

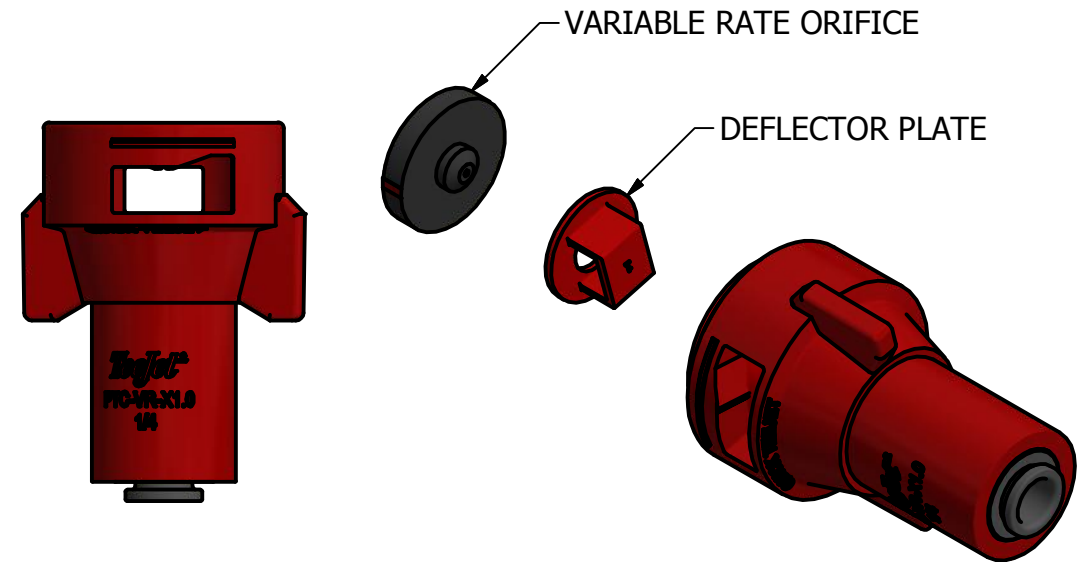
# PTC-VR-X1.0 VARIABLE RATE PUSH-TO-CONNECT FERTILIZER ASSEMBLY

## FEATURES:

- DESIGNED FOR USE IN FLOWMETER-BASED APPLICATION SYSTEMS
- AVAILABLE FOR 1/4" (6.35 MM), 5/16" (8 MM) & 3/8" (9.53 MM) O.D. TUBING
- FITTINGS FEATURE PUSH-TO-CONNECT COUPLERS FOR FAST, EASY, LEAK-FREE ASSEMBLY
- 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: 1.0 - 7.0 BAR (10 - 100 PSI)

## TYPICAL APPLICATIONS:

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



PTC-VR-X1.0 VARIABLE RATE PUSH-TO-CONNECT FERTILIZER NOZZLE										
TIP NO. (STRAINER MESH SIZE)	LIQUID PRESSURE IN BAR	CAPACITY 1 NOZZLE IN L/MIN	75 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
PTC-VR-X1.0 (50)	1.0	0.62	62.0	49.6	41.3	31.0	24.8	19.8	16.5	14.2
	1.5	0.80	80.0	64.0	53.3	40.0	32.0	25.6	21.3	18.3
	2.0	1.00	100	80.0	66.7	50.0	40.0	32.0	26.7	22.9
	2.5	1.22	122	97.6	81.3	61.0	48.8	39.0	32.5	27.9
	3.0	1.46	146	117	97.3	73.0	58.4	46.7	38.9	33.4
	3.5	1.72	172	138	115	86.0	68.8	55.0	45.9	39.3
	4.0	2.00	200	160	133	100	80.0	64.0	53.3	45.7
	5.0	2.61	261	209	174	131	104	83.5	69.6	59.7
	6.0	3.31	331	265	221	166	132	106	88.3	75.7
	7.0	4.08	408	326	272	204	163	131	109	93.3

- \* APPLICATION DATA IS BASED ON SPRAYING WATER AT 21 DEG C (70 DEG F).
- \* FLOW RATES ARE MEASURED AVERAGES BETWEEN 1/4" (6.35 MM), 5/16" (8 MM) & 3/8" (9.53 MM) VERSIONS.
- \* DEFLECTOR PLATE REQUIRED TO MAINTAIN PUBLISHED FLOW RATES AND STEADY STREAM.


## HOW TO ORDER:

PTC-VR-X1.0-1/4 - VARIABLE RATE FERTILIZER ASSEMBLY WITH 1/4" PUSH-TO-CONNECT CAP

## 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

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.

<b>DESCRIPTION:</b> APPLICATION RATES FOR PTC-VR-X1.0-1/4, PTC-VR-X1.0-5/16 & PTC-VR-X1.0-3/8 VARIABLE RATE PUSH-TO-CONNECT FERTILIZER ASSEMBLY (M)		
	REVISION NO. 3	DATASHEET <b>DSPTC-VR-X1.0M</b>
	REFERENCE: 3/7/17	SHEET: DWG SIZE: B