

DIMENSIONS & DATA CERTIFIED FOR:

Representative:

Order:

Customer:

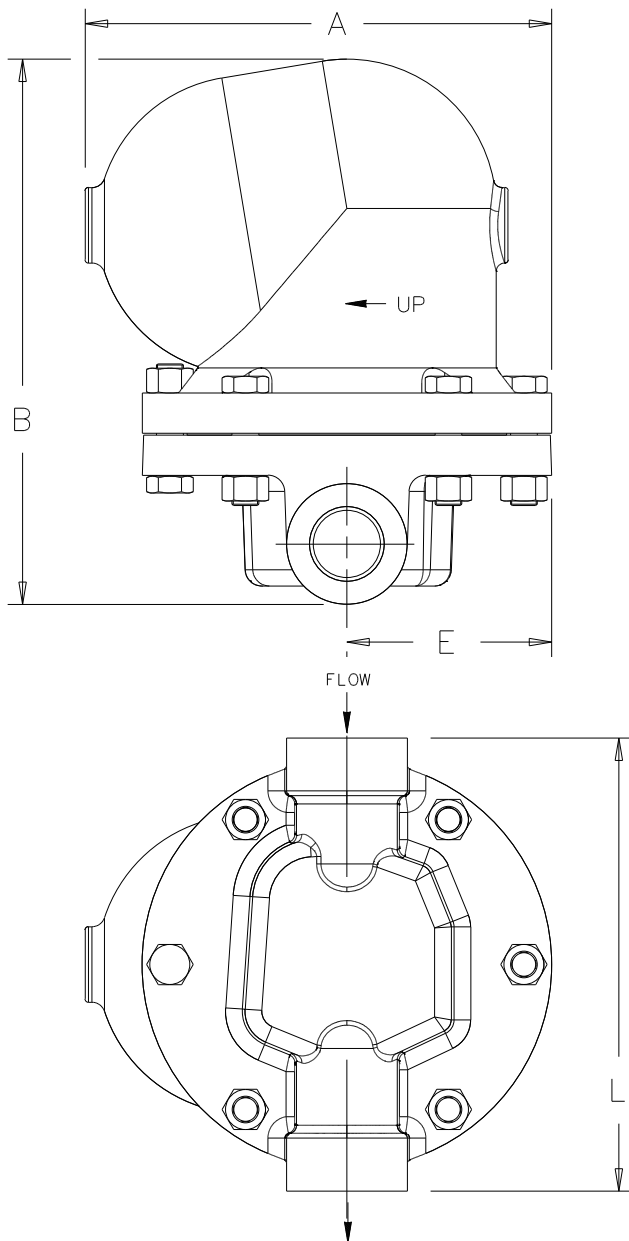
Order:

Project:

Requirements:

By:

Date:



1-1/2" NPT Shown Above

LIST OF MATERIALS:

NAME OF PART	MATERIAL
Cap/Body	EN 1563 EN-GJS-400-18U ASTM A395
Cap Extension	ASTM A747 Grade CB7Cu-1, 17-4 PH
Cap Bolting	ASTM A307 Grade B
Cap Gaskets	Flexible Graphite
Valve	ASTM A747 Grade CB7Cu-1, 17-4 PH
Valve Seat	
Float	ASTM A167 T304 SS
Mechanism	ASTM A351 Gr. CF8M
Thermostatic Air Vent Balanced Pressure	ASTM A167 T304 SS

TECHNICAL INFORMATION

MODEL NO.	AIC (ANSI FLG)	
DESCRIPTION	DN40 1-1/2	DN50 2
"A" (Height, Body To Flange)	278 [10.95]	
"B" (Length, Body To Cap)	326 [12.83]	333 [13.10]
"L" (Face-To-Face)	270 [10.63]	300 [11.81]
"E" (Bottom To ϕ Of Inlet)	122 [4.80]	
Weight;	32 kg [70.5 lbs]	

DESIGN INFORMATION

Maximum Allowable Pressure (Vessel Design)	40 bar at 300°C [580 psig at 572°F]
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Product

METRIC

CD No.

Date

AIC F&T (Horizontal)
NPT & BSPT

WEB
Y | N
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2017

5/23/07

Rev; A

By; paulg

DIMENSIONS & DATA CERTIFIED FOR:

Representative:

Order:

Customer:

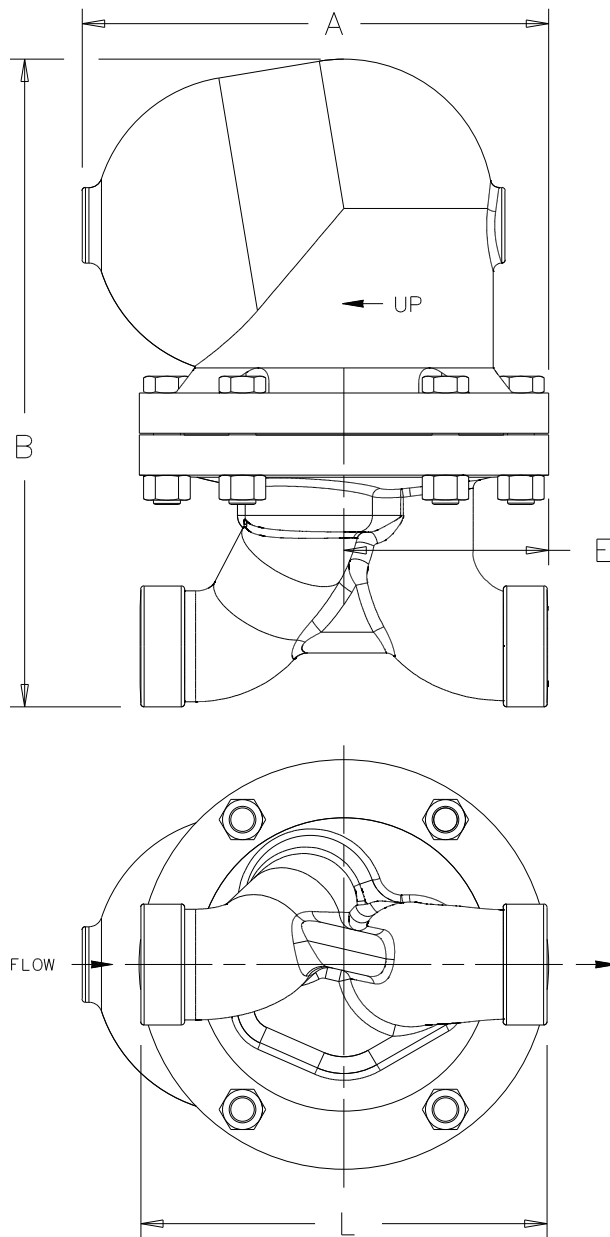
Order:

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Requirements:

By:

Date:



1-1/2" NPT Shown Above

LIST OF MATERIALS:

NAME OF PART	MATERIAL
Cap/Body	EN 1563 EN-GJS-400-18U ASTM A395
Cap Extension	ASTM A747 Grade CB7Cu-1, 17-4 PH
Cap Bolting	ASTM A307 Grade B
Cap Gaskets	Flexible Graphite
Valve	ASTM A747 Grade CB7Cu-1, 17-4 PH
Valve Seat	
Float	ASTM A167 T304 SS
Mechanism	ASTM A351 Gr. CF8M
Thermostatic Air Vent Balanced Pressure	ASTM A167 T304 SS

TECHNICAL INFORMATION

MODEL NO.	AIC (ANSI FLG)	
DESCRIPTION	DN40 1-1/2	DN50 2
"A" (Height, Body To Flange)	278 [10.95]	
"B" (Length, Body To Cap)	386[15]	398[15.67]
"L" (Face-To-Face)	243[9.57]	275[10.84]
"E" (Bottom To ϕ Of Inlet)	122 [4.80]	
Weight;	32 kg [70.5 lbs]	

DESIGN INFORMATION

Maximum Allowable Pressure (Vessel Design)	40 bar at 300°C [580 psig at 572°F]
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Product
AIC F&T (Vertical)
NPT & BSPT

METRIC

CD No.

Date

WEB
Y N
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2018

5/23/07

Rev; A

By; paulg

DIMENSIONS & DATA CERTIFIED FOR:

Representative:

Order:

Customer:

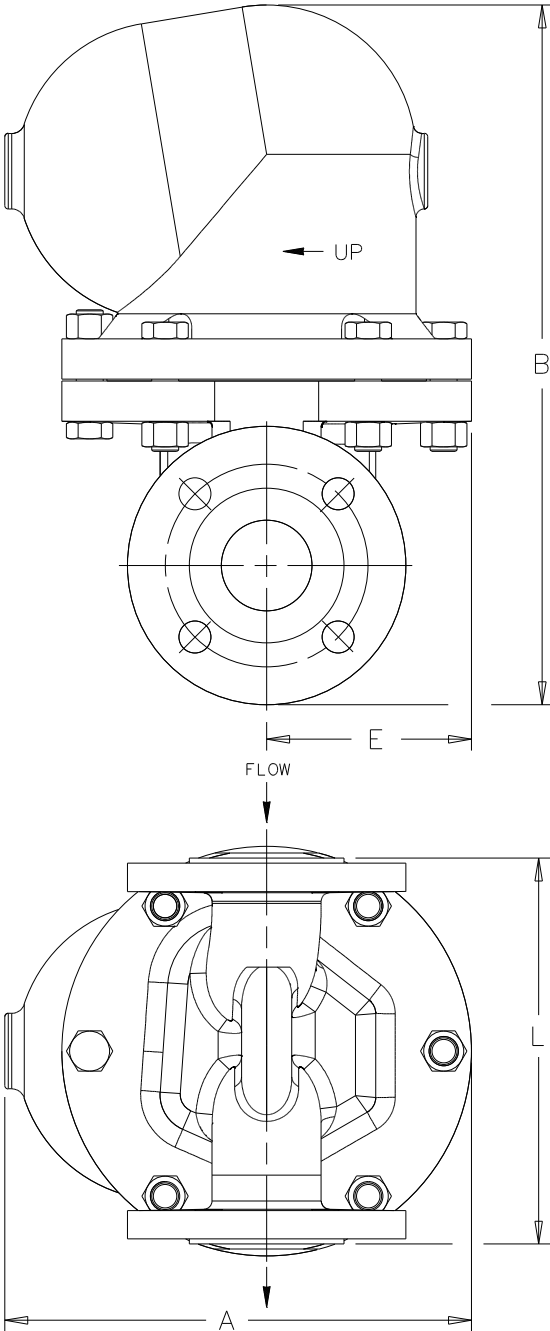
Order:

Project:

Requirements:

By:

Date:



2" CL. 150 Flg. Shown Above
Complies W/ ANSI B16.5

LIST OF MATERIALS:

NAME OF PART	MATERIAL
Cap/Body	EN 1563 EN-GJS-400-18U ASTM A395
Cap Extension	ASTM A747 Grade CB7Cu-1, 17-4 PH
Cap Bolting	ASTM A307 Grade B
Cap Gaskets	Flexible Graphite
Valve	ASTM A747 Grade CB7Cu-1, 17-4 PH
Valve Seat	
Float	ASTM A167 T304 SS
Mechanism	ASTM A351 Gr. CF8M
Thermostatic Air Vent Balanced Pressure	ASTM A167 T304 SS

TECHNICAL INFORMATION

MODEL NO.	AIC (ANSI FLG)	
DESCRIPTION	DN40 1-1/2	DN50 2
A (Height, Body To Flange)	278 [10.95]	
B (Length, Body To Flange)	CL. 150 410 [16.14]	CL. 300 417 [16.42]
L (Face-To-Face)	CL. 150 230 [9.06]	
	CL. 300 231 [9.09]	235 [9.25]
E (Bottom To ϕ Of Inlet)	122 [4.80]	
Weight;	34 kg [75 lbs]	

DESIGN INFORMATION

Maximum Allowable Pressure (Vessel Design)	CL. 150	11.7 bar at 260°C [170 psig at 500°F]
	CL. 300	32.6 bar at 300°C [473 psig at 572°F]



Product

METRIC

CD No.

Date

AIC F&T (Horizontal)
ANSI FLANGE

WEB
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2014

5/23/07

Rev; A

By; paulg

DIMENSIONS & DATA CERTIFIED FOR:

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Order:

Customer:

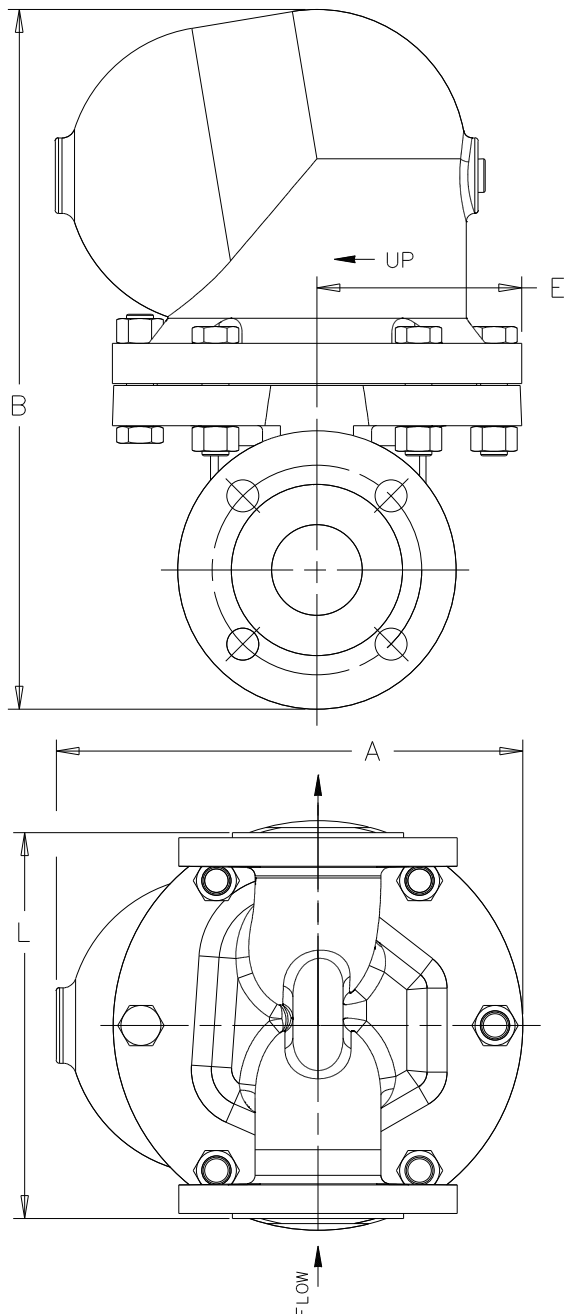
Order:

Project:

Requirements:

By:

Date:



DN 50 PN40 Fig. Shown Above
Complies W/ DIN EN 1092-1

LIST OF MATERIALS:

NAME OF PART	MATERIAL
Cap/Body	EN 1563 EN-GJS-400-18U ASTM A395
Cap Extension	ASTM A747 Grade CB7Cu-1, 17-4 PH
Stud	ASTM A193 Gr B7
Nut	ASTM A1934 Gr 2H
Cap Gaskets	Flexible Graphite
Valve	ASTM A747 Grade CB7Cu-1, 17-4 PH
Valve Seat	ASTM A747 Grade CB7Cu-1, 17-4 PH
Float	ASTM A167 T304 SS
Mechanism	ASTM A351 Gr. CF8M
Thermostatic Air Vent Balanced Pressure	ASTM A167 T304 SS

TECHNICAL INFORMATION

MODEL NO.	AIC (DIN FLG)	
DESCRIPTION	DN40 [1-1/2]	DN50 [2]
A (Height, Body To Flange)	278 [10.95]	
B (Length, Body To Flange)	410 [16.14]	417 [16.42]
L (Face-To-Face)	230 [9.06]	
E (Bottom To ϕ Of Inlet)	122 [4.80]	
Weight;	34 kg [75 lbs]	

DESIGN INFORMATION

Maximum Allowable Pressure (Vessel Design)	40 bar at 300°C [580 psig at 572°F]
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Product

METRIC

CD No.

Date

AIC F&T (Horizontal)
DN40, DN50 FLGS. PN 40

WEB
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2029

5/23/07

Rev; A

By; paulg

DIMENSIONS & DATA CERTIFIED FOR:

Representative:

Order:

Customer:

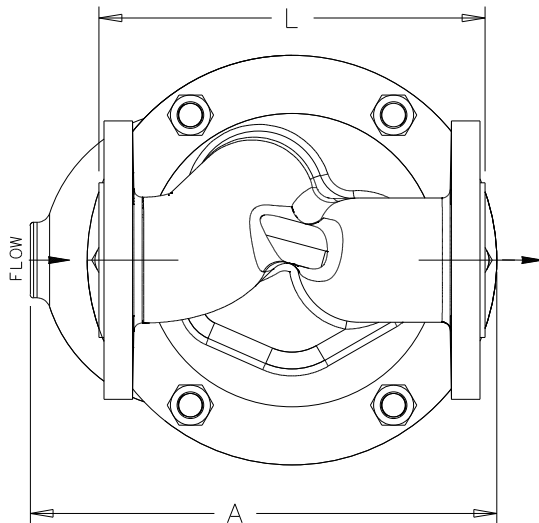
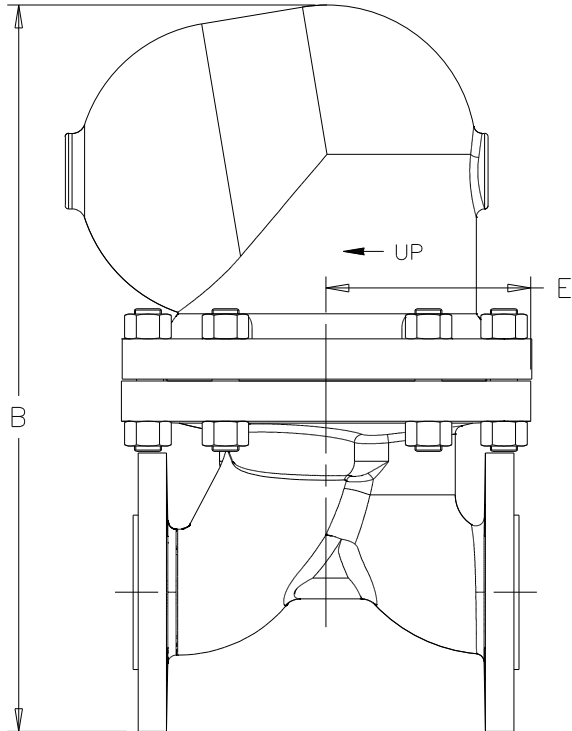
Order:

Project:

Requirements:

By:

Date:



DN 50 PN40 Fig. Shown Above
Complies W/ DIN EN 1092-1

LIST OF MATERIALS:

NAME OF PART	MATERIAL
Cap/Body	EN 1563 EN-GJS-400-18U ASTM A395
Cap Extension	ASTM A747 Grade CB7Cu-1, 17-4 PH
Stud	ASTM A193 Gr B7
Nut	ASTM A1934 Gr 2H
Cap Gaskets	Flexible Graphite
Valve	ASTM A747 Grade CB7Cu-1, 17-4 PH
Valve Seat	ASTM A747 Grade CB7Cu-1, 17-4 PH
Float	ASTM A167 T304 SS
Mechanism	ASTM A351 Gr. CF8M
Thermostatic Air Vent Balanced Pressure	ASTM A167 T304 SS

TECHNICAL INFORMATION

MODEL NO.	AIC (DIN FLG)	
DESCRIPTION	DN40 [1-1/2]	DN50 [2]
A (Height, Body To Flange)	278 [10.95]	
B (Length, Body To Flange)	426 [16.77]	433 [17.05]
L (Face-To-Face)	230 [9.06]	
E (Bottom To ϕ Of Inlet)	122 [4.80]	
Weight;	34 kg [75 lbs]	

DESIGN INFORMATION

Maximum Allowable Pressure (Vessel Design)	40 bar at 300°C [580 psig at 572°F]
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Product

METRIC

CD No.

Date

AIC F&T (Vertical)
DN40, DN50 FLGS. PN 40

WEB
YIN
✓

2019

5/23/07

Rev; A

By; paulg