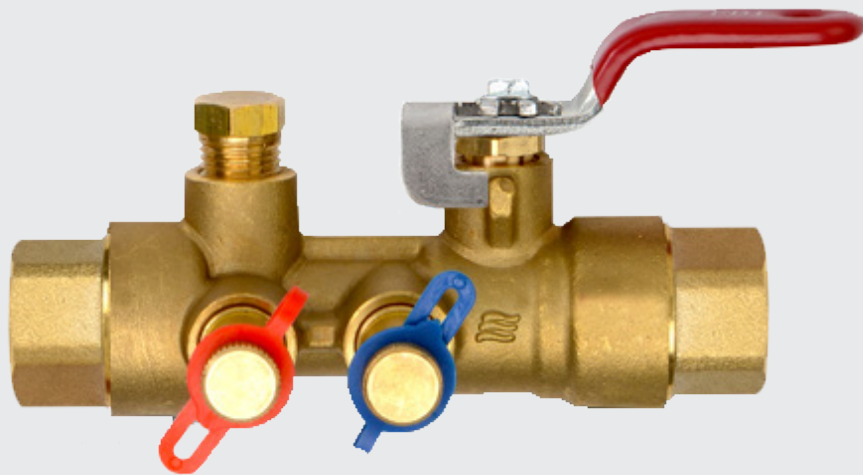


UA Zero

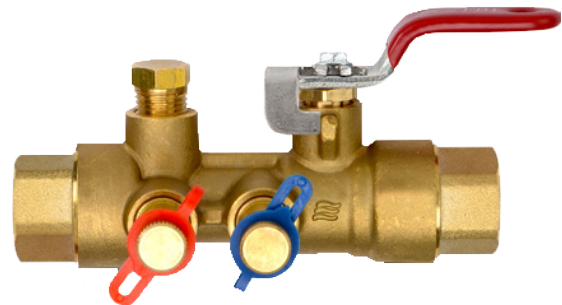


Lead-Free Accusetter
Venturi balancing valve

Engineering
GREAT Solutions

UA Zero

Model UA Zero is a lead-free shutoff and manual throttling venturi valve with large diameter plated ball and PTFE seats. Stem is blowout proof with EPDM O-ring and PTFE packing with packing nut. Micro handle customary on the A body, and standard handle customary on the B and C bodies. Both handles utilize a standard adjustable memory stop for shutoff and resetting and vinyl coated grip. Dual Pressure / Temperature ports are standard on all UA Zero bodies. Models A, B and C are available with fixed threaded female or sweat connection, each with a metal to metal and EPDM O-ring seal.



Key features

- > **Fixed Measures Element**
Reading depends on flow only
- > **Available Connections**
Female NPT and Sweat

Technical description

Application:
Hydronic and Potable Water Balancing

Functions:
Balancing, measuring and Isolation

Dimensions:
1/2" - 2"

Rating:
Bodies A, B & C: 600 psig at 250° F (40 Bar at 120° C)

Accuracy:
±3%

Material:
Body: Lead Free Brass
Fixed Connection: Lead Free Brass
Ball and Stem: 316 Stainless Steel

Model UA Zero complies with NSF/ANSI 372

Tested and Verified by Hurst Metallurgical Research Laboratory, Inc.on Dec. 3, 2015

Markings: LF

Configuration Information

Body Size	Venturi No.	Venturi Flow Ranges* gpm (lps)	CV Rating	Inlet Connections			Outlet Connections		
				in./(mm)			in./(mm)		
A	1	0.2 - 0.7 (0.01 - 0.04)	.28	-	-	-	-	-	-
	2	0.4 - 1.5 (0.03 - 0.09)	.77	1/2"	(15)	S, F	1/2"	(15)	S, F
	3	1.0 - 3.4 (0.06 - 0.21)	2.2	3/4"	(20)	S, F	3/4"	(20)	S, F
	4	2.2 - 7.5 (0.14 - 0.47)	4.8	-	-	-	-	-	-
B	5	2.6 - 9.5 (0.16 - 0.6)	6.0	1"	(25)	S, F	1"	(25)	S, F
	6	5.8 - 21.0 (0.37 - 1.32)	18.0	1 1/4"	(32)	S, F	1 1/4"	(32)	S, F
C	7	9.5 - 37.0 (0.6 - 2.33)	18.0	1 1/2"	(40)	S, F	1 1/2"	(40)	S, F
	8	22.0 - 80.0 (1.39 - 5.05)	68.0	2"	(50)	S, F	2"	(50)	S, F

S = female sweat

F = female NPT

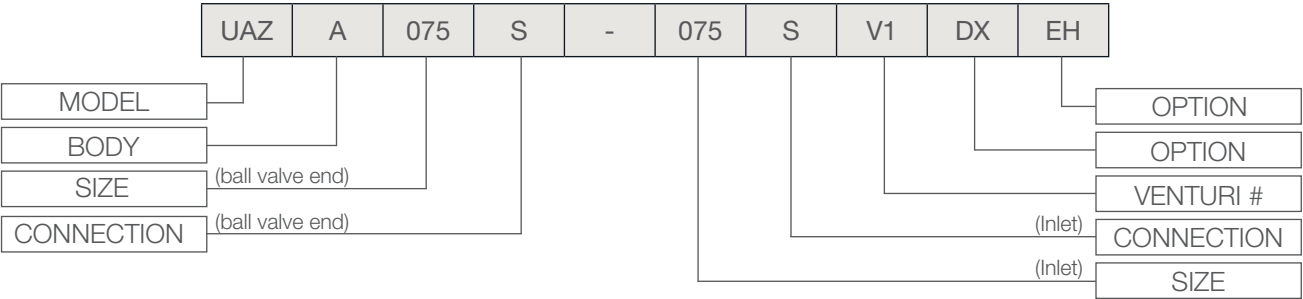
Notes

* Flow range is from the minimum recommended differential pressure 24" to 500" W.C. (5.97 to 124.42 kPa)
See installation and operation manual (Flowset)



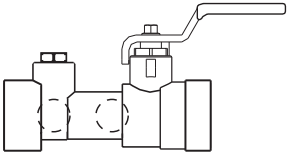
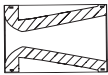
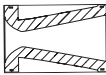
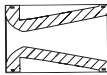
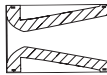




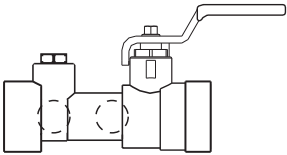
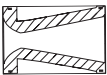
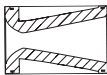




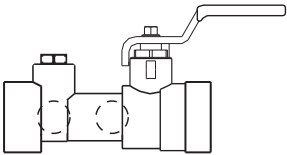
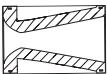
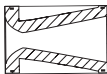


Connection Weights

Body Size	Connection Type	Weight (lbs/Kgs)	
		1/2" (15mm)	3/4" (20mm)
A	S	0.1 (.05)	0.1 (.05)
	F	0.1 (.06)	0.2 (.08)
		3/4" (20mm)	1" (25mm)
B	S	0.2 (.08)	0.1 (.05)
	F	0.2 (.09)	0.3 (.13)
		1 1/2" (40mm)	2" (50mm)
C	S	0.6 (.28)	0.7 (.29)
	F	0.6 (.29)	0.6 (.29)

Model UA Zero Order Designation



S = female sweat F = female NPT Connections (Inlet)

<div>Connections (Inlet)</div> <div>Fixed</div> <div><div></div><div>1/2" S</div><div>3/4" S</div></div> <div><div></div><div>1/2" F</div><div>3/4" F</div></div>	<div>Body A</div> <div>1/2" - 3/4"</div> <div></div> <div>Includes Venturi, two P/T ports & Memory Stop</div> <div>Venturis (Choose One)</div> <div><div>Venturi #1 0.2-0.7</div><div>Venturi #2 0.4-1.5</div><div>Venturi #3 1.0-3.4 gpm</div><div>Venturi #4 2.2-7.5 gpm</div></div> <div><div></div><div></div><div></div><div></div></div>	<div>Connections (Ball Valve End)</div> <div>Fixed</div> <div><div></div><div>1/2" S</div><div>3/4" S</div></div> <div><div></div><div>1/2" F</div><div>3/4" F</div></div>
<div>Connections (Ball Valve End)</div> <div>Fixed</div> <div><div></div><div>1" S</div><div>1-1/4" S</div></div> <div><div></div><div>1" F</div><div>1-1/4" F</div></div>	<div>Body B</div> <div>1" - 1 1/4"</div> <div></div> <div>Includes Venturi, two P/T ports & Memory Stop</div> <div>Venturis (Choose One)</div> <div><div>Venturi #5 2.6-9.5 gpm</div><div>Venturi #6 5.8-21.0 gpm</div></div> <div><div></div><div></div></div>	<div>Connections (Inlet)</div> <div>Fixed</div> <div><div></div><div>1" S</div><div>1-1/4" S</div></div> <div><div></div><div>1" F</div><div>1-1/4" F</div></div>
<div>Connections (Ball Valve End)</div> <div>Fixed</div> <div><div></div><div>1-1/2" S</div><div>2" S</div></div> <div><div></div><div>1-1/2" F</div><div>2" F</div></div>	<div>Body C</div> <div>1 1/2" - 2"</div> <div></div> <div>Includes Venturi, two P/T ports & Memory Stop</div> <div>Venturis (Choose One)</div> <div><div>Venturi #7 9.5-37.0 gpm</div><div>Venturi #8 22.0-80.0 gpm</div></div> <div><div></div><div></div></div>	<div>Connections (Inlet)</div> <div>Fixed</div> <div><div></div><div>1-1/2" S</div><div>2" S</div></div> <div><div></div><div>1-1/2" F</div><div>2" F</div></div>

Options Available

***DX** Two Extended P/T Ports

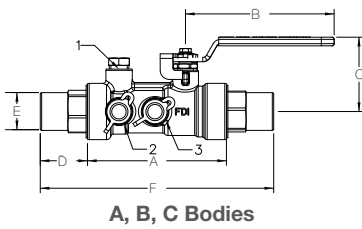
***MI** Metal ID Tag

***EH** Extended Handle

***PI** Plastic ID Tag

***MH** Micro Handle (optional on B Body)

Articles



Body Dimensions

Body Size	A		B		C		Weight	
	in.	(mm)	in.	(mm)	in.	(mm)	lb.	(kg)
A	3.5	(90)	2.3	(58)	2.1	(53)	0.8	(0.4)
B	3.8	(97)	2.3	(58)	2.2	(56)	1.2	(0.5)
C	5.4	(137)	5.5	(140)	3.5	(89)	3.6	(1.6)

Connection Dimensions

Body Size	Connection Type	D		E	
		1/2" (15mm)	3/4" (20mm)	1/2" (15mm)	3/4" (20mm)
A	S	0.5 (14)	0.8 (20)	1.1 (28)	1.2 (29)
	F	0.7 (17)	0.8 (20)	1.1 (28)	1.3 (33)
B	S	1" (25mm)	1 1/4" (32mm)	1" (25mm)	1 1/4" (32mm)
		1.0 (25)	1.2 (29)	1.5 (37)	1.8 (51)
	F	0.9 (24)	1.1 (32)	1.6 (41)	2.0 (45)
		1 1/2" (40mm)	2" (50mm)	1 1/2" (40mm)	2" (50mm)
C	S	1.2 (31)	1.7 (42)	2.4 (62)	2.7 (69)
	F	0.9 (23)	1.2 (29)	2.4 (62)	2.9 (72)

Notes

All weights and dimensions are subject to minor changes.

*The F dimension may be calculated by using two D dimensions and adding them to the A dimension of the valve body.

