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Hydraulic External Vibrators Series CC, CV, CCV and DV



- Driven by flanged hydraulic motor
- Nominal frequency from 1.750 min^{-1} to 5.400 min^{-1}
- Centrifugal force from 7.320 N to 49.210 N
- Frequency continuously adjustable by hydraulic pressure
- High working moment, high amplitude
- Low unit weight combined with high capacity
- Mounting by attachment screw (CCV), bracket (CC) or flange (CV/DV)



CV 2.8



CC 2.8



CCV 6



DV 6



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Type	Unbalance adjustment **	Working moment [cmkg]	Starting pressure [bar]	Frequency* [U/min]	Volume flow [l/min]	Centrifugal force [N]	Frequency* [U/min]	Volume flow [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

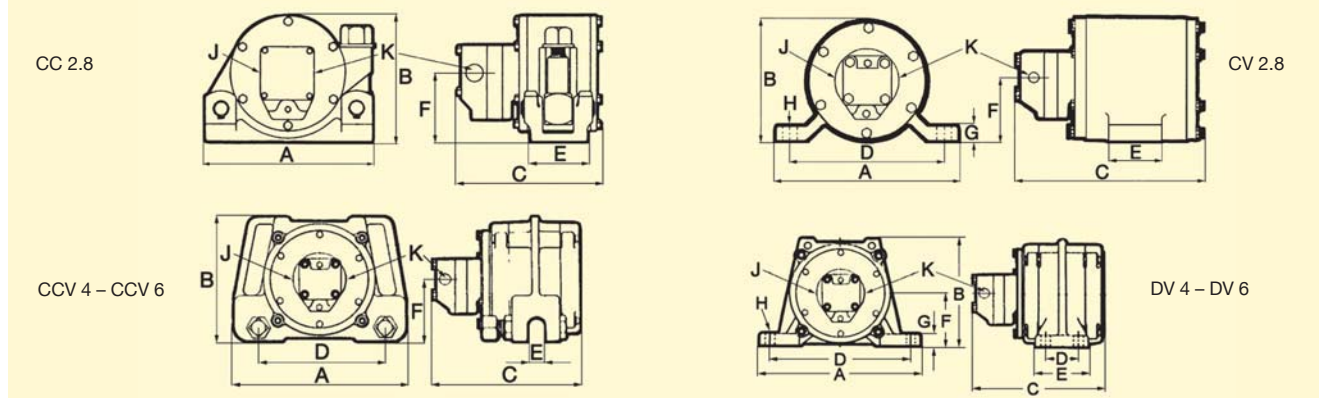
CC = mounting with bracket NVH
CCV = mounting with attachment screw

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.

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Outlet J	Inlet 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	241,3	-	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"



Application

Hydraulic external 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 and functioning principle

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

NetterVibration offers the accessories required for the mounting, installation, control and monitoring of vibrators and impactors.

Netter provides solutions.

Consult our experienced application technicians.

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