

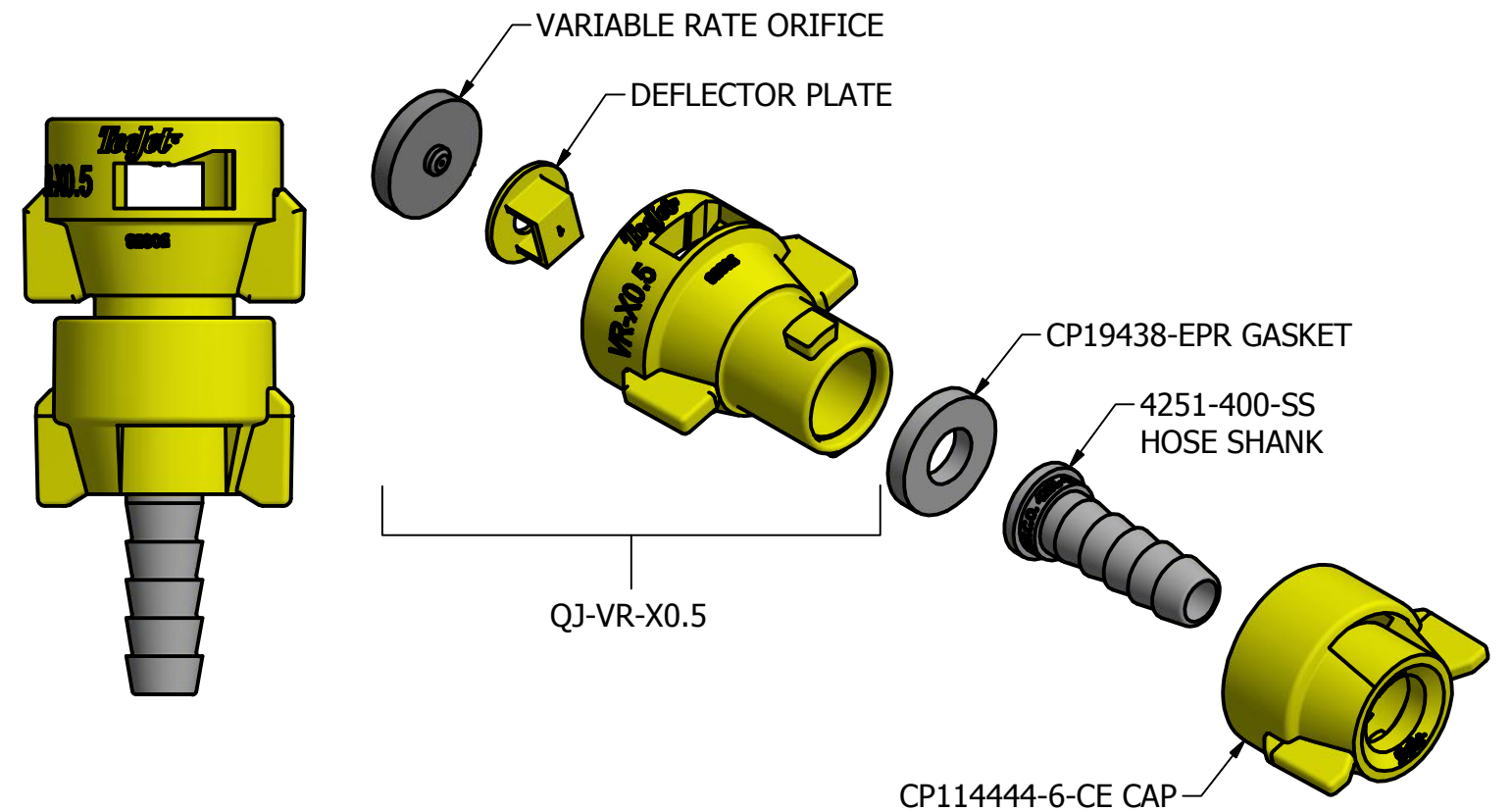
QJ-VR-X0.5 VARIABLE RATE HOSE BARB FERTILIZER ASSEMBLY

FEATURES:

- DESIGNED FOR USE IN FLOWMETER-BASED APPLICATION SYSTEMS
- AVAILABLE FOR 1/4" (6.35 MM), 5/16" (7.94 MM) & 3/8" (9.53 MM) I.D. HOSE
- 1/4" (6.35 MM) & 5/16" (7.94 MM) VERSION HOSE BARBS AVAILABLE IN STAINLESS STEEL; 3/8" (9.53 MM) VERSION HOSE BARB AVAILABLE IN STAINLESS STEEL AND NYLON
- 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



QJ-VR-X0.5 VARIABLE RATE HOSE BARB 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
QJ-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	

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.

- * 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" (7.94 MM) & 3/8" (9.53 MM) VERSIONS.
- * DEFLECTOR PLATE REQUIRED TO MAINTAIN PUBLISHED FLOW RATES AND STEADY STREAM.

HOW TO ORDER:

QJ-VR-X0.5-1/4-SS - VARIABLE RATE FERTILIZER ASSEMBLY WITH STAINLESS STEEL 1/4" HOSE BARB
 QJ-VR-X0.5-3/8-NYB - VARIABLE RATE FERTILIZER ASSEMBLY WITH NYLON 3/8" HOSE BARB

DESCRIPTION: APPLICATION RATES FOR QJ-VR-X0.5-1/4, QJ-VR-X0.5-5/16 & QJ-VR-X0.5-3/8 VARIABLE RATE HOSE BARB FERTILIZER ASSEMBLY (METRIC)		
	REVISION NO. 1	DATASHEET DSQJ-VR-X0.5M
	REFERENCE: 9/7/17	SHEET: DWG SIZE: B