

Needham Ag Technologies, LLC.

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Nitro-Bar flow values for 28% liquid nitrogen on 20" spacing

ORIFICE	PSI	Cap GPM	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	18 MPH
Orange	20	0.170	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.8
	30	0.200	19.8	14.8	11.9	9.9	7.4	5.9	4.9	4.0	3.3
	40	0.240	23.7	17.8	14.2	11.9	8.9	7.1	5.9	4.7	4.0
	50	0.267	26.4	19.8	15.8	13.2	9.9	7.9	6.6	5.3	4.4
	60	0.292	28.9	21.7	17.3	14.4	10.8	8.7	7.2	5.8	4.8
Red	20	0.300	29.7	22.3	17.8	14.8	11.1	8.9	7.4	5.9	4.9
	30	0.370	36.6	27.4	22.0	18.3	13.7	11.0	9.1	7.3	6.1
	40	0.430	42.5	31.9	25.5	21.3	15.9	12.8	10.6	8.5	7.1
	50	0.485	48.0	36.0	28.8	24.0	18.0	14.4	12.0	9.6	8.0
	60	0.530	52.4	39.3	31.5	26.2	19.7	15.7	13.1	10.5	8.7
Blue	20	0.490	48.5	36.3	29.1	24.2	18.2	14.5	12.1	9.7	8.1
	30	0.601	59.4	44.6	35.7	29.7	22.3	17.8	14.9	11.9	9.9
	40	0.694	68.6	51.5	41.2	34.3	25.7	20.6	17.2	13.7	11.4
	50	0.776	76.7	57.6	46.0	38.4	28.8	23.0	19.2	15.3	12.8
	60	0.850	84.1	63.1	50.4	42.0	31.5	25.2	21.0	16.8	14.0
Yellow	20	0.713	70.5	52.9	42.3	35.3	26.4	21.2	17.6	14.1	11.8
	30	0.873	86.3	64.8	51.8	43.2	32.4	25.9	21.6	17.3	14.4
	40	1.009	99.8	74.8	59.9	49.9	37.4	29.9	24.9	20.0	16.6
	50	1.151	113.8	85.4	68.3	56.9	42.7	34.2	28.5	22.8	19.0
	60	1.252	123.8	92.9	74.3	61.9	46.4	37.1	31.0	24.8	20.6
Green	20	0.960	94.9	71.2	57.0	47.5	35.6	28.5	23.7	19.0	15.8
	30	1.170	115.7	86.8	69.4	57.9	43.4	34.7	28.9	23.1	19.3
	40	1.350	133.5	100.1	80.1	66.8	50.1	40.1	33.4	26.7	22.3
	50	1.490	147.4	110.5	88.4	73.7	55.3	44.2	36.8	29.5	24.6
	60	1.550	153.3	115.0	92.0	76.6	57.5	46.0	38.3	30.7	25.5