

### Screw Compactor

Simple, effective compaction of fibrous dust.

The MikroPul Screw Compactor is a self-contained helical screw conveyor designed to compact light, fluffy, fibrous material stripped from self-cleaning air filtration equipment. It mounts directly to the cone outlet of our Fine Dust Filter or other stripper filters.

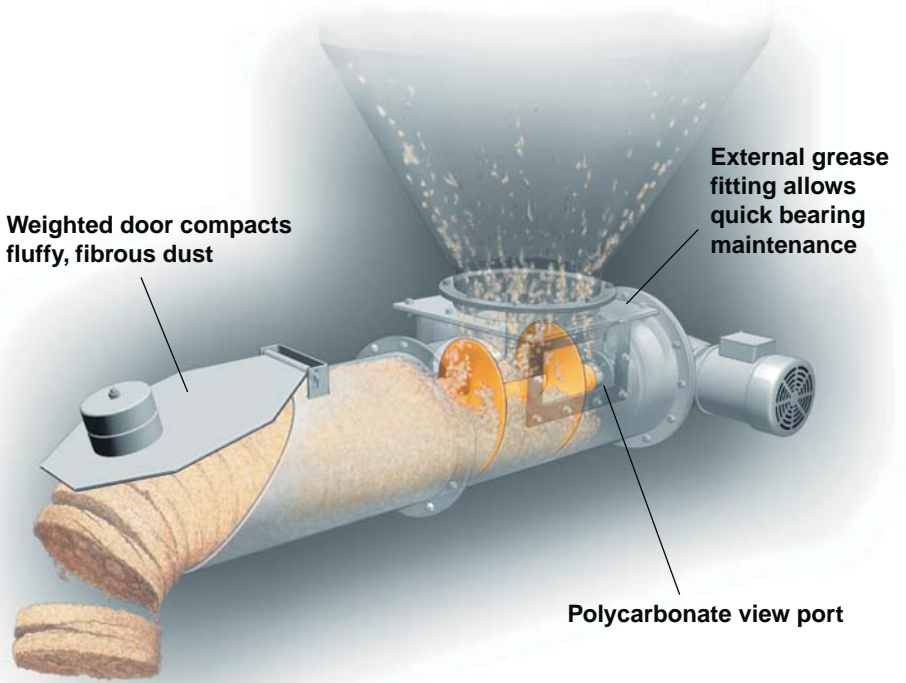
#### Simple, Low Maintenance Operation

The collected material falls from the stripper filter into the Screw Compactor through an opening above the screw chamber. In a continuous process, the helical screw conveys the fiber and dust to the discharge chamber which incorporates a weighted hinged door. This door provides resistance to the plug of moving material, thereby compacting it. When the dust reaches about five times its normal density, it pushes through the door opening.

#### Features

- Unlike competitive units, the MikroPul Screw Compactor does not have to be precharged with dust.
- Compacted material density can be adjusted by changing the weights attached to the discharge door.
- All lubrication points are external, allowing for quick, simple maintenance.
- No rotary valve is required when positive pressure is less than 102 mm (4") water gauge.
- For safety reasons, the view port is secured with tamper-proof fasteners, requiring a special tool for removal.
- Simple design and rugged components require very little attention.

Weighted door compacts fluffy, fibrous dust



External grease fitting allows quick bearing maintenance

Polycarbonate view port

#### Specifications

Capacity—approximately 181 kg/hr (400 lb/hr) of stripper dust and short fiber.

Compaction—approximately 5:1 as received from MikroPul's Fine Dust Filter, approx. 0.03 kg/m<sup>3</sup> (2 lb/ft<sup>3</sup>) before compaction, 0.13 kg/m<sup>3</sup> (10 lb/ft<sup>3</sup>) after compaction.

Construction—carbon steel housing, high strength shaft and flights, polycarbonate view ports, heavy duty gear motor with easily replaceable motor.

Connection—standard 305 mm (12") diameter duct flange.

Electrical—230/380/575 VAC, 3 phase, 50/60 Hz, 1.5 kw (2 hp).

Dimensions—160 cm (63") x 69 cm (27") overall, 102 cm (40") from filter center line to discharge opening.

Weight—151 kg (332 lb).

NORTH AMERICAN LOCATIONS Visit our web site @ [www.mikropul.com](http://www.mikropul.com) for other locations worldwide.

# MIKROPUL

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