



DW100 Fuel Pump Characterization

PN: 9-101

Flow and Amps VS Voltage and Pressure

10 volts														
PSI	0	10	20	30	40	50	60	70	80	90	100	110	120	PRV
AMP	1.9	2.1	2.5	3.0	3.4	3.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0	
FLOW	174	158	131	110	88	60	19	0	0	0	0	0	0	NA

12 volts														
PSI	0	10	20	30	40	50	60	70	80	90	100	110	120	PRV
AMP	2.5	2.6	3.1	3.5	3.9	4.3	4.7	5.1	5.5	0.0	0.0	0.0	0.0	
FLOW	214	201	177	157	135	117	95	69	31	0	0	0	0	NA

13.5 volts														
PSI	0	10	20	30	40	50	60	70	80	90	100	110	120	PRV
AMP	3	3.2	3.6	3.9	4.2	4.6	5.0	5.4	5.8	6.2	6.6	0.0	0.0	
FLOW	238	226	204	180	165	140	120	100	80	55	25	0	0	NA

14 volts														
PSI	0	10	20	30	40	50	60	70	80	90	100	110	120	PRV
AMP	3.1	3.4	3.8	4.2	4.5	4.9	5.3	5.7	6.1	6.5	6.9	0.0	0.0	
FLOW	253	240	218	198	179	160	143	125	105	80	43	0	0	NA

16 volts														
PSI	0	10	20	30	40	50	60	70	80	90	100	110	120	PRV
AMP	3.9	4.1	4.5	4.9	5.2	5.7	6.0	6.4	6.7	7.1	7.5	7.8	7.8	
FLOW	289	281	262	242	226	208	188	170	152	131	111	82	82	105

18 volts														
PSI	0	10	20	30	40	50	60	70	80	90	100	110	120	PRV
AMP	4.6	4.8	5.1	5.5	5.9	6.2	6.6	6.9	7.3	7.7	8.1	8.4	8.4	
FLOW	324	315	295	274	258	241	224	206	189	170	149	123	123	95

NOTES

Not recommended for use above 18 volts.

Tested 12-4-18

PRV = pressure release valve. An integrated safety device on all in-tank pumps. Pump output significantly decreases upon activation of PRV. Working pressure should be kept below PRV activation point.