

COOLANT MANIFOLDS



The Coolant Manifold is used in Arctic Fox® Fuel & Fluid Management Systems to help the distribution of coolant through multiple heat exchangers. It may also be used to eliminate the use of multiple wye and tee fittings and to reduce the number of connections.

BENEFITS

- Prevents potential leak points which can cause loss of system efficiency
- Reduce the number of connections in the heating system

WHERE TO USE

- Mining
- Oil & Gas
- Heavy Duty Trucks
- Vocational Truck

MANIFOLDS: COOLANT DISTRIBUTION



SPECIFICATIONS

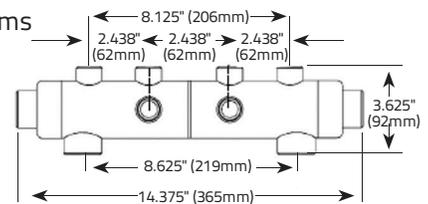
ST-1596 — Dual chamber, typically used on systems with up to a 50 thousand BTU coolant preheater.

Input Connections:

- One 1" NPT inlet
- One 1" NPT outlet
- Three ½" NPT outlets

Output Connections:

- One 1" NPT inlet
- Three ½" NPT inlets
- One 1" NPT outlet



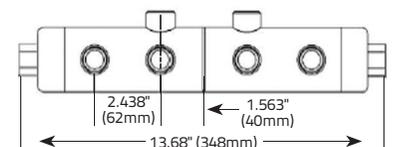
ST-1596SC — Dual chamber, typically used on Scania vehicles.

Input Connections:

- One ½" NPT inlet
- Three ½" NPT outlets

Output Connections:

- Three ½" NPT inlets
- One ½" NPT outlet



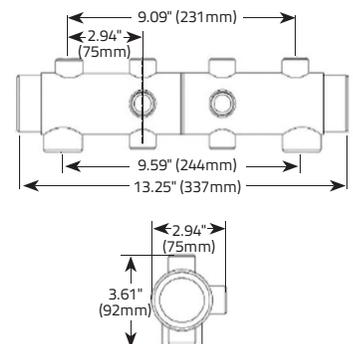
ST-2520 — Dual chamber, typically used on systems with a 80—100 Thousand BTU coolant preheater.

Input Connections:

- One 1½" NPT inlet
- One 1" NPT outlet
- Four ½" NPT outlets

Output Connections:

- One 1" NPT inlet
- Four ½" NPT inlets
- One 1½" NPT outlet



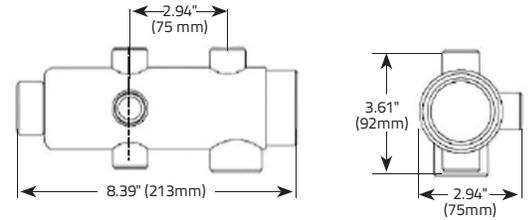
COOLANT MANIFOLDS

MANIFOLDS: COOLANT DISTRIBUTION

ST-2580 — Single chamber, typically used in place of multiple Tee's.

Connections:

- One 1½" NPT
- Two 1" NPT
- Four ½" NPT ports



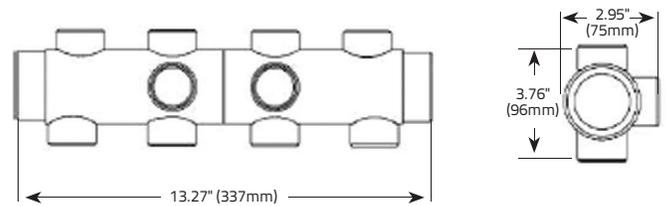
ST-5136 — Dual chamber, typically used on systems with a 80-100 Thousand BTU coolant preheater.

Input Connections:

- One 1½" NPT inlet
- Five 1" NPT outlets

Output Connections:

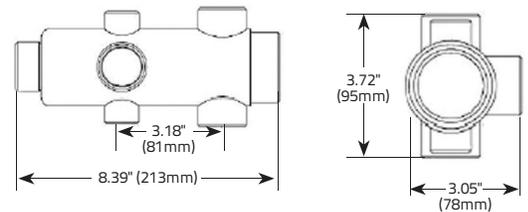
- Five 1" NPT inlets
- One 1½" NPT outlet



ST-5809 — Single chamber, typically used in place of multiple Tee's.

Connections:

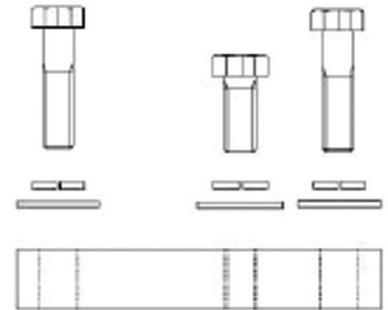
- One 1½" NPT
- Four 1" NPT
- Two ½" NPT ports



KT-5812 — Used to mount ST-5809 manifold to 3500 series Caterpillar engines

Kit Contents:

- One Manifold Spacer Plate
- Two M12 x 1.75 x 50 Bolts
- Two ½ x 13 x 2 Bolts
- One ½ x 1.5 Bolt
- Three ½ SAE Flat Washers
- Three ½ SAE Spring Lock Washers
- Two ½ UNC Nuts



A-5562 — Single chamber, vertical mount, typically used when multiple SF-5139 heater exchangers are used in parallel, or as an extension.

Connections:

- One 1½" NPT inlet
- Four 1" O.D Hose barb outlets
- One ¾" NPT outlet

