

Data sheet vertical single-shaft mixer / ribbon blender type VM

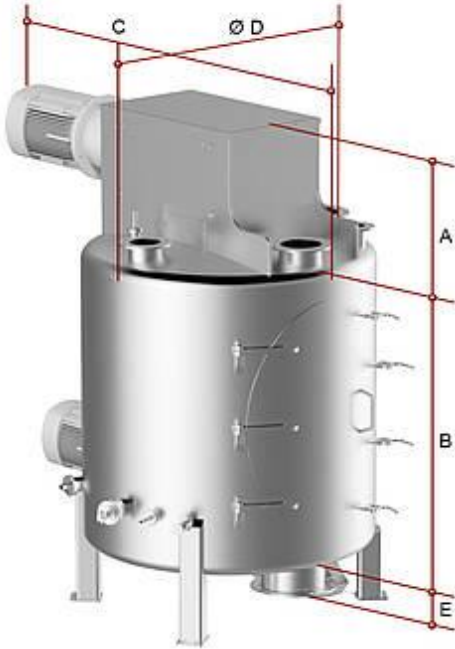
Vertical single-shaft mixer Type VM The type designation is equal to the batch size in liters. Ideal mixing even at low filling levels. Intermediate sizes are available in 100 liter steps.		Approximate gross volume of the mixer	A	B	C	D	E	The rotational frequency can vary widely from about 0,8 m/s to about 3,5 m/s. Usually vertical single-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 of the standard machines 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	350	624	1200	620	145	28	105	1	5	560
200	7,1	260	420	774	1300	770	145	22	83	3	8	680
300	10,6	390	450	724	1400	900	145	19	73	5	15	720
400	14,1	520	450	904	1400	900	145	17	66	7	21	800
500	17,7	650	450	894	1550	1020	145	16	61	8	27	1200
600	21,2	780	480	1030	1700	1000	145	15	57	10	31	1400
800	28,3	1040	500	980	1850	1200	145	14	52	12	40	1700
1000	35,3	1300	550	1210	1900	1200	145	13	48	14	48	2000
1500	53,0	1950	600	1380	2200	1370	145	11	42	19	64	2560
2000	70,6	2600	700	1530	2300	1510	145	10	38	22	78	3200
2500	88,3	3250	730	1570	2400	1550	145	10	35	26	90	3500
3000	105,9	3890	750	1750	2600	1730	145	9	33	29	101	4000
4000	141,3	5180	750	1910	2900	1890	145	8	30	34	120	4240
5000	176,6	6470	850	2050	3200	2030	145	8	28	38	137	5840
6000	211,9	7760	850	2190	3200	2170	145	7	26	43	153	6240
7000	247,2	9040	900	2090	3400	2424	145	7	25	47	167	6800
8000	282,5	10330	900	2410	3400	2394	145	6	24	50	180	7600
9000	317,8	11610	1000	2040	3750	2824	145	6	23	54	193	8000
10000	353,1	12890	1100	2200	4100	2824	145	6	22	57	205	8800
12000	423,8	15460	1100	2540	4100	2824	145	6	21	63	227	10400
15000	529,7	19300	1100	3150	4400	2824	145	5	19	71	257	12000
17000	600,3	21860	1250	2850	4500	3194	145	5	19	76	275	13600
20000	706,3	25700	1500	2750	4800	3454	145	5	18	83	300	16000
25000	882,9	32080	1600	3600	5100	3454	145	4	16	94	339	20800
30000	1059,4	38470	1600	4170	5100	3454	145	4	15	104	374	24800
40000	1412,6	51210	1600	4300	5300	3844	145	4	14	121	436	33600
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 Standard.												

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