

- Hydraulic Vibrator (80 bar)
- Rotary Vibration
- Centrifugal Force 7.320 to 49.210 N
- Adjustable Frequency
- Mounting by brackets, bolts or flange

Powerful hydraulic driven rotary vibrator

Often used on trucks and construction vehicles, for emptying and reducing friction on adhesive materials

Very mobile unit with easy mounting for fast re-positioning

Frequency is continuously variable via volume flow rate

Technical Specifications

Type	Unbalance adjustment**	Working Moment [cmkg]	Starting Pressure [bar]	Frequency*	Flow Volume [l/min]	Centrifugal Force [N]	Frequency*	Flow Volume [l/min]	Centrifugal Force [N]	Weight [Kg]
CC 2.8-5HB CV 2.8-5HB CCV 4-5HB DV 4-5HB	1	18,3	13	2.700	15,5	7.320	4.400	26,5	19.430	
	2	18,0	12	2.800	15,9	7.740	4.500	25,7	19.990	17,0
	3	16,9	10	2.800	17,0	7.270	4.600	26,9	19.610	16,5
	4	15,3	9	3.300	18,9	9.140	4.800	27,3	19.330	20,0
	5	12,8	9	3.800	21,6	10.140	5.000	28,8	17.550	19,0
	6	9,8	7	4.000	22,7	8.600	5.400	30,3	15.670	
CCV 6-12-8HA DV 6-12-8HA	0 – 100%	28	8	2.750	34,0	11.610	3.500	45,8	18.810	39,0
										44,7
CCV 6-25-8HA DV 6-25-8HA	0 – 100%	59	9	2.500	30,7	20.220	3.900	43,5	49.210	40,4
										46,1
CCV 6-50-8HA DV 6-50-8HA	0 – 100%	119	11	1.750	23,5	19.980	2.600	34,1	44.110	44,2
										49,9

CC = mounting with bracket NVH
CCV = mounting with attachment screw
DV/CV = mounting with flange screw
5 HB/8 HA = hydraulic motor

* Notice: Hydraulic external vibrators for higher frequency see leaflet series NHG.

**The working moment of series CC, CV, CCV and DV 2.8/4 is adjustable in 6 steps

Hydraulic Vibrator CC CV CCV DV

Application

These hydraulic vibrators series CV, CC, CCV and DV are especially suitable to unload rail wagons and bulk hoppers as well as for the sieving and compacting of different materials.

Trucks and tractors which use hydraulic energy for dumping and lifting, are sources of hydraulic power.

A special feature of CC/CCV vibrators is the quick manual repositioning.

Design & functioning

The vibration (circular) is produced by unbalance pairs with double bearings.

The frequency and thus the centrifugal force are continuously adjustable by the volume flow. The hydraulic external vibrators generate high amplitudes with low frequencies.

The working moment of series CC, CV, CCV and DV 2.8/4 is adjustable in 6 steps.

The working moment of series DV 6–12, –25 and –50 is continuously adjustable. The only difference between the units is the execution of the housings. The vibrators generate very high forces in proportion to their weight.

Permissible operating conditions

Drive medium:

Hydraulic oil (clean and filtered) DIN 51524/25 or motor oil DIN 51511

Operating pressure:

Max. 80 bar inlet, max. 2 bar outlet.

Ambient temperature:

– 20°C to 60°C

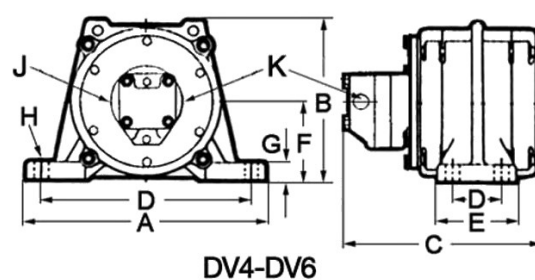
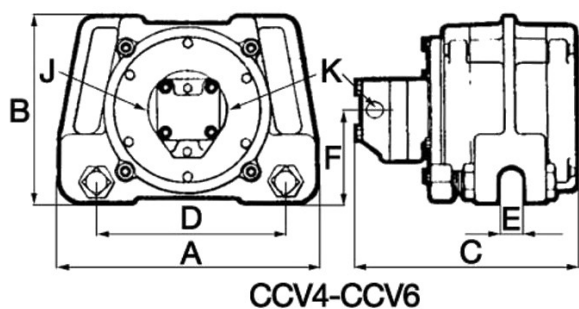
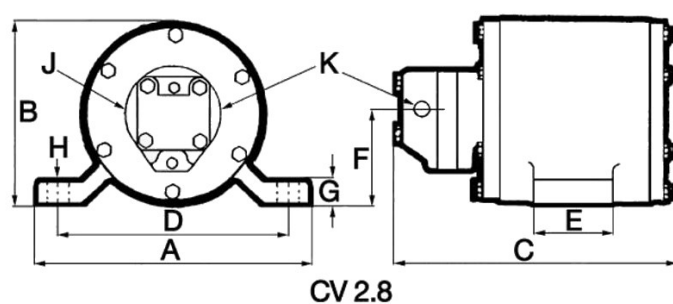
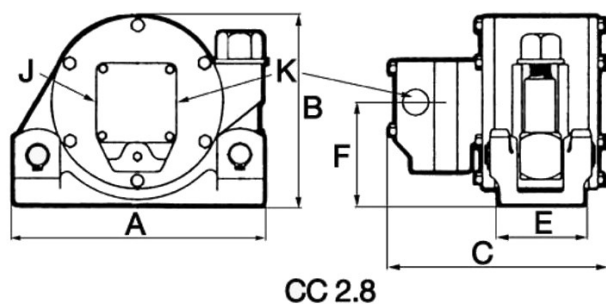
Mounting

CC – Mounting with the NVH bracket

CV – Mounting with flange and bolts

CCV – Mounting with bolts

DV – Mounting with flange and bolts



Dimensions

Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Inlet J	Outlet K
CV 2.8	250,8	174,6	249,2	203,2	76,2	87,3	23,8	22,0	3/4"	1/2"
CC 2.8	228,6	181,0	214,3	-	76,2	87,3	-	-	3/4"	1/2"
CCV 4	292,1	209,6	244,5	209,6	23,8	104,8	-	-	3/4"	1/2"
DV 4	304,8	206,4	244,5	4 Bores: 63,5 x 266,7	101,6	101,6	22,2	16,5	3/4"	1/2"
CCV 6	368,3	287,3	320,7	285,8	25,4	142,9	-	-	3/4"	1/2"
DV 6	457,2	279,4	320,7	6 Bores: 50,8 x 50,8 x 406,4	152,4	141,3	28,6	22,0	3/4"	1/2"

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