



BELL & GOSSETT
HYDRONIC BALANCING SOLUTIONS
THE PERFECT BALANCE
OF ADJUSTABILITY AND EFFICIENCY

WOULDN'T IT BE NICE IF THE PERFECTLY BALANCED SOLUTION WAS AT YOUR FINGERTIPS?



Bell & Gossett's hydronic balancing solutions give you the perfect balance of adjustability and efficiency.

- **Optimized system efficiency** reduces energy and operating costs while increasing comfort.
- **Field adjustability** for precise control when and where you need it.
- **Control flows** independent of fluctuating system pressures.
- **Broad product range and sizes** (1/2" – 20") provide a solution to fit any system needs.
- **Complete coil hook-up kits** available for ease of installation.

GOOD



PRESSURE DEPENDENT

VENTURI BALL OR BUTTERFLY VALVE COMBINATION

Provides venturi flow accuracy with a standard valve for flow control.



CIRCUIT SETTER PLUS CALIBRATED BALANCE VALVE

Externally field adjustable manual balance valve – the industry standard.



CIRCUIT SENTRY LOW-FLOW, FLOW LIMITING VALVE

Internally field adjustable automatic valve for specific flow requirements.

BETTER



CIRCUIT SENTRY FLOW LIMITING VALVE

Automatically maintains set flow rate for improved system efficiency.



PRESSURE INDEPENDENT

ULTRASENT FLOW LIMITING VALVE

Externally field adjustable automatic valve for specific flow requirements.

BEST




























OPTIFLO (PICV)

Field adjustable control valve with 100% authority – the ultimate in system balance and efficiency.

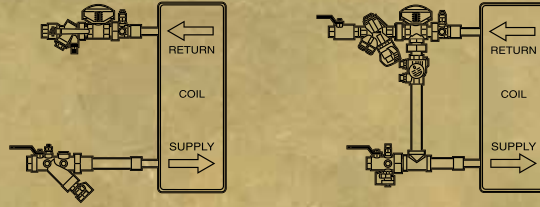
For more information, visit www.balancevalves.com.

BELL & GOSSETT OFFERS A COMPLETE ARRAY OF BALANCING SOLUTIONS TO FULFILL ALL YOUR NEEDS.

BALANCE VALVES	FEATURES	PRESSURE DEPENDENT	FIELD ADJUSTABLE	CONSTANT FLOW	PRESSURE INDEPENDENT	AUTOMATIC TEMPERATURE CONTROL
OPTIFLO (PICV) Field adjustable control valve with 100% authority – the ultimate in system balance and efficiency.  Size Range: ½" – 1¼" Flow Range: 0.3 GPM – 13.2 GPM Sweat (male and female) NPT (female)	<ul style="list-style-type: none"> • Full modulating or tri-state control valve with 100% authority • Automatically maintains a constant required flow rate despite changes in system pressure • Eliminates valve hunting, improving system efficiency • Auto-adjust, pressure independent control valve • Maintains desired flow rate +/-5% • Reduces design, installation and commissioning time • Lowers energy costs and ensures better comfort • Isolation valve option available 					
ULTRASET Externally field adjustable automatic valve for specific flow requirements.  Size Range: ½" – 2" Flow Range: 0.18 GPM – 45.46 GPM NPT (female)	<ul style="list-style-type: none"> • Keeps constant fluid flow, automatically adjusting for fluctuating pressure conditions • External locking handle allows for easy on-site flow adjustment without additional tools • Quick and easy selection as only flow data is required • Flexibility if the system is modified after installation • Isolation valve option available 					
CIRCUIT SENTRY Automatically maintains set flow rate for improved system efficiency.  Size Range: ½" – 2½" Flow Range: 0.33 GPM – 150 GPM  Size Range: 2½" – 20" Flow Range: 15 GPM – 7,200 GPM	<ul style="list-style-type: none"> • Keeps constant fluid flow, automatically adjusting for fluctuating pressure conditions • Unique diaphragm pressure control element allows one cartridge for most systems • Large open flow path for clog free operation • Multiple Connections: <ul style="list-style-type: none"> - Union – upstream (½" – 2") - Sweat and NPT (male and female) (½" – 2") - Flanged (2½" – 20") • No requirement on pipe length before and after the valve for easier application and piping • Integral isolation valve 					
CIRCUIT SENTRY LOW FLOW Internally field adjustable automatic valve for specific flow requirements.  Size Range: ½" – ¾" Flow Range: 0.25 GPM – 3.8 GPM	<ul style="list-style-type: none"> • Keeps constant fluid flow, automatically adjusting for fluctuating pressure conditions • Unique field adjustable pressure control element allows one cartridge with flow range from 0.25 GPM to 3.8 GPM • T-style handle helps save space • Innovative design incorporates P/T port into handle design • Integral isolation valve 					
CIRCUIT SETTER PLUS Externally field adjustable manual balance valve – the industry standard.  Size Range: ½" – 3" Flow Range: 0 GPM – 375 GPM  Size Range: 2½" – 12" Flow Range: 8 GPM – 7,200 GPM	<ul style="list-style-type: none"> • Calibrated accurate flow control and measurement • Pre-balance design capability • Memory stop indicator • Integrated valved readout ports • Optional drain valve available • Positive shut-off • Multiple Connections: <ul style="list-style-type: none"> - Union – upstream (½" – 2") - Sweat (female) and NPT (male and female) (½" – 2") - Flanged and Grooved (2½" – 12") • Bi-directional (½" – 3") 					
MODEL MV VENTURI VALVES Provides venturi flow accuracy with a standard valve for flow control.  Size Range: 1/2" – 2" Flow Range: 0.3 GPM – 68 GPM  Size Range: 2½" – 12" Flow Range: 30 GPM – 9,700 GPM	<ul style="list-style-type: none"> • Efficient venturi design provides for accurate flow measurement • Balances flow with minimal pressure loss • Standard port ball or butterfly valve with memory stop indicator • Multiple Connections: <ul style="list-style-type: none"> - Union – upstream (½" – 2") - Sweat and NPT (male and female) (½" – 2") - Flanged, Grooved and Weld (2½" – 12") 					



COIL KITS



ITT Bell & Gossett coil kits and balancing solutions make selection, ordering, and installation a breeze for the engineer, customer, installer, and help reduce field problems during and after system commissioning. We offer a number of ways of controlling flow to optimize the efficiency of the circuits and total HVAC system and a solution to your balancing problem.

B&G Coil Kit Benefits

- Optimizes the coil's heat transfer efficiency
- Quick installation
- Easy commissioning
- Easy serviceability
- Flexibility
- Customizable
- Trusted quality
- Quick lead times

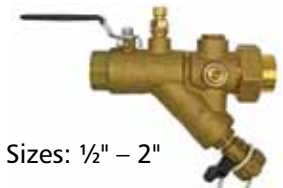
Coil supply line options

Union Ended Ball Valve / Y-Strainer (Model UBY & UBYL)

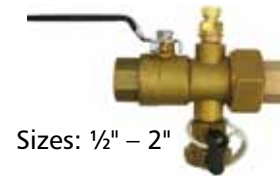
- Helps remove the sediment in the water that can settle inside the coil which affect heat transfer and efficiency
- Built-in isolation valve allows for easy serviceability
- Ability to accommodate a 3-way control valve
- Drain valve included (1/2" – 2")
- Includes a pressure/temperature port (with integrated T-Handle for UBYL)
- Customizable
- Y-Strainer with or without butterfly valve available up to 8" with optional accessories



Sizes: 1/2" – 3/4"



Sizes: 1/2" – 2"



Sizes: 1/2" – 2"



Sizes: 2 1/2" – 8"

Union Ended Ball Valve (Model UBV)

- Built-in isolation valve allows for easy serviceability
- Drain valve included
- Includes a pressure/temperature port
- Customizable



Sizes: 1/2" – 2"



Coil return line options

Union Accessory (Model UA)

- Union Ended for easy serviceability
- Includes an air vent to help remove trapped air in the coil
- Includes a pressure/temperature port
- Customizable

Temperature Control Valves (Provided by others)

- Can be implemented into the coil kit prior to shipment
- Kits can accommodate 2-way or 3-way valves
- Union tailpiece connections to control valve for easy serviceability
- Customizable

Bypass control valve options

When required, any of our balance/flow limiting valves or kit components can be utilized as your bypass control valve. The chosen bypass valve will be packaged and shipped with your other valves to help ease installation and commissioning.

Hose kit assemblies

We can assemble your hoses to the supply and return side valves prior to shipment.



Flow limiter, balancing valve, and accessory options

- Extended handles for valves (all except Circuit Setter Plus)
- Extended pressure/temperature ports
- Extended drain valves
- Extended air vents
- 12", 18", 24" and 36" stainless steel hoses (custom sizes available also – 6" length minimum)

Custom kit configurations available on request.



Trust the name that set the standard in the HVAC industry – Bell & Gossett.

For over 90 years Bell & Gossett has brought you the most reliable and innovative products for hydronic, HVAC and plumbing systems. From pumps and heat exchangers, to air management systems and valves, Bell & Gossett knows what you need to get the job done right the first time and provide lasting value.

Your local Bell & Gossett representative is an experienced professional with a wealth of technical expertise. Because they know systems from design to operation, they can give you the advice and support you need to successfully install, operate and maintain your hydronic systems.

Unparalleled Training and Product Support.

The famous Bell & Gossett Little Red Schoolhouse opened in 1954 as a dedicated facility for training. Over the past 55 years we have trained more than 50,000 engineers, contractors and installers in the proper design, installation and maintenance of HVAC systems. We can help you understand the complexities of air management from a system perspective. Our fully equipped learning center is the only facility of its kind, and Bell & Gossett is proud to set the standard for professional education and HVAC system innovation.



For more information on Bell & Gossett hydronic
balancing solutions, visit www.balancevalves.com



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