Datasheet

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

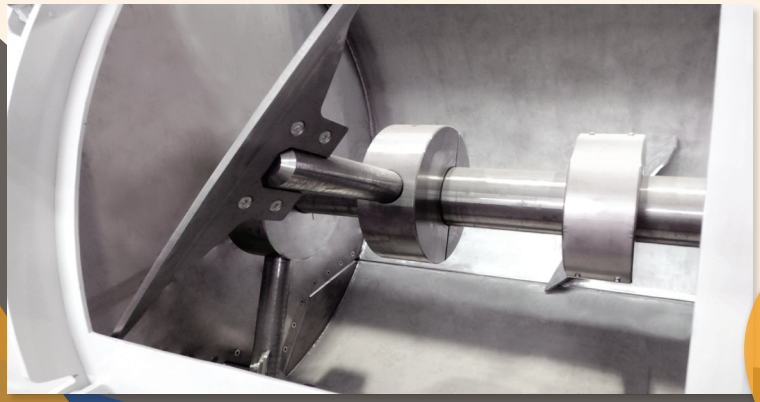
- Fast and accurate homogeneity for feed 1:10.000 or Premix 1:100.000. Probability p > 5% or coefficient of variation cv < 8%
- Excellent mixing performance and effectiveness because of compact form and high speed mixing
- Filling can vary from 30% of nominal filling degree up to 100%
- Excellent hygienic 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
- Sealings 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

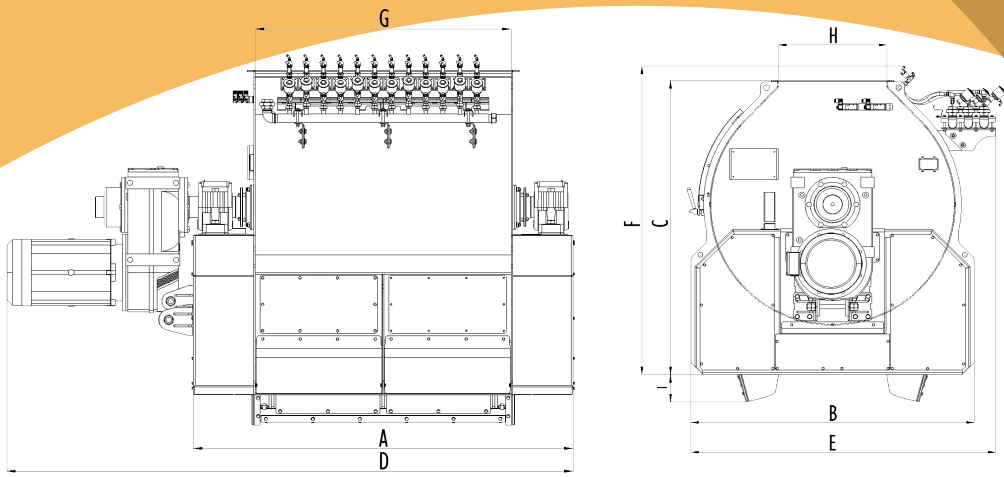
Options

- 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



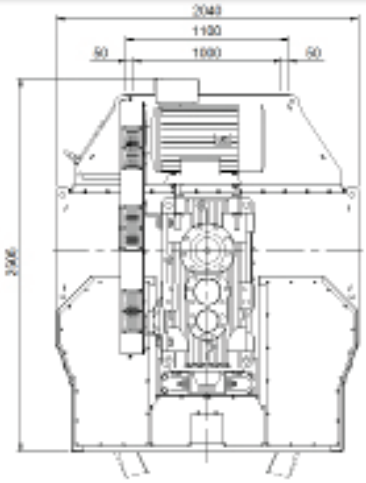
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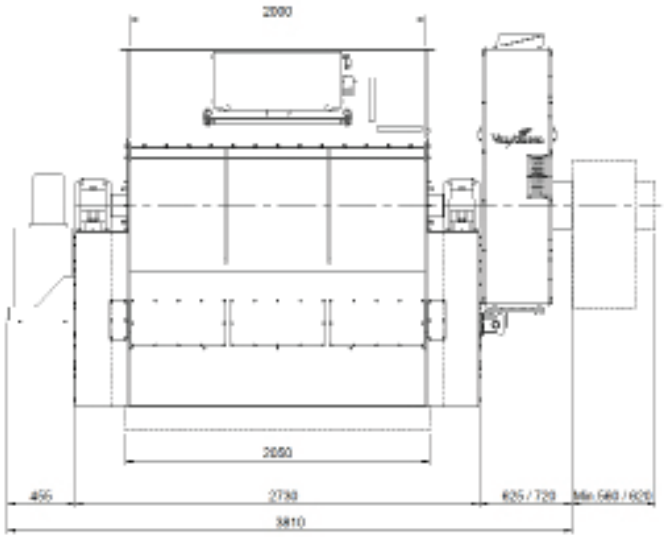


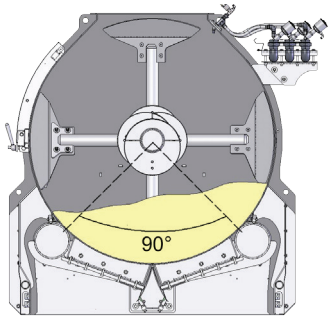
Type			Dimensions for sketch in mm												
	A	B	C	D	E	F	G	H	I	Bomb door above	Minimum product content	Maximum product content***		Total mixer volume	Total mixer weight	Motor power mixer
										Height	(l)	(l)	(kg)	(l)	(kg)	(kW)
MUP 1.000	1860	1400	1500	2762	1700/1600/1500**	1650	1200	550	150	n.a.	300	1.000 Max. density ≤ 1000 kg/m³	1.000	1.400	2.700	22
MUP 2.000	2230	1800	1900	3270/3340*	1950/1850/1800**	2000	1500	700	180	700	600	2.000 P= 37kW Max. density ≤ 800 kg/m³ P=45kW Max. density ≤ 1300 kg/m³	2.000	2.800	4.600	37/45
MUP 4.000	Refer to drawing below									650	1.200	4.000 P=75kW/47rpm Max. density ≤ 800 kg/m³ P=75kW/35rpm Max. density ≤ 1300 kg/m³	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!

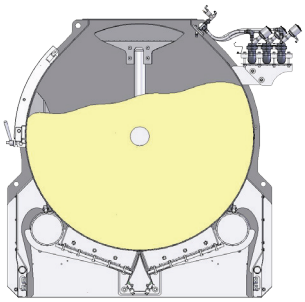


Type MUP 4.000

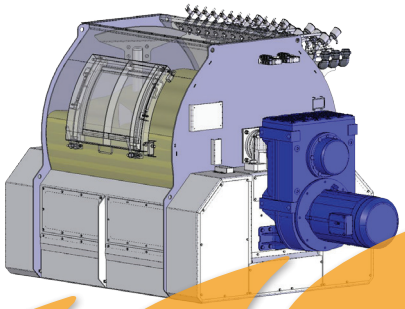




Minimum filling
*90° bomb door opening



Maximum (nominal) filling



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