

Flow Bank Assemblies

Optimum Flow Bank™ design requires the installation of a pressure transducer at each Flow Bank location. The Flow Bank Assembly™ provides the necessary equipment. It includes either one or two Flow Banks and a High Resolution Pressure Transducer™ on a rugged, easy to install, stainless steel bracket. The pneumatic connection between the pressure transducer and the Flow Bank is made using a 1/8-inch, preformed stainless steel tube.

Flow Bank Assembly part number variations generally pertain to the types of pneumatic tubing fittings supplied on the Flow Banks and possible transducer options. When ordering, please reference the descriptions below or the chart located at the end of this catalog section.

SPECIFICATIONS

Material

The Flow Bank Assembly bracket is .062 inch (1.57 cm) stainless steel. The Flow Bank is nickel-plated brass with a silicone rubber gasket. Fittings are nickel, plated brass or stainless steel (depending upon model). High Resolution Pressure Transducer is constructed of nickel-plated brass with a mineral filled, nylon center barrier plate. Pneumatic tube between transducer and Flow Bank is stainless steel, 1/8 inch (0.3 cm) O.D and 1/16 inch (0.16 cm) I.D. Wall thickness is approximately .035 inch (0.09 cm).

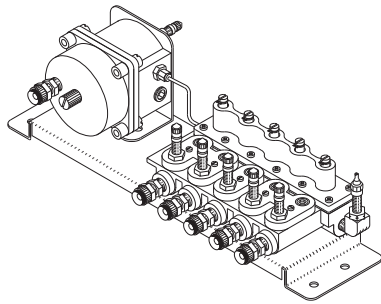
Dimensions

Single Assembly: 13 inches (33 cm) wide x 3 inches (7.6 cm) high; Double Flow Bank Assembly: 19 inches (48.3 cm) wide x 3 (7.6 cm) inches high; both brackets contain three ¼ inch (0.6 cm) mounting holes on the two mounting flanges.

Shipping Weight

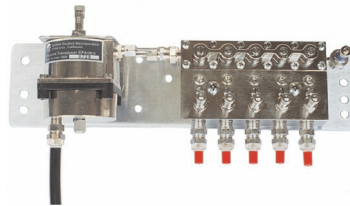
The 3300 model weighs approximately 7.75 pounds (3.5 Kg), and the 3301 model weighs approximately 11.5 pounds (5.2 Kg).

Note: For additional information on Flow Banks and Pressure Transducers, refer to the catalog Specifications information for these products.



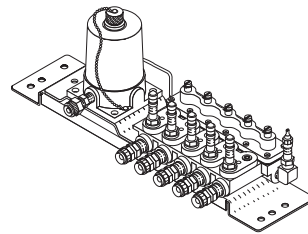
MODEL DESCRIPTIONS

9800-3300-BS-0 Manifold, Flow Bank, Assembly, Single, SSI Pressure Transducer, 3/8" Brass Fittings



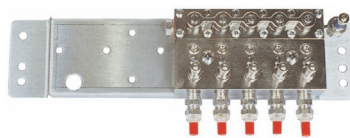
Optimum Flow Bank design requires the installation of a pressure transducer at each Flow Bank location. The Flow Bank Assembly provides the necessary equipment (Flow Bank and High Resolution Pressure Transducer) on an easy to install, stainless steel bracket. This version of the Flow Bank Assembly includes a single Flow Bank, equipped with five nickel-plated brass, ¼ inch (0.6 cm) NPT to 3/8 inch (1 cm) tubing connector fittings and one High Resolution Pressure Transducer.

9800-3300-BS-U Manifold, Flow Bank, Assembly, Single, UE Resistive Pressure Transducer, 3/8" Brass Fittings



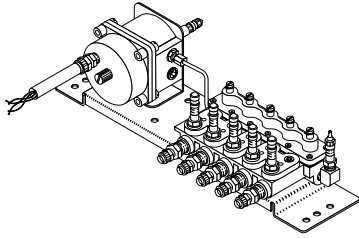
This Flow Bank Assembly differs from the one described above in that it is supplied with a resistive pressure transducer. The most common type of device sold with this assembly is a 0-9.5 PSI United Electric Transducer (please call for availability of other manufacturer's types of transducers). Please note that the Flow Bank is equipped with 1/4" NPT to 3/8" tubing connector fittings.

9800-3300-BS-9 Manifold, Flow Bank, Assembly, Single, No Transducer, 3/8" Brass Fittings



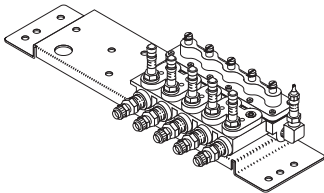
For customers preferring to use their own pressure transducers to monitor Flow Bank delivery pressure, a Flow Bank Assembly without a transducer can be ordered. This assembly is supplied with a universal mounting bracket to accommodate most common transducers. As in the examples above, this "BS" version designates a Flow Bank equipped with 1/4" NPT to 3/8" tubing connector fittings.

9800-3300-BT-0 Manifold, Flow Bank, Assembly, Single, SSI Pressure Transducer, 1/4" Brass Fittings



This Flow Bank Assembly consists of one Flow Bank and a High Resolution Pressure Transducer installed on a stainless steel bracket. The Flow Bank is equipped with five nickel-plated brass, 1/4" NPT to 1/4" tubing connector fittings.

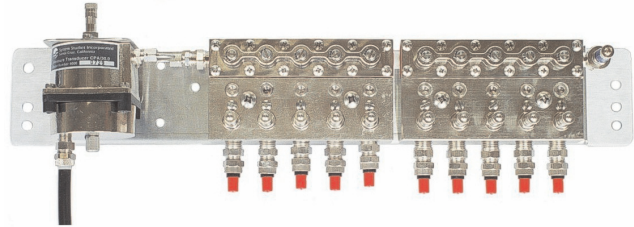
9800-3300-BT-9 Manifold, Flow Bank, Assembly, Single, No Pressure Transducer, 1/4" Brass Fittings



This Flow Bank Assembly does not include a transducer; however, it does contain a universal mounting bracket to accommodate most transducers. As in both examples above, the "BT" designation indicates

that the Flow Bank is equipped with five 1/4" NPT to 1/4" tubing connector fittings.

Please note that the assemblies listed below contain two Flow Banks instead of one. In all other respects they are identical to those listed above. Model variations pertain to the last three characters in the part number. Please refer to the corresponding designations above, or to the ordering chart at the end of this catalog section, for a description of model differences.



9800-3301-BS-0 Manifold, Flow Bank, Assembly, Dual, SSI Pressure Transducer, 3/8" Brass Fittings

9800-3301-BS-U Manifold, Flow Bank, Assembly, Dual, UE Resistive Pressure Transducer, 3/8" Brass Fittings

9800-3301-BS-9 Manifold, Flow Bank, Assembly, Dual, No Pressure Transducer, 3/8" Brass Fittings

9800-3301-BT-0 Manifold, Flow Bank, Assembly, Dual, SSI Pressure Transducer, 1/4" Brass Fittings

9800-3301-BT-9 Manifold, Flow Bank, Assembly, Dual, No Pressure Transducer, 1/4" Brass Fittings

The words Flow Bank™, Flow Finder Manifold™, Flow Finder™, Flow Direction Gauge™, High Resolution Pressure Transducer™, and Flow Bank Assembly™ are trademarks of System Studies Incorporated.

FLOW BANK ASSEMBLY

PART NUMBER	FITTING*	Transducer TYPE**
3300 ONE FLOW BANK (For Five Cables)	BS, BT	0, 9, U
3301 TWO FLOW BANKS (For Ten Cables)	BS, BT	0, 9, U

Please note that a part number, fitting and Transducer type must be specified for each Flow Bank Assembly when ordering.

***Fitting:**

BS Flow Bank(s) supplied with nickel-plated brass, standard tubing connectors. For use with 3/8 inch plastic tubing.

BT Flow Bank(s) supplied with nickel-plated brass tubing connectors. For use with 1/4 inch plastic tubing.

****Transducer Type:**

0 System Studies High Resolution Pressure Transducer

9 None

U United Electric resistive pressure transducer

Ordering Examples:

If you ordered Part Number 3301-BT-9, for example, you would receive an assembly with two Flow Banks equipped with 1/4 inch tube to 1/4 inch NPT-M fittings on each of the ten flow ports. This assembly would not include a pressure transducer.

A 3300-BS-0 shown below, would specify a single Flow Bank with nickel-plated brass tubing connectors on each of the five flow ports. The Flow Bank would be monitored by a High Resolution Pressure Transducer.

