

HCI Terminator A Press INTEGRATED AUTOMATIC BALANCING VALVE WITH UNION MECHANICAL SPECIFICATIONS



The **Terminator A Press** by **HCI** combines the features of a isolation valve, union, pressure/temperature readout ports with an automatic flow control cartridge into a single compact unit. The stainless steel flow controlling spring loaded cartridge is designed to perform within a +/- 5% accuracy while eliminating vortexing and turbulence. The stainless steel spring will automatically start engaging to maintain the flow rate over an operating range of 2-50 PSID differential pressure across the cartridge.

The **Terminator A Press** can be installed vertically or horizontally without any up or downstream straight pipe requirements. The forged brass body insures reliable, leak-free performance. The **Terminator A Press** is designed for direct mechanical connection to ASTM B88-Type, K, L and M copper tubing in the hard drawn condition.

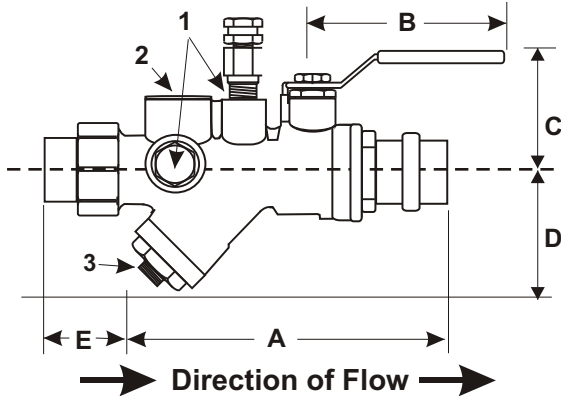
Pressure/ Temperature Ratings:

250 WOG Max. Operating Pressure Non - Shock
600 WOG Design Pressure Non-Shock
All Sizes: 203 Deg. F. Maximum

Optional Accessories:

- Air Vent - Drain/ Blow down valve - Handle Extension
- PT/Port Accessory/Extension - Flex Hoses

Dimensional Information & Material Specifications:



Model #	Size	A	B	C	D	E	Cv*
TA-APF	1/2"	3.80	3.40	1.70	1.60	1.00	5.50
TA-BPF	1/2"	5.20	3.40	1.80	2.40	1.00	9.00
TA-BPF	3/4"						
TA-BPC	3/4"						

1" - 2" Terminator A Press available FNPT body with MIP x Press Adapter

Note: Cv's are based on valve body without cartridge.

Valve Body & Union Nut:	Forged Brass
Press Connection:	DZR Brass - CuZu36Pb2As
Ball:	Chrome Plated/Forged Brass
Stem & Gland Nut:	Forged Brass
Tailpiece:	Forged Brass
Readout Port Body & Cap:	Extruded Brass
Readout Port Seal:	Nordel
Lever Handle:	Zinc Plated Steel w/Vinyl Grip
Lever Nut:	Extruded Brass
Seats & Packing:	PTFE
Stem O-Rings:	Viton
Press O-Ring:	EPDM
Automatic Flow Cartridge:	304 Stainless Steel Spring

Connection Availability:

Body End:	Copper Press	1/2" thru 3/4"
	Female NPT	1/2" thru 3/4"
Tailpiece End:	Male NPT	1/2" thru 3/4"
	Copper SWT	1/2" thru 3/4"
	Female NPT	3/4"
Tailpiece End	Male NPT	3/4"
W/Single Reduction:	Copper SWT	3/4"

Option Ports:

#1 FNPT Option Port: (1) on 1/2" thru 3/4" top and (1) on the side:	1/4" port
#2 FNPT Bypass Option	1/2" thru 3/4" 1/2" port Port:
# 3 FNPT Option Blowdown Drain Port:	1/2" thru 3/4" 1/4" port

Cartridge Size

Flow Rate in GPM

1/2" Low	0.25, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0
1/2" High	3.5, 4.0, 4.5, 5.0, 6.0, 6.5, 7.0, 7.5, 8.0
3/4" Low	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0
3/4" High	10.0, 11.0, 12.0, 13.0, 14.0, 15.0

Automatic flow control cartridges can also be batch manufactured and custom crafted from a variety of different materials such as Monel, Hastelloy "C", Tantalum, Titanium, PVC, Kynar and others to enhance corrosive sensitive applications. Consult the factory today for more information about special materials required for your project.

Typical Specifications:

Furnish and install where indicated on plans **Terminator A Press** integrated terminal unit automatic flow control valves as provided by **Hydronic Components, Inc.** Valves shall be rated for 250 PSI WOG service, (1/2"-3/4"). Valves shall be provided complete with isolation valve, chrome plated ball and dual seal blowout-proof seal stem, union and integrated field changeable automatic flow control cartridge performing within +/- 5% accuracy. Valve body connection to provide with press fit mechanical connection.

JOB: _____ ENGINEER: _____
REP: _____ CONTRACTOR: _____

HCI innovative hydronic components and accessories for the HVAC industry.
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