

# Magnetic Vibrators with Vibration Frequency of 50 Hz

Type	Main voltage	Protection to EN 60529	Range of working weight		Vibration <sup>1)</sup> stroke		Transport velocity <sup>1)+2)</sup>		Rated current	Active power <sup>3)</sup>
	[V]		[kg] from	to	[mm] from	to	[cm/sec] from	to	[A]	[W]
50 Hz (in a 50 Hz net)										
MV 6/50-1	220-240	IP 65	1	6	1.05	0.60	Impact vibrator		0.5	25
MV 12/50-3	220-240	IP 55	6	18	1.75	0.95	19.8	9.7	2.4	50
MV B 50-4	220-240	IP 55	10	20	1.80	1.00	19.7	9.7	2.0	30
MV C 50-4	220-240	IP 55	15	40	1.75	1.00	19.1	9.7	3.5	55
	380-420	IP 55	15	40	1.75	1.00	19.1	9.7	2.1	55
	480-520	IP 55	15	40	1.75	1.00	19.1	9.7	1.6	55
MV C 50-4.1	220-240	IP 55	40	100	1.15	0.55	11.6	2.5	3.5	55
	380-420	IP 55	40	100	1.15	0.55	11.6	2.5	2.1	55
	480-520	IP 55	40	100	1.15	0.55	11.6	2.5	1.6	55
MV D 50-4	220-240	IP 55	35	150	1.70	0.60	18.9	2.8	6.8	65
	380-420	IP 55	35	150	1.70	0.60	18.9	2.8	4.0	65
	480-520	IP 55	35	150	1.70	0.60	18.9	2.8	2.9	65
MV E 50-4	220-240	IP 55	70	250	1.75	0.70	19.3	4.4	12.7	125
	380-420	IP 55	70	250	1.75	0.70	19.3	4.4	6.8	125
	480-520	IP 55	70	250	1.75	0.70	19.3	4.4	5.3	125
MV ES 50-1	220-240	IP 55	115	350	1.85	0.75	19.1	5.1	17.0	220
	380-420	IP 55	115	350	1.85	0.75	19.1	5.1	10.0	220
	480-520	IP 55	115	350	1.85	0.75	19.1	5.1	10.0	220
MV ES 50-1P	220-240	IP 55	115	350	2.00	0.90	20.7	7.9	17.0	220
	380-420	IP 55	115	350	2.00	0.90	20.7	7.9	10.0	220
	480-520	IP 55	115	350	2.00	0.90	20.7	7.9	10.0	220
MV FS 50-2	380-420	IP 55	170	600	1.95	0.75	20.1	5.3	16.0	280
	480-520	IP 55	170	600	1.95	0.75	20.1	5.3	16.0	280
MV FS 50-2P	380-420	IP 55	170	600	2.30	0.90	20.7	7.9	16.0	280
	480-520	IP 55	170	600	2.30	0.90	20.7	7.9	16.0	280
<b>MV G 50-2</b>	<b>380-420</b>	IP 55	180	450	2.10	1.00	20.4	10.9	21.0	280
	480-520	IP 55	180	450	2.10	1.00	20.4	10.9	16.0	280
MV G 50-11	380-420	IP 55	180	450	2.20	1.10	20.6	11.4	21.0	300
	480-520	IP 55	180	450	2.20	1.10	20.6	11.4	16.0	300
MV H 50-1	380-420	IP 55	520	1,200	1.80	1.00	19.4	9.7	41.0	630
	480-520	IP 55	520	1,200	1.80	1.00	19.4	9.7	32.0	630
	1,000	IP 55	520	1,200	1.80	1.00	19.4	9.7	17.0	630

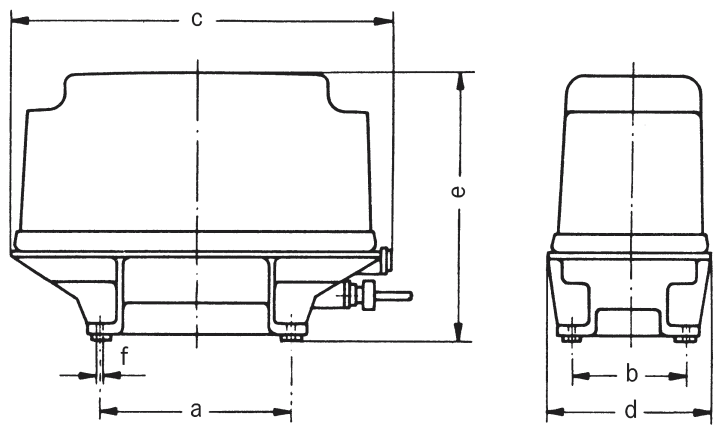
<sup>1)</sup> For operation with an AViTEQ-controller

<sup>2)</sup> Theoretical transport velocity referred to defined reference bulk material (sand) with the following parameters:  
material density 1.6 t/m<sup>3</sup>, grain size 3-10 mm, 8% product moisture,  
with approx. cubic grains, at 200 mm layer height, without bunker pressure, in horizontal device mounting

<sup>3)</sup> The specified real power refers to vibrating conveyor without the influence of the material to be conveyed. The real power may increase by a factor of 5 depending on the type and height of the load

<sup>4)</sup> PAL is a sensor integrated into the magnetic vibrator; together with an appropriate controller, it forms a closed-loop control circuit for the internal vibration stroke, enabling performance optimisation

All magnetic vibrators are sprayed in a standard colour of RAL 5018



PAL<sup>4)</sup> Possible controller Weight Dimensions

		[kg]	[mm]					Ø f	Screws
			a	b	c	d	e		
	A B C E	6.5	240	-	265	138	140	11.0	M10
	A B C E	18	210	125	300	198	227	11.0	M10
	A B C E	14	Sidewise mounting		238	140	150	-	M12
	A B C E	39	210	125	420	180	280	11.5	M10
	B C E	39	210	125	420	180	280	11.5	M10
	B C E	39	210	125	420	180	280	11.5	M10
	A B C E	42	210	125	420	180	280	11.5	M10
	B C E	42	210	125	420	180	280	11.5	M10
	B C E	42	210	125	420	180	280	11.5	M10
	B C E	63	210	125	445	220	332	11.5	M10
	B C E	63	210	125	445	220	332	11.5	M10
	B C E	63	210	125	445	220	332	11.5	M10
	B C E	99	300	190	480	225	425	18.0	M16
	B C E	99	300	190	480	225	425	18.0	M16
	B C E	99	300	190	480	225	425	18.0	M16
	C E	125	300	190	535	255	425	18.0	M16
	B C E	125	300	190	535	255	425	18.0	M16
	B C E	125	300	190	535	255	425	18.0	M16
●	D F	125	300	190	535	255	425	18.0	M16
●	D F	125	300	190	535	255	425	18.0	M16
●	D F	125	300	190	535	255	425	18.0	M16
	C E	250	350	240	640	340	545	22.0	M20
	C E	250	350	240	640	340	545	22.0	M20
●	D F	250	350	240	640	340	545	22.0	M20
●	D F	250	350	240	640	340	545	22.0	M20
	C E	310	500	280	925	340	550	27.0	M24
	C E	310	500	280	925	340	550	27.0	M24
	C E	270	500	280	855	345	520	27.0	M24
	C E	270	500	280	855	345	520	27.0	M24
	C E	700	420	420	1,000	570	665	33.0	M30
	C E	700	420	420	1,000	570	665	33.0	M30
	C E	700	420	420	1,000	570	665	33.0	M30

- = PAL (vibration stroke transducer) integrated
- A = Controller (Series SRA)  
analog, with compensation of fluctuations in the main voltage
- B = Controller (Series SC)  
analog, with compensation of fluctuations in the main voltage
- C = Controller (Series SA)  
analog, with compensation of fluctuations in the main voltage,  
effective amplitude control in connection with external oscillation pick-up (PA) possible
- D = Controller (Series SA)  
analog, with compensation of fluctuations in the main voltage,  
control of the total internal amplitude with integrated oscillation pick-up (PA) possible
- E = Controller (Series SD)  
digital, with compensation of fluctuations in the main voltage,  
effective amplitude control with external oscillation pick-up (PA) possible
- F = Controller (Series SD)  
digital, with compensation of fluctuations in main voltage,  
control of the total internal amplitude with integrated oscillation pick-up (PA) possible