



## Why use Stainless Steel manifolds on your next project?

### Create a Professional Appearance

- After the installation, manifolds are one component homeowners and builders will actually see.

### Versatility

- 1 to 12 circuits
- 1" and 1-1/2" trunks
- 4-wire actuators for individual circuit control
- Mounts in a 2x4 wall
- Easy to add extra circuits
- Bring supply/return in from either end

### Save Time on Installation

- Seamless, one-piece construction
- Already mounted on brackets
- Easy to balance flow or find air-locked circuits with flow meters
- Easy to measure zone temperature drop
- Complete circuit isolation

#### Optional Accessories:

- Vent/Purge assembly
- End cap
- Pressure differential by-pass
- Thermal actuators
- Trunk isolation valves with temperature gauges
- Flow Meter with internal circuit isolation valve
- Sweat and NPT transitional fittings\*
- IsoTherm
- Manifold Boxes\*

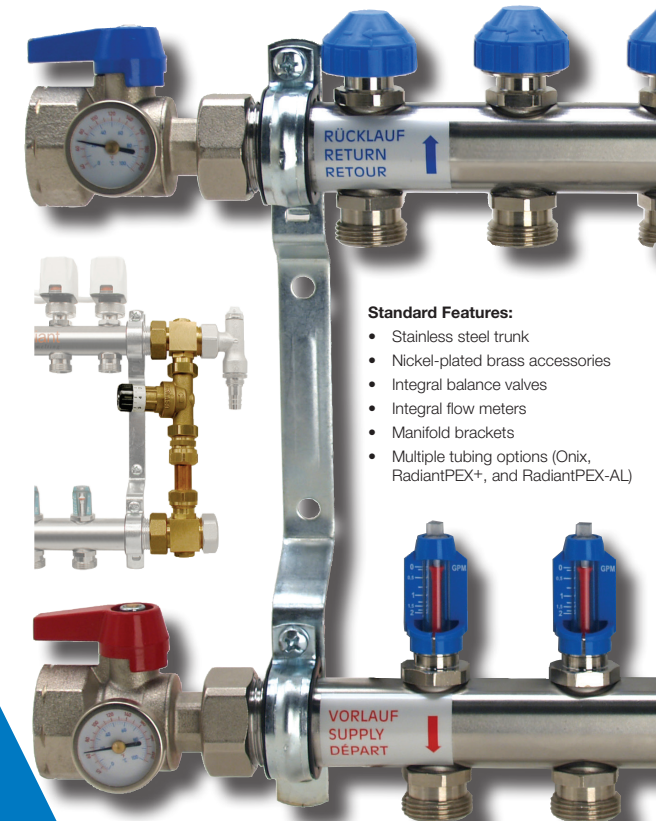
# Professionals Choose Stainless

*“I chose Watts Radiant's stainless manifolds because of what they could do. I keep using them because of the response my customers have.”*



Watts.com

Give your customers what they need by giving them what they want.



#### Standard Features:

- Stainless steel trunk
- Nickel-plated brass accessories
- Integral balance valves
- Integral flow meters
- Manifold brackets
- Multiple tubing options (Onix, RadiantPEX+, and RadiantPEX-AL)

USA: Tel: (800) 276-2419 • Fax: (417) 864-8161 • WattsRadiant.com  
 Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • Watts.ca  
 Latin America: Tel: (52) 81-1001-8600 • Watts.com

| Technical Details          | 1"                 | 1-1/2"             |
|----------------------------|--------------------|--------------------|
| Trunk Material             | AISI 304 Stainless | AISI 304 Stainless |
| Nominal Trunk Size         | 1" id              | 1-1/2" id          |
| Circuit Spacing            | 2-1/8" oc          | 2-1/8" oc          |
| Thread/Connection Type     | BSP Thread         | BSP Thread         |
| Max. Trunk Flow Rate       | 12 gpm             | 22 gpm             |
| Max. Circuit Flow Rate     | 2.0 gpm            | 4.0 gpm            |
| Max. Operating Temperature | 194°F              | 194°F              |
| Max. Operating Pressure    | 87 psi             | 87 psi             |

**1" Stainless Steel Manifold Product Options**

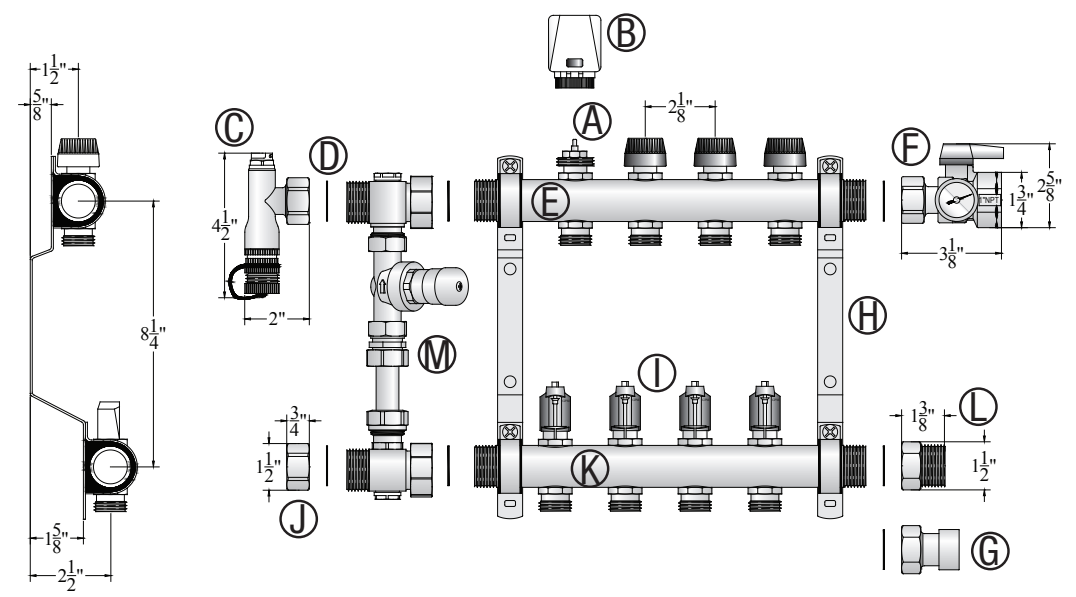
| Description                              | Part #      | Order #  |
|--|-------------|----------|
| M-2 Manifold Pair                        | D3803002SS  | 81001981 |
| M-3 Manifold Pair                        | D3803003SS  | 81001982 |
| M-4 Manifold Pair                        | D3803004SS  | 81001983 |
| M-5 Manifold Pair                        | D3803005SS  | 81003398 |
| M-6 Manifold Pair                        | D3803006SS  | 81001984 |
| M-7 Manifold Pair                        | D3803007SS  | 81003682 |
| M-8 Manifold Pair                        | D3803008SS  | 81001985 |
| M-9 Manifold Pair                        | D3803009SS  | 81003687 |
| M-10 Manifold Pair                       | D3803010SS  | 81001986 |
| M-11 Manifold Pair                       | D3803011SS  | 81003688 |
| M-12 Manifold Pair                       | D3803012SS  | 81001987 |
| 1" Kit with FNPT Isolation Ball Valves   | DK1000      | 81003736 |
| 1" Kit with 1" MNPT Manifold Adapters    | DK2000      | 81003939 |
| 1" Kit with 3/4" Sweat Manifold Adapters | DK7000      | 81005455 |
| 1" Kit with 1" Sweat Manifold Adapters   | DK3000      | 81005369 |
| 1" FBSP x MBSP Manifold Elbow            | D3517020-N  | 81005364 |
| Red Trunk Iso Valve w/ Temp Gauge        | D4201725-NR | 81001995 |
| Blue Trunk Iso Valve w/ Temp Gauge       | D4201730-NB | 81001994 |
| Add-a-Zone (M-1) Assembly                | D3804000SS  | 81002934 |
| Valve Actuator                           | PZ656104    | 81001541 |
| Pressure Differential By-Pass            | D4402050    | 81005345 |
| IsoTherm Mixing Module                   | D3803995    | 81005361 |

**1-1/2" Stainless Steel Manifold Product Options**

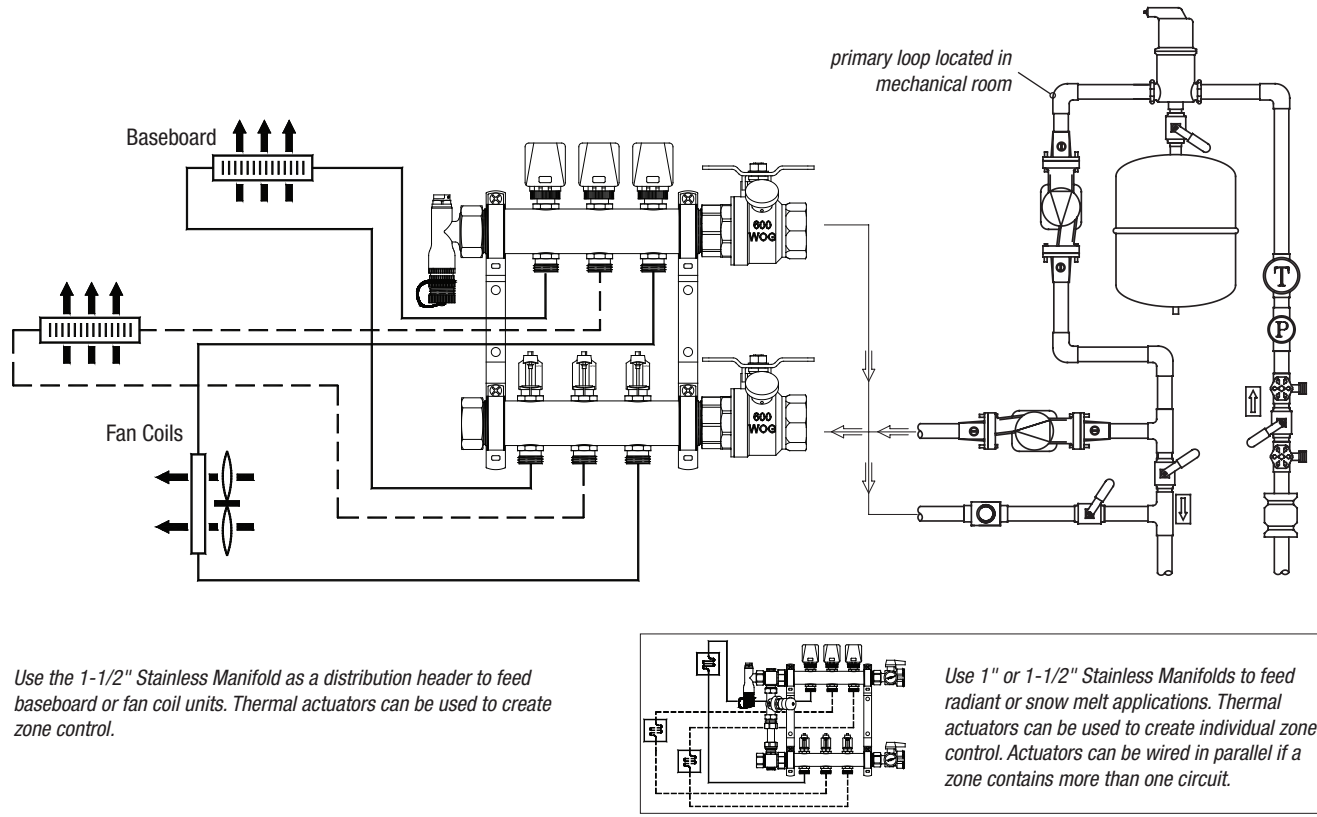
| Description                           | Part #      | Order #  |
|---------------------------------------|-------------|----------|
| M-4 Manifold Pair                     | D3807604SS  | 81005355 |
| M-5 Manifold Pair                     | D3807605SS  | 81005356 |
| M-6 Manifold Pair                     | D3807606SS  | 81005357 |
| M-8 Manifold Pair                     | D3807608SS  | 81005358 |
| M-10 Manifold Pair                    | D3807610SS  | 81005359 |
| M-12 Manifold Pair                    | D3807612SS  | 81005360 |
| 1-1/2" Trunk Isolation Valve, Red     | D3515930-NR | 81005362 |
| 1-1/2" Trunk Isolation Valve, Blue    | D3515935-NB | 81005363 |
| 1-1/2" SSM x 1-1/2" MNPT Adapter      | D3515920    | 81005368 |
| 1-1/2" SSM x 1-1/4" MNPT Adapter      | D3515920-N  | 81006259 |
| 1-1/2" SSM Elbow                      | D3515925-N  | 81005365 |
| 1-1/2" SSM x 1-1/2" Swt Adapter       | D0708       | 81005480 |
| Vent/Purge Assembly, 1-1/2"           | D3515940-N  | 81005457 |
| 1-1/2" SSM End Cap                    | D3515910-N  | 81005425 |
| 1-1/2" SSM Coupling                   | D3290010-N  | 81005426 |
| Circuit Thermal Actuator              | PZ656104    | 81001541 |
| 1-1/2" SSM Pressure Test Kit          | D665261     | 81005373 |
| Assembly Kit, 1-1/2" Isolation Valves | DK4000      | 81005370 |
| Assembly Kit, 1-1/2" NPT Adapters     | DK5000      | 81005371 |
| Assembly Kit, 1-1/2" Swt Adapters     | DK6000      | 81005372 |

**Key**

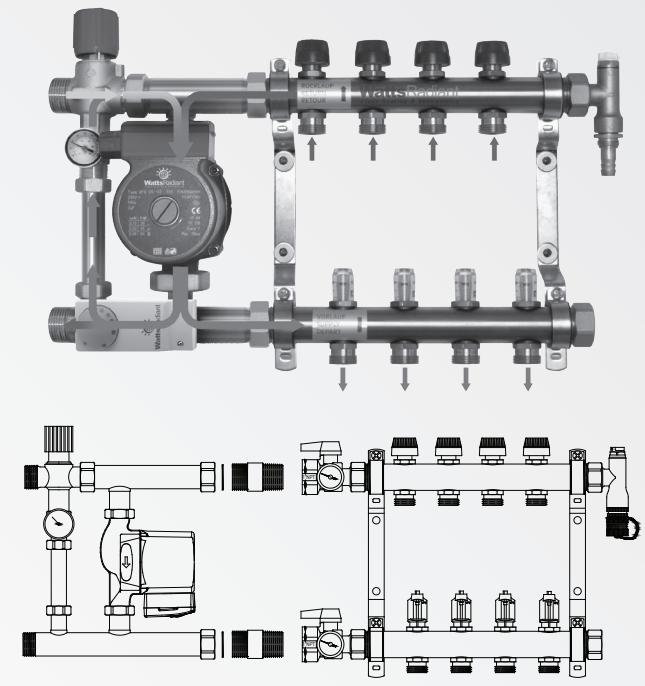
- A. Internal Balance Valve with Adjustment Key
- B. Thermal Actuator
- C. Vent/Purge Assembly
- D. Gasket
- E. Return Manifold Trunk
- F. Trunk Ball Valve with Temp Gauge
- G. SSM to Swt Transition
- H. Manifold Bracket
- I. Flow Meter with Internal Isolation Valve
- J. End Cap
- K. Supply Manifold Trunk
- L. SSM x MNPT Transition Adapter
- M. Pressure Differential By-Pass



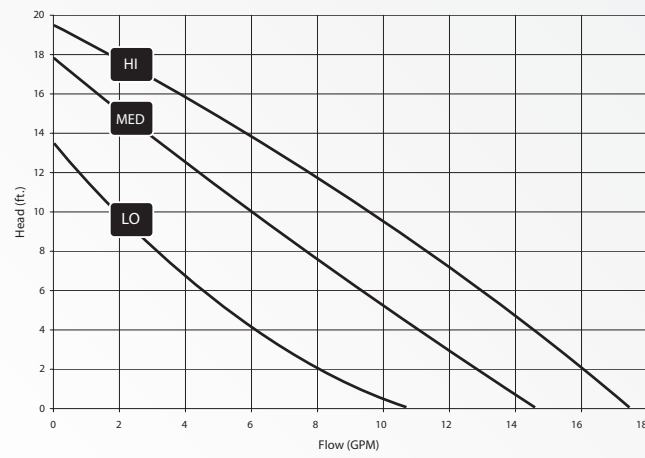
**Possible Manifold Piping Configurations**



**IsoTherm Mixing Module**



The IsoTherm Mixing Module is a simple, compact, pre-piped pump and mix valve assembly designed to thread directly to a 1" Stainless Steel manifold. Optional BSP x NPT transition nipples are provided with the IsoTherm to allow connection to trunk isolation ball valves.



The IsoTherm module uses a Grundfos 3 speed circulator. Flow capacities can be modified by adjusting the speed setting from HI, MED, or LO. Corresponding curve capacities are shown in the graph above.