

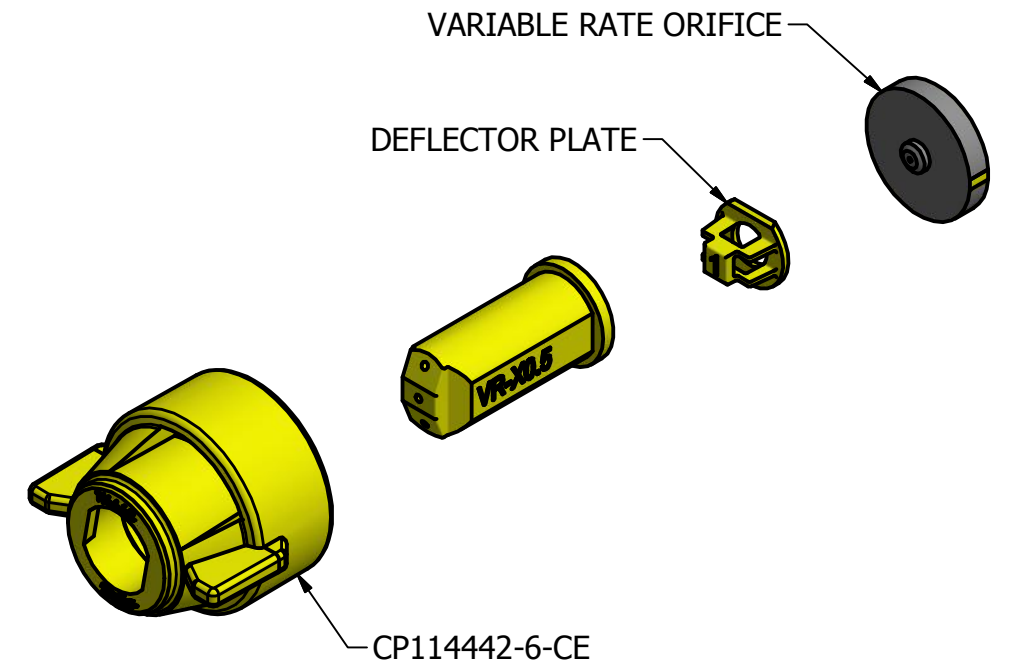
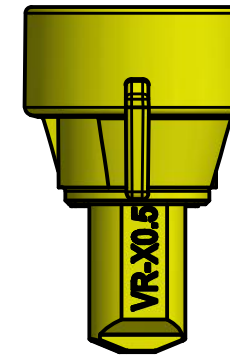
# SJ3-VR-X0.5 VARIABLE RATE STREAMJET

## FEATURES:

- DESIGNED FOR USE IN FLOWMETER-BASED APPLICATION SYSTEMS
- CREATES THREE IDENTICAL FLUID STREAMS OF EQUAL VELOCITY AND CAPACITY
- EXCELLENT SPRAY DISTRIBUTION QUALITY
- REMOVABLE VARIABLE RATE ORIFICE (EPDM) FOR EASY CLEANING
- VARIABLE RATE FOR A WIDE RANGE OF APPLICATION SPEEDS AND RATES
- NYLON, ACETAL & EPDM CONSTRUCTION FOR EXCELLENT CHEMICAL RESISTANCE
- RECOMMENDED OPERATING PRESSURE: 1.5 - 7.0 BAR (20 - 100 PSI) FOR OPTIMUM STREAM PERFORMANCE

## TYPICAL APPLICATIONS:

- EXCELLENT FOR VARIABLE RATE APPLICATION OF LIQUID FERTILIZER
- EXCELLENT FOR MAINTAINING A FIXED RATE OVER A WIDE RANGE OF SPEEDS



SJ3-VR-X0.5 VARIABLE RATE STREAMJET										
TIP NO. (STRAINER MESH SIZE)	LIQUID PRESSURE IN BAR	CAPACITY 1 NOZZLE IN L/MIN	50 CM SPACING							
			LITERS PER HECTARE							
			8 KM/H	10 KM/H	12 KM/H	16 KM/H	20 KM/H	25 KM/H	30 KM/H	35 KM/H
SJ3-VR-X0.5 (50)	1.5	0.51	76.5	61.2	51.0	38.3	30.6	24.5	20.4	17.5
	2.0	0.58	87.0	69.6	58.0	43.5	34.8	27.8	23.2	19.9
	2.5	0.64	96.0	76.8	64.0	48.0	38.4	30.7	25.6	21.9
	3.0	0.71	107	85.2	71.0	53.3	42.6	34.1	28.4	24.3
	3.5	0.79	119	94.8	79.0	59.3	47.4	37.9	31.6	27.1
	4.0	0.87	131	104	87.0	65.3	52.2	41.8	34.8	29.8
	5.0	1.06	159	127	106	79.5	63.6	50.9	42.4	36.3
	6.0	1.28	192	154	128	96.0	76.8	61.4	51.2	43.9
	7.0	1.55	233	186	155	116	93.0	74.4	62.0	53.1

## FERTILIZER SPECIFIC GRAVITY CONVERSION FACTORS:

DENSITY OF SOLUTION	CONVERSION FACTOR
0.84 KG/L	0.92
0.96 KG/L	0.98
1.00 - WATER	1.00
1.08 KG/L	1.04
1.20 KG/L	1.10
1.28 - 28% NITROGEN	1.13
1.32 KG/L	1.15
1.44 KG/L	1.20
1.68 KG/L	1.30

- \* APPLICATION DATA IS BASED ON SPRAYING WATER AT 21 DEG C (70 DEG F).
- \* DEFLECTOR PLATE REQUIRED TO MAINTAIN PUBLISHED FLOW RATES AND STEADY STREAM.
- \* NOTE: FOR 35 CM TIP SPACING MULTIPLY CHART VALUES BY 1.33.  
FOR 75 CM TIP SPACING MULTIPLY CHART VALUES BY 0.67.
- \* SEE DS50050M FOR ADDITIONAL INFORMATION ON SJ3 FIXED RATE STREAMJET.

NOTE: CONVERSION FACTORS MUST BE USED WHEN SPRAYING SOLUTIONS HEAVIER OR LIGHTER THAN WATER. FIRST, MULTIPLY DESIRED APPLICATION RATE BY THE APPROPRIATE CONVERSION FACTOR ABOVE. THEN USE THE NEW APPLICATION RATE TO SELECT THE MOST APPROPRIATE OPERATING PRESSURE FROM THE APPLICATION CHART ON THIS PAGE.

OPTIMUM SPRAY HEIGHT	
NOZZLE SPACING	SPRAY HEIGHT
50 CM	50 CM
75 CM	75 CM
100 CM	100 CM

- \* FOR BEST SPRAY DISTRIBUTION MAINTAIN A 1:1 RATIO OF TIP HEIGHT TO TIP SPACING.

<b>DESCRIPTION:</b>  APPLICATION RATES FOR SJ3-VR-X0.5 VARIABLE RATE 3-ORIFICE FERTILIZER NOZZLE (METRIC)		
	REVISION NO. 1	DATASHEET <b>DSSJ3-VR-X0.5M</b>
	REFERENCE: 9/6/17	SHEET: _____ DWG SIZE: <b>B</b>