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Dixon CN150

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Model: CN150 | Brand: Dixon

PRODUCT OVERVIEW

The Dixon CN150 is a 1-1/2 inch Carbon Steel (CS) Male National Pipe Taper (NPT) Close Nipple, with an overall length (OAL) of 1-1/2 inches. This component is designed for connecting two other threaded fittings or pipes, extending a pipe run, or adapting connections in various industrial and plumbing applications. Its male NPT threads ensure a secure, leak-tight connection when properly installed with compatible female NPT threads.



Figure 1: Dixon CN150 1-1/2" CS Male NPT Close Nipple. This image shows the threaded exterior surface and the hollow interior of the nipple, highlighting its robust construction.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling and installing pipe fittings.
- Ensure the system is depressurized and drained before attempting any installation or maintenance.
- Verify that the nipple's material (Carbon Steel) and pressure rating are compatible with the fluid, temperature, and pressure of the application.
- Do not overtighten fittings, as this can damage threads or crack components. Refer to industry standards for proper torque specifications.
- Store fittings in a clean, dry environment to prevent corrosion and damage to threads.

SETUP AND INSTALLATION

Proper installation is crucial for a leak-free and durable connection. Follow these steps for setting up and installing the Dixon CN150 close nipple:

- 1. Inspect Components:** Before installation, visually inspect the nipple and mating female threads for any damage, burrs, or debris. Ensure threads are clean and free of obstructions.
- 2. Apply Thread Sealant:** Apply an appropriate thread sealant (e.g., PTFE tape or pipe dope) to the male NPT threads of the nipple. Apply sealant only to the male threads, starting from the second thread back from the end, and wrap in the direction of tightening.
- 3. Hand Tighten:** Insert the nipple into the female threaded connection and hand tighten until snug.
- 4. Wrench Tighten:** Using a suitable wrench, tighten the nipple further. For NPT connections, typically 1 to 3 full turns past hand-tight are required, depending on the size and material. Avoid overtightening. Consult relevant piping standards for specific torque recommendations if available for your application.
- 5. Leak Test:** After installation, pressurize the system and carefully check all connections for leaks using an appropriate leak detection method (e.g., soap solution).

OPERATING CONSIDERATIONS

Once installed, the Dixon CN150 nipple operates as a static connection point within a piping system. Its primary function is to facilitate fluid or gas transfer between connected components. Ensure that the operating conditions (pressure, temperature, fluid compatibility) remain within the design limits of all system components, including the nipple. Regularly monitor the connection for any signs of leakage or degradation, especially in systems with vibration, thermal cycling, or corrosive media.

MAINTENANCE

The Dixon CN150 close nipple requires minimal maintenance once properly installed. However, periodic inspection is recommended to ensure continued integrity of the connection:

- Visual Inspection:** Periodically inspect the nipple and surrounding connections for signs of corrosion, cracks, deformation, or leakage.
- Leak Checks:** Re-perform leak checks if any changes are made to the system or if a leak is suspected.
- Cleaning:** If the system is disassembled, clean the threads of the nipple and mating components thoroughly before reassembly. Remove old thread sealant completely.
- Replacement:** If the nipple shows signs of damage, excessive corrosion, or if threads are stripped, it must be replaced immediately. Do not attempt to repair damaged threads.

TROUBLESHOOTING

Most issues related to pipe nipples stem from improper installation or material incompatibility. Here are common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Leakage at connection	Insufficient thread sealant	Disassemble, clean threads, reapply sealant, and reassemble. Replace damaged nipple or fitting. Ensure proper thread type compatibility.
	Damaged or dirty threads	
	Insufficient tightening	
	Overtightening (damaged threads)	
	Incompatible thread types (e.g., NPT with NPS)	
Nipple cannot be fully tightened	Cross-threaded	Disassemble, inspect threads, clean, and reattempt. Verify correct thread size and type for mating components.
	Debris in threads	
	Incorrect thread size or type	

SPECIFICATIONS

Attribute	Detail
Brand	Dixon
Model Number	CN150
Part Number	CN150
Connector Type	Nipple
Thread Size	1-1/2 inch (1.5 inch)
Thread Type	NPT (National Pipe Taper)
Exterior Finish	Carbon Steel (CS)
Overall Length (OAL)	1-1/2 inch
Measurement System	inch
Manufacturer	Dixon Valve & Coupling
ASIN	B00LT0TXY4

WARRANTY INFORMATION

Specific warranty details for Dixon products, including the CN150 close nipple, are typically provided by the manufacturer or authorized distributors at the time of purchase. As a general guideline, Dixon Valve & Coupling stands behind the quality and craftsmanship of its products. For detailed warranty terms, conditions, and duration, please refer to the documentation included with your purchase or contact Dixon Valve & Coupling directly.

Note: Warranties generally cover defects in materials and workmanship under normal use and service. Damage resulting from improper installation, misuse, alteration, or exposure to incompatible substances may not be covered.

SUPPORT AND CONTACT

For technical assistance, product inquiries, or support regarding the Dixon CN150 close nipple, please contact Dixon Valve & Coupling or your authorized Dixon distributor.

- **Manufacturer:** Dixon Valve & Coupling
- **Website:** www.dixonvalve.com (Please visit the official website for the most current contact information and resources.)
- **Customer Service:** Refer to the "Contact Us" section on the official Dixon website for phone numbers, email addresses, and regional support details.

When contacting support, please have your product model number (CN150) and any relevant purchase information ready to facilitate a quicker resolution.

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