

# MultiPreMix paddle mixer

## Process

The MultiPreMix paddle mixer is designed to mix a wide range of premixes, concentrates, additives and liquids into a homogeneous animal feed mixture for pharmaceutical purposes, within a short mixing time.

## Benefits

- ▶ Fast and accurate homogeneity for feed according to GMP+ Guidelines.
- ▶ Homogeneity for MultiMix: probability  $p > 5\%$  or coefficient of variation  $CV > 2.5\%$  and  $< 8\%$
- ▶ Excellent mixing performance and effectiveness because of compact form and high speed mixing
- ▶ Filling can vary from 30% of nominal filling degree up to 100%
- ▶ Excellent hygienic properties, because of its round form and complete opening of the mixer outlet
- ▶ Hydraulic driven bomb door for secure closing, to prevent product leakage
- ▶ Depending on the specific features of the blended ingredients and liquids, liquid addition is possible up to 6% of the total volume
- ▶ Accurate liquid dosing due to different nozzle executions
- ▶ Stainless steel liquid spray pipes with pneumatic cleaning function to avoid contamination
- ▶ Efficient production process due to short total batch time
- ▶ Possible start-up under full load
- ▶ Re-adjustable paddle plates for easy maintenance
- ▶ Exchangeable paddle plates for lower maintenance costs

## Features

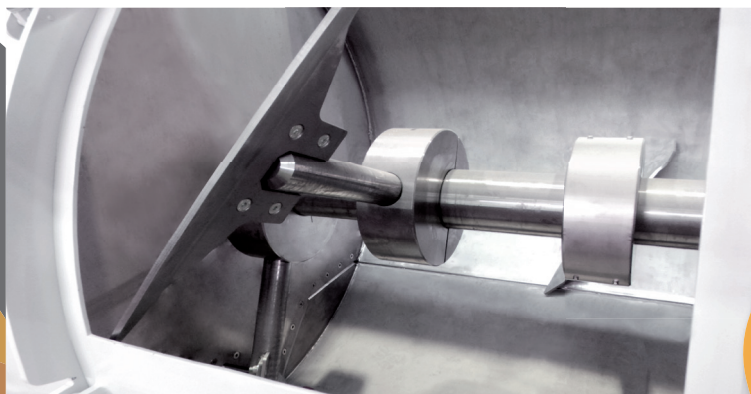
- ▶ Round shape with length–diameter ratio of approximately 1:1
- ▶ Minimum contamination due to absence of dead corners
- ▶ Nominal filling at 70% of the total mixer volume for optimal mixing
- ▶ Large access door with safety switch for cleaning purpose
- ▶ Bomb-door opening in the body is a 90 degree angle
- ▶ Large bomb doors open up to under the head plates to minimize contamination



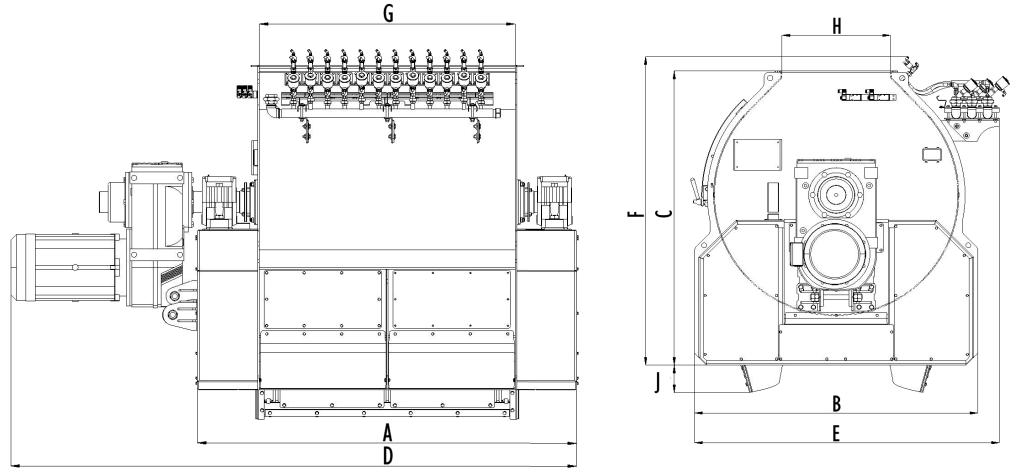
- ▶ Sealing bomb door with scissor and scraping function to prevent leakages due to caking of the product
- ▶ Reliable, shaft mounted gearbox
- ▶ Product contact parts of body and bomb doors made of stainless steel
- ▶ The paddle plates constructed out of wear resistant stainless steel
- ▶ Designed and constructed according to CE and ATEX safety regulations

## Options

- ▶ Bomb-door on top for quick filling of mixer
- ▶ Slides on top for less build in height
- ▶ Pipe connection on top for adding additives (manual or with dosing unit)
- ▶ Main shaft and paddle shaft made of stainless steel
- ▶ Frequency controlled drive for controlled start-up of the mixer
- ▶ De-aeration piping for a controlled airflow, from bin below or above mixer, to the mixer
- ▶ Up to 3 stainless steel liquid spray pipes, mounted to the side of the mixer body; more spray pipes possible, on request
- ▶ The MultiPreMix paddle mixer can be applied in a weighing configuration, for control-weighing

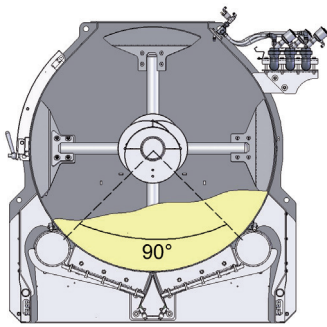
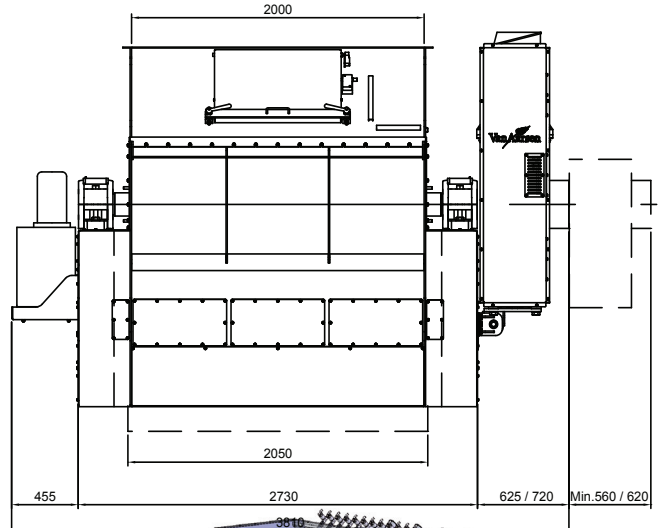
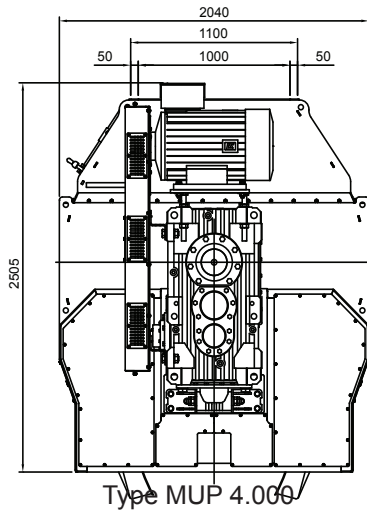


# Datasheet

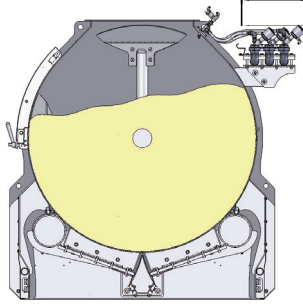


Type	Dimensions for sketch in mm										Bomb door above	Minimum product content	Maximum product content***		Total mixer volume	Total mixer weight	Motor power mixer
	A	B	C	D	E	F	G	H	J	Height			(l)	(kg)			
MUP 1.000	1860	1400	1500	2762	1700/1600/1500**	1650	1200	550	150	n.a.	300	1.000	1.000	1.400	2.700	22/30	
MUP 2.000	2230	1800	1900	3270/3340*	1950/1850/1800**	2000	1500	700	180	700	600	2.000	2.000	2.800	4.600	37/45	
MUP 4.000	Refer to drawing below									650	1.200	4.000	4.000	5.600	6.300	75	

\* Depends on the type of drive  
 \*\* Depends on the number of liquid pipes  
 \*\*\* Kg or liter, whichever comes first, depending on the product density!



Minimum filling  
 \*90° bomb door opening



Maximum (nominal) filling

