

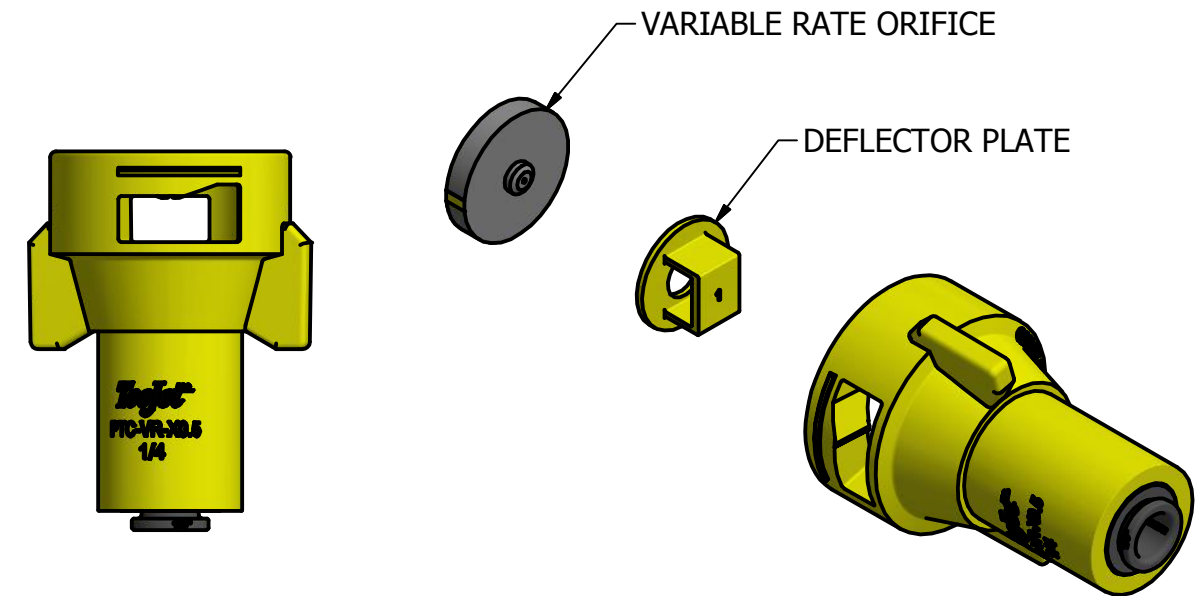
PTC-VR-X0.5 VARIABLE RATE PUSH-TO-CONNECT FERTILIZER ASSEMBLY

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-X0.5 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-X0.5 (50) | 1.0 | 0.41 | 41.0 | 32.8 | 27.3 | 20.5 | 16.4 | 13.1 | 10.9 | 9.4 |
| | 1.5 | 0.51 | 51.0 | 40.8 | 34.0 | 25.5 | 20.4 | 16.3 | 13.6 | 11.7 |
| | 2.0 | 0.62 | 62.0 | 49.6 | 41.3 | 31.0 | 24.8 | 19.8 | 16.5 | 14.2 |
| | 2.5 | 0.71 | 71.0 | 56.8 | 47.3 | 35.5 | 28.4 | 22.7 | 18.9 | 16.2 |
| | 3.0 | 0.81 | 81.0 | 64.8 | 54.0 | 40.5 | 32.4 | 25.9 | 21.6 | 18.5 |
| | 3.5 | 0.92 | 92.0 | 73.6 | 61.3 | 46.0 | 36.8 | 29.4 | 24.5 | 21.0 |
| | 4.0 | 1.03 | 103 | 82.4 | 68.7 | 51.5 | 41.2 | 33.0 | 27.5 | 23.5 |
| | 5.0 | 1.28 | 128 | 102 | 85.3 | 64.0 | 51.2 | 41.0 | 34.1 | 29.3 |
| | 6.0 | 1.58 | 158 | 126 | 105 | 79.0 | 63.2 | 50.6 | 42.1 | 36.1 |
| | 7.0 | 1.96 | 196 | 157 | 131 | 98.0 | 78.4 | 62.7 | 52.3 | 44.8 |

- * 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-X0.5-1/4 - 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.

| | | |
|---|---|------------------------------------|
| DESCRIPTION: APPLICATION RATES FOR PTC-VR-X0.5-1/4, PTC-VR-X0.5-5/16 & PTC-VR-X0.5-3/8 VARIABLE RATE PUSH-TO-CONNECT FERTILIZER ASSEMBLY (M) |  | |
| | REVISION NO. 1 | DATASHEET DSPTC-VR-X0.5M |
| | REFERENCE: 9/8/17 | SHEET: DWG SIZE: B |