



Pump Vibration 101

Contributed by Zoeller Engineering Department

Since the last time we published this list in January 2001 we have expanded the 71 series grinder line with both reversing models and high flow models. For applications where a lift station would handle more than 60 homes, a solids handling type pump should be considered.

These recommended application limits are for pump stations pumping to a gravity main. Low-pressure pipe systems should be designed with a pump located at each house.

Model	HP	Simplex Station		Duplex Station	
		Homes	GPD	Homes	GPD
7020 Progressing Cavity	1	1	400	2	800
7021 Progressing Cavity	2	1	400	2	800
7010	2	1	400	2	800
7011 w/o reversing control	2	2*	800	10	4,000
7011 w/ reversing control	2	2*	800	15	6,000
7012	2	2*	800	10	4,000
7013	2	2*	800	10	4,000
7110 High Head	3	2*	800	20	8,000
7111 High Head	5	2*	800	25	10,000
7112 High Head	7.5	2*	800	30	12,000
7110 Reversing	3	2*	800	30	12,000
7111 Reversing	5	2*	800	38	15,000
7112 Reversing	7.5	2*	800	45	18,000
7110 High Flow	3	2*	800	40	16,000
7111 High Flow	5	2*	800	50	20,000
7112 High Flow	7.5	2*	800	60	24,000

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*Zoeller Company does not recommend a simplex station on anything over two homes in order to maintain continuous service during unusual conditions.