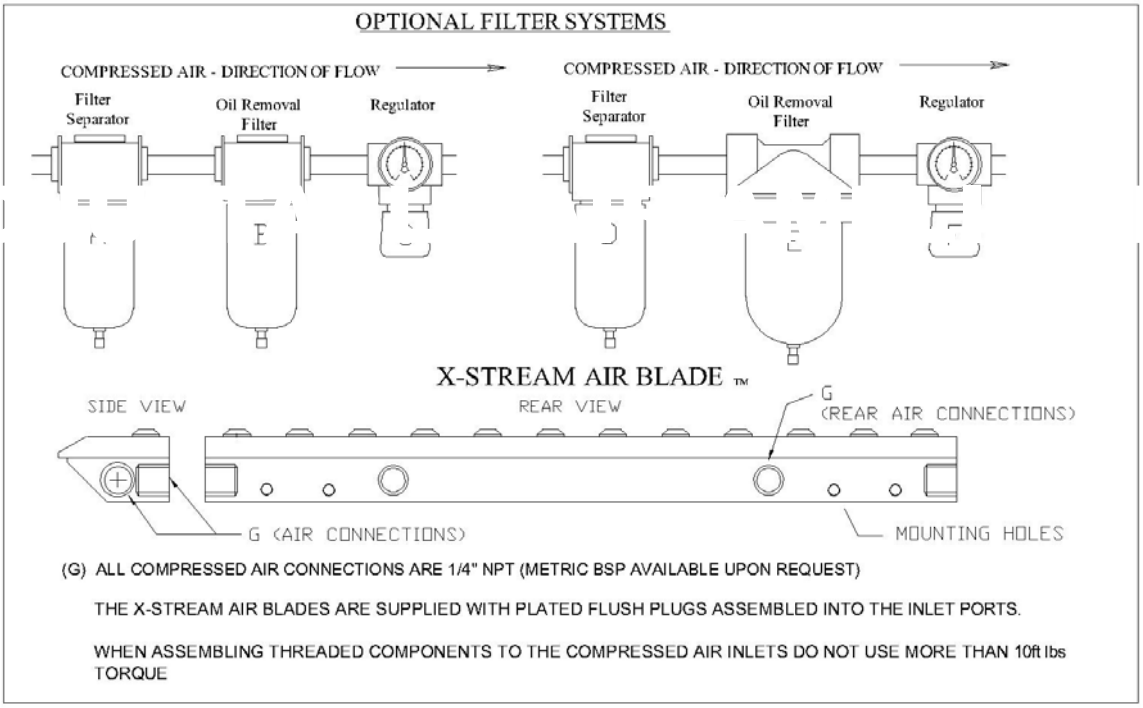
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# NEX FLOW™ X-STREAM AIR-BLADE™ INSTALLATION & MAINTENANCE




## Installation and Size of Compressed Air Lines

It is important to keep air line sizes large enough to minimize pressure on X-Stream Air-Blade™ air knife or series of them connected together to produce a longer length of airflow.

X-Stream Air-Blade™ air knives may be connected end to end by using the rear entry ports to “butt” together for continuous flow at longer lengths. In this situation, a “manifold” can then feed each of the air knives via the ports. For longer lengths of 24” and longer, it is best to feed both ends. Always feed into each port if there is more than one.

The table on the next page (fig.1) indicates recommend-ed pipe sizes for various “total” lengths of X-Stream Air-Blade™ Air Knives. For hoses, increase the recommended size by one size larger than what is shown.

## Care of the Compressed Air Supply

Because X-Stream Air-Blade™ Air Knives utilize a small “gap” for the air outlet, it is important to keep the air lines free of moisture, oil and dirt. Keep out dirt and the units will run virtually maintenance free.

For water removal, a minimum 10 micron filter complete with an automatic (float type) drain is recommended (item labelled A for small air knives and D for larger air knives). It should be sized to handle the total airflow of the X-Stream Air-Blade™ Air Knives at the pressure they will be used. If oil could be a concern, an oil removal filter (labelled B for small air knives and E for larger lengths) should be added downstream from the water removal filter and should also have an automtic (float type) drain. Again, they should be sized to handle the total flow of the X-Stream Air-Blade™ Air Knives. Filters should be mounted near any X-Stream Air-Blade™ Air Knive system, typically within 10 to 15 feet.

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