

Heating Cooling Mixer

with Horizontal Cooler

CONSISTENTLY HIGH PRODUCT QUALITY | SHORT PROCESS CYCLES – HIGH THROUGHPUT



HM+KM H Hot & Cold Mixing Combination

All Advantages at a Glance

- Process-optimized mixing tools for optimum energy input
- Innovative aspiration for optimum dehumidification of the mixture

The Perfect Solution for High Performance Applications with Higher Throughputs

The cooling capacity of the horizontal cooling mixer is very efficient due to its horizontal design. Separate cooling zones spread over the circumference facilitate even and reliable cooling of the mixed material within a short time.

Technical Data

HM+KM Combination Heating Mixer HM + Horizontal Cooling Mixer KM H	RIGID PVC OUTPUT (B.D. 0.5 kg/l)			SOFT PVC OUTPUT (B.D. 0.5 kg/l)		
	Heating Temp.: 120 °C Cooling Temp.: 50 °C (*40°C)			Heating Temp.: 120 °C Cooling Temp.: 60 °C (*50°C)		
	Manual Feeding	Semi-Automatic Feeding	Full-Automatic Feeding	Manual Feeding	Semi-Automatic Feeding	Full-Automatic Feeding
	5 Batch/h (kg/h)	6 Batch/h (kg/h)	8 Batch/h (kg/h)	4 Batch/h (kg/h)	5 Batch/h (kg/h)	7 Batch/h (kg/h)
HM200/KM800H	425	510	680	340	425	595
HM200/KM1200H	*425	*510	*680	*340	*425	*595
HM300/KM1200H	635	762	1016	508	635	889
HM400/KM1200H	850	1020	1360	680	850	1190
HM400/KM2000H	*850	*1020	*1360	*680	*850	*1190
HM500/KM2000H	1060	1272	1696	848	1060	1484
HM500/KM2600H	*1060	*1272	*1696	*848	*1060	*1484
HM600/KM2000H	1275	1530	2040	1020	1275	1785
HM600/KM2600H	*1275	*1530	*2040	*1020	*1275	*1785
HM700/KM2600H	1500	1800	2400	1200	1500	2100
HM700/KM3700H	*1500	*1800	*2400	*1200	*1500	*2100
HM800/KM2600H	N/A	2040	2720	N/A	1700	2380
HM800/KM3700H	N/A	*2040	*2720	N/A	*1700	*2380
HM1000/KM3700H	N/A	2550	3400	N/A	2125	2975
HM1000/KM5000H	N/A	*2550	*3400	N/A	*2125	*2975
HM1200/KM5000H	N/A	3060	4080	N/A	2550	3570
HM1500/KM5000H	N/A	N/A	5096	N/A	N/A	4459
HM1500/KM7000H	N/A	N/A	*5096	N/A	N/A	*4459
HM2000/KM7000H	N/A	N/A	6800	N/A	N/A	5950
HM2000/KM9000H	N/A	N/A	*6800	N/A	N/A	*5950
HM2500/KM9000H	N/A	N/A	8480	N/A	N/A	7420



Custom Solutions

Additional sizes and execution available on request. Get in touch!

The data shown in the tables are indicative and must be confirmed by MIXACO.

Attention to Details

Heating Mixer HM

Type HM	Total Volume	Usable Volume	Motor Power	Boost Motor Power
	liters	liters	kW	kW
HM 200	200	170	45	55
HM 300	300	255	75	90
HM 400	400	340	90	110
HM 500	500	425	110	132
HM 600	600	510	132	160
HM 700	700	595	160	200
HM 800	800	680	200	250
HM 1000	900	850	200	250
HM 1200	1200	1020	250	315
HM 1500	1500	1275	315	400
HM 2000	2000	1700	500	575
HM 2500	2500	2125	600	700

Solutions to Maximize Your Production

Due to its unique design, the MIXACO Heating Mixer combines high throughput with fast homogenization and heating.



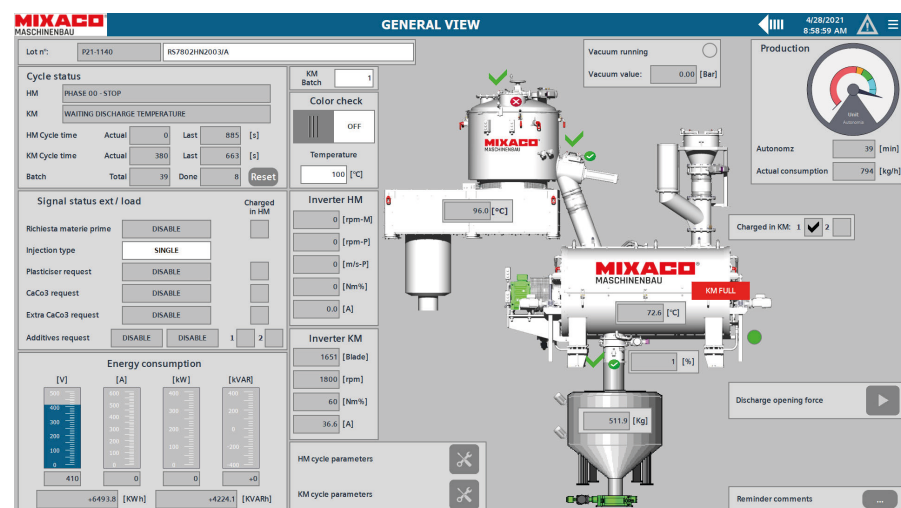
Horizontal Cooler KM H

Type KM H	Total Volume	Usable Volume	Motor Power	Boost Motor Power
	liters	liters	kW	kW
KM 800 H	800	480	7.5	11
KM 1200 H	1200	720	11	15
KM 2000 H	2000	1200	18.5	22
KM 2600 H	2600	1560	22	30
KM 3700 H	3700	2220	30	37
KM 5000 H	5000	3000	55	75
KM 7000 H	7000	4200	75	90
KM 9000 H	9000	5400	90	110

Thanks to the high surface area of heat exchange (vessel + sides + lid), and the action of the main agitator that ensures an intense contact of the dry-blend with the exchange surface, coolers KM H guarantee the lowest final cooling temperature so as to be able to store dry-blend into intermediate storage silos thus avoiding the formation of lumps due to thermal inertia of the dry-blend.

Visualization

The informative and clear MIXACO process visualization on the operating panel ensures that the entire combined heating-cooling mixer can be safely and reliably operated.



HM+KM H Hot & Cold Mixing Combination

All surfaces in contact with the product are made of stainless steel finely polished to provide easy cleaning and to prevent the buildup of material.

Control

- Siemens S7-1500 PLC: Meet today's requirements for safety, efficiency and cost-effectiveness
- Remote maintenance module enables fast and secure access
- The informative and clear MIXACO process visualization on the operating panel ensures that the entire combined heating-cooling mixer can be safely and reliably operated