

STREAM

Placement Guidelines



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Before Installation

Handling Considerations

Install *STREAM* according to Scout's installation instructions, taking care to avoid dropping, impacting or otherwise mishandling the system. Typical handling methods can generally be used with *STREAM*, taking into account dimensions, weight and other risk factors. If uncertainty exists with the methods being used, contact a Scout representative for guidance.

Always inspect the *STREAM* system prior to installation to guarantee the system is as expected and in good condition. If needed, contact a Scout representative.

General Placement Requirements

STREAM has been characterized in several common placement configurations. If your installation location does not match a characterized setup, contact a Scout representative for guidance. Installation in arrangements outside tested configurations may result in degraded system performance. While field calibration is possible, it is not generally recommended due to the challenges of field measurement.

Avoid installing *STREAM* where:

- condensing moisture will collect on the system
- corrosive fumes are present in the air
- sufficient straight duct runs cannot be obtained

The distances from sources of turbulence are minimum distances. If insufficient straight duct is present, accuracy will be unpredictably compromised, and a different installation location should be found. If *STREAM* must be installed in such a location, field calibration of the system may be required to meet your needs.



If *STREAM* is installed in stratified airflow, install probes perpendicular to the stratification. If probes are installed parallel to the stratification, airflow of only one velocity range will pass over the sensors, misrepresenting the total range of flow in the duct.



This mark indicates an important point for the proper function of this product. Improper setup may cause unit failure. Pay close attention to all caution points throughout this manual.

For local area support, please contact your local Scout Technologies Representative.

For more information visit [ScoutTechnologies.com](https://www.scouttechnologies.com)

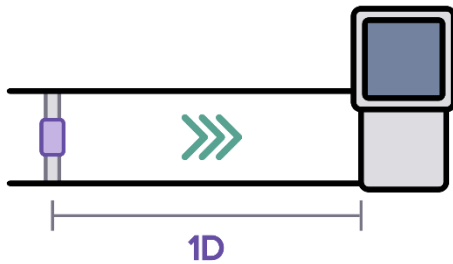
Minimum Placement Requirements

The following installation scenarios have been tested. All recommended distances are in duct diameters (indicated by D). If the duct intended for installation is a rectangular duct, the equivalent duct diameter can be calculated as follows by using the duct height (H) and width (W):

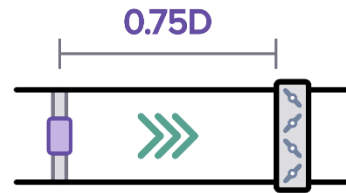
$$D = 2 \times \frac{H \times W}{H + W}$$

If $D \leq 1'$, use a value of $D = 1'$.

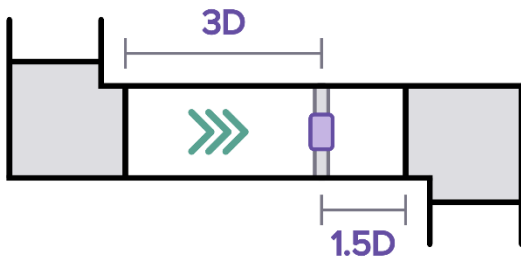
NOTE: Unless otherwise specified, all accuracies are to within 3%.



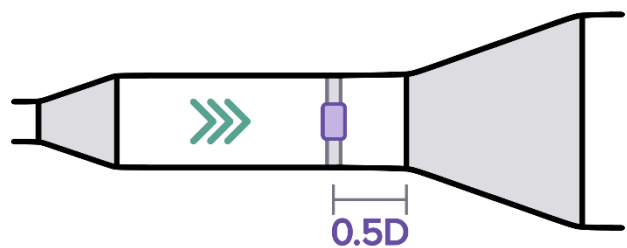
Centrifugal Fan Inlet



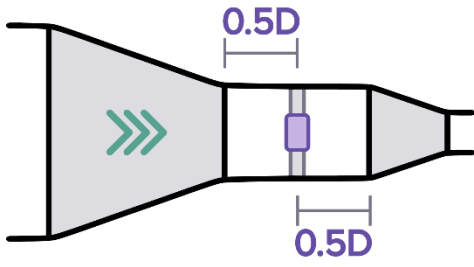
Upstream of In-Duct Damper



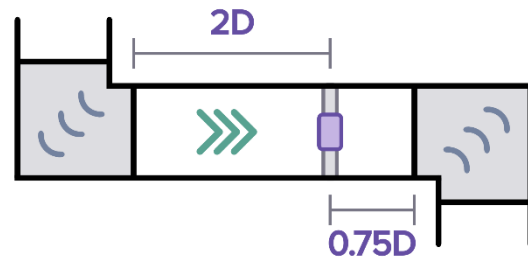
Unvaned Elbow



Expanding Transition



Reducing Transition



Vaned Elbow

Technical Support

If technical support is required, please contact us.

Our contact information can be found on our website under [Contact Us](#).

Hours of Operation: Monday – Friday, 8:00 AM – 4:30 PM CT.

NOTE: If you require support after hours, please contact us 48 hours in advance.