

The Next Generation of Fire Rated Ductwork

Impact Resistant and Reliable. **DuraDuct GNX** is the solution you can trust.

DuraDuct GNX

The Next Generation

The ONLY
UL/ULC Fire Rated
Duct System that
does not require
additional wraps
or enclosures.

DuraDuct Model GNX is the lightest 2-hour fire rated duct system offered by DuraSystems. GNX uses a unique and patented double wall construction to create a safer environment when used in standard fire resistant applications. The DuraDuct GNX was developed to be a problem solver. GNX is a medium pressure fire rated duct system. Use the slim profile to your advantage and eliminate the additional space taken by bulky wraps and enclosures. DuraSystems created the very first fire rated duct system and is once more leading the evolution within the industry.

DuraDuct GNX. The Next Generation has arrived.



DuraDuct GNX Product Features:

- Lightweight construction allows for use of Unistrut cradles
- Impact and moisture resistant
- Easily inspected after installation
- Negative & positive pressure applications
- Robust construction
- Excellent sound breakout properties (see chart on page 2)
- Substantial space saving – Eliminates bulky shaft wall and wrap enclosures
- Slim profile
- Single trade installation
- Factory fabricated for fast assembly & installation on site
- Maintenance free
- Tested hanger & fire stopping methods
- Cost effective

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United States Patent Number ...7195290B2
Canadian Patent Number.....2450977



The Passive Fire Protection Specialists

Fire Rated Ductwork You Can Trust

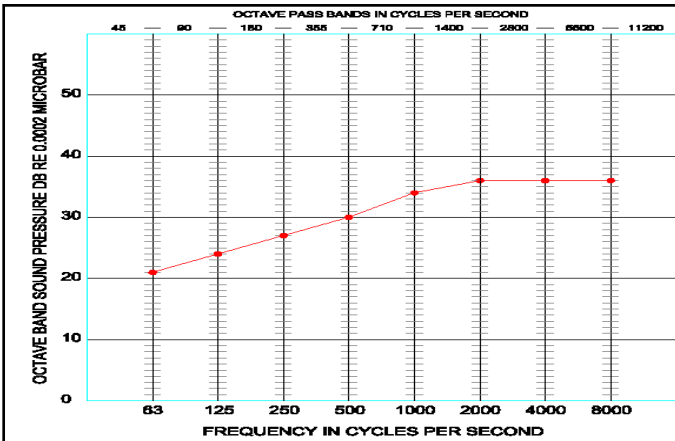
DuraDuct GNX Pressure Testing Results

Positive Pressure systems tested to 8" w.c.
Negative Pressure systems tested to 6" w.c.

DuraDuct GNX has been pressure tested to create a life safety duct system that you can trust. This medium pressure duct can be used to carry larger volumes of air while still fitting into the cramped ceiling spaces and shafts of today's buildings. Use this double wall duct to eliminate the tedious work of inspecting duct gauges to meet requirements of wrap listings. Let GNX reduce your fire rated duct footprint, further saving space, time and money.



Break-In, Break-Out Noise

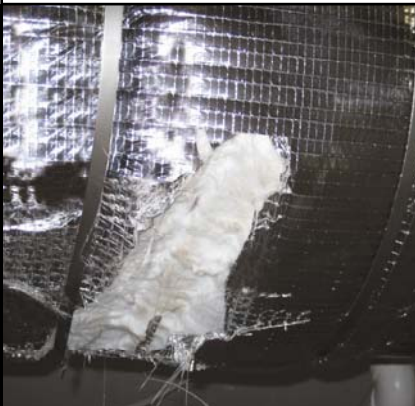


DuraDuct GNX Transmission Loss Ratings

DuraDuct GNX has fire resistance and sound breakout properties that combine to create a life safety duct system that is designed to be operated at higher static pressures and air velocities through the occupied areas of buildings. Use DuraDuct GNX to run ducting through noisy spaces such as a generator. DuraDuct GNX will keep the noise from breaking into the duct and traveling downstream to occupied spaces. Also utilize the GNX system to keep the noise within the duct system when passing through quiet occupied spaces.

GNX is Slim, Robust and Impact Resistant

Wrap systems are easily damaged.



DuraDuct GNX The Simple yet Sophisticated solution

Specify DuraDuct GNX as your standard fire rated duct solution to provide unmatched space savings, impact resistance and reliability. With an overall footprint just 1/2" (12.5mm) larger than standard TDC/TDF ductwork, it is the slimmest design on the market. Maximize ceiling height in cramped parking garages or reduce the footprint of service shafts. Also use the GNX system to eliminate multiple trade co-ordination in mechanical rooms and ceiling spaces. The GNX system is also maintenance free system



DuraDuct GNX. The simple choice.

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DuraSystems Model GNX Fire-Rated Duct System

This space saving, fire-rated duct system will arrive on the project site ready for installation. Once installed, the fire resistance rating is achieved immediately without the need for bulky wraps or enclosures of any kind, thus eliminating multiple trade coordination and improving the overall schedule.

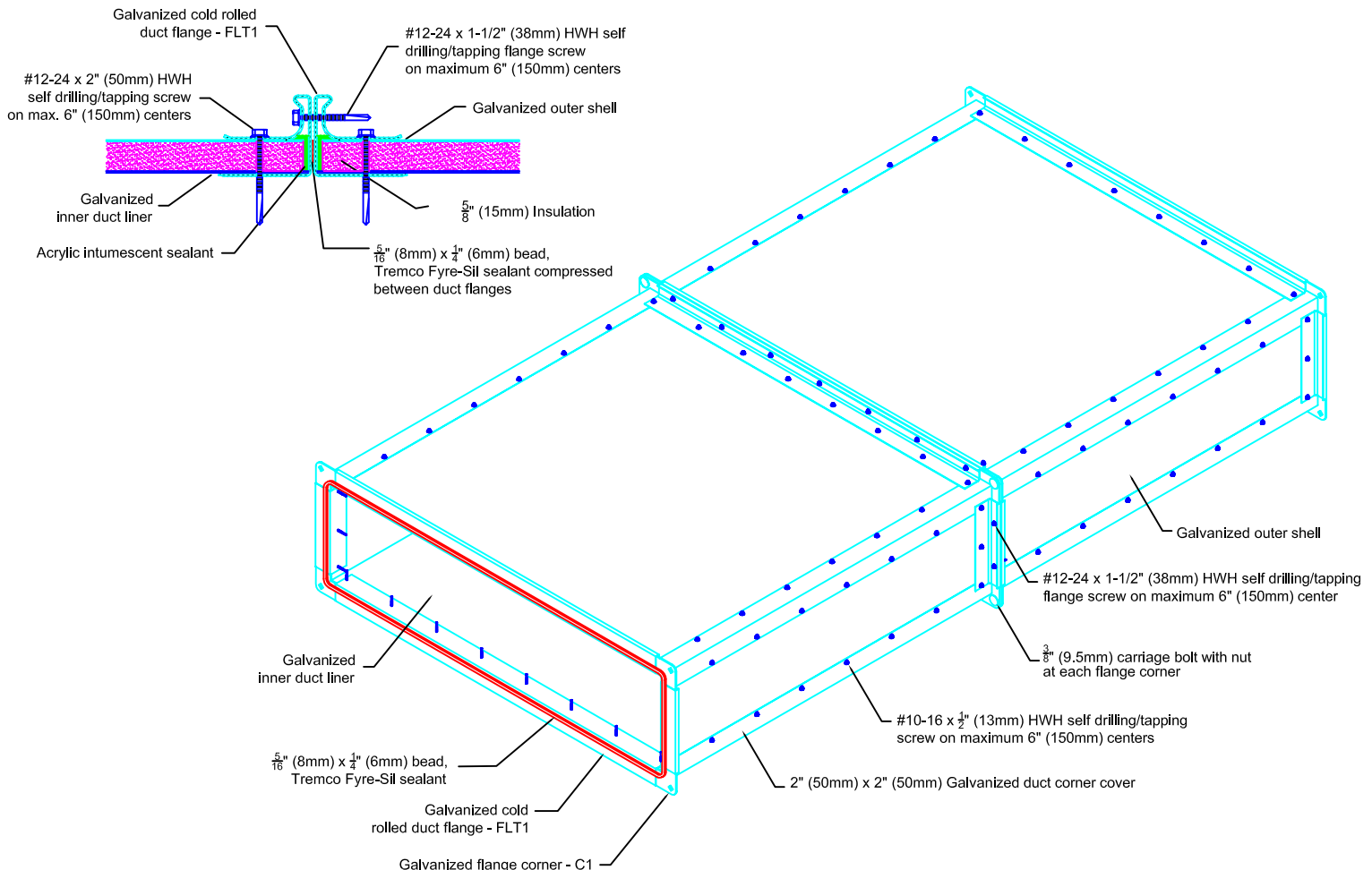
DuraDuct GNX is the third of the 2-hour fire rated ventilation systems tested and manufactured by DuraSystems, and consists of a series of prefabricated sections. DuraDuct GNX is the lightest weight DuraDuct fire rated system. This easy to install system is joined together using a 4 bolt type connection system familiar to most installing contractors. DuraDuct GNX features a double wall construction with each duct section consisting of an outer sheet metal liner, insulation and an inner sheet metal liner.

All of the DuraDuct systems are suspended on steel threaded rods and support cradles that are fully tested under fire conditions.

The DuraDuct GNX is under the UL/ULC factory follow-up program. Listing information is available at www.ul.com.

Typical Applications:

- Stairwell, vestibule and elevator pressurization
- Exhaust systems
- Parking garage ventilation
- High transmission loss ductwork
- Hazardous material removals
- Fire rated high pressure/velocity applications





The Passive Fire Protection Specialists

DuraDuct Model GNX - Sample Specification

Product Description

Prefabricated flanged duct sections with an overall wall thickness of 11/16" (16.5mm) having the required pcf density and thickness to provide 2-hour fire resistance with a galvanized or stainless liner and galvanized or stainless steel impact resistant barrier determined by the nature of the installed environment. The duct assembly will have a minimum 2-hour fire resistance rating; determined in accordance with ISO 6944 and shall bear the UL/ULC mark.

Construction

Insulation Material - 5/8" (15mm) thick fire resistant insulation.

Reinforcing Angles - Steel angle framing for assembly of panel. Adjacent sections of duct to have companion flanges.

Inner Liner - Galvanized or Stainless steel inner duct liner.

Exterior Casing - Galvanized or Stainless steel exterior casing.

Flange - Type FLT1; Galvanized cold rolled duct flange.

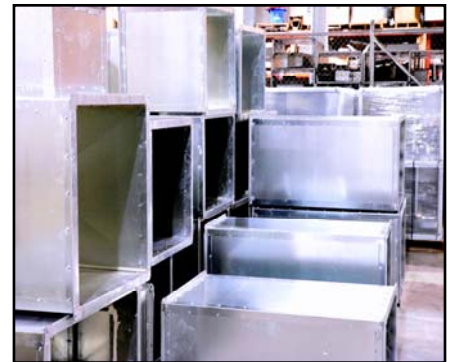
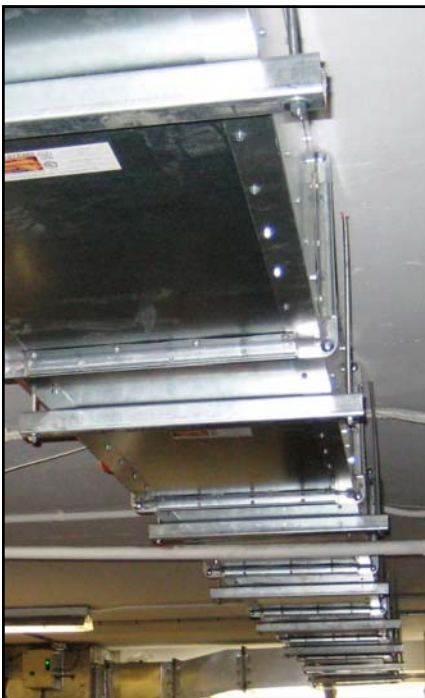
Corner - Type C1; Galvanized flange corner.

Edge Coping - Galvanized steel edge coping.

Installation

Install fire rated duct systems in accordance with their listings and the manufacturer's installation instructions.

Use hanging methods and systems in accordance with their listings. Firestop all locations where the fire rated duct passes through a fire rated separation with a Listed Firestop system approved for use with the duct systems being installed. All material and equipment under this section is to be supplied and installed by one contractor, thus providing the complete fire rated ductwork system.



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