

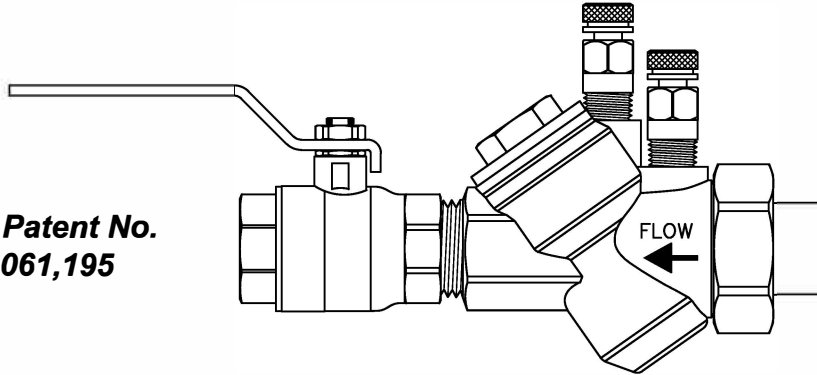
# PRO *Hydronic* *Specialties*

## AFLB Series Submittal

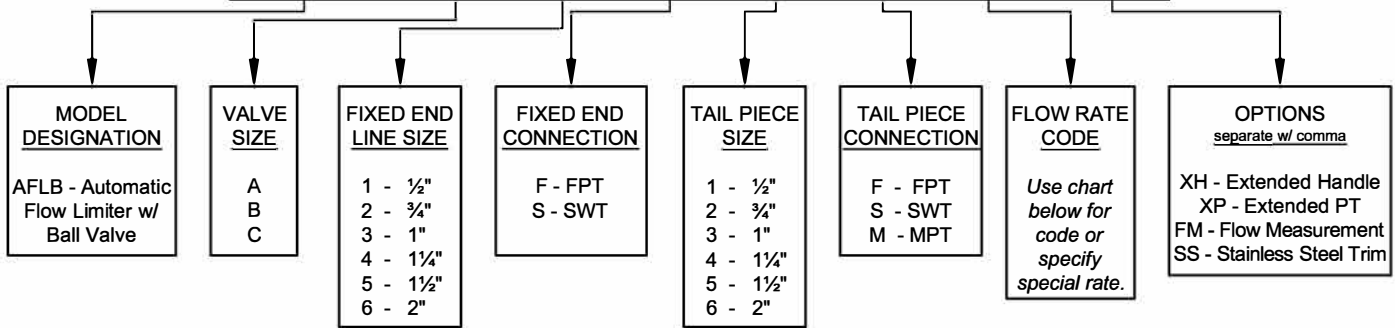
### Automatic Pressure Independent Flow Limiter w/ Ball Valve

- A: AFLB - 1/2" - 1" L
- B: AFLB - 1" H - 1 1/2" L
- C: AFLB - 1 1/2" H - 2"

**U.S. Patent No.  
8,061,195**



### AFLB - X - X - X - X - X - X - XX,



Valve Size	FLOW RATE CODES (GPM)* CONTROL RANGE 2 - 60+ PSID **																									
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
A 1/2" - 1" L	.33	.50	.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	9	10	11	12
B 1" H - 1 1/2" L	5	5.5	6	6.5	7	8	9	10	12	13	14	15	16	18	20	22	24	26	28	30	32	34	36	38	40	42
C 1 1/2" H - 2"	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180

\* Custom flow rates can be calibrated at the factory for an additional charge.  
 Unless confirmed as special, flow rates will default to standard flow rate.

JOB NAME:		REPRESENTATIVE:	
ENGINEER:		REF/PO#:	
CONTRACTOR:		SUBMITTED BY:	
		DATE:	
		DATE:	
PART # (See table above)	TAGGING/JOB INFORMATION	GPM	QUANTITY



## Solutions for Hydronic Balancing

Automatic Flow Limiting • Manual Balancing • Steel Coil Connection Kits • Stainless Steel Flex Hose • Components & Kits

*As per Energy Code:*


**C408.2.2.2 Hydronic systems balancing.** Individual hydronic heating and cooling coils shall be equipped with means for balancing and measuring flow. Hydronic systems shall be proportionately balanced in a manner to first minimize throttling losses, then the pump impeller shall be trimmed or pump speed shall be adjusted to meet design flow conditions. Each hydronic system shall have either the capability to measure pressure across the pump, or test ports at each side of each pump.

**New jobs must meet Energy Codes & Make sure existing projects are *balanced* to:**  
 prevent overheating/underheating, avoid nuance calls from tenants, and heat more efficiently to get just what you need

## Coil Hookup Kits


PTAC Hookup Kits Available

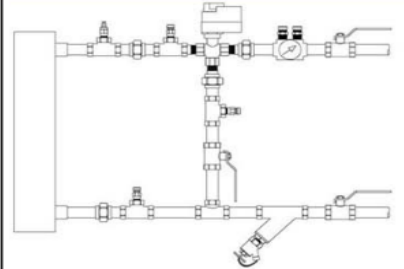
Easier & more accurate balancing with less pieces and less labor

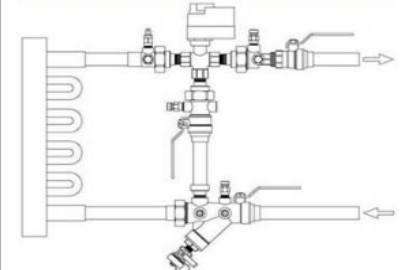


**Benefits:**

- ❖ Lower risk of leaks
- ❖ Fewer field installed joints
- ❖ Decreased installation time/costs
- ❖ 100% hydro-pneumatically tested



THE OLD WAY	
	<p>37 Pieces</p> <p>39 Joints</p> <p>Plus Labor Cost</p>

THE PRO WAY	
	<p>2 Pieces</p> <p>6 Joints</p> <p>Plus Labor Cost</p> <p>All reducers &amp; adapters included</p>

Contact Thermal Systems Associates, Inc.  
 for more information  
 212.729.3056      info@thermalsa.com



THERMAL SYSTEMS ASSOCIATES, INC

## PRO HYDRONIC PTAC HOOKUP KIT PRICING

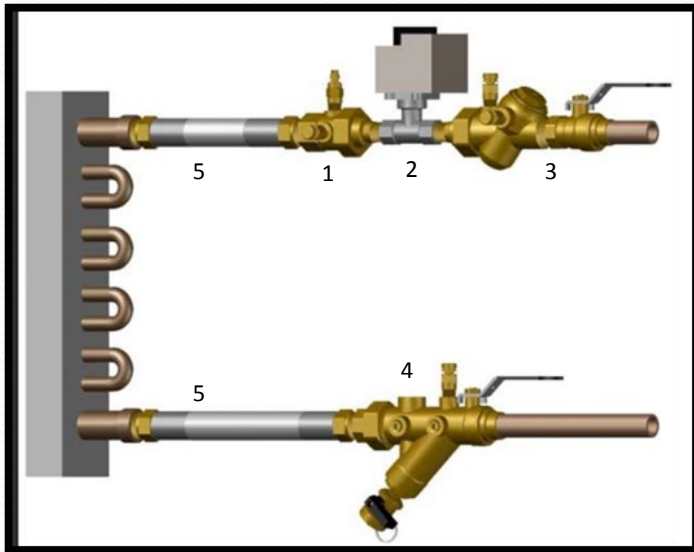
### 3/4" PTAC HOOKUP KIT

WHOLESALER NET

\$ 212.20

SUGGESTED CONTRACTOR PRICE

\$ 254.64



#### INCLUDES:

- (1) Union Isolation Air Vent <sup>1</sup>
- (1) Zone Valve <sup>2</sup>
- (1) Balancing Valve *with ball valve* <sup>3</sup>
- (1) Integral Valve Strainer Union *with ball valve* <sup>4</sup>
- (2) Flex Hoses <sup>5</sup>



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