

4508 Vertical Sump Pumps

Capacities to 280 GPM
Heads to 60 Feet

Deming Vertical Sump Pumps have been designed to fill the demand for a reliable, yet inexpensive unit, where a big industrial sump pump is larger than needed and a cellar drainer is too small.

Flexible coupling connects motor shaft and pump shaft. Pump shaft is ground and polished and is supported by a heavy duty, ball thrust bearing enclosed in a dust and water tight housing above the support plate. Impeller is semi-open.

Type A is furnished complete with discharge pipe extending through a split cover plate.

Type B is furnished without cover plate and without discharge pipe, so that the unit can be placed on the floor of the pit.

Type B can be easily converted to Type A by removing the base ring and adding the split cover plate and discharge piping. 20" or 28" cast iron split cover plate is made in halves and bolted together to fit bell of an 18" or 24" tile. Motors furnished are for 115/230 volts single phase or 230/460 volts, 3 phase, 60 cycle, 1750 RPM, as required.

A float switch, furnished as regular equipment, will automatically start and stop the unit. An overload relay is provided in drip proof single phase motors through 1 HP only. Protection for other motors must be provided by magnetic across-the-line starter. Furnished for sump depths up to 10' only.

Duplex assemblies include two standard Type A pumps with 40" diameter pit cover, manhole and single alternator float control.



Float Ball
Shipped
Separately

Type A

Deming 4508 Series

Total Head in Feet with 1750 RPM, 60 Cycle Motors																							
Capacities in GPM	Discharge Pipe Size (inches)	10		15		20		25		30		35		40		45		50		55		60	
		Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP
10	1½	2J	½	2J	½	2J	½	2J	½	3J	¾	5J	¾	5J	¾	6J	1	6J	1	7J	1½	7J	1½
15	1½	2J	½	2J	½	2J	½	2J	½	3J	¾	5J	¾	5J	¾	6J	1	6J	1	7J	1½	7J	1½
20	1½	2J	½	2J	½	2J	½	2J	½	3J	¾	5J	¾	5J	¾	6J	1	7J	1½	7J	1½	7J	1½
30	1½	2J	½	2J	½	2J	½	2J	½	3J	¾	5J	¾	5J	¾	6J	1	7J	1½	7J	1½	7J	1½
40	1½	2J	½	2J	½	2J	½	3K	¾	3K	¾	4K	1	6J	1	6J	1	7J	1½	7J	1½	...	...
50	2	2K	½	2K	½	2K	½	3K	¾	4K	1	4K	1	6K	1	7K	1½	7K	1½	7K	1½	...	...
60	2	2K	½	2K	½	3K	¾	3K	¾	4K	1	4K	1	7K	1½	7K	1½	7K	1½	...	...	...	...
75	2	2K	½	3K	¾	3K	¾	4K	1	4K	1	7K	1½	7K	1½	...	...	...	...	...	...	...	...
100	2½	4L	1	4L	1	4L	1	11L	1½	12L	2	12L	2	...	...	...	...	...	...	...	...	...	...
125	3	10N	1	10N	1	11N	1½	11N	1½	12N	2	...	...	...	...	...	...	...	...	...	...	...	...
150	3	10N	1	10N	1	11N	1½	11N	1½	12N	2	...	...	...	...	...	...	...	...	...	...	...	...
175	3	11N	1½	11N	1½	11N	1½	12N	2	12N	2	...	...	...	...	...	...	...	...	...	...	...	...
200	3	11N	1½	11N	1½	12N	2	12N	2	12N	2	...	...	...	...	...	...	...	...	...	...	...	...
225	3	11N	1½	11N	1½	12N	2	12N	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...

When applying totally enclosed or explosion proof motors, it may be necessary to use cut diameter impeller or next larger motor. Refer to performance curves.

Totally Enclosed Switches

Fig. 9036DG2 - 2 pole construction. For single phase motors, 1 HP or smaller having overload protection.

9036DR3 - 2 pole construction. For single phase motors, 1 HP or smaller having overload protection.

9036-DRI is used for NEMA 7 application for use as pilot control for single phase motors, 1 HP or smaller having overload protection or magnetic across-the-line starters.

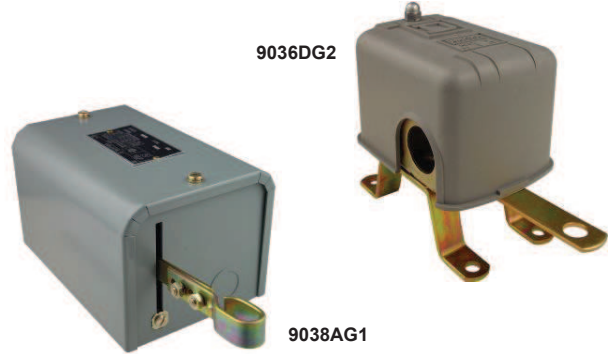
High Water Alarm

9018 High water alarm switches can be provided with 2½" or 4" alarm bells or to control lights or separate alarm bells or operate standby pumps if desired.

Alternator Float Control

Standard alternator float control assembly includes a single alternator float switch, with the float and rod as described for single pump control. This is usually mounted on a separate mounting plate with float control assembly that may be removed for adjustment without pulling out a pump.

9036DG2



9038AG1

Fig. 9038-AG1 alternates two pumps and operates both pumps at once if water level rises above normal high level. It requires magnetic starters unless the pump motors are single phase, 1 HP, or smaller and have overload protection.

The alternators are used for pilot duty only and require magnetic starters. It is used for any depth of sump up to 28 feet and for NEMA 1, 4 or 7 applications.



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