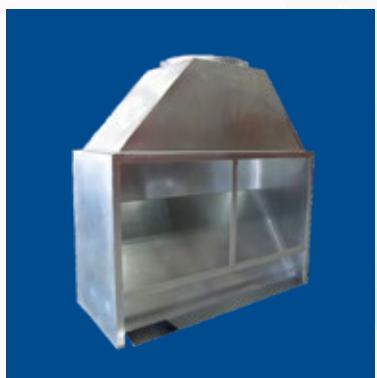




## DUCTWORK MADE EASY



**WINDFIELDS**  
MECHANICAL GROUP INC

Phone: (416) 423-6885

Cell: (905) 922-7257

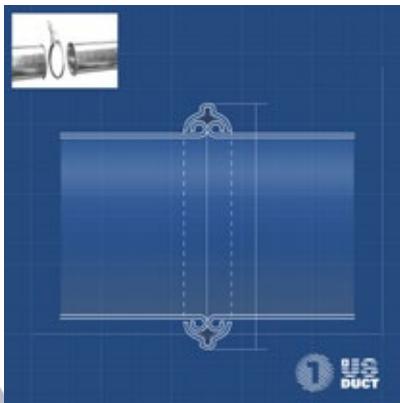
Email: [estimating@windfieldsmechanical.ca](mailto:estimating@windfieldsmechanical.ca)

Website: [www.windfieldsmechanical.ca](http://www.windfieldsmechanical.ca)

# DUCT TYPES

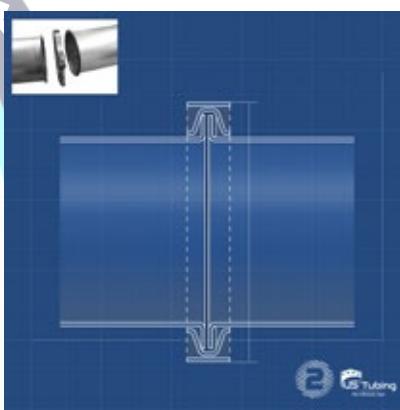
US Duct is the only manufacturer offering multiple connection systems. Choose the system that's right for you, depending on your application. All components, special and custom fabrications, can be manufactured in the connection type of your choice. Laser welding is available on all applicable products, gauges and materials.

## TWO CLAMP TOGETHER DUCT SYSTEMS



### Rolled-Lip (Gasketed Clamp)

US Duct's Rolled-Lip Clamp Together System utilizes a rolled edge that is formed on the end of all parts. The lips are joined together with a gasketed, over-center clamp. The clamp pulls the ends together and envelopes them inside the sealing gasket. This clamp-together system reduces installation time up to 70%. An adjustable sleeve and collar found on the end of each fitting allows for infinite adjustments in the field. Visit [ClampThatDuct.com](http://ClampThatDuct.com) for more info.



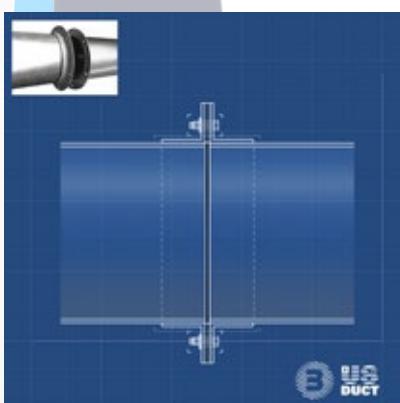
### Vanstone Edge (Fully Gasketed Edge)

US Tubing, our airtight Clamp-Connect System is a modular, laser welded, clamp-and-gasket joining system that is guaranteed to be leak-free. Each component terminates in a turned out lip on each end. A v-shaped gasket fits over one lip at each joint and then the connection is completed using an adjustable clamp. When the clamp is tightened, it compresses the gasket between the pipe edges to form an airtight seal. An adjustable sleeve pipe allows for easy adjustments in the field.

Visit [TheUltimateSeal.com](http://TheUltimateSeal.com) for more info.

## TWO FLANGE DUCT OPTIONS

US Duct provides duct with traditional flanges (angle rings) in black iron, galvanized or stainless steel (SS) with or without holes in sizes 3" and up. These flanges are either placed behind turned-out pipe edges or welded to the end of each component. The two flanges at each joint are bolted together, with or without a sealing gasket.



**Vanstone** - This term refers to a technique where a flange is used to mate 90° lips turned onto the pipe or duct component. In this method the flange is placed onto the pipe, the lip turned back and the flange is trapped behind it and can spin freely.

**Welded** - These flanges are welded to the duct and the faces of the flanges are the mating surface. Gaskets are often added between the flanges to create an even tighter seal.

CLAMP TOGETHER

# ROLLED LIP

CLAMP TOGETHER

LASER WELDED CLAMP TOGETHER DUCT - UPTO 70% FASTER!



At US Duct we know Clamp Together. Available in diameter sizes 3"-24", in galvanized and SS, in standard and heavy (up to 10) gauge. In addition to laser welded 5' pipe sections, we provide all necessary components and special fittings. The system is designed to be infinitely adjustable with adjustment capability made possible using our 11" adjustable sleeve and the collars of every fitting (elbows, branches, reducers). While Clamp Together Duct is often the fastest, easiest and cheapest way to address many dust collection applications, it is often best used in conjunction with other connection methods as dictated by application or duct size. Our extensive knowledge will enable you to get the best solution-for the application and budget using the duct that best fits your need - all from one place! Learn more at [www.ClampThatDuct.com](http://www.ClampThatDuct.com)

CLAMP TOGETHER

# VANSTONE EDGE

CLAMP TOGETHER

US TUBING, OUR AIRTIGHT, LEAKFREE CLAMP CONNECTION  
PRODUCT IS THE ULTIMATE SEAL! ®

US Tubing, our airtight Clamp-Connect system is a modular, laser welded, clamp-and-gasket joining system that is guaranteed to be leak-free. Each component terminates in a turned out lip on each end. A v-shaped gasket fits over one lip at each joint and then the connection is completed using an adjustable clamp. When the clamp is tightened

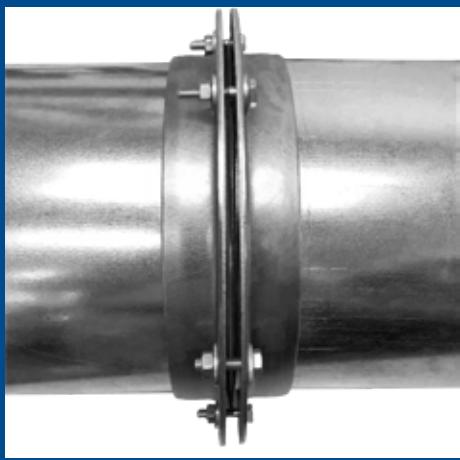
compresses the gasket between the pipe edges to form an airtight seal. The components (pipe, branches, elbows, etc.) are standard 16 gauge metal (galvanized, stainless steel, painted) with a range of 22 to 16 gauge available upon request. The pipe comes in standard 59" lengths which can be easily clamp-connected together to produce long runs. An adjustable sleeve pipe allows for easy adjustments in the field.



The convenience of clamp together duct AND the tight seal of flange. Visit [TheUltimateSeal.com](http://TheUltimateSeal.com) and let Myles show you how US Tubing is the best of both worlds!



# FLANGE DUCT OPTIONS



YES! We Have Flanged Duct. US Duct provides duct with flanges (angle rings) in black iron, galvanized or SS and with or without holes. The duct to which these flanges are attached is available in sizes 3" and up, and also in black iron, galvanized or SS. Construction methods range from laser welded pipe and mechanically locked elbows (in lighter gauges) to tig/mig welded pipe and components in heavy gauge (even up to 1/4") -all depending upon the application. Flanges can be loose (Vanstoned) or Welded to the pipe/components.

**Vanstone** - This term refers to a technique by which a flange is used to mate 90 degree lips turned onto the pipe or duct component. In this method the flange is placed onto the pipe, the lip turned back and the flange can be spun to mate to the next pipe.

**Welded** - This refers to the fact that the flanges are welded to the duct and the faces of the flanges are the mating surface as opposed to the Vanstone where the duct lips are mating. The flanges can be full welded (meaning that there is a continuous weld) or intermittently welded (meaning that there is a weld an intervals around the duct).

## CUSTOM FABRICATIONS

*FROM THE HEAVIEST TO THE SMALLEST PRODUCTS*

Utilizing your designs or ours, US Duct can fabricate virtually any sheet metal product you might need. From light gauges up to 1/4" steel, we can produce the custom fabrication that you need, be it a tiny hood or a truck load of armor rated plate boxes.



# —SPECIAL SOLUTION PRODUCTS—

COMPONENTS AND ACCESSORIES TO MEET YOUR SPECIAL APPLICATION REQUIREMENTS.

These unique solutions solve many common ductwork challenges and include special hood designs, automatic gates and diverter valves, oil/effluent system fittings, exhaust stacks and valves, and our patented Spark Trap (see Spark Trap page).



**Hey! Don't see what you're looking for?**

Visit [DuctFabrications.com](http://DuctFabrications.com) for a complete list of our products and capabilities.

# LASERWELDING

*THE QUALITY OF THE JOB IS ONLY AS GOOD AS THE QUALITY OF THE PRODUCT*

When it comes to welding, nothing is more precise or pristine than laser welding. US Duct now offers laser welding for all of our clamp connection pipe. The laser weld offers you a variety of benefits:



• Weld strength: The welded area is stronger than the steel itself. The laser weld is narrow with an excellent depth-to-width ratio and higher strength.

• Precision work: The clean weld avoids the added bulk of a lock-seam or tig/mig welding and thus allows for easier cutting of the pipe for adjusting length while creating an easier fit for the adjustable sleeve.

• Uniformity: Parts have minimal deformity or shrink.

You can now enjoy all of the benefits of laser welding from The Duct Guys of US Duct.

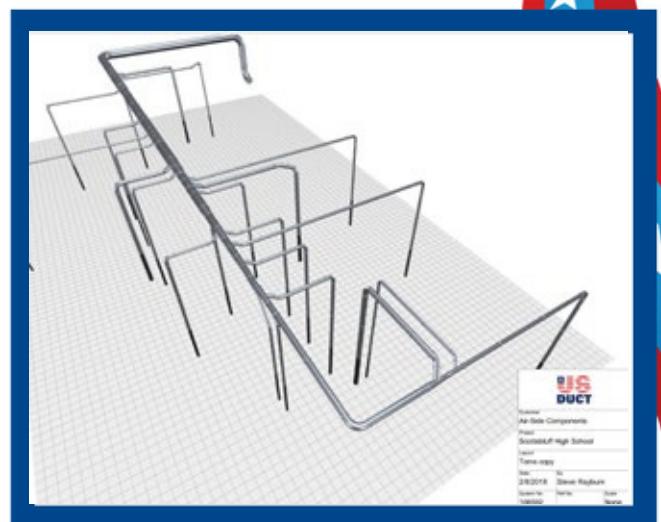
## DUCTQUOTE.COM

*DESIGN, ESTIMATE AND QUOTE IN ONE EASY STEP*

US Duct offers a web-based drawing and estimating program: DuctQuote. With the launch of its new DuctQuote.com program, the company enables Industrial Ducting professionals to dramatically reduce system design and installation time.

Users can use DuctQuote to design dust/mist/fume collection systems at a rate of 20 machine connections per hour. Because the program is web based, users can login from any browser using their unique user ID and password.

Users simply draw in the duct path and input the desired velocity and CFM. Then DuctQuote.com sizes the duct,



generates a quote including parts list and pricing, and also calculates pressure loss. The program allows users to send customers realistic, interactive 3D drawings that help close jobs. And finally, DuctQuote produces a detailed 3D drawing with corresponding parts list to save time and money during installation. All projects are stored online for future user access and edits.

# SPARKTRAP

ALL SPARKTRAPS AREN'T CREATED EQUAL!

Patent Number 10,119,443



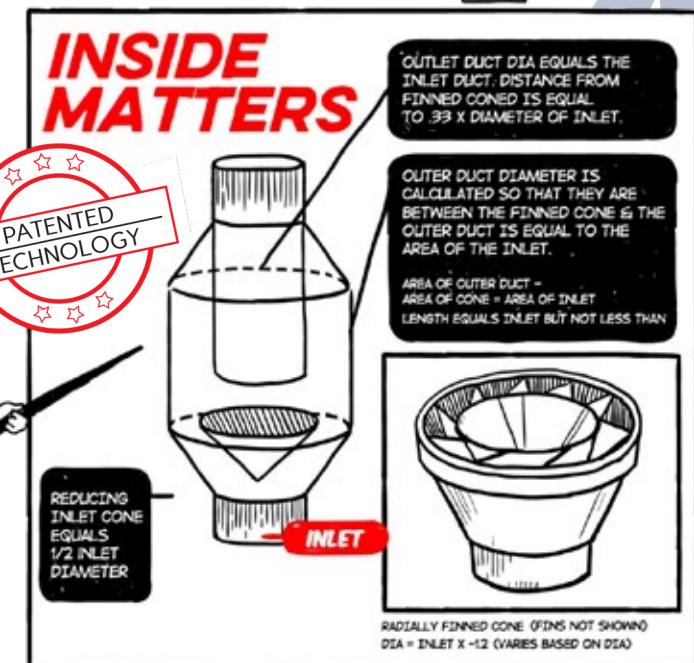
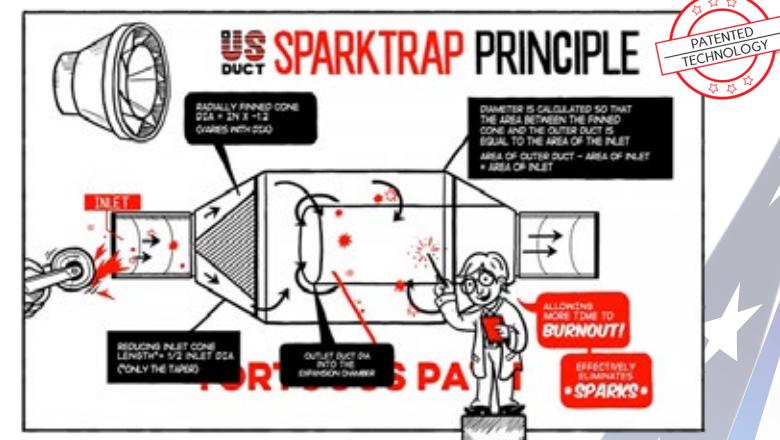
Looking inside, the problem with most spark traps is they simply swirl the air. Well, that isn't a problem anymore with US Duct's new spark trap. Its patented technology "tumbles" the ember through a "Tortuous Path" forcing contact with more oxygen, and allowing more time for the spark to burn out.

Because of the custom cone and the outlet inset design, our spark trap effectively eliminates sparks before they can exit the trap and thus, it can be installed right at the dust collector, adding convenience and eliminating distance requirements!

While a lot of spark traps may look the same on the outside, it's what's on the inside that counts. Know the difference and get the real Spark Trap from US Duct!



[WWW.THEREALSPARKTRAP.COM](http://WWW.THEREALSPARKTRAP.COM)



# US DUCT'S MISSION

**WE MAKE SELLING INDUSTRIAL DUCTWORK EASY!**

**It Is As Easy As 1-2-3...4**



1. Get a Duct Guy - Contact US Duct and we'll answer the phone (no voicemail jail). Talk to a seasoned duct professional. Get expert help and more duct options than anyone else can offer. Have a drawing and need a take-off? Need a drawing and specifications? We'll handle it. Depending on the project scope, we can even provide you with an online 3D drawing to share with your customer!



2. Get the sale - We provide you with detailed quotes, FAST! Plus, we'll even help you present it to your customer and provide you with all of the literature and support materials that you need to make the sale.



3. Get duct - Approve the quote and tell us when you need it shipped. We ship based on your schedule, not ours. Benefit from our 7-step quality checks. Get complete packing lists, shipping updates and installations sheets.



4. Get paid - We ship your duct with everything your customer needs to get it done-so you get paid: Installation instructions, drawings and support phone numbers. No ugly ducting, just quality duct. We'll commission you or bill you for the resale (Just pay based on predetermined terms).

All the while offering you the best in

**Quality | Service | Delivery | Price | Design**



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