

Marumerizer[®]

Model QJ-400TG

Pharmaceutical



LCI's QJ-400TG Marumerizer is a pilot scale / small production spheronizer which converts wet pellets into spheres.

Features

- 400 mm diameter friction plate
- 4 liters nominal batch size
- Batch operation with manual discharge valve
- GMP design with 316 stainless steel product contact parts in high polish finish
- 304 stainless steel jacketed bowl for heating or cooling
- Machine frame with casters for roll-around mobility
- Easily disassembled without tools
- 3 hp geared motors in 230 or 460VAC/3 phase/60 Hz
- Control panel on swing arm equipped with touch screen operator interface and PLC
- Compressed air (regulated) under plate to prevent product from falling below the plate
- Air purge for shaft seal to prevent product contamination

Operation

Pellets are batch fed to the spinning friction plate and thrown against the Marumerizer bowl forming a "twisting rope". Collision of particles with the wall, friction plate, and with other particles, results in the deformation of the pellets into spheres. The final particle shape is time and formulation dependent. Once the desired particle shape is achieved, the discharge valve is opened and the batch collected.



The QJ-400TG is quickly and easily disassembled for cleaning and plate changing.

LCI Corporation is the exclusive distributor for Fuji Paudal Company, Ltd. in the Americas.

Marumerizer Model QJ-400TG Dimensions (shown in mm)

Weight: 350kg

