

DOUBLE CONE BLENDER (DCB)

Double cone blenders, also known as double cone mixers, are commonly used in industries such as pharmaceuticals, chemicals, food processing, and more, for the blending and mixing of powders or granular materials. Here is an overview of the utilization of double cone blenders and the associated process:

Loading:

The powders or granular materials to be blended are loaded into the double cone blender. The material is spread evenly inside the blending chamber, which consists of two cone-shaped sections.

Mixing Process:

Once the material is loaded, the double cone blender is set in motion. The blending chamber rotates around its central axis, causing the materials to tumble and mix. The rotation of the blender ensures that the materials move from one end of the cone to the other, facilitating thorough blending.

Blending Time:

The blending process continues for a predetermined period, allowing the materials to mix thoroughly. The blending time may vary depending on the specific requirements of the blending process and the characteristics of the materials being blended.

Optional Features:

Some double cone blenders may include additional features to enhance the blending process. These features can include internal baffles or mixing baffles within the blending chamber, which help break up agglomerates and promote uniform mixing.

Material Discharge:

After the blending process is complete, the double cone blender comes to a stop. The blended material can be discharged from the blender through an outlet or discharge valve located at the bottom of the blending chamber. The discharge is typically controlled manually or automatically.

Cleaning and Maintenance:

After use, the double cone blender is cleaned thoroughly to remove any residual material and ensure proper hygiene. Routine maintenance tasks, such as inspecting moving parts, cleaning filters, and lubricating components, are also performed as needed.



It is important to note that the specific utilization and process of a double cone blender may vary depending on the manufacturer, model, and the specific requirements of the blending process. However, the rotational motion of the double cone blender ensures efficient and uniform mixing of powders or granular materials, making it a valuable equipment for blending applications in various industries.

Technical Specifications Table:-

MODEL	CAPACITY	WORKING CAPACITY	BLENDER RPM
DCB 100	100 LTRS GROSS	60 LTRS	RPM 5-22
DCB 150	150 LTRS GROSS	90 LTRS	RPM 5-22
DCB 200	200 LTRS GROSS	120 LTRS	RPM 2-16
DCB 250	250 LTRS GROSS	150 LTRS	RPM 2-16
DCB 300	300 LTRS GROSS	180 LTRS	RPM 2-16
DCB 500	500 LTRS GROSS	300 LTRS	RPM 2-12
DCB 600	600 LTRS GROSS	400LTRS	RPM 2-12
DCB 1000	1000 LTRS GROSS	600 LTRS	RPM 1-8
DCB 1500	1500 LTRS GROSS	900 LTRS	RPM 1-8
DCB 2000	2000 LTRS GROSS	1500 LTRS	RPM 6
DCB 3000	3000 LTRS GROSS	2100 LTRS	RPM 4