

Typical Applications



**FERTILIZER
BROADCAST
EXCELLENT**



**DRIFT
CONTROL
EXCELLENT**



QJ-VR Hose Barb
Metering Assembly



QJ-VR Metering Assembly



PTC-VR Push-to-Connect
Metering Assembly

FEATURES

- The QJ-VR and PTC-VR line of variable rate fertilizer assemblies feature a variable diameter orifice that produces a wide range of flow rates—its like having several metering orifices in one.
- Allows for a wider range of ground speeds and/or application rates from a single size for improved productivity.
- Also ideal for variable rate prescription map applications.
- Both QJ-VR and PTC-VR are ideal for installation on planters and toolbars for liquid fertilizer metering and application.
- PTC-VR features nylon construction for excellent strength and chemical resistance.
- QJ-VR features acetal and nylon construction with choice of nylon or stainless steel hose barbs for strength and excellent chemical resistance.
- Simple, elastomer (EPDM) variable orifice for reliable, long-term operation.

SPRAY PATTERN



SIZE OPTIONS

TIP PART NO.	HOSE SIZE (I.D.)				TUBING SIZE (O.D.)		
	1/4"	5/16"	3/8"	1/2"	1/4"	5/16"	3/8"
QJ-VR-X0.5	•	•	•				
QJ-VR-X1.0	•	•	•				
QJ-VR-X2.0			•	•			
PTC-VR-X0.5					•	•	•
PTC-VR-X1.0					•	•	•
PTC-VR-X2.0						•	•

Note: 1/4" and 5/16" hose barb sizes offered in stainless steel only. 3/8" and 1/2" hose barbs offered in choice of stainless steel or nylon.

RECOMMENDED PRESSURE RANGE



10–100 PSI

MATERIALS AVAILABLE



POLYMER

HOW TO ORDER

Quick TeeJet® Variable Rate Metering Assembly
(no Hose Barb)

Q J - V R - X 2 . 0

3/8" Push-to-Connect Variable Rate
Metering Assembly

P T C - V R - X 1 . 0 - 3 / 8

1/4" Stainless Steel Hose Barb Variable Rate
Metering Assembly

Q J - V R - X 1 . 0 - 1 / 4 - S S

1/4" Push-to-Connect Variable Rate Metering Assembly
with 10 PSI Diaphragm Check Valve

P T C - V R - X 1 . 0 - 1 / 4 - 1 0



QJ-VR & PTC-VR VARIABLE RATE

TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	GROUND SPEED RANGE (MPH) FOR 20" SPACING										GROUND SPEED RANGE (MPH) FOR 30" SPACING											
				3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
				(Detailed data rows for QJ-VR-X0.5, QJ-VR-X1.0, and QJ-VR-X2.0 series follow the same structure as the header, with values for each speed range.)																					

FERTILIZER NOZZLES

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

SPEED RANGE FOR VARIOUS APPLICATION RATES

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 20" SPACING																GROUND SPEED RANGE (MPH) FOR 30" SPACING															
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SJ7AVR-X0.5	5.3	32*	2.7	16	1.8	11	1.3	8.0	1.1	6.4	0.9	5.3	0.8	4.6	0.7	4.0	3.6	21	1.8	11	1.2	7.1	0.9	5.3	0.7	4.3	0.6	3.6	0.5	3.1	0.4	2.7
SJ7AVR-X1.0	7.7	61*	3.9	31*	2.6	20	1.9	15	1.5	12	1.3	10	1.1	8.7	1.0	7.6	5.1	41*	2.6	20	1.7	14	1.3	10	1.0	8	0.9	7	0.7	6	0.6	5.1
SJ7AVR-X2.0	23	123*	11	61*	7.5	41*	5.6	31*	4.5	25	3.8	20	3.2	18	2.8	15	15	82*	7.5	41*	5.0	27*	3.8	20	3.0	16	2.5	14	2.1	12	1.9	10

*For safest application, recommended maximum speed is 25 MPH.