, to distribution, sifting and filtering, Reimelt has many innovative solutions resulting from decades of experience with our partners in the raw material handling industry.

Proven Bulk Handling Technology ...

Reimelt key components are manufactured exclusively inhouse and provide a first class processing quality. This forms the ideal foundation for industrial production with stringent requirements and continuous operation.

The component service life is ensured by the easy maintenance and hygienic design, along with long-term spare parts availability.

... and Always on the Cutting Edge!

Reimelt has developed numerous, often patented components, which prove their competence. This competence is not limited to mere production, as research and development play an important role. New technical solutions can be tested in the in-house test facility, which also comprises technical trials according to the customer's specification such as performance tests and analyses of bulk materials.

Technology in Detail

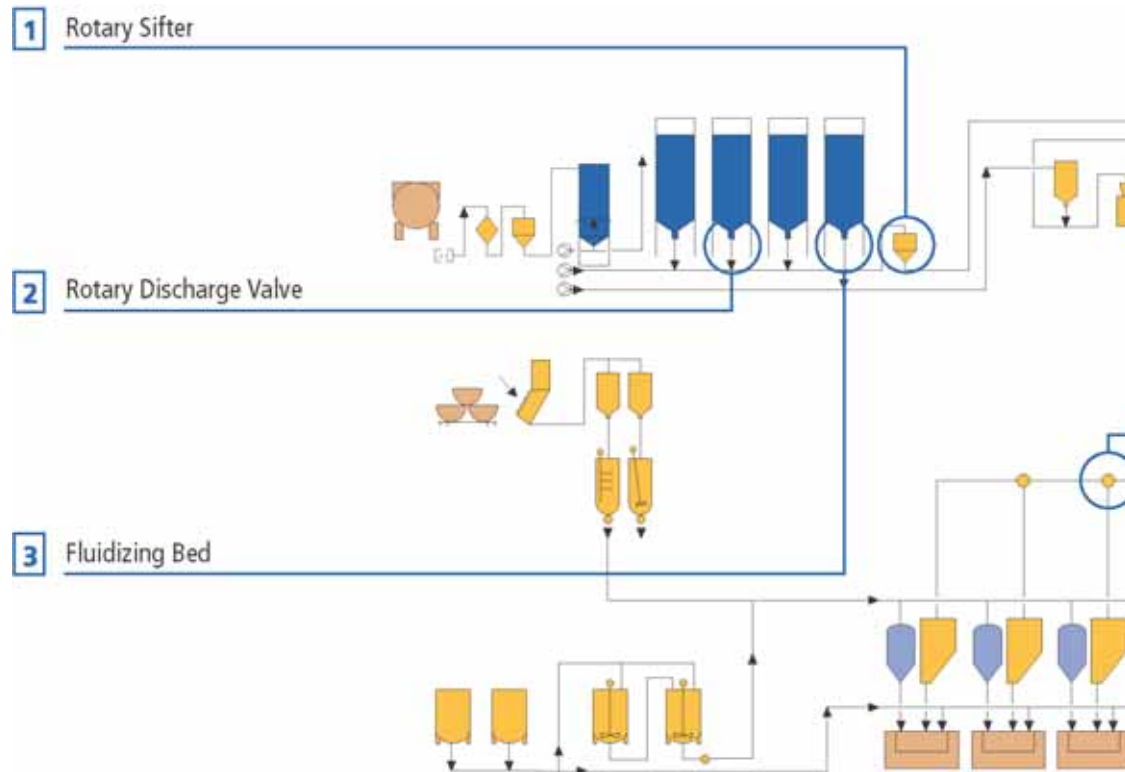
1 Rotary Sifter, Model RS3/RS7

- Removal of foreign matter and coarse material
- Protection of down-stream equipment (automated systems)
- Fluidization, fractionation, control sifting
- Automatic impurities removal
- High sifting capacity with gentle handling

- As an Inline-sifter with an operating pressure of up to 0.8 bar g
- Patented pre-sifter
- Sifter drum purge (optional) for frequent product change
 - Maximum pressure: 1 bar g
 - Sifter mesh size: 0.45 - 4 mm
 - Sifter screen material: polyester, polyamid
 - Material: housing, inner parts - stainless steel Inlet, lid - cast aluminum (stainless steel - optional)

2 Rotary Discharge Valve, Model D/B

- Available for gravity discharge (D/Drop) or blow through conveying (B/Blow)
- Metering and discharge device in pneumatic conveying systems utilized under silos and hoppers
- Areas of application: food and chemical industries
 - Pressure-tight: according to requirements
 - Chamber volume: 2.8 - 72 dm³/min⁻¹
 - Dimensions and capacities: see data sheet



3 Fluidizing Bed, Model FB

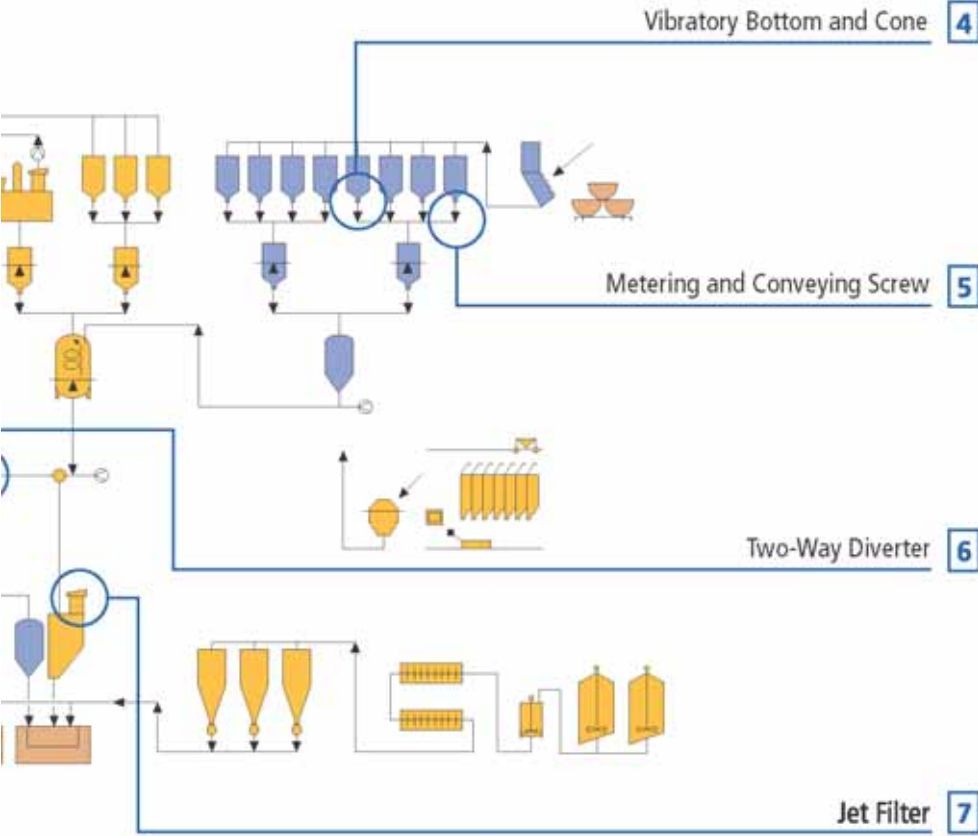
- Pneumatic fluidizing system for the discharge of hard-to-handle but fluidizable bulk materials
- Fluidization by compressed air through porous sintered-plastic sheets
 - Pressure tight: according to requirements
 - Dimensions: inlet Ø 640 - 2.875 mm
outlet Ø 230 - 310 mm
Height: dependent on application and model
- Material: dependent on application, coated carbon steel or stainless steel, parts in contact with product (inner) PE

4 Vibratory Bottom and Cone, Model VB/VT

- Discharge device for hard-to-handle and/or non-fluidizable materials
- Horizontal vibrations are transmitted to the product column via the discharge bed and vibration disk.
 - Pressure tight: according to requirements
 - Dimensions: inlet Ø 590 - 1,792 mm
outlet Ø 180 or 250 mm
- Material: dependent on application, coated carbon steel or stainless steel

5 Metering and Conveying Screw, Model DS

- Metering and conveying of all bulk materials
- For conveying systems and precise scale filling
- Switchable coarse and dribble flow or frequency control for precise weighing of bulk materials
 - Dimensions (mm):
Tube diameter Ø 80/100/150/200
Inlet Ø 260 - 340 mm
Outlet Ø 80 - 300 mm
 - Capacity: 0.6 - 48 m³/h
 - Length: variable, dependent on application
 - Material: all stainless steel



6 Two-Way Diverter, Model ZWV PS

- Diverting and converging device for pneumatic conveying systems
- Also suitable for hard-to-handle powders or granular products
- Nominal width (mm): 56/85/100/110/125/ 150/163
- Mounting length: 400 - 800 mm
- Material: housing, lid, rotor - cast aluminum parts in contact with product - stainless steel

7 Jet Filter

- Suitable for venting with fan
 - Fully-automatic function for continuous filtering of conveying air from pneumatically fed silos and hoppers
 - Extremely high dust removal efficiency
- Jet Filter, Model 404-1272**
- Pressure tight: according to requirements
 - Dimensions (mm): \varnothing 404/636/795/955/1272
 - Height: 630 - 1,800 mm
 - Filter area: 1.01 - 21.41 m²
 - Filtermaterial: dependent on application and dust type

Jet Filter, Model ECO 404-1272

- Increased filter area with the same housing dimensions

Silo-mounted Jet filter Typ ECO

- Pressure tight: according to requirements
- Dimensions: \varnothing 795/955 mm
- Height: 630 - 1,600 mm
- Filter area: 22.5/30 m²
- Filter material: dependent on application and dust type

1 - 7 Various sizes available upon request



Picture 3: Parallel production lines from a single silo, enabled by a flat fluidizing bed design (up to 4 outlets possible)

Bulk Handling Technology – Time Tested and Proven ...

Quality Components for Process Technology

From the pneumatic conveying system to the jet filter, the Reimelt Program covers the complete process technology sequence. Our components are constantly being reviewed to meet the changing requirements of the Customer.

Reimelt has developed the **fluidizing bed** system in order to guarantee gentle product handling during the discharge operation. The fluidizing system aids the flow of material, even with hard-to-handle products and works in conjunction with other Reimelt processes such as tempering and pneumatic blending.

The **metering and conveying screw** is constructed completely from stainless steel and is easy to clean. The direct drive makes it easy to inspect the unit. An optional bearing purge system is available for handling difficult products.

The screw has an **ultra-hygienic model** that was adapted for applications that require a higher degree of hygiene, i.e. baby food production. All the inner welding seams are ground smooth and the screw, screw tube and all surfaces that come into contact with the product are electrochemically polished. The hygienic inlet and outlet housings have identical connection dimensions to match existing equipment connections.



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Bulk Material Handling Expertise

For over 100 years, Reimelt has been a well known partner for complete system engineering and construction solutions in the international market. Our performance spectrum in raw material handling technology ranges from single key components to complete turn-key systems, designed to meet individual customer requirements for optimal and economical production.

All Reimelt components are engineered in accordance to the ATEX explosion safety regulations. This provides our customers with an added level of safety for both their personnel and investment.

Our main business fields are the food and chemical industries. From our headquarters in Germany, Reimelt has a world wide network of subsidiaries and agencies to ensure a close customer relationship, no matter where they are: You can find Reimelt in the USA, Canada, Great Britain and France as well as Brazil, Hong Kong, Korea and Malaysia.

Expertise and a close relationship to the customer. When you make an investment in your own future see what Reimelt can do for you!

Picture 4: Optically-guided inert-gas welding unit

Picture 5: Press with conical rollers for cone shaped hoppers or hopper components

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