



Circuit Sentry™ Flo-Setter

A PRESSURE INDEPENDENT BALANCING VALVE
WHERE YOU CAN SET IT & FORGET IT!

- Maintains the set flow rate within +/- 5% regardless of pressure fluctuations in the system
- Saves pump energy and improves coil efficiency

A-625B

 **Bell & Gossett**
a xylem brand

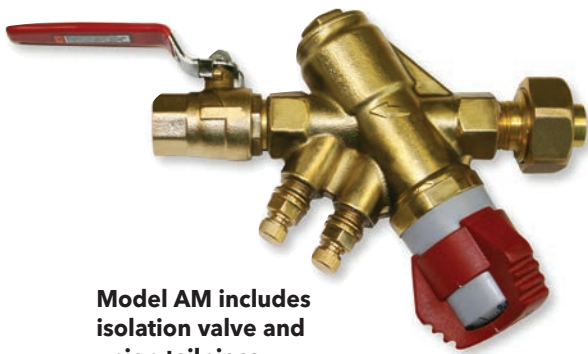
The new Bell & Gossett Circuit Sentry™ Flo-Setter Dynamic Balancing Valve Is Simple To Select And Easy To Use.

Why allocate more time and money than necessary to balance heating and cooling systems? Just set the flow and the Circuit Sentry™ Flo-Setter valve does the rest. The **new GPM dial** is unique and easy to set. Once set, no adjustments are required even if the pressure varies or the system is changed. It is as simple as it gets.

The Circuit Sentry™ Flo-Setter valve is easy to install and maintains set flow rate even when installed next to a pipe bend or fitting. The easy to read gallons per minute scale on the lockable handle ensures that the flow setting is simple and user friendly while the integral P/T plugs allow verification of required differential pressure.

Externally adjustable flow limiter that provides hydraulic balance for ultimate system efficiency

- The unique **New GPM dial** is easy to set. **Requires no instruments, charts or wheels**
- Maintains the set flow rate within +/- 5% regardless of pressure fluctuations in the system
- Saves pump energy and improves coil efficiency
- Easy to install and lockable handle allows simple adjustment to design or required flow rate should specifications change
- Minimized commissioning time due to automatic balancing of the system
- No minimum straight pipe lengths required before or after the valve
- Integrated pressure / temperature ports to easily measure differential pressure and temperature
- Large open flow paths for clog-free operation

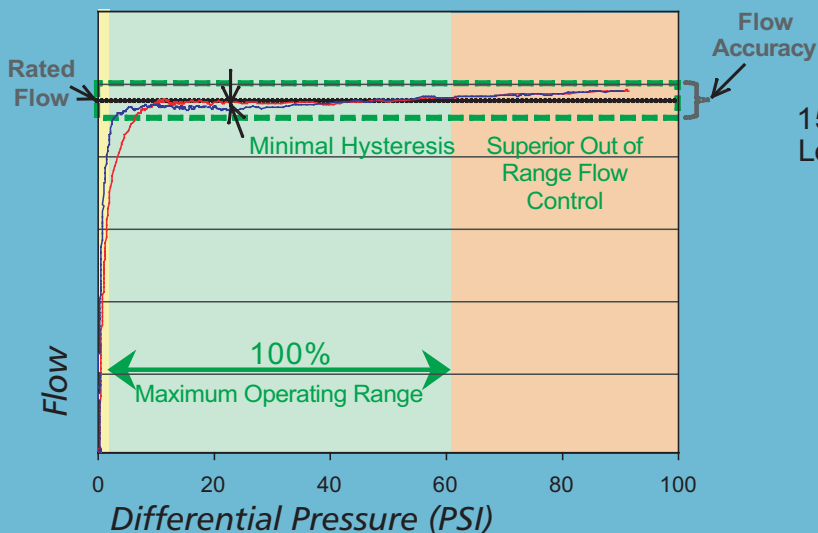


Model AM includes isolation valve and union tailpiece

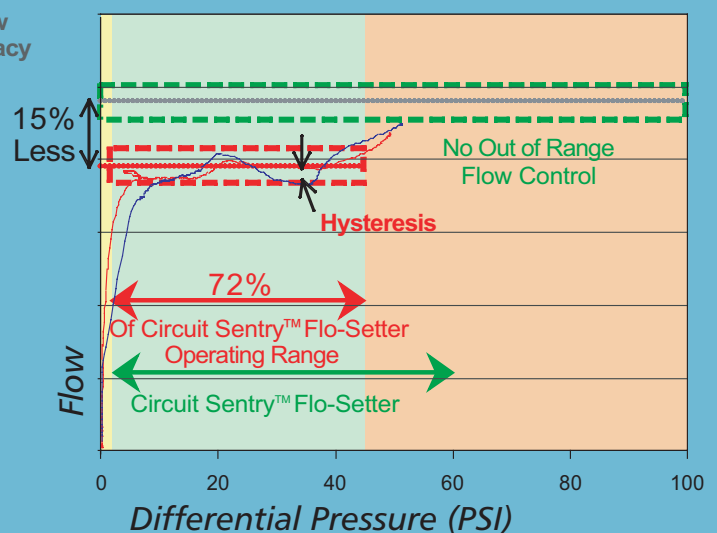
Measuring up against the others.

When Bell & Gossett is directly compared to others in lab tests, Circuit Sentry™ Flo-Setter operation and stability of flow is far superior. Trust Bell & Gossett to deliver the results that are needed for ultimate system efficiency - the others just don't stack up.

Circuit Sentry™ Flo-Setter Performance



Competitor's Flow Test

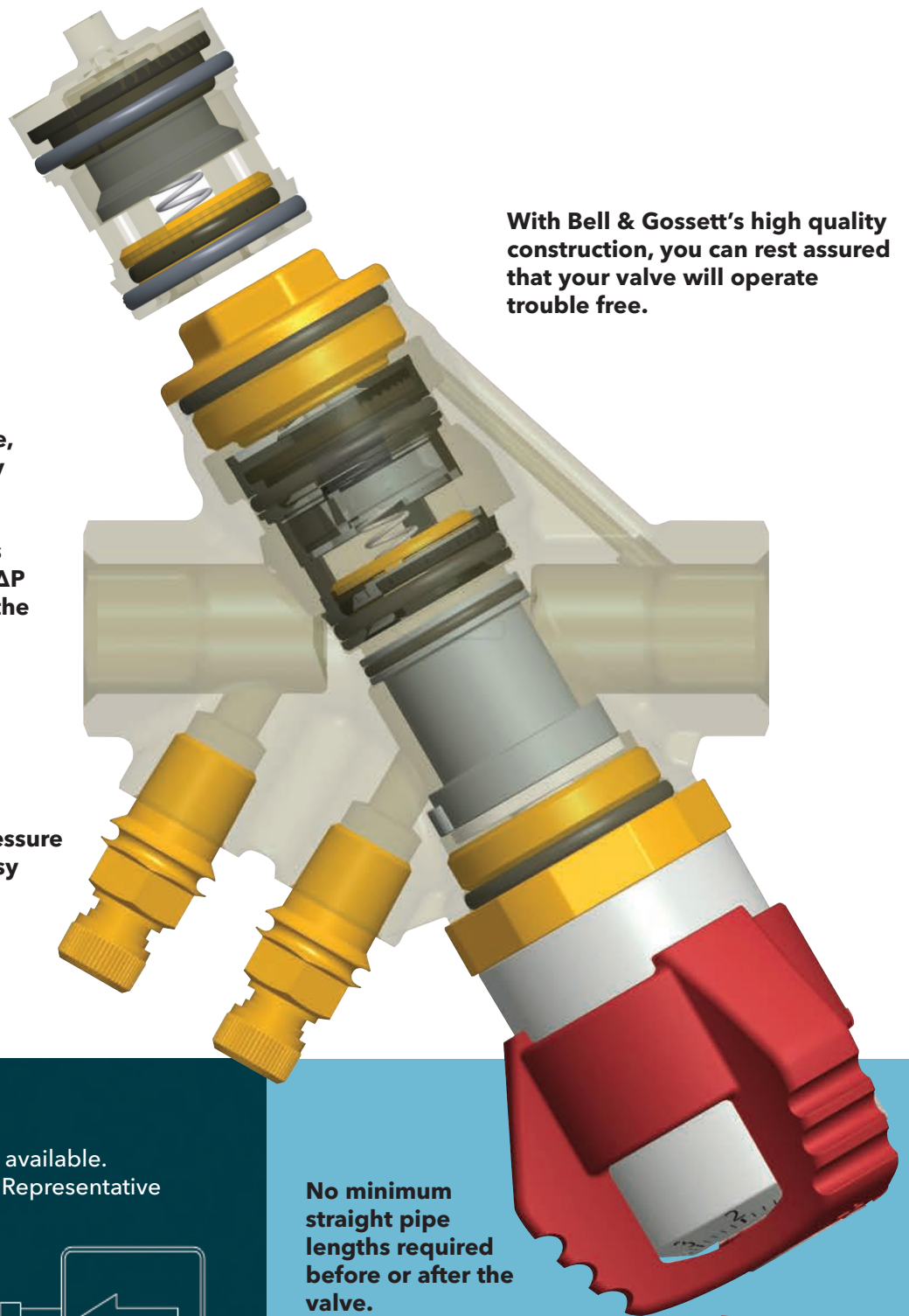


Removable differential pressure cartridge solution simplifies flushing procedure.

Once the cartridge is in place, the revolutionary technology automatically keeps the flow stable regardless of the sudden pressure fluctuations in the system as long as the ΔP across the valve falls within the allowable range.

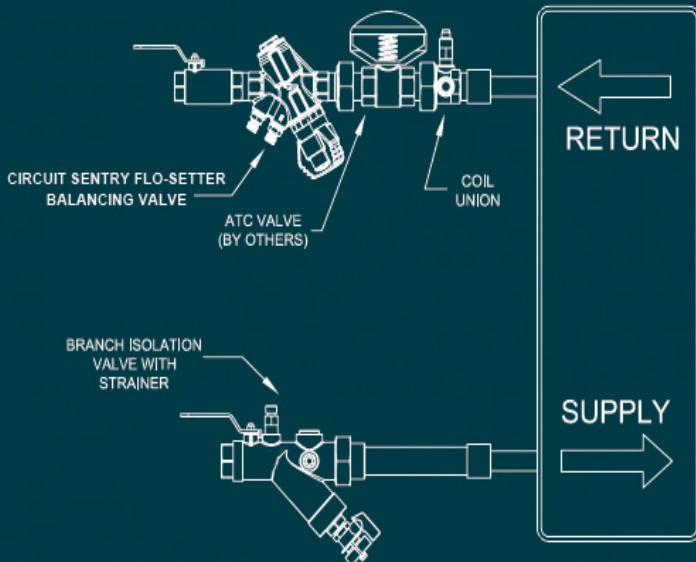
Built-in P/T ports for easy pressure reading which equates to easy commissioning.

With Bell & Gossett's high quality construction, you can rest assured that your valve will operate trouble free.



AM2Y coil kit

Complete coil kit solutions are available. Please contact your local B&G Representative for further information.



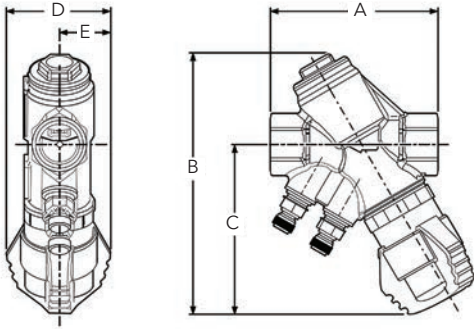
No minimum straight pipe lengths required before or after the valve.

NEW GPM dial - Easy set feature Includes lockable handle. Set it and forget it.



Easy to use, set it & forget it!

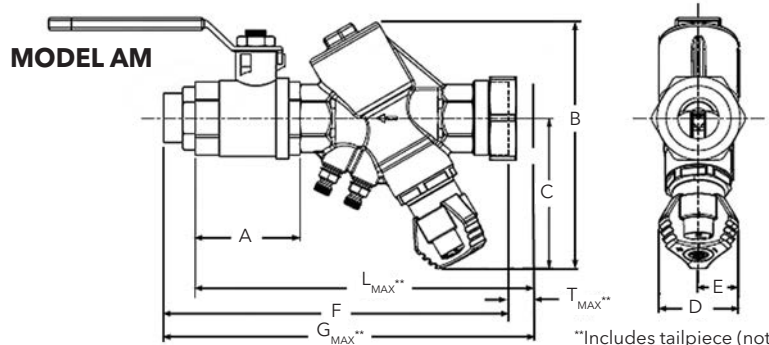
Circuit Sentry™ Flo-Setter



Circuit Sentry™ Flo-Setter Dimensions and Weights

Model Number	Size	Connection Type	DIMENSIONS* IN INCHES (mm)					Flow Capacity in GPM (L/hr)		Approx. Weight lbs. (kg)
			A	B	C	D	E	Min.	Max.	
CS-1/2	1/2"	NPT Female	3.8 (97)	5.8 (147)	3.8 (97)	2.4 (61)	1.2 (30)	0.18 (40)	4.84 (1,100)	2.0 (0.9)
CS-3/4	3/4"	NPT Female	3.8 (97)	5.9 (150)	3.8 (97)	2.4 (61)	1.2 (30)	0.31 (70)	8.15 (1,850)	2.0 (0.9)
CS-1	1"	NPT Female	4.1 (104)	6.1 (155)	4.1 (104)	2.4 (61)	1.2 (30)	0.44 (100)	10.35 (2,350)	2.2 (1.0)
CS-1-1/4	1 1/4"	NPT Female	5.2 (132)	7.4 (188)	4.5 (114)	2.4 (61)	1.2 (30)	0.88 (200)	21.13 (4,800)	3.7 (1.7)
CS-1-1/2	1 1/2"	NPT Female	5.7 (145)	8.1 (206)	4.7 (119)	2.4 (61)	1.2 (30)	1.76 (175)	32.76 (7,500)	5.3 (2.4)
CS-2	2"	NPT Female	6.1 (155)	8.6 (218)	5.0 (127)	2.4 (61)	1.2 (30)	2.20 (500)	45.46 (10,300)	7.5 (3.4)

Bell & Gossett has been a leader in hydronic balancing for over 60 years and we have products and system solutions that make the engineer's job easier, save building owners money, and reduce contractor's time to install and commission the system.



**Includes tailpiece (not shown).
Measurement of maximum length tailpiece available.

Model AM Dimensions and Weights (includes isolation valve and union tailpiece)

Model Number	Valve Size Fixed End	Connection Fixed End	DIMENSIONS* IN INCHES (mm)									Flow Capacity in GPM (L/hr)		Approx. Weight lbs. (kg)
			A	B	C	D	E	F	L Max**	G Max**	T Max**	Min.	Max.	
AM-1/2	1/2"	Sweat Female	1.7 (42)	5.8 (147)	3.8 (97)	2.4 (61)	1.2 (30)	6.7 (169)	7.6 (193)	8.2 (208)	1.55 (39)	0.18 (40)	4.84 (1,100)	2.5 (1.1)
		NPT Female	1.7 (42)	5.8 (147)	3.8 (97)	2.4 (61)	1.2 (30)	- (-)	7.6 (193)	- (-)	1.55 (39)	0.18 (40)	4.84 (1,100)	2.5 (1.1)
AM-3/4	3/4"	Sweat Female	2.1 (53)	5.9 (150)	3.8 (97)	2.4 (61)	1.2 (30)	7.5 (191)	8.1 (205)	9.1 (231)	1.55 (39)	0.31 (70)	8.15 (1,850)	2.7 (1.2)
		NPT Female	2.1 (53)	5.9 (150)	3.8 (97)	2.4 (61)	1.2 (30)	- (-)	8.1 (205)	- (-)	1.55 (39)	0.31 (70)	8.15 (1,850)	2.7 (1.2)
AM-1	1"	Sweat Female	2.5 (63)	6.1 (155)	4.1 (104)	2.4 (61)	1.2 (30)	8.3 (211)	9.1 (232)	10.3 (262)	2.00 (51)	0.44 (100)	10.35 (2,350)	3.3 (1.5)
		NPT Female	2.5 (63)	6.1 (155)	4.1 (104)	2.4 (61)	1.2 (30)	- (-)	9.1 (232)	- (-)	2.00 (51)	0.44 (100)	10.35 (2,350)	3.3 (1.5)
AM-1-1/4	1 1/4"	Sweat Female	3.1 (79)	7.4 (188)	4.5 (114)	2.4 (61)	1.2 (30)	10.2 (259)	11.0 (279)	12.2 (310)	2.00 (51)	0.88 (200)	21.13 (4,800)	5.7 (2.6)
		NPT Female	3.1 (79)	7.4 (188)	4.5 (114)	2.4 (61)	1.2 (30)	- (-)	11.0 (279)	- (-)	2.00 (51)	0.88 (200)	21.13 (4,800)	5.7 (2.6)
AM-1-1/2	1 1/2"	Sweat Female	3.4 (87)	8.1 (206)	4.7 (119)	2.4 (61)	1.2 (30)	11.7 (298)	12.9 (328)	14.3 (363)	2.52 (64)	1.76 (400)	32.76 (7,500)	7.9 (3.6)
		NPT Female	3.4 (87)	8.1 (206)	4.7 (119)	2.4 (61)	1.2 (30)	- (-)	12.9 (328)	- (-)	2.52 (64)	1.76 (400)	32.76 (7,500)	7.9 (3.6)
AM-2	2"	Sweat Female	4.4 (112)	8.6 (218)	5.0 (127)	2.4 (61)	1.2 (30)	13.7 (347)	15.1 (384)	16.8 (427)	3.14 (80)	2.20 (500)	45.46 (10,300)	11.9 (5.4)
		NPT Female	4.4 (112)	8.6 (218)	5.0 (127)	2.4 (61)	1.2 (30)	- (-)	15.1 (384)	- (-)	3.14 (80)	2.20 (500)	45.46 (10,300)	11.9 (5.4)

*All dimensions +/- 0.125" (3.2 mm) tolerance. Dimensions are subject to change. Not to be used for construction purposes unless certified.

**Includes tailpiece. Measurement of maximum length tailpiece available.

For Minimum Differential requirements please refer to submittal A-611A on our Web site. Maximum differential pressure is 60 PSID.

Minimum temperature is -14°F (-10°C) to 250°F (121°C). Maximum operating pressure is 290 PSI.



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