

WG-30

Wet Granulator

The WG-30 Wet Granulator operates according to the oscillating rotor principle by compressing the wetted mass through a stainless steel sieve of a predetermined size. Later on, the formed granules can be collected, dried and, if necessary, dry-crushed. The WG-30 Wet Granulator is designed for the production of granulates in various sizes from wetted powders as a feed. It can also be used to reduce dry masses or for re-processing of rejected tablets using sieves with big openings.



WG-30 attached directly to UAM

Operation Mode

Two knurled screws are built in to allow the operator to apply equal tension to all zones of the sieve during contact with the oscillating rotor. The high quality stainless steel oscillating rotor has 4 blades. The rotor may be readily removed for cleaning using the two handwheels in the front of the apparatus. The oscillating rotor has an oscillation angle of 90°. The WG-30 Wet Granulator is provided with two standard sieves: $d = 1.0$ mm and 1.6 mm respectively. Other sieves with different sizes are also available as an extra option and they are readily interchangeable through the user friendly design. The WG-30 Wet Granulator can be directly attached to the UAM Universal Motor Drive, which offers a smooth stepless speed adjustment. All contact parts are made of GMP Compliant materials and can be sterilized in accordance with GMP.



Advantages

- » Used for Wet/Limited Dry Granulation
- » Good Solution for R&D and Small Batch Production
- » Corrosion Resistant, Medical & Food Grade Contact Parts

Features

- » Versatile Applications Wet /Dry
- » Powerful & compact
- » GMP compliant

Standard Scope of Supply

Complete Wet Granulator (part. no. 40-01350) including

- » Plexyglas Cover (part. no. 426-0050)
- » Standard Sieve Set: 1mm and 1.6mm

Options

- » Optional Sieves in sizes 0.315, 0.63, 0.80, 1.00, 1.25, 1.60, 2.00, 2.50 & 3.15 mm

Application Specifications

Parameter	Specification
Operation Principle	Oscillating rotor granulation, flow through mesh
Process Range	<ul style="list-style-type: none"> » Wet granulation of wetted powders (solid/liquid) » Dry granulation of soft slugs and pellets, rejected tablets, pellets and granulates (solid)
Feed Characteristics	<ul style="list-style-type: none"> » Wetted powders, pastes and doughs » Soft slugs and pellets » Rejected granules and tablets
Range of Applications	Pharmaceutical, herbal & alternative medicine, chemicals & fine chemicals, food, agriculture, cement & ceramics, cosmetics and detergents, paints & pigments

Technical Specifications

Parameter	Specification
Operation Capacity	Up to 25 kg/h Depends on feed properties, instrument and process parameters
Oscillation Frequency	100 – 900 Min ⁻¹
Safety Measures	Plexyglas Safety Cover
Instrument dimensions	Approx. 480 x 800 x 680 mm (width x depth x height)
Packaging dimensions	Approx. 480 x 800 x 680 mm (width x depth x height)
Net / Gross weight	Approx. 20 / 23 kg

We reserve the right to make technical changes without any prior notice.