

FAN COIL KITS

for Hook-Ups and Valve Assembly

Cimberio Valve's fan coil kits are built according to your system's needs. Choose a **Basic Kit** for simple manual on/off isolation, a **Balanced Kit** for more options tuned to the needs of your system, or an **Automated Kit** for those applications where balancing *and* interfacing with a building management system are needed. Each kit comes with several options including valve and strainer options, hose lengths, sizes and end connections. Although there are numerous combinations you can customize for your applications, one thing remains the same — Cimberio Valve's commitment to high quality products.

cimFC1.1 Basic Kit for Fan Coil Hook-Ups and Valve Assembly

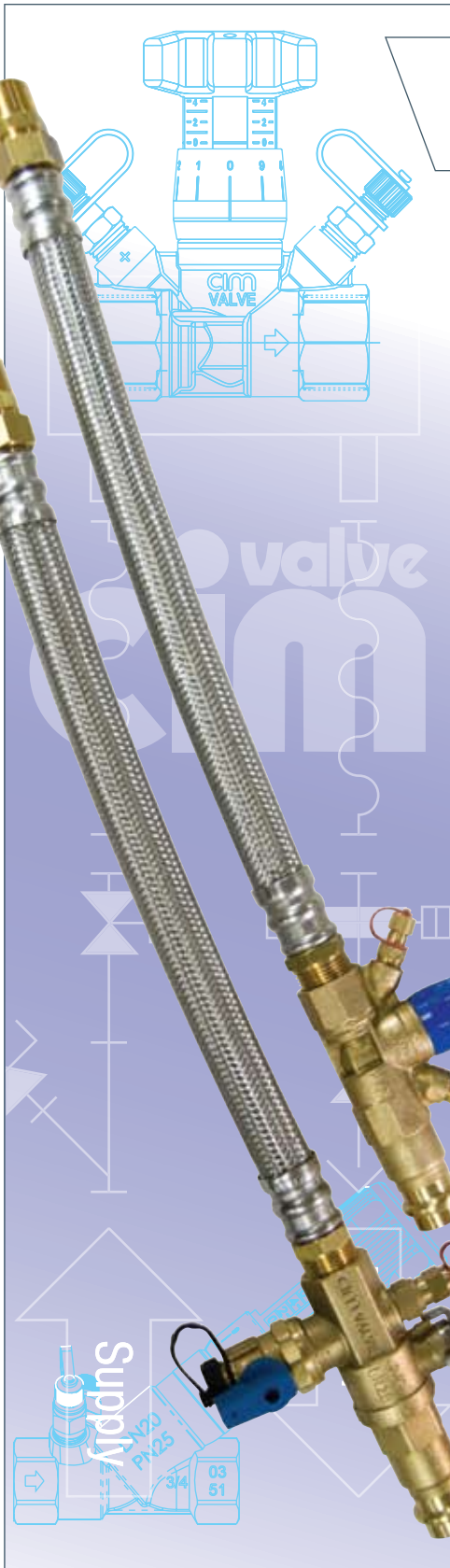
- Includes 2 hoses and 2 manual isolation valves
- Available in 8 different valve combinations
- 12" or 24" length hoses available
- ½" – 1" sizes
- NPT, SWT, or press connections (All fan side connections are female swivel with male threaded adapter)
- Shipped pre-assembled to your specifications

cimFC2.1 Balanced Kit for Fan Coil Hook-Ups and Valve Assembly

- Includes 2 hoses, manual isolation valve, and manual balancing valve for control of flow
- Available in 8 different valve combinations
- 12" or 24" length hoses available
- ½" – 1" sizes
- NPT, SWT, or press connections (All fan side connections are female swivel with male threaded adapter)
- Shipped pre-assembled to your specifications

cimFC3.1 Automated Kit for Fan Coil Hook-Ups and Valve Assembly

- Includes 2 hoses, zone valve option, isolation valve, and balancing valve for an optimized, completely efficient system
- Available in over 50 different valve combinations
- 12" or 24" length hoses available
- ½" – 1" sizes
- NPT, SWT, or press connections (All fan side connections are female swivel with male threaded adapter)
- Shipped pre-assembled to your specifications



Build your fan coil kit according to the needs of your system.

- Step 1** Choose between a basic, balanced, or automated kit depending on the level of efficiency your system requires.
- **Basic Kit** includes 2 manual isolation valves and 2 hoses. Choose this kit for single coil applications or those hook-ups that require simple manual isolation.
 - **Balanced Kit** includes manual isolation valve, balancing valve, and 2 hoses. Choose this kit for multiple coil applications where system balancing is required.
 - **Automated Kit** includes isolation valve, balancing valve, zone valve option, and 2 hoses. Choose this kit for applications that require system balancing as well as an interface with a building management system.



Step 2 Choose the size you need: 1/2", 3/4", or 1".

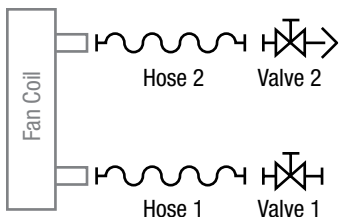
Step 3 Choose your connection type: NPT, SWT, or press. All fan side connections are female swivel with male threaded adapter.

Step 4 Choose your valves. Each kit comes with at least two valves (the automated kit includes an option for a third valve). There are eight different valves to choose from. All Cimberio valves are manufactured to the highest quality set by ISO 9001 standards.

Step 5 Choose your hose length. 12" and 24" length hoses are available. Choose two hoses of the same size or one of each length if that's what you need.

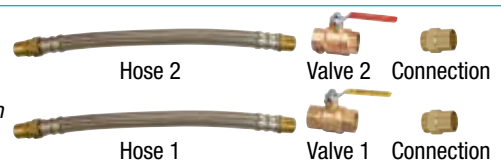
All kits are shipped fully assembled and ready for hook-up.

cimFC1.1 Basic Kit for Fan Coil Hook-Ups and Valve Assembly



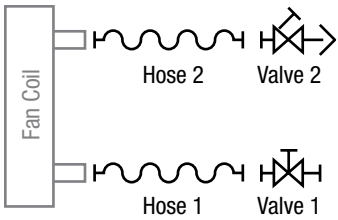
The CimFC1.1 Basic Kit includes two manual isolation valves and two flexible hoses. Options are shown below. To order, simply provide a product code for each item from the chart below.

Example: FC1-04-CC-11-200MC-12-12 (This would be a 1/2" kit with SWT connections that includes a Cim11 upstream isolation ball valve, Cim200MC downstream isolation ball valve with dual side drain taps, and two 12" long hoses.)



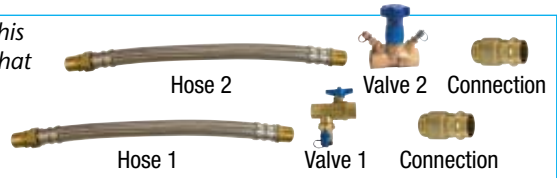
| FC1- | Size | | Connection | | Valve 1 | | Valve 2 | | Hose 1 | | Hose 2 | |
|------|------|------|------------|-------|---------|---|---------|-----------------------------------|--------|--------|--------|--------|
| | Code | Size | Code | Type | Code | Description | Code | Description | Code | Length | Code | Length |
| | 04 | 1/2" | NPT | NPT | 11 | Ball Valve | 11 | Ball Valve | 12 | 12" | 12 | 12" |
| | 06 | 3/4" | CC | SWT | 200MC | Ball Valve w/Dual Side Drain Taps | 200MC | Ball Valve w/Dual Side Drain Taps | 24 | 24" | 24 | 24" |
| | 07 | 1" | PRS | Press | 630 | Ball Valve w/ Integral Strainer and Drain Valve | | | | | | |
| | | | | | 630B | Ball Valve w/ Integral Strainer, Test Port, and Drain Valve | | | | | | |

cimFC2.1 Balanced Kit for Fan Coil Hook-Ups and Valve Assembly



The CimFC2.1 **Balanced Kit** includes manual isolation valve, manual balancing valve, and two flexible hoses. Options are shown below. To order, simply provide a product code for each item from the chart below.

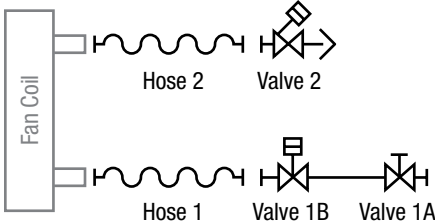
Example: **FC2-06-PRS-630-787-12-12** (This would be a 3/4" kit with press connections that includes a Cim630 ball valve with integral strainer, Cim787 variable orifice balancing valve, and two 12" long hoses.)



| FC2- | Size | | Connection | | Valve 1 | | Valve 2 | | Hose 1 | | Hose 2 | |
|------|------|------|------------|-------|---------|--|---------|------------------------------------|--------|-----|--------|-----|
| | | | | | | | | | | | | |
| | 04 | 1/2" | NPT | NPT | 11 | Ball Valve | 787 | Balancing Valve w/Variable Orifice | 12 | 12" | 12 | 12" |
| | 06 | 3/4" | CC | SWT | 200MC | Ball Valve w/Dual Side Drain Taps | 747 | Balancing Valve w/Fixed Orifice | 24 | 24" | 24 | 24" |
| | 07 | 1" | PRS | Press | 630 | Ball Valve w/Integral Strainer and Drain Valve | | | | | | |
| | | | | | 630B | Ball Valve w/Integral Strainer, Test Port, and Drain Valve | | | | | | |

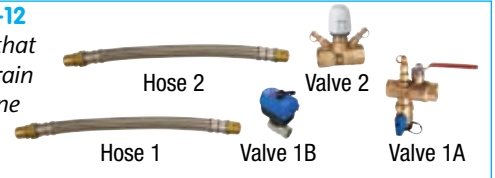
cimFC3.1 Automated Kit for Fan Coil Hook-Ups and Valve Assembly

Coming Soon



The CimFC3.1 **Automated Kit** includes a user defined array of manual or automated isolation valve, manual or automated balancing valve and two flexible hoses. Options are shown below. To order, provide a product code for each item from the chart below.

Example: **FC3-07-NPT-630B-690-788NO-12-12** (This would be a 1" kit with NPT connections that includes a Cim630B ball valve with strainer, drain valve, and test port, a Cim690 modulating zone valve, a Cim788NO actuated balancing valve and two 12" long hoses.)



| FC3- | Size | | Connection | | Valve 1A | | Valve 1B | | Valve 2 | | Hose 1 | | Hose 2 | |
|------|------|------|------------|-------|----------|--|----------|-----------------------|---------|--|--------|-----|--------|-----|
| | | | | | | | | | | | | | | |
| | 04 | 1/2" | NPT | NPT | 11 | Ball Valve | 690 | Modulating Zone Valve | 790 | Automatic Balancing Valve | 12 | 12" | 12 | 12" |
| | 06 | 3/4" | CC | SWT | 200MC | Ball Valve w/ Dual Side Drain Taps | 0 | No Valve | 747 | Balancing Valve w/Fixed Orifice | 24 | 24" | 24 | 24" |
| | 07 | 1" | PRS | Press | 630 | Ball Valve w/Integral Strainer and Drain Valve | | | 788NO | Actuated Balancing Valve (Normally Open) | | | | |
| | | | | | 630B | Ball Valve w/Integral Strainer, Test Port, and Drain Valve | | | 788NC | Actuated Balancing Valve (Normally Closed) | | | | |
| | | | | | 690 | Modulating Zone Valve | | | 788PRO | Actuated Balancing Valve (Modulating) | | | | |

cim11 Heavy Pattern Ball Valve

- Blast/impact proof stem
- Corrosion-resistant coated handle
- Slow closure, locking, and tee handle options also available



cim200MC Ball Valve with Dual Side Drain Taps

- Blast/impact proof stem
- Corrosion-resistant coated handle
- Slow closure, locking, and tee handle options also available
- Features a tap drain on both sides of the valve body



cim630 Ball Valve with Integral Strainer and Drain Valve

- Blast/impact proof stem
- Slow closure, locking, and tee handle options also available
- Removable strainer collects impurities and protects delicate components
- Includes drain valve with garden hose connection and cap and chain



cim630B Ball Valve with Strainer, Drain Valve, and Test Port

- Blast/impact proof stem
- Removable strainer collects impurities and protects delicate components
- Includes test port and drain valve with garden hose connection and cap and chain



cim787 Variable Orifice Balancing Valve

- Includes measuring nipples
- Integral memory stop eliminates rebalancing after service
- Heat and impact resistant handle can be read from any angle
- EPDM lined valve plug provides increased control and tight shut-off for isolation purposes



cim747 Fixed Orifice Balancing Valve

- Includes measuring nipples
- Integral memory stop eliminates rebalancing after service
- Heat and impact resistant handle can be read from any angle
- EPDM lined valve plug provides increased control and tight shut-off for isolation purposes
- Fixed orifice design allows high accuracy flow measurement to within $\pm 5\%$ regardless of valve setting



cim790 Automatic Balancing Valve

- Includes measuring nipples
- Provides constant flow to a pre-set rate through the use of a removable cartridge
- Specially designed cartridge makes it difficult for dirt and debris to accumulate — debris won't compromise valve accuracy
- Cartridge can be easily removed without the use of a special tool for quick change-out, inspection, and cleaning
- Accurate to within 5% of specified flow rate



cim788 Actuated Balancing Valve

- Pre-set balancing valve with thermoelectric actuator for opening and closing valves
- Variable orifice control element
- Available in 3 models: Cim788NC.1, normally closed; Cim788NO.1, normally opened; Cim788PRO.1, normally closed with proportional control of valve
- EPDM lined valve plug provides increased control and tight shut-off for isolation purposes



cim690 Modulating Zone Valve

- Characterized ball allows the valve to be tuned to your system's needs
- Easy-to-read visual indicator of valve position
- Easy selection and automation of actuator duties
- Easy button-activated manual override
- Switch from normally open to normally closed without having to re-mount the actuator

