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- › [TeeJet](#) /
- › [TeeJet XR11004VS Extended Range Spray Tip User Manual](#)

TeeJet XR11004VS

TeeJet XR11004VS Extended Range Spray Tip User Manual

Model: XR11004VS | Brand: TeeJet

INTRODUCTION

The TeeJet XR11004VS Extended Range Spray Tip is designed for precision spraying in various applications, offering excellent spray distribution and reduced drift across a wide pressure range. This manual provides essential information for the proper setup, operation, and maintenance of your spray tip to ensure optimal performance and longevity.

PRODUCT FEATURES

- Ideal for rigs equipped with sprayer controllers.
- Reduces drift at lower pressures, better coverage at higher pressures.
- Excellent spray distribution over a wide range of pressures.
- Present in 80 deg and 110 deg spray angles with VisiFlo color-coding.

PRODUCT OVERVIEW



Image: The TeeJet XR11004VS Extended Range Spray Tip. This red spray tip features a flat fan design, with "XR TeeJet" and "11004 VS" embossed on its sides, indicating its model and VisiFlo color-coding. It is designed for precise and efficient

SETUP

1. **Safety First:** Always wear appropriate personal protective equipment (PPE) including gloves and eye protection when handling spray equipment and chemicals.
2. **Inspect Components:** Before installation, ensure the spray tip, cap, and gasket are clean and free from damage.
3. **Install Gasket:** Place the appropriate gasket (e.g., EPDM, Viton) into the Quick TeeJet cap.
4. **Insert Tip:** Carefully insert the XR11004VS spray tip into the cap, ensuring it is seated correctly.
5. **Attach to Nozzle Body:** Thread the Quick TeeJet cap onto the nozzle body of your sprayer. Hand-tighten until snug. Avoid over-tightening, which can damage the tip or cap.
6. **Verify Alignment:** For automatic spray alignment, ensure you are using compatible Quick TeeJet caps and gaskets. Otherwise, manually align the spray pattern as desired.
7. **Leak Check:** After installation, fill the sprayer with water and pressurize to check for any leaks around the tip and cap.

OPERATING INSTRUCTIONS

1. **Pressure Range:** The XR11004VS tip is designed to operate effectively across a pressure spectrum of 15 to 60 PSI (1–4 bar). Refer to the flow rate chart for specific application rates at different pressures.
2. **Spray Height:** Maintain the recommended spray height above the target to achieve uniform coverage and minimize drift. Consult application charts for optimal height based on nozzle spacing and spray angle.
3. **Travel Speed:** Adjust your travel speed to achieve the desired application volume. Slower speeds increase application volume, while faster speeds decrease it.
4. **Wind Conditions:** Avoid spraying in windy conditions to prevent drift and ensure accurate application. The extended range design helps reduce drift, but extreme wind should still be avoided.
5. **Chemical Compatibility:** Ensure the spray tip material (stainless steel) is compatible with the chemicals being sprayed.

MAINTENANCE

1. **Regular Cleaning:** After each use, thoroughly rinse the spray tip with clean water to remove any chemical residues.
2. **Unclogging:** If the tip becomes clogged, remove it from the sprayer and clean it using a soft brush or a specialized nozzle cleaning tool. **Do not use metal objects or wire**, as this can damage the orifice and alter the spray pattern.
3. **Inspect for Wear:** Periodically inspect the tip for signs of wear, such as a distorted spray pattern or increased flow rate at a given pressure. Worn tips should be replaced to maintain application accuracy.
4. **Gasket Replacement:** Replace gaskets regularly, especially if they show signs of wear, cracking, or if leaks occur.
5. **Storage:** Store spray tips in a clean, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Distorted Spray Pattern	Clogged orifice; Worn tip; Incorrect pressure	Clean tip; Replace tip; Adjust pressure to recommended range
Reduced Flow Rate	Partial clog; Insufficient pump pressure	Clean tip; Check pump and pressure regulator
Leaks at Nozzle Body	Damaged or missing gasket; Loose cap	Replace gasket; Tighten cap
Excessive Drift	Too high pressure; Too high spray height; Windy conditions	Reduce pressure; Lower spray boom; Avoid spraying in wind

SPECIFICATIONS

- **Model:** XR11004VS
- **Material:** Stainless Steel
- **Spray Angle:** 110°
- **Optimal Pressure Range:** 15-60 PSI (1-4 bar)
- **Package Dimensions:** 3.15 x 2.05 x 1.1 inches
- **Item Weight:** 1.6 ounces
- **Manufacturer:** Spraying Systems
- **Color-Coding:** VisiFlo (Red)

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or replacement parts, please refer to the official TeeJet website or contact your authorized dealer. Keep your purchase receipt for warranty claims.