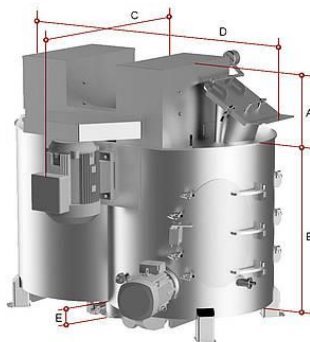


Data sheet vertical mixer / vertical twin-shaft mixer type HM

Vertical twin-shaft mixer Type HM The type designation is equal to the batch size in liters. Ideal mixing even at low filling levels. Intermediate sizes are available in 100 liter steps.		Approximate gross volume of the mixer	A	B	C	D	E	The rotational frequency can vary widely from about 0,8 m/s to about 3,5 m/s. Usually vertical twin-shaft-mixers operate at low speed. about		The drive power required can vary widely depending on the bulk density, flow characteristics, rotational frequency and the processing task (such as deagglomeration).		Weight may vary considerably depending on the size of the drive and the type of design. The additional dynamic loads are very low.
			Approximate dimensions Please ask for detailed dimension sheets!					from	to	from	to	
			Liter = dm ³	Feet ³	Liter	mm	mm	mm	mm	mm	Rotation per Minute	
100	3,5	130	300	480	800	825	145	34	114	1	5	900
200	7,1	270	350	580	1000	1000	145	27	91	3	11	1000
400	14,1	530	420	745	1200	1250	145	21	71	6	25	1300
500	17,7	660	450	870	1550	1000	145	19	66	8	31	1040
600	21,2	790	450	840	1300	1450	145	18	62	10	36	1600
800	28,3	1050	450	900	1350	1550	145	17	58	13	47	2000
1000	35,3	1310	550	1000	1500	1700	145	16	54	16	56	3000
1500	53,0	1950	550	1000	1600	1900	145	14	46	20	72	3500
2000	70,6	2600	600	1260	1850	2150	145	12	41	24	85	4500
2500	88,3	3250	600	1220	2000	2450	145	11	39	29	101	5800
3000	105,9	3890	600	1420	2000	2450	145	11	37	33	114	6200
4000	141,3	5180	700	1560	2300	2700	145	10	33	38	133	6500
5000	176,6	6470	750	1670	2400	2900	145	9	32	46	160	6800
6000	211,9	7760	750	1800	2600	3100	145	9	30	51	177	8000
7000	247,2	9040	800	1880	2700	3200	145	8	28	55	190	8500
8000	282,5	10330	800	1850	2800	3400	145	8	26	57	198	9500
10000	353,1	12890	900	2100	3000	3600	145	7	25	68	234	11000
12000	423,8	15460	900	2100	3100	3900	145	7	23	73	252	13000
15000	529,7	19300	900	2200	3200	4400	145	6	21	82	281	18000
20000	706,3	25700	900	2600	3800	5600	145	6	20	101	346	32000
Usually the vessel dimensions are relatively cubic, so that the height of the cylinder corresponds to the diameter. If desired, amixon® can modify the proportions: "low profile" if the height is limited or "slim profile" if the available ground area is limited.												
As a welding specialist, amixon® is qualified by European, Japanese and American authorities with regard to different materials. The materials in contact with the mixing goods are either mild steel S355J2Ge, Hardox, austenitic stainless steels 1.4301, 1.4541, 1.4571, 1.4404, 1.4539, 1.4529, Duplex stainless steels 1.4462, 1.4162, 1.4363, and Alloy 59-2.4605, Hastelloy C22 and nickel.												
The mixers meet the highest hygienic requirements and comply with the EHEDG guidelines for dry and wet cleaning. The mixers also meet the FDA hygiene guidelines and the design requirements of 3-A Sanitary Standards.												



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