

## Greenseam - Snap Lock Duct

We all know having a edge in an ever growing competitive market place can be the difference between losing and winning jobs. Everyone is looking at ways to reduce material and installation costs, whilst providing energy savings and product guarantees to customers.

Duct leakage is a common problem that refers to pittsburg and flange joints under pressure not being sealed properly. With Green seam snap lock duct there is a gasket composition in the longitudinal seam which has been applied in manufacturing. This snap locked duct has been tested and has a ###% air tight seal.

In most cases fans are oversized to compensate for leakage and can still meet the requirements of the application. But excessive fan energy is used to provide the required flow rates. For example if a system has 10% leakage and the fan design was originally 5HP. The motor required to overcome the 10% loss will be  $5HP \times (1.1)^3 = 6.5HP$ . So in this case the customers will pay for an extra 1.5HP of fan operation for the life of the building.

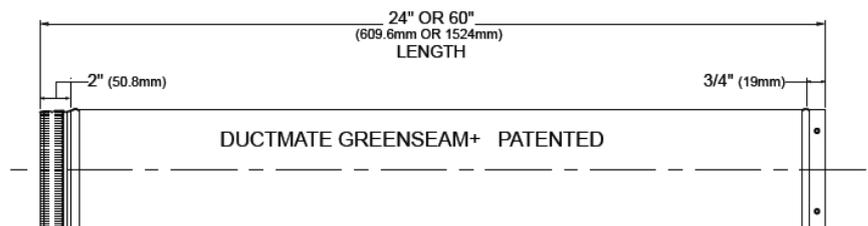
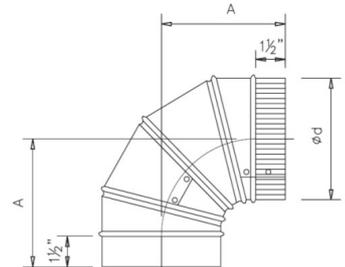
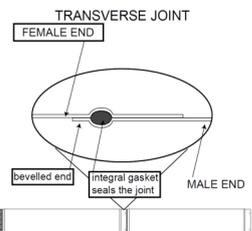
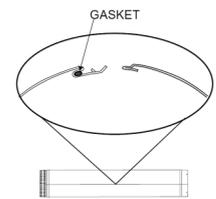
Return and Exhaust ducts are the same. When excessive leakage through exhaust duct occurs, it is sometimes impossible to obtain the required air changes in these applications. When this happens it leads to stuffy and stagnant areas due to the duct leakage causing capacity issues.

This is were the Green seam snap lock duct lengths come into their own. With quick installation time, low leakage, off the shelf item and easy to transport . If definitely ticks allot of boxes and would be a far superior installation in certain applications.

Another general ductwork problem is the restriction of air flow around bends, take off's and off sets. Green seam has a range of products to over come some of these issues. As some instances are unavoidable on site with a fire pipe or other services in the ductworks path, restrictive off sets are generally required. With Green seam adjustable 90° bends, this could sometimes be avoided with a more free flowing option without the annoyance of costly site measures.



LONGITUDINAL SEAM



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## Greenseam - Fittings

Take off's from the main supply duct can also be another problem with the general use of castellated collars / bell mouth spigots. Green seam have a range of high efficiency take off's which is elongated to capture more passing air at the access point. Fitted with ductmate's low leakage hardware and adhesive insulation tape for a better seal at the penetration point.

GreenSeam is designed to target highly efficient systems that are designed to conform to the Leadership in Energy and Environmental Design (LEED) rating system as well as the Green Building Initiatives. It is available in galvanized, aluminum, and 304 stainless steel. The pipe is also available in 24 and 26 gauges and lengths of 600mm and 1500mm. The button lock meets the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) duct construction standards for round duct snap lock seams RL-8, and the Reeves lock meets the SMACNA RL-6A and 6B requirements.



### **WIN A ???**

Simply purchase \$500.00 worth of Greenseam product to be automatically in the draw. Winner will be announced in next months newsletter.

### **WINNER OF THE WEBER BBQ**

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## Specials

### **DW-PROSEALT**

PROseal 315ml Tube

Minimum Purchase—100 Tubes

**\$3.20 + GST each**

### **DW-PROSEAL1**

PROseal 3.79L Pail

Minimum Purchase—4 Pails

**\$30.00 + GST each**

### **DW-EZ50**

3/4 EasyRod Insert

Minimum Purchase—250 pieces

**\$0.50 + GST each**

### **DW-AF984/96**

Shurtape 96mm x 46 meters

Minimum Purchase—18 pieces

**\$12.50 + GST each**