Clean Storm 54676554, Basic 2 Inch Dustdowner Water Injection Fitting, Vacuum Hose, FG0051, AH128



Model Number: 54676554

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Manufacturer: Clean Storm

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Description

The Clean Storm 54676554 Basic 2-Inch Dustdowner continuously sprays fine water mist inside your 2" vacuum hose to control airborne dust, dry dirt, air duct debris, and concrete slurry during vacuuming operations. Designed to connect inline between two sections of 2-inch vacuum hose, this commercial-grade hose insert fitting uses an integrated high-efficiency spray nozzle to knock down volatile particulate matter before it reaches your vacuum recovery tank, filter bags, or HEPA filtration systems. Operating best when placed upstream from your truckmount, carpet extractor, or shop vacuum, the Dustdowner gives water ample time to mix with dry pollutants, extending vacuum filter life and dramatically improving indoor air quality during air duct cleaning, concrete restoration, and drywall remediation jobs.

Video

Features

- Heavy-Duty Hose-to-Hose Connection: Features a dual 2.0-inch barbed plastic connector (AH76) for secure, leak-resistant inline joining of standard 2" vacuum hoses.
- Precision Water Atomization: Outfitted with a premium Spraying Systems VeeJet 1/4" MPT 110015 brass nozzle (B240) with a 9/16" hex base, delivering a precise 110-degree flat spray pattern into the airflow.
- Standard Quick-Connect Inlet: Includes a brass Foster 1/4" Male Quick Disconnect (B101 / NA0801 / PX5) for seamless pairing with standard solution hoses and pressurized water lines.
- Inline Dust Suppression: Injects fine water droplets directly into the moving air stream to neutralize airborne dust, air duct contamination, and toxic concrete silica particles.
- Durable Construction: Built with high-impact molded hose barbs and solid brass fluid components engineered to withstand rugged restoration and jobsite conditions.
- Extends Equipment Life: Protects vacuum blowers, motor turbines, and costly HEPA filters from premature clogging, abrasive wear, and fine particle bypass.

Applications

- HVAC & Air Duct Cleaning: Injects moisture into high-velocity vacuum lines during duct agitation to suppress loose dirt, dust mites, and debris.
- Concrete Slurry & Silica Dust Control: Safely suppresses fine concrete dust and slurry created during floor grinding, polishing, sawing, and surface prep work.

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• Dry Vacuuming Operations: Allows wet/dry extractors and truckmount systems to safely pick up dry powders, soot, and fine dry dirt without blowing dust through exhaust lines.
• Carpet & Restoration Jobs: Useful for inline water injection during heavy restoration, mold remediation, and flood cleanup site preparation.
• Equipment Compatibility: Connects directly inline with standard 2" ID vacuum hoses used on truckmount extractors, portable carpet extractors, commercial shop vacs, and air duct cleaning vacuums.

Included

Foster NA0801 Male Brass Quick Disconnect, QD 1/4in fip X 1/4in, B101 - PX5 - B001 - QD40

Spraying Systems B240, VeeJet 1/4in MIP Brass Spray Nozzle, 9/16in Hex, 110015

Clean Storm AH76 2IN Barbed X2IN Barbed Plastic Hose Insert Joiner Fitting Truck Mount Vac Hose Connector GTIN 796916032494

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Specifications

Brand
Clean Storm

Manufacturer Part Number (MPN)
54676554

Product Name
Basic 2 Inch Dustdowner (Vacuum Hose Water Injection Fitting)

Vacuum Hose Connection Size
2.0 Inches ID (Barbed x Barbed Inline Fitting)

Water Inlet Connection
1/4 Inch Male Quick Disconnect (Foster B101 / NA0801 / PX5)

Spray Nozzle Type
Spraying Systems VeeJet 1/4" Male NPT 110015 Brass Nozzle (B240, 9/16" Hex)

Nozzle Spray Pattern / Angle
110 Degree Flat Fan Spray Pattern

Nozzle Flow Capacity
0.15 GPM @ 40 PSI (110015 orifice rating)

Barbed Hose Fitting Model
AH76 (2.0 in Barbed X 2.0 in Barbed Plastic Insert)

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Primary Materials
High-Impact Plastic Polymer (Connector Body), Solid Brass (Quick Disconnect & Spray Nozzle)

Swivel Mechanics
Non-Live / Rigid Mechanical Thread Assembly (Installation Alignment Only)

Operating Pressure Range
40 PSI to 500 PSI Maximum Operational Pressure

Maximum Water Temperature
Up to 180°F (82°C) continuous

Cross-Reference SKUs

54676554

FG0051

AH128

370523888914

Air Care FG0051

Clean Storm 54676554

AH76

B101

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NA0801

PX5

B240

VeeJet 110015

Clean Storm Dustdowner 2in

Tips and Additional Information
Proper Hose Placement: Connect the 2-inch Dustdowner fitting between two lengths of 2" vacuum hose, positioned several feet away from your vacuum machine or truckmount recovery tank. Giving the injected water mist adequate travel distance inside the hose ensures complete encapsulation and mixing with dry dust or slurry particles before reaching the vacuum filter.
Thread Sealing Practices: When replacing or maintaining the 1/4" NPT brass spray nozzle or quick disconnect fittings, always apply PTFE thread tape or liquid pipe thread sealant to male NPT threads to prevent air leaks and maintain proper vacuum lift performance.
Live vs. Non-Live Components: The fluid connections on this assembly are rigid, non-live threads intended for installation positioning only. Do not attempt to rotate or twist pressurized fittings during operation, as this will strain the threaded joints and potentially cause water leaks.
Pre-Installation Inspection & Nozzle Care: Inspect the inner spray orifice regularly for mineral scale build-up or fine debris blockage. Clogged nozzles alter the spray pattern and reduce mist coverage inside the vacuum hose. Clean nozzle tips using compressed air or soft bristle brushes—never use metal needles or wire that can damage the precision brass orifice.
Frequently Asked Questions
Q: What is the main purpose of a 2-inch Dustdowner?
A: The Dustdowner injects a fine water spray directly into your 2" vacuum hose line. This suppresses airborne dust, dry dirt, and concrete slurry particles on contact, preventing dry debris from clogging filter bags, destroying vacuum blowers, or venting back into the jobsite air.
Q: What size vacuum hoses are compatible with this unit?
A: This unit features dual 2.0-inch hose barbs designed to fit standard 2-inch inner diameter (ID) commercial vacuum hose sections used in carpet cleaning, air duct

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cleaning, and wet/dry extraction systems.
Q: What pressure line do I connect to the water inlet?
A: The Dustdowner is equipped with a standard 1/4" Male Quick Disconnect (Foster B101 style). You can attach it to any pressurized fresh water line, auto-fill kit, or standard carpet cleaning solution hose delivering between 40 PSI and 500 PSI.
Q: Can I use this unit dry without turning on the water spray?
A: Yes, you can leave the fitting installed inline as a standard 2" hose coupler when water mist suppression is not required. However, for maximum efficiency during dry pickup, hook up your solution line to activate internal dust control.
Warranty & Safety Information
Manufacturer Warranty Coverage: Clean Storm products are backed by a standard 1-year limited manufacturer warranty covering defects in material craftsmanship and component assembly under normal operating conditions.
Conditions Voiding Warranty: The warranty will be voided if the unit is operated above the maximum pressure (500 PSI) or temperature (180°F) limits, subjected to corrosive chemicals unsuited for brass and plastic polymers, or subjected to mechanical impact damage. Modifications, overtightening pipe threads resulting in cracked fittings, or using non-live connections as high-speed rotational joints will also nullify warranty coverage.
High-Pressure & Jobsite Safety Guidelines: Always relieve fluid system pressure before disconnecting the 1/4" quick disconnect fitting to prevent high-pressure liquid spray hazards. Ensure both 2-inch vacuum hoses are firmly clamped over the barbed ends using hose cuffs or stainless gear clamps to prevent accidental disconnects during high-lift vacuum operations..

Optional

Clean Storm Complete Auto Fill and Auto Dump Hot Water Connection Kit 20121201

Upgrading from carpet and tile cleaning to air duct cleaning? What options Are There?

Equipment: Air Duct Cleaning Machines > Turbo Brite Duct Cleaning Packs > Clean Storm 54676554, Basic 2 Inch Dustdowner Water Injection Fitting, Vacuum Hose, FG0051, AH128

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Availability: This product was added to our catalog on Friday 11 December, 2015

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