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› Wiltec C2 Fire Hose Nozzle Instruction Manual with Adjustable Hollow Jet (150-660 l/min)

WilTec 92831

Wiltec C2 Fire Hose Nozzle Instruction Manual

Model: 92831

INTRODUCTION

This manual provides essential information for the safe and effective operation and maintenance of your Wiltec C2 Fire Hose Nozzle. Please read these instructions carefully before use and retain them for future reference.



Figure 1: Overall view of the Wiltec C2 Fire Hose Nozzle.

SAFETY INSTRUCTIONS

- Always wear appropriate personal protective equipment (PPE) when operating the nozzle.
- Ensure all connections are secure before pressurizing the hose.
- Do not direct the water jet at electrical equipment or personnel unless specifically trained and equipped for such operations.
- Maintain a firm grip on the nozzle during operation due to potential recoil force.
- Do not modify the nozzle in any way. Use only genuine Wiltec replacement parts.

SETUP AND CONNECTION

The Wiltec C2 Fire Hose Nozzle is designed for quick and secure connection to standard Storz C/52 mm (2") couplings.

1. **Inspect Connection:** Ensure the Storz coupling on the nozzle and the hose are clean and free from debris. Check the rubber gasket for any damage.
2. **Connect Nozzle:** Align the Storz coupling on the nozzle with the Storz coupling on the fire hose.
3. **Secure Connection:** Push the couplings together and rotate one of them until the lugs engage securely. A tight seal is crucial for preventing leaks and maintaining pressure.
4. **Verify Connection:** Gently pull on the nozzle to ensure it is firmly attached to the hose.



Figure 2: Detail of the Storz C/52mm coupling for hose connection.

OPERATING INSTRUCTIONS

The Wiltec C2 nozzle offers versatile control over water flow and spray patterns.

Flow Rate Adjustment

This nozzle allows for five distinct flow rate settings, ranging from 150 to 660 liters per minute (l/min). Rotate the flow selector ring to choose the desired output:

- 150 l/min
- 180 l/min
- 300 l/min
- 450 l/min
- 660 l/min

Select the appropriate flow rate based on the application requirements to optimize water usage and effectiveness.

Spray Pattern Adjustment

The nozzle features a continuous spray cone adjustment, allowing for various patterns:

- **Full Jet:** A concentrated stream for maximum reach and impact.
- **Spray Jet:** A diffused pattern for wider coverage, cooling, and extinguishing. The fine droplets (approx. 0.3mm) enhance cooling effects.
- **Water Curtain:** A broad, protective curtain of water, useful for personal protection or creating a barrier.

Rotate the front nozzle head to transition smoothly between these patterns. The wide angle spray (over 120°) provides extensive coverage.

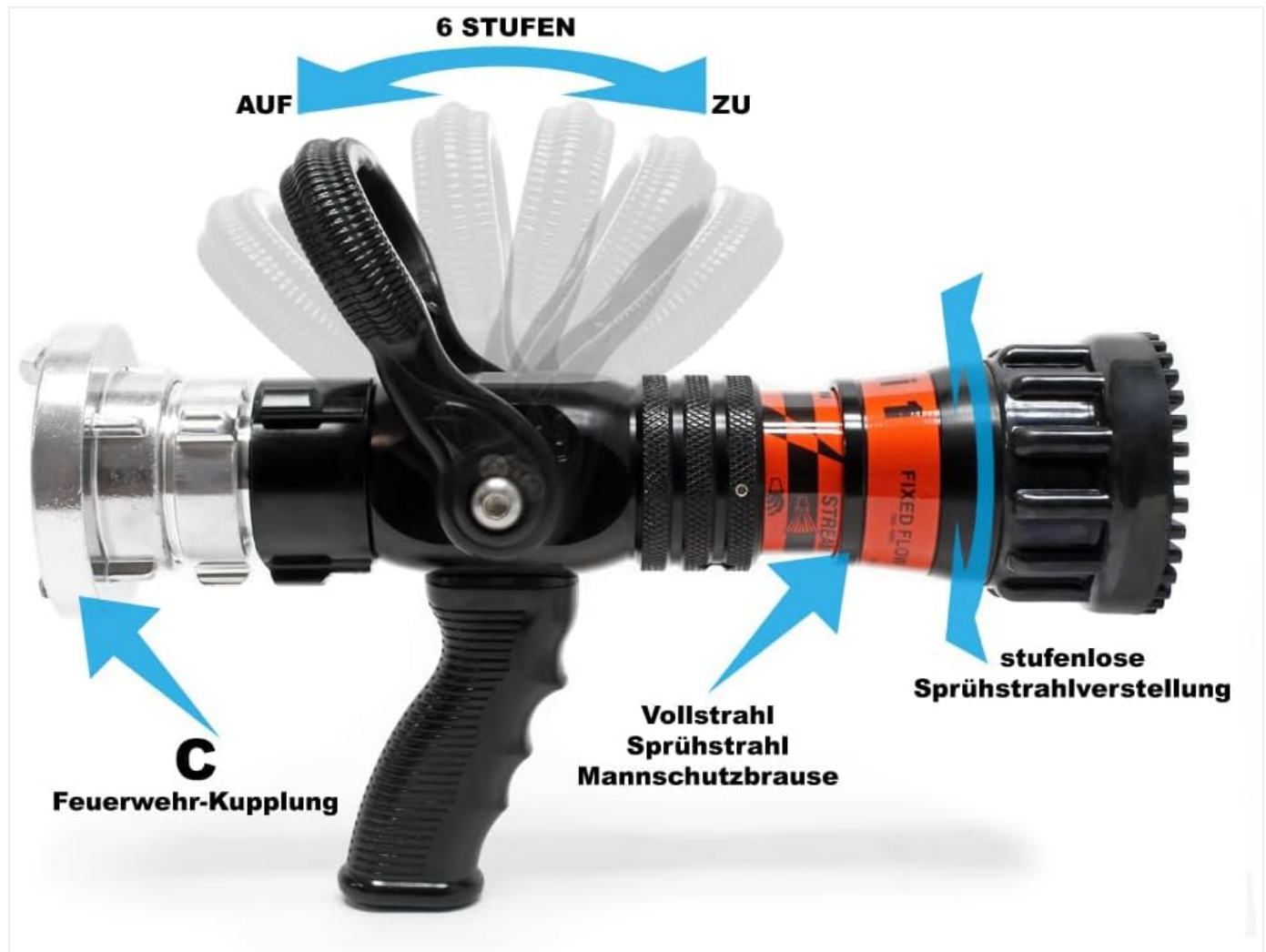


Figure 3: Illustration of adjustable flow rates and spray patterns.

"Flush" Function

The integrated "Flush" function allows for quick internal cleaning to remove dirt particles or foreign objects that may enter the nozzle due to contaminated water. To activate, rotate the designated "Flush" ring or lever (refer to markings on the nozzle) to its open position. This will temporarily increase the flow to clear obstructions. Return the ring/lever to its normal operating position after flushing.

MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your Wiltec C2 Fire Hose Nozzle.

- **After Each Use:**
 - Activate the "Flush" function to clear any internal debris.
 - Rinse the exterior of the nozzle with clean water to remove dirt, mud, or chemical residues.
 - Inspect the Storz coupling gasket for wear or damage. Replace if necessary.
- **Storage:** Store the nozzle in a clean, dry place, away from direct sunlight and extreme temperatures.
- **Periodic Inspection:** Regularly check all moving parts for smooth operation. Lubricate as needed with a suitable, water-resistant lubricant.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced water flow or pressure	Internal blockage (debris, sediment)	Activate the "Flush" function. If problem persists, disconnect and inspect for larger obstructions.
Water leakage from connection	Loose connection, damaged gasket	Ensure connection is tight. Inspect and replace the Storz gasket if worn or damaged.
Difficulty adjusting spray pattern or flow rate	Dirt or grit in adjustment mechanism	Rinse thoroughly with clean water. If necessary, gently clean external moving parts. Do not force adjustments.

SPECIFICATIONS

Feature	Detail
Model	92831
Brand	WilTec
Adjustable Flow Rates	150, 180, 300, 450, 660 l/min
Maximum Pressure	7 Bars (100 psi)
Connection Type	Storz C/52 mm (2")
Material	Aluminum, Plastic
Color	Red / Black / Silver
Dimensions (L x W)	24 cm x 12 cm
Weight	2.27 Kilograms

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Wiltec directly. Refer to the official Wiltec website or your purchase documentation for contact details.

Note: Availability of spare parts is currently unavailable according to product information.

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