

Pharmatech Multiblend Powder & Granule Blender - MB005



Pharmatech
Innovation in Pharmaceutical Engineering

MB005 Laboratory Powder & Granule Blender



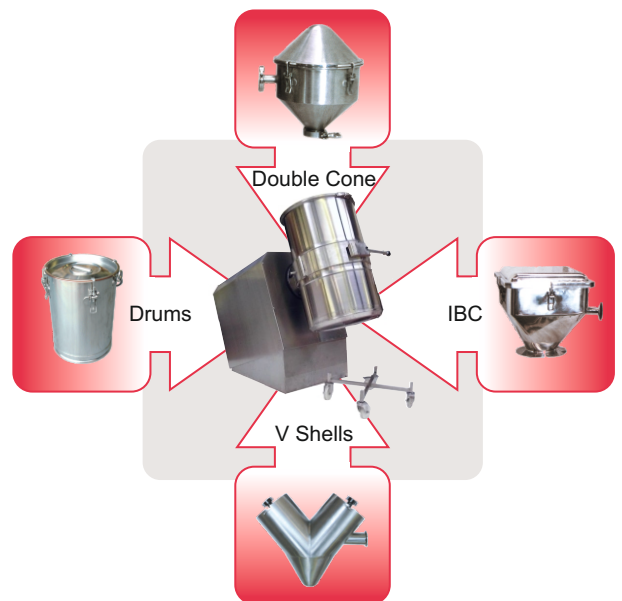
The Pharmatech MultiBlend® MB005 is a laboratory scale batch blender that can handle containers from 0.1 litre up to 5 litres in size. The MB005 is the perfect tumble blender for mixing powders and granules during formulation development and for small scale production work. The MB005 is used extensively in R&D laboratories, and small scale manufacturing

The MB005 is designed for use in pharmaceutical and other hygienic environments (eg. in the food and cosmetic industries). Pharmatech have many years of supplying the pharmaceutical industry and the MB005 blender is constructed to be GMP correct.

Container Shapes

Like all MultiBlend® blenders the MB005 features the Quick-Change facility where the blending container can be quickly removed and replaced with another without the use of tools. All standard blending vessels shapes are available:

- drums (barrels)
- lbc's (bins or totes)
- V-shells (Vee cones, Y-cones, twin shells)
- DoubleCone
- Special shapes



Multiblend MB005



Moving your blender

The MB005 is a portable bench top mixer but for increased versatility it can be mounted on a mobile table or trolley.

Pharmatech manufacture a range of custom built trolleys - please ask for data sheet on trolleys.

Operator Controls

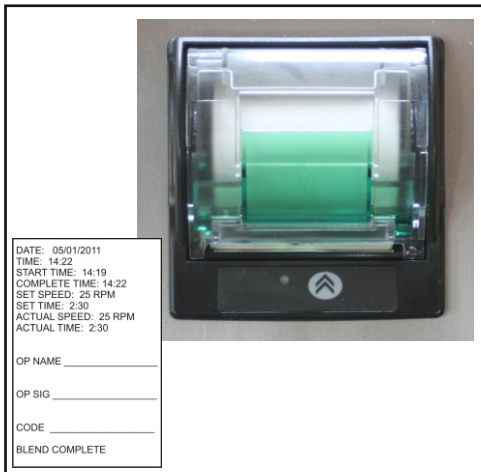
The Pharmatech MB005 is supplied with easy to use touch sensitive colour HMI Controls as standard. HMI features include:

- 5.7" Colour Screen
- Allows the operator to input blend parameters such as blend time and blend speed
- Provides operator guidance instructions, machine status and error message pop ups



Printer

An ink jet tally roll printer can be incorporated to provide a printout of the blend cycle.



Quick Change Of Blending Vessels

The quick change system is designed for operator comfort. Simply position the vessel on the drive shaft, release and use both hands to fully tighten the clamp.

Ask for our Datasheet on blending vessels to be used with this machine.



Certificate No. GB 17833

Technical Details

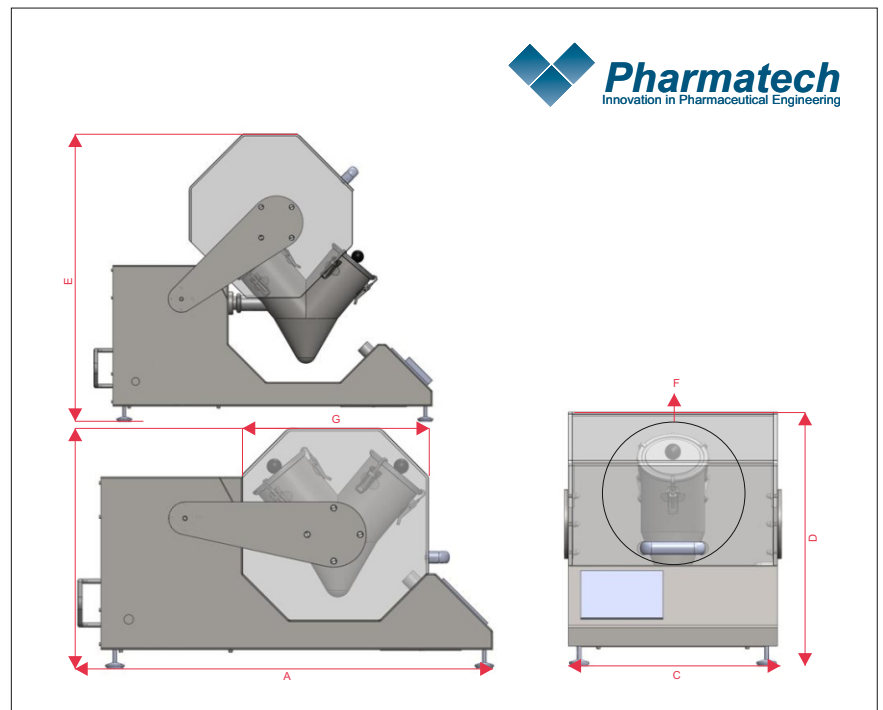
Dimensions

A (Length)	870mm
B (Chassis Height)	390mm
C (Width)	440mm
D (Height Closed)	505mm
E (Height Open)	755mm
F (Max. Rotation Radius)	180mm
G (Max. Vessel Length*)	350mm

* Max. Vessel length to include adapters

Weight (without containers)	45kg
Power Supply	230V 50Hz 1 phase*
Motor size	60w
Speed Range	3 - 30 RPM
IP Rating	IP65
Useful Turning Moment	5Nm
Blending Containers	1 - 5 litres


* Special voltages on request - ask for details



Standard Features

- All stainless steel construction
- GMP correct design
- Variable speed from 5 to 30 rpm
- Proface Touch Sensitive Colour HMI PLC Controls
- Interlocked safety guard
- Suitable for all shapes of containers up to 5 litres
- Quick change container system
- Vertical Autostop
- CE mark

Options

- PLC Controls
- Printer
- ATEX rating (to any standard) 
- Non standard voltages
- Validation Documentation (DQ, IQ, OQ & FAT)
- Containers

Maximum Load

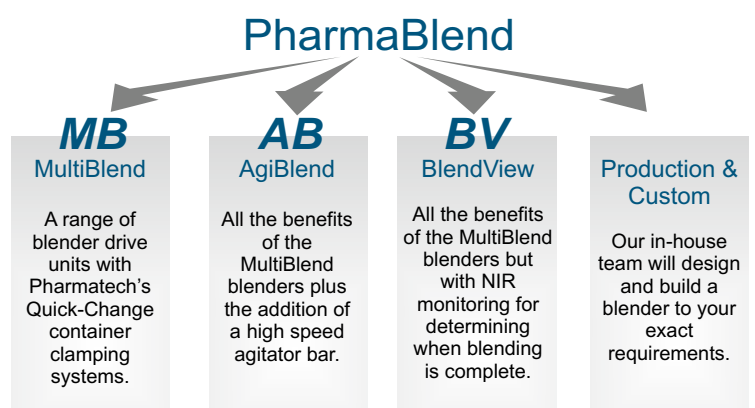
For a product with a bulk density of 1g/cc the maximum loads will be:

3.3kg (3 litres) of product in a 5 litre shell

The PharmaBlend Range

The MB005 is just one of a range of blenders supplied by Pharmatech

PharmaBlend Blenders are Pharmatech's range of high quality blenders. These blenders are used extensively in pharmaceutical companies around the world.



AgiBlend Blenders - AB

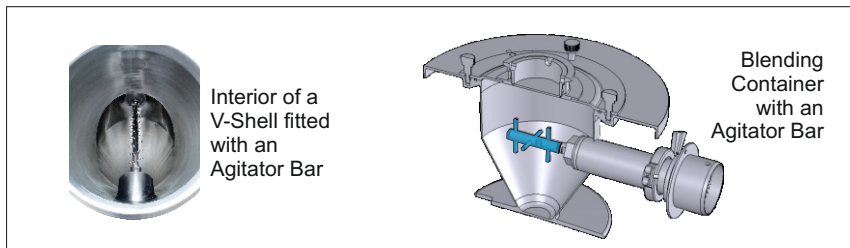
High Shear Mixing within the Blending Container



Special AgiBlend
AB400 with 75 litre
Double Cone

Standard tumble blenders provide a gentle, low shear action. The mixing efficiency within an AgiBlend container is increased by the use of high shear agitator bars.

- High shear, counter rotating mixing bars give an intensive mixing action
- Ideal for potent and highly coloured products
- Any shape of container
- Any size of container
- Option of Liquid addition through the Agitator Bar
- Advanced seal design developed by Pharmatech



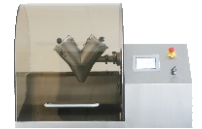
Interior of a
V-Shell fitted
with an
Agitator Bar

Blending
Container
with an
Agitator Bar

Our extensive range:



MB005



MB015



MB030



MB100



MB400



MB800A



MB1200A



MB2000A

BlendView Blenders - BV

PAT Enabled Blenders for Blending Endpoint Determination

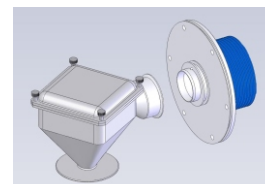
The BlendView system allows the continuous collection of high quality blending data leading to superior analytical accuracy.

The NIR components do not rotate and are protected within the blender frame.

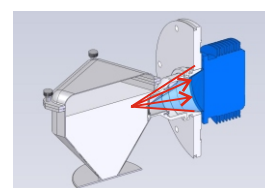
- Real time readouts of your blending process
- The wide spectrum of FT analysis allows more information to be collected. It also allows the tracking of more ingredients
- Suitable for use with fixed shell blenders or machines where the blending container is removable
- Available for all containers from 0.2L upwards
- Software 21 CFR Part 11 compliant



BV030 Blender - the fully
integrated laboratory
(consisting of onboard
spectrometer and PC)



BlendView containers use
the Quick-Change system



Cross section showing
BlendView principal