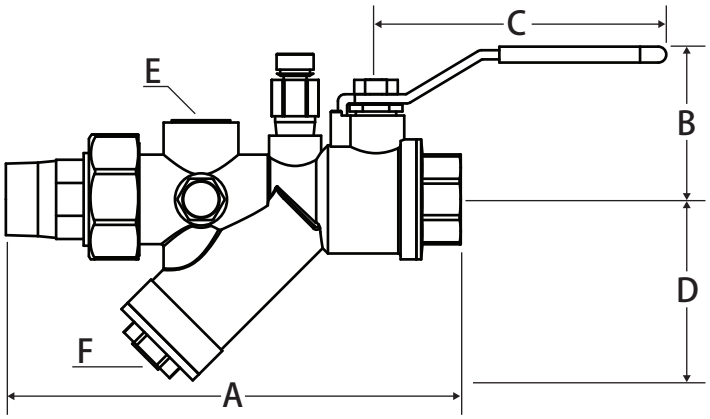
Automatic Balancing Valve

Automatic Flow Limiter • Isolation Ball Valve • Union • 600 PSI • with Stainless Steel Trim

AT SS



DIRECTION OF FLOW

Features

- 2-60 PSID operating range
- +/- 5% Accuracy
- Two pressure / temperature (PT) test ports
- Location tag
- Two additional accessory taps
- Triple sealing stem with 2 Viton® o-rings and Teflon® seal
- Blow out proof stem
- 100% leak tested
- See end of catalog for GPM ordering guide

Pressure and Temperature Rating

- 600 PSI
- 325°F Max

Smart Part Number Ordering Guide

ATSS-CFRM-L-X 2.0

ATSS | **C** | **F** | **RM** | **L** | **X** | **2.0**

Valve Size

A	1/2"
B	3/4"
C	1"
D	1-1/4"
E	1-1/2"
F	2"

Body Type

F	FNPT
C	SWT

Tailpiece Size and Type

No Reduction

F	FNPT
M	MNPT
C	SWT

Single Reduction*

RF	FNPT
RM	MNPT
RC	SWT

Double Reduction**

2RF	FNPT
2RM	MNPT
2RC	SWT

*Only available on 3/4" - 2" valves
**Only available on 1" - 2" valves

Optional (X)

Optional Accessories

X	Extended Handle, PT Ports and Accessories
V	Manual Air Vent
B	Ball Valve Air Vent

2.0 — See GPM ordering guide

Material Specifications

Part	Material
Body	Brass - CW617N
End Connection	Brass -CW617N
Ball	316 Stainless Steel
Seat (2)	PTFE
Stem	316 Stainless Steel
Packing	PTFE
Stem O-ring (2)	Viton®
Packing Gland	Brass -CW614N
Handle	Steel - Zinc Plated
Handle Nut	Brass -CW614N
Service Cap	Brass -CW617N
Service Cap O-ring	Viton®
Union Gasket	EPDM
Tail Piece	Brass - CW617N
Union Nut	Brass - CW617N
Balancing Cartridge	Brass, Stainless steel, EPDM
Cartridge Retaining Spring	Stainless Steel

Dimensions

Size	A*	B	C	D	E	F
1/2"	5.54	1.70	3.40	1.60	0.50	0.25
3/4"	6.38	1.80	3.40	2.40	0.50	0.25
1"	6.81	1.80	3.40	2.40	0.50	0.25
1-1/4"	8.88	2.50	4.40	3.50	0.75	0.25
1-1/2"	9.13	2.50	4.40	3.50	0.75	0.25
2"	11.38	3.50	5.50	4.50	0.75	0.25

*Length is for a SWT x MNPT valve, additional dimensions available upon request

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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GPM Ordering Guide

Select a size and GPM, this will determine the cartridge type

ATSS-CFRM-L-X 2.0

Desired GPM

1/2"

2-32 PSI	5-60 PSI
C1-L	C1-H
0.33	4.0
0.5	5.0
0.75	
1.0	
2.0	
2.5	
3.0	

3/4" and 1”

2-32 PSI	5-60 PSI
C2-L	C2-H
0.33	9.0
0.5	10.0
0.75	11.0
1.0	12.0
2.0	
3.0	
3.5	
4.0	
4.5	
5.0	
6.0	
7.0	
8.0	

1-1/4” and 1-1/2”

2-32 PSI	5-60 PSI
C3-L	CS-H
9.0	20.0
10.0	22.0
11.0	24.0
12.0	26.0
13.0	
14.0	
15.0	
16.0	
18.0	

2"

2-32 PSI	5-60 PSI
C4-L	C4-H
20.0	52.0
24.0	58.0
28.0	64.0
32.0	70.0
36.0	
40.0	
44.0	
48.0	

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