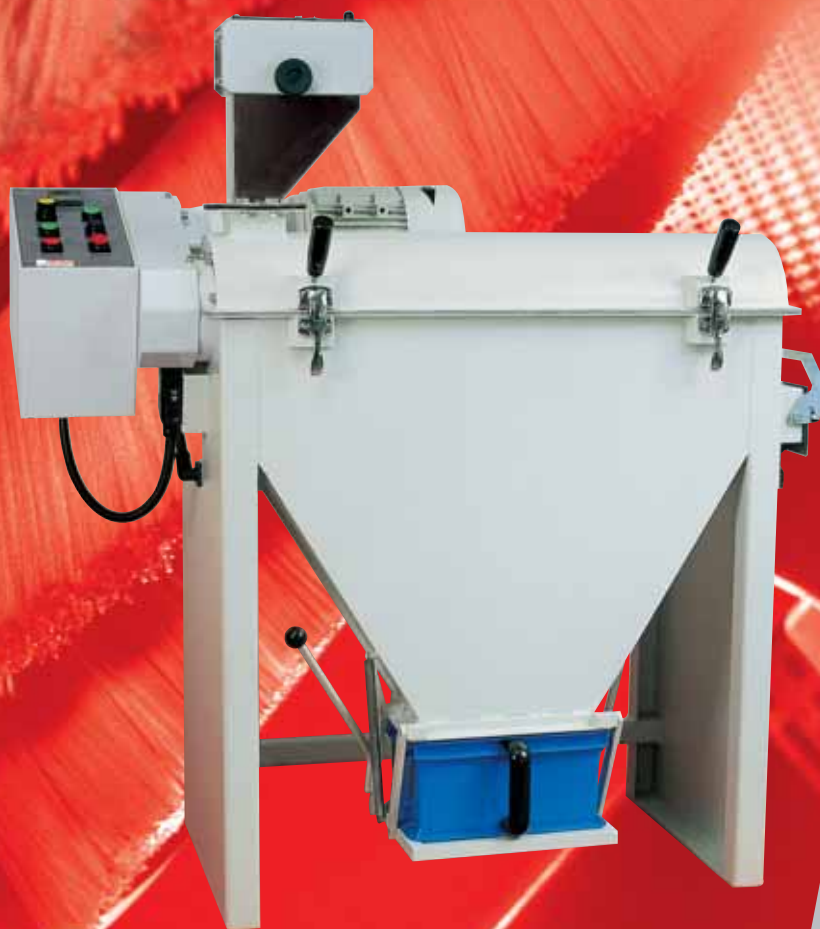


pulverisette 8



Soil Deagglomerator

- Gentle deagglomeration of dry soil samples
- Separation of stones, roots, etc.

deagglomeration
soil sample size
preparation reduction
for your lab

FRITSCH

Soil Deagglomerator

Field of application

Preparation of soil samples for chemical and physical analysis, e.g. to determine the active ingredients relative to crop yield or identification of pollutants. Agglomerates are reduced to 2 mm grain size, e.g. as per the sewage sludge code or DIN 19683.

Method of operation

Agglomerated soil samples are crushed by the combined forces of impact and friction. Rotating spiral nylon brushes in a cylindrical grinding chamber gently deagglomerates the sample, simultaneously conveying the sample along a 2 mm perforated plate within the chamber.

The processed sample is collected in a container at the base of the mill, whilst larger components (stones, glass, wood, etc.) are retained and finally separated out at the end of the grinding chamber.



sample
size reduction preparation
Soil Deagglomerator



pulverisette 8 open

Advantages

- Safety tested (CE mark)
- Speedy size reduction
- Easy to clean
- Overload protection
- 2 year guarantee



pulverisette 8 with dust extraction unit

Design Characteristics

- Gentle deagglomeration
- No crushing of stones
- Automatic removal of components > 2 mm
- Self-cleaning is effected by the rotating brushes which convey all material through the system
- Dust free operation through specially designed sealing system
- Connection for dust extraction
- Accurate short-time timer for reproducible grinding conditions
- Continuous operation also possible

Accessories

- Sieving plates in constructional quality steel for grinding without risk of any contamination from heavy metals or sieving sheet in stainless steel for greater protection against corrosion.
- Dust exhaust system



pulverisette 8

Technical data

working principle	shearing force
max. feed size (depending on the material)	30 mm
min. sample quantity	500 ml
max. throughput per batch	2 l
final fineness	< 2 mm
grinding time	3 - 5 min
standard equipment	sieving sheet 2 mm trapezoidal perforation, stainless steel, 1 set = 8 brush strips, nylon
additional material for sieving sheet	constructional steel St 37
rotational speed	400 rpm during crushing, 90 rpm during cleaning
electrical details	400 V/3~, 50-60 Hz, 1240 watt
motor-shaft-power according to VDE 0530, EN 60034	0.9 kW during crushing, 0.25 kW during cleaning
weight	net: 100 kg, gross: 235 kg
dimensions w x d x h	floor instrument: 120 x 50 x 120 cm
packing details	1 pallet-case: 140 x 75 x 152 cm

Ordering data

Order no.	Description
	Soil Deagglomerator pulverisette 8 incl. nylon-spiral brush strips and sieving sheet made of stainless steel * included in the basic price of the instrument
08.3030.00	for 400 V/3~, 50-60 Hz, 1240 watt Attention: The pulverisette 8 with voltage of „3/~“ can <u>only</u> be operated on a three phase supply network.
90.1000.00*	Accessories/spare parts set spiral brush stripes made of nylon (set = 8 pieces)
08.3400.10*	sieving sheet made of stainless steel, 2 mm trapezoidal perforation
08.3420.09	sieving sheet made of constructional steel St 37, 2 mm trapezoidal perforation
	Dust Exhaust System
43.9020.00	dust exhaust system for 230 V/1~, 50-60 Hz, 1000 watt
43.9530.00	set dust filters for exhauster (set = 5 pieces)

