



EXTERNAL SUPPORT RESOURCE

TITLE: WIRING RECOMMENDATIONS
NAME: ESR-009 | ISSUE DATE: 13 DEC 2018 | REVISION: 1

PURPOSE:

The purpose of this external support resource is to clarify and organize acceptable power supplies, fuses, and wire sizes for Delavan diaphragm pumps.

TOOLS REQUIRED:

N/A

PROCEDURE:

Pump Model	Wiring Size	Fuse Size	Power Supply
FB2/FB3 (7870/7970 Series)	12AWG minimum	40A*	12-13.6V is acceptable**
5800/5900 Series (4 and 5 GPM)	14AWG	20A	12-13.6V (12V Motor) 24-27.2V (24V Motor)
5800/5900 Series (3 and 3.6 GPM)	14AWG	15A	12-13.6V (12V Motor) 24-27.2 (24V Motor)
7800 Series	14AWG	10A	12-13.6V (12V Motor) 24-27.2V (24V Motor)
All 120V Models	N/A	N/A	Wall Plug-In or any 120VAC source.

* Due to the high RPM on this motor, a higher amp fuse is required so the amp spikes when turning the motor on does not blow a lower amp fuse.

**Care to keep wire distance from power source to pump as short as possible.