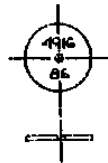


REGULATOR WITH ORIFICE PLATE NO.	PRESSURE IN RPa	CAPACITY IN LITERS PER MIN.	LITERS PER HECTARE								REGULATOR WITH ORIFICE PLATE NO.	PRESSURE IN RPa	CAPACITY IN LITERS PER MIN.	LITERS PER HECTARE								REGULATOR WITH ORIFICE PLATE NO.	PRESSURE IN RPa	CAPACITY IN LITERS PER MIN.	LITERS PER HECTARE							
			BASED ON 50cm SPACING, AND ON 1.2 kg/Lit SOLUTION (FOR CONVERSION FACTORS SEE SH. 8)											BASED ON 50cm SPACING, AND ON 1.2 kg/Lit SOLUTION (FOR CONVERSION FACTORS SEE SH. 8)											BASED ON 50cm SPACING, AND ON 1.2 kg/Lit SOLUTION (FOR CONVERSION FACTORS SEE SH. 8)							
			5 km/h	6 km/h	8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	5 km/h				6 km/h	8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	5 km/h	6 km/h				8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	5 km/h	6 km/h	8 km/h
4916-08	ORIFICE DIA. 0.203 mm	20	0.008	1.9	1.4	1.2	0.9	0.8	0.7	0.6	4916-12	ORIFICE DIA. 0.305 mm	20	0.018	4.3	3.6	2.7	2.2	1.8	1.6	1.4	4916-15	ORIFICE DIA. 0.381 mm	20	0.027	6.5	5.4	4.1	3.3	2.7	2.3	2.1
		40	0.011	2.7	2.3	1.7	1.4	1.2	1.0	0.8			40	0.038	9.1	7.6	5.7	4.6	3.8	3.3	2.9			40	0.038	9.1	7.6	5.7	4.6	3.8	3.3	2.9
		60	0.014	3.3	2.8	2.1	1.7	1.4	1.2	1.1			60	0.030	7.3	6.1	4.6	3.7	3.1	2.7	2.3			60	0.046	11.1	9.3	7.0	5.6	4.7	4.0	3.5
		80	0.016	3.8	3.2	2.4	1.9	1.6	1.4	1.2			80	0.035	8.4	7.0	5.3	4.3	3.6	3.1	2.7			80	0.053	12.9	10.7	8.1	6.5	5.4	4.6	4.1
		100	0.018	4.3	3.6	2.7	2.2	1.8	1.6	1.4			100	0.039	9.4	7.9	5.9	4.7	4.0	3.4	3.0			100	0.060	14.4	12.0	9.0	7.2	6.0	5.2	4.5
	ORIFICE DIA. 0.254 mm	150	0.022	5.2	4.4	3.3	2.6	2.2	1.9	1.7	150	0.048	11.5	9.6	7.2	5.8	4.8	4.2	3.6	150	0.073	17.6	14.7	11.0	8.8	7.4	6.3	5.5				
		200	0.025	6.0	5.0	3.8	3.0	2.5	2.2	1.9	200	0.055	13.3	11.1	8.3	6.7	5.6	4.8	4.2	200	0.084	20	16.9	12.7	10.2	8.5	7.3	6.4				
		250	0.028	6.7	5.6	4.2	3.4	2.8	2.4	2.1	250	0.062	14.9	12.4	9.3	7.5	6.2	5.4	4.7	250	0.094	23	18.9	14.2	11.4	9.5	8.1	7.1				
		300	0.031	7.4	6.2	4.6	3.7	3.1	2.7	2.3	300	0.068	16.3	13.6	10.2	8.2	6.8	5.9	5.1	300	0.10	25	21	15.5	12.5	10.4	8.9	7.8				
		350	0.033	8.0	6.6	5.0	4.0	3.3	2.9	2.5	350	0.073	17.6	14.7	11.0	8.8	7.4	6.3	5.5	350	0.11	27	22	16.8	13.4	11.2	9.6	8.4				
400	0.035	8.5	7.1	5.3	4.3	3.6	3.1	2.7	400	0.078	18.8	15.7	11.8	9.4	7.9	6.8	5.9	400	0.12	29	24	17.9	14.4	12.0	10.3	9.0						
4916-10	ORIFICE DIA. 0.254 mm	20	0.012	3.0	2.5	1.9	1.5	1.3	1.1	0.9	4916-14	ORIFICE DIA. 0.356 mm	20	0.024	5.7	4.8	3.6	2.9	2.4	2.1	1.8	4916-16	ORIFICE DIA. 0.406 mm	20	0.031	7.4	6.1	4.6	3.7	3.1	2.7	2.3
		40	0.017	4.2	3.5	2.6	2.1	1.8	1.5	1.3			40	0.033	8.1	6.7	5.1	4.1	3.4	2.9	2.6			40	0.043	10.4	8.7	6.5	5.2	4.4	3.7	3.3
		60	0.021	5.1	4.2	3.2	2.6	2.1	1.9	1.6			60	0.041	9.9	8.2	6.2	5.0	4.1	3.6	3.1			60	0.053	12.7	10.6	8.0	6.4	5.3	4.6	4.0
		80	0.024	5.9	4.9	3.7	3.0	2.5	2.1	1.9			80	0.047	11.4	9.5	7.1	5.7	4.8	4.1	3.6			80	0.061	14.7	12.2	9.2	7.4	6.1	5.3	4.6
		100	0.027	6.5	5.5	4.1	3.3	2.8	2.4	2.1			100	0.053	12.7	10.6	8.0	6.4	5.3	4.6	4.0			100	0.068	16.4	13.7	10.3	8.2	6.9	5.9	5.2
	ORIFICE DIA. 0.305 mm	150	0.033	8.0	6.7	5.0	4.0	3.4	2.9	2.5	150	0.065	13.5	11.0	8.2	6.5	5.6	4.9	4.3	150	0.084	20	16.7	12.6	10.1	8.4	7.2	6.3				
		200	0.038	9.2	7.7	5.8	4.6	3.9	3.3	2.9	200	0.075	17.9	14.8	11.2	9.0	7.5	6.4	5.6	200	0.10	23	19.3	14.5	11.6	9.7	8.3	7.3				
		250	0.043	10.3	8.6	6.5	5.2	4.3	3.7	3.3	250	0.083	20	16.7	12.6	10.1	8.4	7.2	6.3	250	0.11	26	22	16.2	13.0	10.8	9.3	8.1				
		300	0.047	11.3	9.4	7.1	5.7	4.7	4.1	3.6	300	0.091	22	18.3	13.7	11.0	9.2	7.9	6.9	300	0.12	28	24	17.8	14.2	11.9	10.2	8.9				
		350	0.051	12.2	10.2	7.6	6.1	5.1	4.4	3.8	350	0.099	24	19.8	14.8	11.9	9.9	8.5	7.5	350	0.13	31	25	19.2	15.4	12.8	11.0	9.6				
400	0.055	13.0	10.9	8.2	6.5	5.5	4.7	4.1	400	0.11	25	21	15.9	12.7	10.6	9.1	8.0	400	0.14	33	27	20	16.4	13.7	11.7	10.3						

SEE SHEET 17943-8 FOR CONVERSION FACTORS ON OTHER SOLUTIONS.

EXAMPLE: TO DETERMINE FLOW REGULATOR ORIFICE PLATE SIZE REQUIRED TO APPLY 17.4 L/ha OF A 1.8 kg/Lit SOLUTION — 30 cm REGULATOR SPACING — LIQUID PRESSURE 100 kPa — AT 5 km/h RIG SPEED.
 FROM SHEET 17943-8 → CONVERSION FACTOR (FOR 1.8 kg/Lit - 30cm SPACING) = 1.37
 TO OBTAIN EQUIVALENT TABULATED L/ha: $17.4 \text{ L/ha} (1.8 \text{ kg/Lit SOL.}) \times 1.37 \text{ FACTOR} = 12.7$ (EQUIVALENT TABULATED COVERAGE)
 THEREFORE: FROM SHEET 17943-1 UNDER 5 km/h & 100 kPa - WE FIND THAT THE 4916-14 ORIFICE PLATE DELIVERS 12.7 L/ha (1.2 kg/Lit SOLUTION - 50cm SPACING) AS WELL AS 17.4 L/ha OF THE 1.8 kg/Lit SOLUTION AT 30cm SPACING.



ORIFICE PLATE FOR TEEJET FLOW REGULATOR

DESCRIPTION:
 MASTER TABULATION FOR LITER PER HECTARE COVERAGES USING TEEJET FLOW REGULATORS (METRIC)



Spraying Systems Co.

Spray Nozzles and Accessories
 P.O. Box 7900 - Wheaton, IL 60189-7900

Rev. No.

Data Sheet No.

17943-1

Ref.

SHEET OF