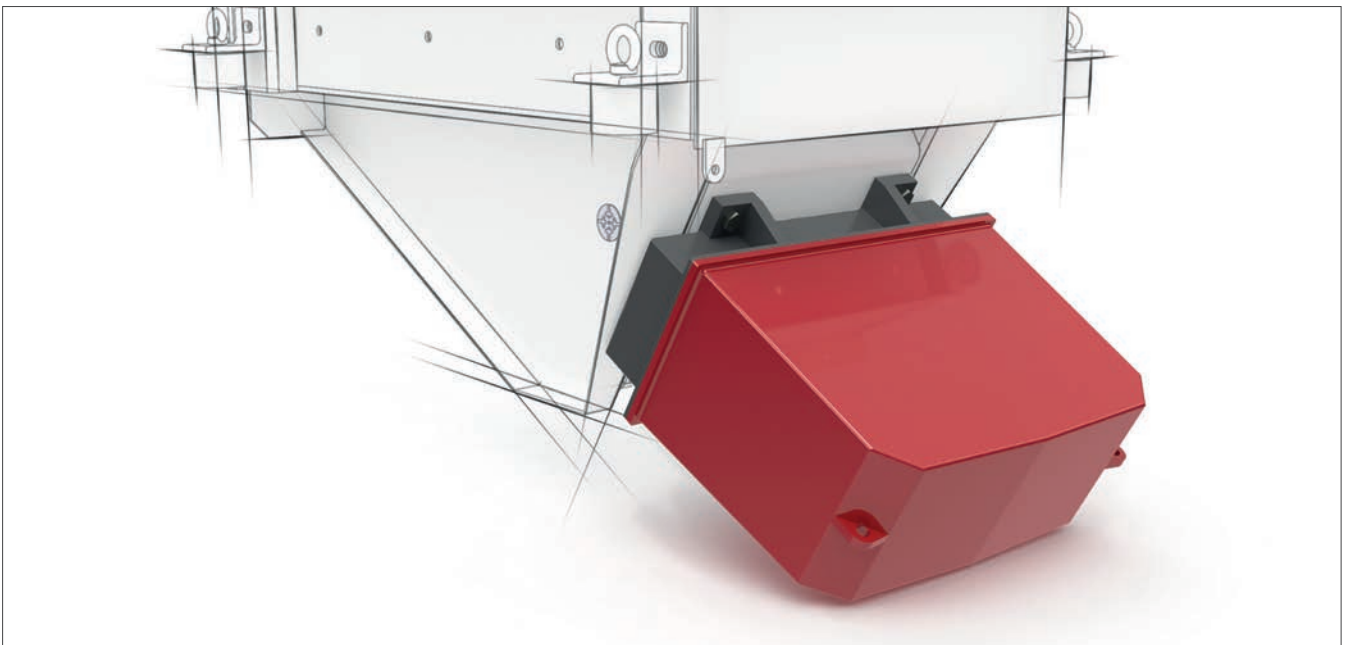


Electromagnetic Vibrators

Series MS

The electromagnetic vibrators generate linear motions and are operated at motions frequencies of 50 and 25 Hz or at 60 and 30 Hz.



Conveying, dosing, drawing off

MS drive units are used in various industries for medium duty dosing, draw-off and conveying applications. The drive units are also suitable for clock cycle operation because the maximum motion amplitude is reached as soon as it is started and it comes to a stop immediately after being switched off.

Operational reliability

Tried-and-tested, reliable engineering together with robust, practical field-tested designs provide high operational reliability, even under the most difficult conditions in central lines. All MS electromagnetic vibrators are EMC-compatible.

Continuous control

The motion amplitude can be continuously controlled during the operation of all JVM® electromagnetic vibrators. Therefore the feed rate can be easily adjusted to the current requirements. We have summarised information on the required thyristor controller on page 25.

Flexibility

In order to allow the motion frequency to be changed after installation, the drives have been designed in such a way that they are interchangeable within a construction size in the motion frequencies.

A brand of the

JOST® group

JÖST GmbH + Co. KG, Germany
 Gewerbestraße 28 - 32, 48249 Dülmen

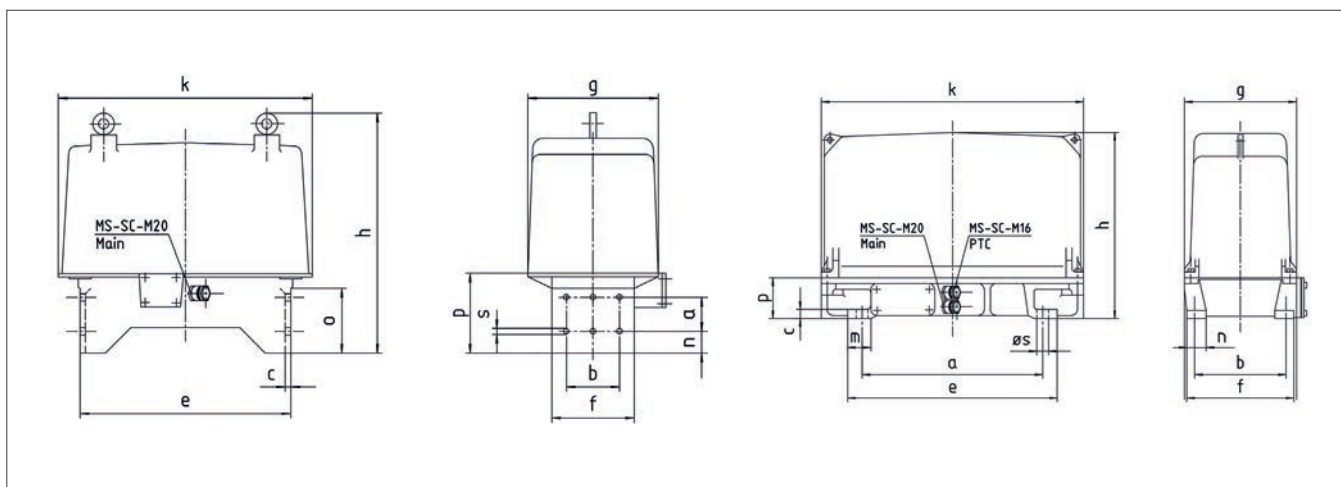
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Electromagnetic Vibrators

Series MS



Type		a	b	c	e	f	g	h	k	m	n	o	p	ø s
MS	3...	230	160	18	262	192	215	390	450	45	45	-	83	4 x 11
MS	4...	230	160	18	262	192	215	390	450	45	45	-	83	4 x 11
MS	5...	230	200	18	264	234	245	407	507	47	42	-	83	4 x 13
MS	6...	330	250	25	374	294	262	480	572	70	70	-	97	4 x 18
MS	7...	450	200	28	494	244	330	420	640	70	70	-	105	4 x 18
MS	8...	500	290	27	580	346	395	560	775	89	73	-	137	4 x 22
MS	10...	100	200	21	800	290	490	870	960	-	50	210	300	12 x 22

Dimensions in mm

TYPE CODE	MS	5	-	50	400V	50Hz
	↓	↓		↓		
	Type	Size		Vibrating Frequency		

Main Frequency	Type	Size	Vibrating Frequency	Effective Weight			Stroke			Weight	Rated Current			Rated Current		Control Unit
			Hz	min. kg		max. kg	max. mm		min. mm	kg	230 V A	400 V A	500 V A	400 V A	460 V A	Type
50 Hz	MS	3	- 50	16	-	48	2,0	-	1,0	42	5,7	3,0	2,5			JT 14
	MS	4	- 50	30	-	89	2,0	-	0,9	53	7,0	3,7	3,2			JT 14
	MS	5	- 50	53	-	155	2,1	-	1,0	88	9,8	5,2	4,4			JT 14
	MS	6	- 50	102	-	255	1,9	-	1,0	130	18,0	9,5	8,0			JT 26/14
	MS	7	- 50	130	-	305	2,2	-	1,1	134	-	12,7	10,8			JT 14
	MS	8	- 50	210	-	520	2,2	-	1,1	296	-	23,0	19,4			JT 26
	MS	10	- 50	570	-	1.300	1,7	-	0,9	695	-	42,0	35,5			JT 45
	MS	30	- 50	44	-	153	1,1	-	0,4	44	5,7	3,0	2,5			JT 14
	MS	40	- 50	85	-	189	1,0	-	0,5	57	7,0	3,7	3,2			JT 14
	MS	50	- 50	158	-	380	1,1	-	0,5	92	9,8	5,2	4,4			JT 14
	MS	60	- 50	230	-	570	1,1	-	0,5	142	18,0	9,5	8,0			JT 26/14
	MS	70	- 50	280	-	760	1,2	-	0,5	134	-	12,7	10,8			JT 14
	MS	80	- 50	580	-	1.300	1,0	-	0,5	310	-	23,0	19,4			JT 26
	MS	3	- 25	13	-	48	4,0	-	1,9	37	6,2	3,3	2,8			JT 14
	MS	4	- 25	33	-	93	4,0	-	1,8	50	6,6	3,5	3,0			JT 14
	MS	5	- 25	47	-	135	5,1	-	2,3	75	12,6	6,7	5,7			JT 14
	MS	6	- 25	82	-	230	4,4	-	2,0	110	19,2	10,2	8,6			JT 26/14
	MS	8	- 25	190	-	450	4,2	-	2,4	285	-	30,0	25,5			JT 45/26
	MS	10	- 25	600	-	1.300	3,8	-	2,1	680	-	60,0	51,0			JT 70
60 Hz	MS	3	- 60	17	-	45	1,6	-	0,9	45				2,5	2,1	JT 14
	MS	4	- 60	37	-	82	1,5	-	0,8	58				2,9	2,5	JT 14
	MS	5	- 60	63	-	153	1,7	-	0,9	95				5,6	4,7	JT 14
	MS	6	- 60	115	-	251	1,5	-	0,8	140				9,5	8,0	JT 14
	MS	7	- 60	180	-	345	1,5	-	0,9	135				13,0	11,0	JT 14
	MS	8	- 60	215	-	570	1,7	-	0,8	224				19,0	16,0	JT 26
	MS	30	- 60	43	-	153	1,0	-	0,4	50				2,5	2,1	JT 14
	MS	40	- 60	82	-	190	0,9	-	0,5	62				2,9	2,5	JT 14
	MS	50	- 60	153	-	380	1,1	-	0,5	102				5,6	4,7	JT 14
	MS	60	- 60	225	-	570	0,9	-	0,4	105				9,5	8,0	JT 14
	MS	3	- 30	15	-	52	3,2	-	1,5	39				4,50	3,8	JT 14
	MS	4	- 30	33	-	93	3,2	-	1,5	51				4,80	4,0	JT 14
	MS	5	- 30	55	-	135	3,4	-	1,7	78				5,50	4,6	JT 14
	MS	6	- 30	93	-	230	3,3	-	1,6	120				13,0	11,0	JT 14
	MS	8	- 30	204	-	517	3,2	-	1,6	290				32,0	27,0	JT 45

Maintenance-free

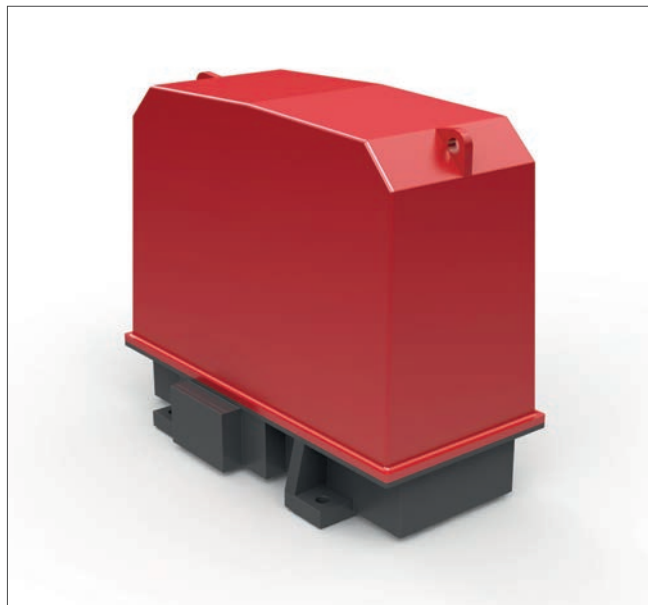
The use of high quality components means that JVM[®] electromagnetic vibrators are maintenance-free and easy to install. Special lifting eyes make transport easy, eliminating the need to remove the hoods.

Adapted model series

MS drive units are available in seven sizes, and also in models for higher effective weights at lower motion amplitudes (MS 30...80). This broad range enables the optimum drive to be selected for the particular application requirements.

The data

We would also be happy to provide you with further details or inform you about special models built to your specifications.



Connection	Via thyristor controller JT 230/400V 50Hz, 460V 60Hz
Switch-on time	100% (operating mode S1)
Protection System	IP 65 as per EN 60 529
Explosion proof models	ATEX II 3 DG cCSAus, UL Cl. I Div. 2 Gr. B, C, D cCSAus, UL Cl. II Div. 1 Gr. E, F, G
Options	Special voltages and executions