



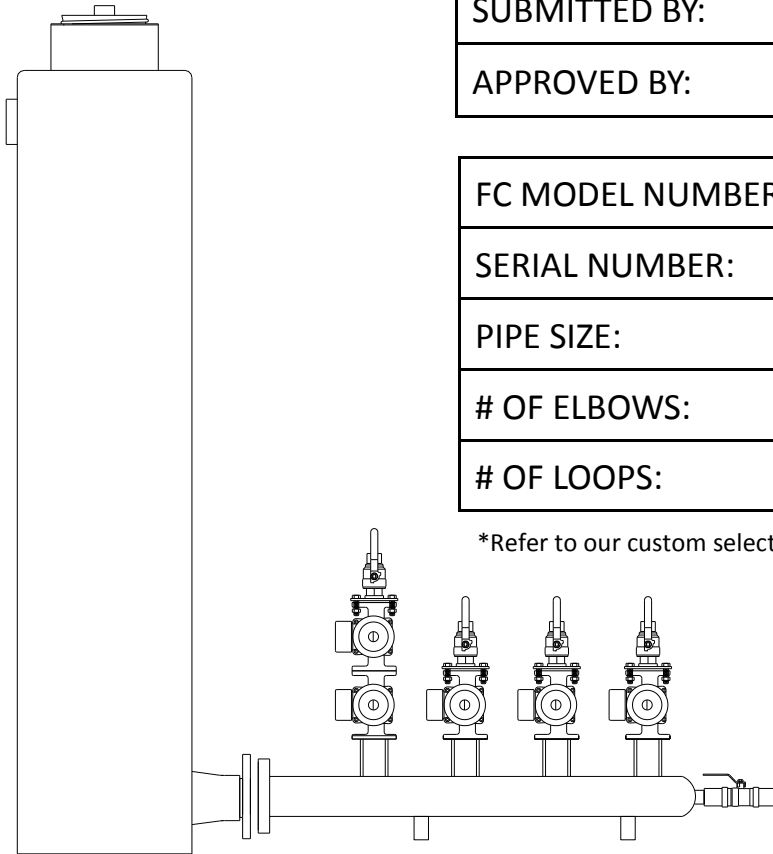
B&D
MFG, INC.®

MULTIZONE PRODUCT SUBMITTAL

| | |
|------------------|-------|
| JOB or CUSTOMER: | |
| ENGINEER: | |
| CONTRACTOR: | |
| SUBMITTED BY: | DATE: |
| APPROVED BY: | DATE: |

| | |
|------------------|------------------------|
| FC MODEL NUMBER: | |
| SERIAL NUMBER: | |
| PIPE SIZE: | DEPTH OF LOOPS: |
| # OF ELBOWS: | HP PRESSURE DROP: |
| # OF LOOPS: | ANTI-FREEZE MIXTURE %: |

*Refer to our custom selection software for proper flow center design



| Part Number | Max # of Circuits | Pump PH/V/Hz | HP (ea.) | Standard Inlet/outlet Size | Volume (Gallons) |
|-------------|-------------------|-----------------|----------|-------------------------------|---------------------|
| CFCB_----- | 3 | 1/230/60 | 1/6 | 2" MPT | 17.5 |
| CFCC_----- | 4 | 1/230/60 | 1/6 | 3" MPT | 20.8 |

- Call for Actual Multizone Part Number for your Configuration (Part Numbers vary with Amount of Pumps & Circuits)
- Refer to our custom software program for your proper non pressurized flow center selection
- Refer to the pump specifications sheet to make sure you have the correct pump for your application and for more pump data



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MULTIZONE PRODUCT SUBMITTAL CONTINUED

Introduction

The Multizone is a non-pressurized flow center designed for residential applications and are designed to work with multiple heat pumps on the same common loop field.

- one-pump per Multizone Circuit can accommodate flow for 3 1/2-ton units and smaller.
- two-pump per Multizone Circuit can accommodate flow for 3 1/2- through 6-ton units.

***Check sizing on B & D Residential software**

Field Assembly

This unit is completely assembled in factory. All that needs to be done is to attach the flow center to the wall then plumbed in. Installation guide comes with product.

Removable Lid

Having a removable lid during operation makes this unit easy to fill, check flow rates and add or check antifreeze levels. No vent hole in lid assembly makes this a true closed non pressurized flow center. It is recommended to hand tight or finger tight only once system is put into operation.

Isolation Ball Valves

There are multiple isolation ball valves on this unit. These valves can be used to regulate the flow coming out of and into the pump. They also make it easy for pump replacement by shutting each valve and pulling off the pump head.

Dip Tube

The return dip tube is mounted inside the canister with a downward position to prevent air being introduced into the system fluid. A Flow Meter Tool can be used with this to measure proper flow of the system.

Expansion Chamber

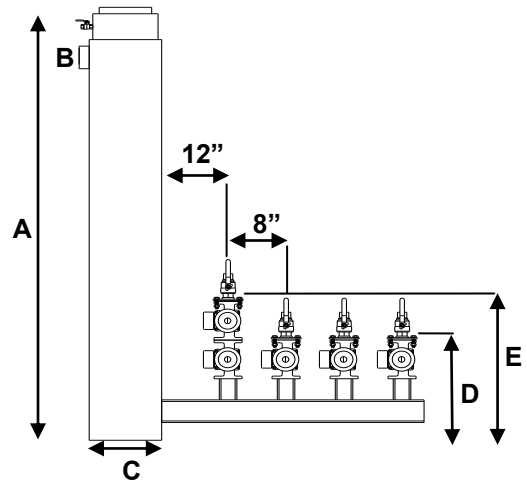
Allows for physical expansion of system fluid. It continuously purges and helps keep air from entering the pumps.

Warranty

B&D Mfg., Inc. warrants for a period of 1 year from the date of manufacture, that all Multizone Flow Center models are free from defects in materials or workmanship. No allowance for labor or property damage is implied. This warranty applies only to the Multizone Flow Center and does not include any other products or materials furnished by the installer.

MATERIALS OF CONSTRUCTION

| DESCRIPTION | MATERIAL |
|--------------------|--|
| Canister | 304L 16GA SS tube A269 mill |
| Stainless Fittings | 304 SS |
| Check Valves | Cast Bronze body, brass rod pin & screw |
| Ball Valves | Brass body, composite sleeve, EPDM gasket, chrome plated steel(Flange, handle & nut), chrome plated brass valve ball |
| Pumps | Refer to Pump Specifications Sheet |
| Lid | SDR35 |
| Insulation | 3/8" INSUL-SHEET®, Double Bubble Reflective Foil |
| Pump Bracket | CR Mild Steel |
| Dip Tube | SCH80 PVC |
| Bolts/Nuts | Stainless Steel |



Multizone Flow Center Physical Dimensions (in.)

| Tank Size | A | B | C | D | E | Volume (gal.) |
|-----------|----|--------|-----|-----|---------|---------------|
| B | 62 | 2" MPT | 10" | 30" | 36 1/2" | 17.5 |
| C | 70 | 3" MPT | 12" | 32" | 38 1/2" | 20.8 |

NOTES: Specifications are subject to change without notice.

NOTE: ALL MEASUREMENTS ARE APPROXIMATE