

Variable Rate Pre-Wetting Unit	
Pump Flow	0 – 10 gpm or 0 – 37 lpm
Max Pump Pressure	0 – 80 psi
Pump Type	Roller Design
Hyd Requirements	0 – 6 gpm total inlet flow to a max 2000 psi
Hydraulic Connections	3/4" JIC bulkhead fittings
Liquid Connections	3/4" barbed fittings

Variable Rate Pre-Wetting Unit

% CaCl ₂	Lbs/Mile												
	100	150	200	250	300	350	400	450	500	550	600	650	
	GPM												
1%	1.86	0.05	0.07	0.09	0.12	0.14	0.16	0.19	0.21	0.23	0.26	0.28	0.30
2%	3.72	0.09	0.14	0.19	0.23	0.28	0.33	0.37	0.42	0.47	0.51	0.56	0.60
3%	5.58	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63	0.70	0.77	0.84	0.91
4%	7.44	0.19	0.28	0.37	0.47	0.56	0.65	0.74	0.84	0.93	1.02	1.12	1.21
5%	9.30	0.23	0.35	0.47	0.58	0.70	0.81	0.93	1.05	1.16	1.28	1.40	1.51
6%	11.16	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26	1.40	1.53	1.67	1.81
7%	13.02	0.33	0.49	0.65	0.81	0.98	1.14	1.30	1.47	1.63	1.79	1.95	2.12
8%	14.88	0.37	0.56	0.74	0.93	1.12	1.30	1.49	1.67	1.86	2.05	2.23	2.42
9%	16.74	0.42	0.63	0.84	1.05	1.26	1.47	1.67	1.88	2.09	2.30	2.51	2.72
10%	18.60	0.47	0.70	0.93	1.16	1.40	1.63	1.86	2.09	2.33	2.56	2.79	3.02
11%	20.47	0.51	0.77	1.02	1.28	1.53	1.79	2.05	2.30	2.56	2.81	3.07	3.33
12%	22.33	0.56	0.84	1.12	1.40	1.67	1.95	2.23	2.51	2.79	3.07	3.35	3.63
13%	24.19	0.60	0.91	1.21	1.51	1.81	2.12	2.42	2.72	3.02	3.32	3.63	3.93
14%	26.05	0.65	0.98	1.30	1.63	1.95	2.28	2.60	2.93	3.26	3.58	3.91	4.23
15%	27.91	0.70	1.05	1.40	1.74	2.09	2.44	2.79	3.14	3.49	3.84	4.19	4.53
16%	29.77	0.74	1.12	1.49	1.86	2.23	2.60	2.98	3.35	3.72	4.09	4.47	4.84
17%	31.63	0.79	1.19	1.58	1.98	2.37	2.77	3.16	3.56	3.95	4.35	4.74	5.14
18%	33.49	0.84	1.26	1.67	2.09	2.51	2.93	3.35	3.77	4.19	4.60	5.02	5.44
19%	35.35	0.88	1.33	1.77	2.21	2.65	3.09	3.53	3.98	4.42	4.86	5.30	5.74
20%	37.21	0.93	1.40	1.86	2.33	2.79	3.26	3.72	4.19	4.65	5.12	5.58	6.05
21%	39.07	0.98	1.47	1.95	2.44	2.93	3.42	3.91	4.40	4.88	5.37	5.86	6.35
22%	40.93	1.02	1.53	2.05	2.56	3.07	3.58	4.09	4.60	5.12	5.63	6.14	6.65
23%	42.79	1.07	1.60	2.14	2.67	3.21	3.74	4.28	4.81	5.35	5.88	6.42	6.95
24%	44.65	1.12	1.67	2.23	2.79	3.35	3.91	4.47	5.02	5.58	6.14	6.70	7.26
25%	46.51	1.16	1.74	2.33	2.91	3.49	4.07	4.65	5.23	5.81	6.40	6.98	7.56
26%	48.37	1.21	1.81	2.42	3.02	3.63	4.23	4.84	5.44	6.05	6.65	7.26	7.86
27%	50.23	1.26	1.88	2.51	3.14	3.77	4.40	5.02	5.65	6.28	6.91	7.53	8.16
28%	52.09	1.30	1.95	2.60	3.26	3.91	4.56	5.21	5.86	6.51	7.16	7.81	8.47
29%	53.95	1.35	2.02	2.70	3.37	4.05	4.72	5.40	6.07	6.74	7.42	8.09	8.77
30%	55.81	1.40	2.09	2.79	3.49	4.19	4.88	5.58	6.28	6.98	7.67	8.37	9.07

Closed Loop Variable Rate Pre-Wetting Units. Utilizes dedicated pre-wet valve section on bankable valve to control pre-wetting.



Accurately control spreading at a pre-calibrated liquid ratio. This unit is hydraulically driven and incorporates a durable roller pump for long life and higher application rates. The driver simply uses the in-cab controller to dial up the desired application rate. This unit is fully proportional providing variable rates and optimum control. Up to 4 different liquid types and 9 different application rates per liquid can be preprogrammed into the controller. A flow meter is used for the feedback loop to the controller for constant accurate control of the liquid.

The unit is fully installed into a stainless steel enclosure for durability and protection against the elements. All fittings and mounting hardware are also designed to resist corrosion and vibration.

Complete Pre-Wet systems including tanks, plumbing kits, filler and flushing kits and spray-bars to suit all spreader types. Further expansion is possible for auxiliary uses such as dual conveyor / dual spinner operations.

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