



Pneumatic Accessories, Connectors and Tubing

Calibration Dynamics are not only able to supply all of the miniature pressure scanning systems required for testing but also the complete range of Scanivalve Pneumatic Connectors and Tubing necessary to link the systems together. These are widely used for many applications including Aerodynamic Testing, R&D and Laboratory Use, Gas Turbine and Engine Tests, as well as for general Industrial Testing applications. Although these miniature pneumatic pressure accessories and connectors are designed to complement the Scanivalve range of Intelligent Pressure Scanning Equipment they are generally compatible with other manufacturers items where 0.031", 0.040", 0.063" and 0.125" O.D pressure fittings and accessories are utilised.

Plastic Tubing

Calibration Dynamics stocks clear plastic tubing suitable for the standard sizes of stainless steel tubulations. Standard stocked tubing materials are Urethane, Nylon, Vinyl and Teflon and are typically available in either 500ft or 1000ft spool lengths.

These materials are suitable for a range of temperature and pressure applications.



Tubulations



We are able to supply a complete line of stainless steel tubulations. These tubulations are bulged on one end to ensure a gas tight connection. Scanivalve tubulations come in stock length sizes up to 4" but can also be manufactured to order to better suit your application requirements.

Scanivalve tubing and tubulations can be further complimented with the use of helical tubing clamps, and sealant providing for higher pressure applications or where a more permanent fit is required.



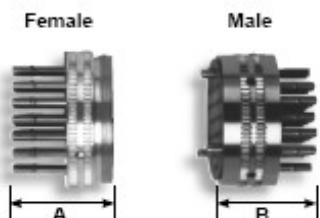
Tube Connectors



Tube connectors are made by cementing stainless steel tubulations into colour coded aluminium blocks. As an option these can be supplied with a brass body and soldered tubulations for safety critical applications. These items are available in a number of designs providing for flexibility of installation. Connectors are available in Silver, Gold, Black, Red, Green and Blue to further aid identification and ease of installation.



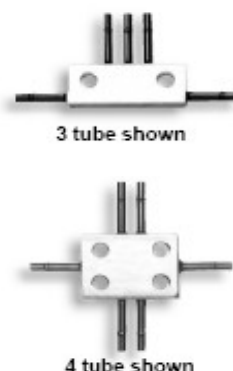
Circular Connectors



A number of quick disconnects and round connectors are available allowing for test break points and the quick connection, disconnection, of multiple measurement tubes. These items are typically available in Male, Female and Female Bulkhead fittings with a range of tubulation sizes, channel densities and packages to suit most applications.

Pneumatic Manifolds

Scanivalve pneumatic manifolds are available in either single or double manifold designs. These items can be supplied with either 0.040", 0.063" or 0.125" O.D tubulations and can be customer specified with up to 12 tubulations on the single manifolds or 24 tubulations on the doubles. These can be supplied in various colours if required



Rectangular Connectors



Rectangular connectors provide an alternative connector, based on an anodised aluminium block with cemented tubulations. These are assembled with a caged o-ring type gasket for a gas tight seal. Connectors are available in 0.031", 0.040", 0.063" and 0.125" O.D tubulations with 8, 10 or 12 tube designs. To provide further flexibility each half can be fitted with different O.D tubulations.

Rectangular Pattern Connector

The Scanivalve rectangular pattern connector is ideal for making a quick disconnect at break points. It is panel mounted and contains stainless steel tubulations. Each side of the connector can also have different sized tubulations for added flexibility. O-rings are incorporated into the threaded half of the connector along with mounting holes to ensure a gas tight fit.



In short, with over 3000 standard items and the ability to manufacture to customers specific requirements, we are able to supply the complete line of tubing and accessories needed to install your pneumatic system.

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