

Manufacturer/Supplier Information

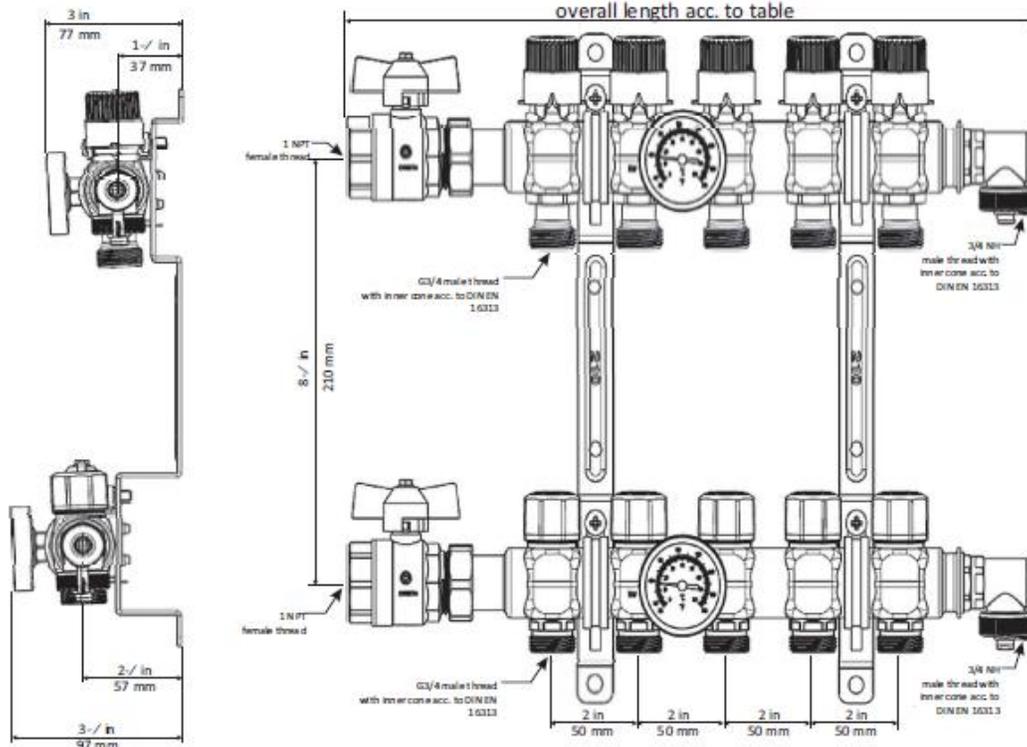
| | |
|-----------------------|---|
| Product | Hydronic distribution manifold with automatic flow control technology |
| Trade name | Myson Comfort Fit Manifold with AFC Technology |
| Manufacturer/Supplier | Rettig USA d.b.a. Myson |

Material Description, Application, Use & Reference Standards or Listings

| | |
|---------------------------------|---|
| Material | Header - Stainless Steel (<i>type 1.4301/grade 304 – X5CrNi18-10</i>) |
| Application or Use | Hydronic system fluid distribution with individual circuit isolation and adaptively maintained flow settings – not for potable water applications |
| Reference Standards or listings | DIN EN 10088 (material), 1264-4 (pressure & temperature), DIN EN ISO 6708, 16313, 228-1 (threads) |
| System Consideration | Air which is entrained in system pipes can cause poor or no flow conditions. Likewise, dirt and debris in system fluid can prevent Regolux flow meters from operating properly. Therefore, Myson recommends the installation of micro-bubble type air eliminators and dirt separator devices installed upstream of all manifolds. |

Product Data (model number, size, physical data, and applicable performance data)

Manifold Dimensions

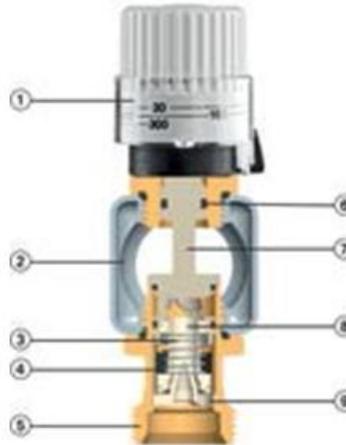


| Article Number | Number of Circuits | Approximate Overall Length | |
|----------------|--------------------|----------------------------|-----|
| | | Inches | mm |
| SSDMANI-2 | 2 | 10 | 256 |
| SSDMANI-3 | 3 | 12 | 306 |
| SSDMANI-4 | 4 | 14 | 356 |
| SSDMANI-5 | 5 | 16 | 406 |
| SSDMANI-6 | 6 | 18 | 456 |
| SSDMANI-7 | 7 | 20 | 506 |
| SSDMANI-8 | 8 | 22 | 556 |
| SSDMANI-9 | 9 | 24 | 606 |
| SSDMANI-10 | 10 | 26 | 656 |
| SSDMANI-11 | 11 | 28 | 706 |
| SSDMANI-12 | 12 | 30 | 756 |

| Operating Limits | |
|----------------------------|--|
| Operating temperatures | 14°F and 158°F (-10°C and +70°C) |
| System fluid | Non-corrosive system fluid according to VDI 2035 Part 2, maximum glycol of 50% by volume |
| Maximum operating pressure | 60 psi (4 bar) |
| Maximum test pressure | 87 psi (6 bar) |
| Material | Stainless steel type 1.4301/grade 304 – X5CrNi18-10 |

| AFC valve (supply header) characteristics | |
|---|---|
| Flow coefficient Cv (Kv) | 2.96 gpm @ 60°F = 1 psi (2.56 m ³ /h @ 16°C = 1 bar) |
| Flow setting range | 0 – 1.32gpm (0 – 5.0 l/m) |
| Accuracy | ±10% (100% water) |
| Material (valve seat) | Brass/nickel plated C37710 (CW614N/CZ121 – CuZn39Pb3) |
| Material (seals) | EPDM |
| Material (fill/drain valve) | Brass/nickel plated C37700 (CW617N/CZ122 – CuZn40Pb2) |
| Drain/fill connection | 3/4" NH (hose connection) |

1. Setting cap with securing ring
2. Myson Comfort Fit Manifold Supply Header
3. Compression Spring
4. Cartridge
5. Circuit Connection
6. O-ring seal
7. Adjustment Spindle
8. Sleeve
9. AFC Valve Control Element



| Thermostatic valve insert (return header) characteristics | |
|---|--|
| Flow coefficient Cv (Kv) | 1.29 gpm @ 60°F = 1 psi (1.12 m ³ /h @ 16°C = 1 bar) |
| Connection thread | M 30 x 1.5 |
| Valve closing length (stroke) | Approximately 1/2" (11.8 mm) |
| Closing force | 20.2 lb. (90 N) – minimum force required when using a valve actuator (e.g. Myson item MYACT-4) |
| Material | Brass C35330 (CW602N/CZ132 – CuZn36Pb2As) |

