


UA Zero



Lead-Free Accusetter
Venturi balancing valve


Engineering
GREAT Solutions

UA Zero

Model UA Zero is a lead-free shut off 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	Venturi No.	Venturi Flow Ranges*	CV (Kv)	Inlet Connections			Outlet Connections		
		gpm (lps)		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	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)
B			3/4" (20mm)
			1" (25mm)
	S		0.2 (.08)
	F		0.3 (.13)
C			1 1/2" (40mm)
			2" (50mm)
	S		0.6 (.28)
	F		0.6 (.29)

S = female sweat **F** = female NPT

Options Available

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

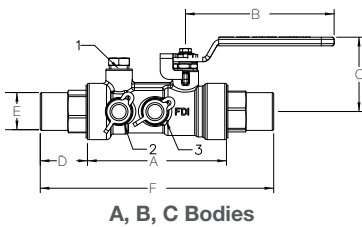
***MI** Metal ID Tag

***EH** Extended Handle

***PI** Plastic ID Tag

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

Articles



Body Dimensions

Body	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	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		1" (25mm)	1 1/4" (32mm)	1" (25mm)	1 1/4" (32mm)
	S	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)

S = female sweat **F** = female NPT

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.



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