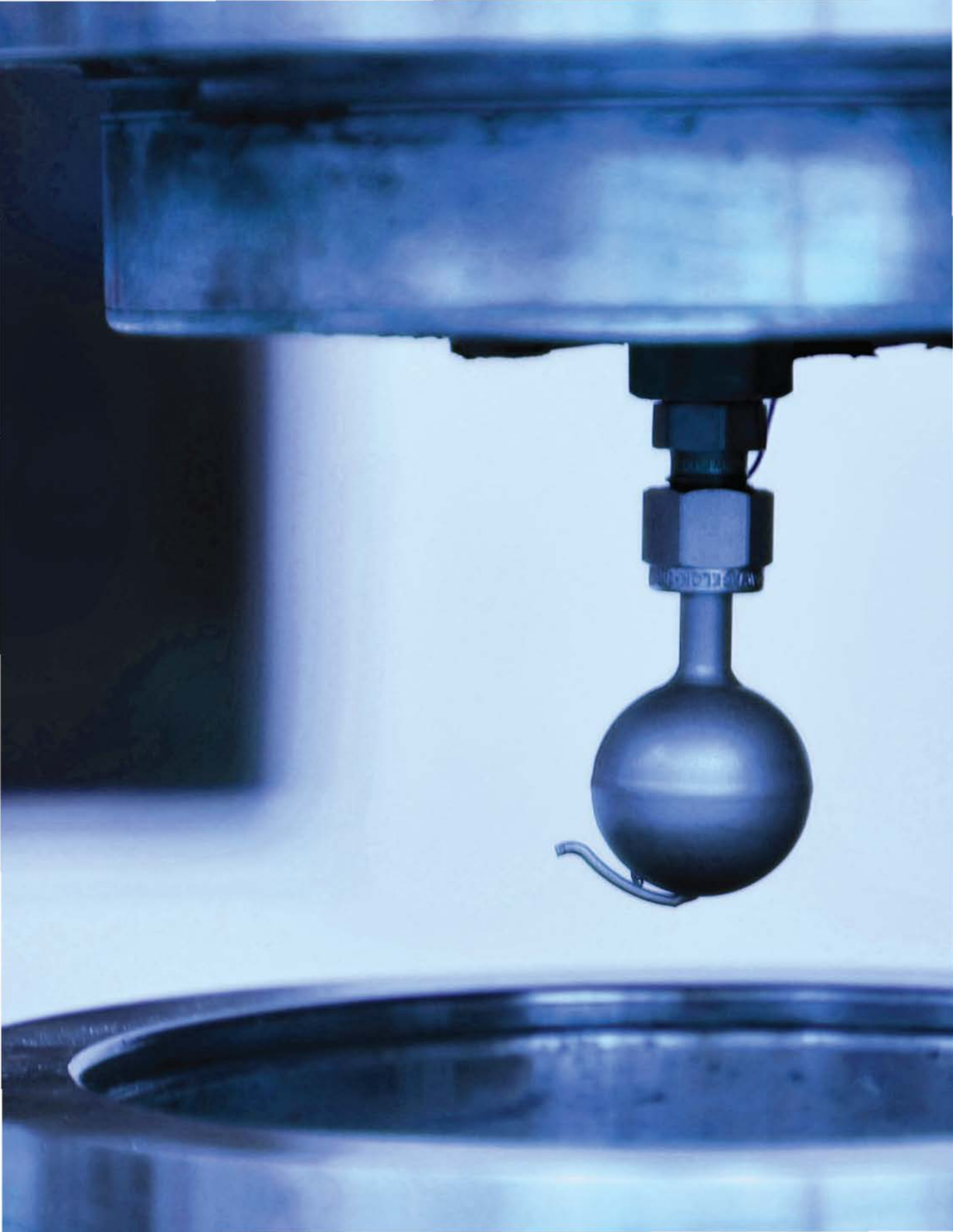




ARC BOMBS & SUPPLIES

Fauske & Associates, LLC (FAI) provides test cells (bombs) for all ARC devices, as well as other calorimeters, such as the APTAC and TS^U. We also provide custom designs which vary stem length, wall thickness and material of construction to suit your specialized testing needs. FAI also rebuilds certain models of calorimeters that have been damaged by testing or wear-and-tear.

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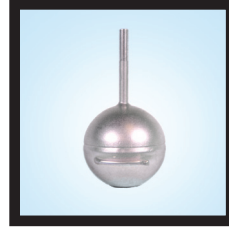
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ARC BOMBS

ARC Bombs

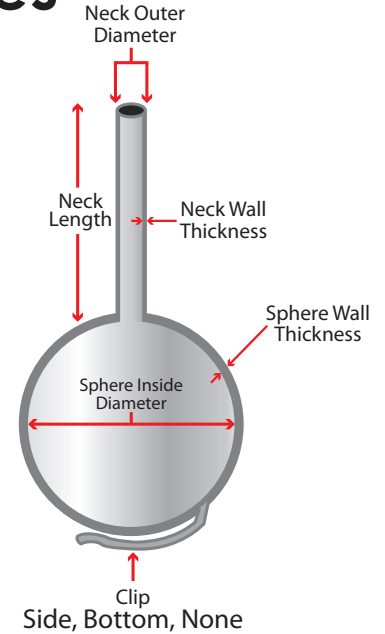
1.1 All Metal - 1 Series



FS, FH & FT Models

These models include the following:

- 1" Sphere Inside Diameter
- 0.035" Sphere Wall Thickness (W.T.)
- $\frac{1}{8}$ " Neck Outer Diameter
- 1" Neck Length
- Volume: 9 mL
- Neck Wall Thickness (W.T.) and Mass vary



Item#	Metal Type	Sphere W.T.	Neck W.T.	Mass +/- 0.5 g	Clip
ARC-FS-1A-BC	316SS	0.035	0.020	16.00 g	Bottom
ARC-FS-1A-NC	316SS	0.035	0.020	16.00 g	None
ARC-FS-1A-SC	316SS	0.035	0.020	16.00 g	Side
ARC-FS-1A-304-BC	304SS	0.035	0.020	16.00 g	Bottom
ARC-FS-1A-304-NC	304SS	0.035	0.020	16.00 g	None
ARC-FS-1A-304-SC	304SS	0.035	0.020	16.00 g	Side
ARC-FS-1-BC	316SS	0.035	0.035	16.00 g	Bottom
ARC-FS-1-NC	316SS	0.035	0.035	16.00 g	None
ARC-FS-1-SC	316SS	0.035	0.035	16.00 g	Side
ARC-FH-1A-BC	Hastelloy	0.035	0.020	18.90 g	Bottom
ARC-FH-1A-NC	Hastelloy	0.035	0.020	18.90 g	None
ARC-FH-1A-SC	Hastelloy	0.035	0.020	18.90 g	Side
ARC-FH-1-BC	Hastelloy	0.035	0.035	19.80 g	Bottom
ARC-FH-1-NC	Hastelloy	0.035	0.035	19.80 g	None
ARC-FH-1-SC	Hastelloy	0.035	0.035	19.80 g	Side
ARC-FT-1A-BC	Titanium	0.035	0.020	9.50 g	Bottom
ARC-FT-1A-NC	Titanium	0.035	0.020	9.50 g	None
ARC-FT-1A-SC	Titanium	0.035	0.020	9.50 g	Side
ARC-FT-1-BC	Titanium	0.035	0.035	9.00 g	Bottom
ARC-FT-1-NC	Titanium	0.035	0.035	9.00 g	None
ARC-FT-1-SC	Titanium	0.035	0.035	9.00 g	Side

Custom item. Subject to availability.

Please email parts@fauske.com for details.

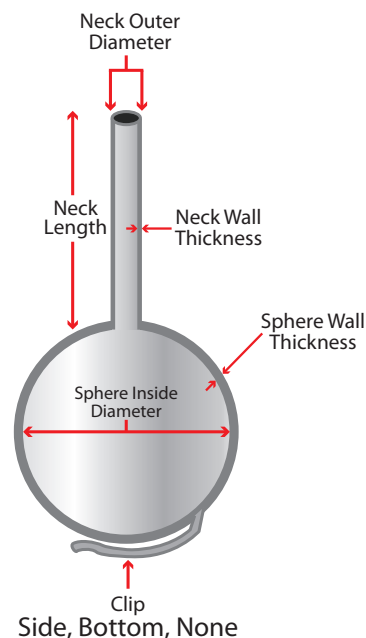
1.2 All Metal - 2 Series



FS, FH, FT & FC Models

These models include the following:

- 1" Sphere Inside Diameter
- 0.035" Sphere Wall Thickness
- $\frac{1}{4}$ " Neck Outer Diameter
- 1" Neck Length
- Volume: 9.5 mL
- Neck Wall Thickness (W.T.) and Mass vary

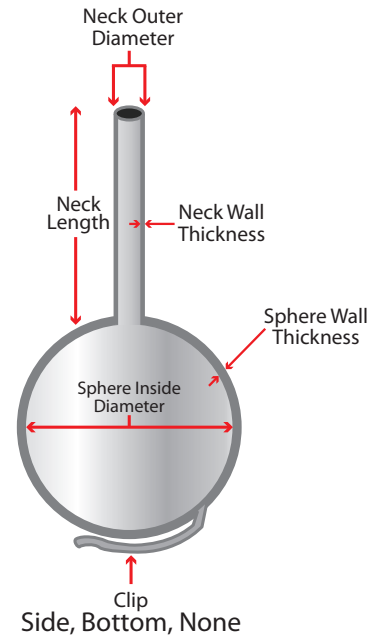
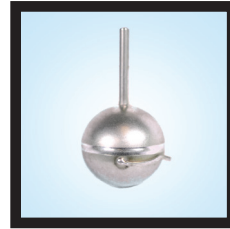
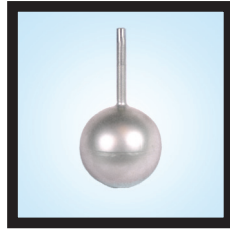
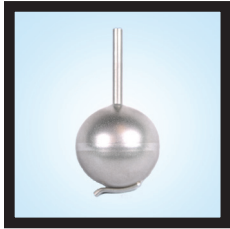


Item#	Metal Type	Sphere W.T.	Neck W.T.	Mass +/- 0.5 g	Clip
ARC-FS-2-BC	316SS	0.035	0.035	17.25 g	Bottom
ARC-FS-2-NC	316SS	0.035	0.035	17.25 g	None
ARC-FS-2-SC	316SS	0.035	0.035	17.25 g	Side
ARC-FS-2-304-NC	304SS	0.035	0.020	16.84 g	None
ARC-FH-2-BC	Hastelloy	0.035	0.035	21.40 g	Bottom
ARC-FH-2-NC	Hastelloy	0.035	0.035	21.40 g	None
ARC-FH-2-SC	Hastelloy	0.035	0.035	21.40 g	Side
ARC-FT-2-BC	Titanium	0.035	0.035	10.00 g	Bottom
ARC-FT-2-NC	Titanium	0.035	0.035	10.00 g	None
ARC-FT-2-SC	Titanium	0.035	0.035	10.00 g	Side
ARC-FC-2-BC	Carbon Steel	0.035	0.035	18.00 g	Bottom
ARC-FC-2-NC	Carbon Steel	0.035	0.035	18.00 g	None
ARC-FC-2-SC	Carbon Steel	0.035	0.035	18.00 g	Side

Custom item. Subject to availability.

Please email parts@fauske.com for details.

1.3 All Metal - 3 Series



FS, FH & FT Models

These models include the following:

- 1" Sphere Inside Diameter
- $\frac{1}{8}$ " Neck Outer Diameter
- 1" Neck Length
- Volume: 9 mL
- Sphere Wall Thickness (W.T.), Neck Wall Thickness (W.T.) and Mass vary

Item#	Metal Type	Sphere W.T.	Neck W.T.	Mass +/- 0.5 g	Clip
ARC-FS-3A-BC	304SS	0.020"	0.020	9.50 g	Bottom
ARC-FS-3A-NC	304SS	0.020"	0.020	9.50 g	None
ARC-FS-3A-SC	304SS	0.020"	0.020	9.50 g	Side
ARC-FS-3-BC	316SS	0.020"	0.035	9.40 g	Bottom
ARC-FS-3-NC	316SS	0.020"	0.035	9.40 g	None
ARC-FS-3-SC	316SS	0.020"	0.035	9.40 g	Side
ARC-FH-3A-BC	Hastelloy	0.025"	0.035	13.40 g	Bottom
ARC-FH-3A-NC	Hastelloy	0.025"	0.035	13.40 g	None
ARC-FH-3A-SC	Hastelloy	0.025"	0.035	13.40 g	Side
ARC-FH-3-BC	Hastelloy	0.025"	0.035	13.50 g	Bottom
ARC-FH-3-NC	Hastelloy	0.025"	0.035	13.50 g	None
ARC-FH-3-SC	Hastelloy	0.025"	0.035	13.50 g	Side
ARC-FT-3A-BC	Titanium	0.020"	0.020	5.50 g	Bottom
ARC-FT-3A-NC	Titanium	0.020"	0.020	5.50 g	None
ARC-FT-3A-SC	Titanium	0.020	0.020	5.50 g	Side
ARC-FT-3-BC	Titanium	0.020"	0.035	5.50 g	Bottom
ARC-FT-3-NC	Titanium	0.020"	0.035	5.50 g	None
ARC-FT-3 SC	Titanium	0.020"	0.035	5.50 g	Side

Custom item. Subject to availability.

Please email parts@fauske.com for details.

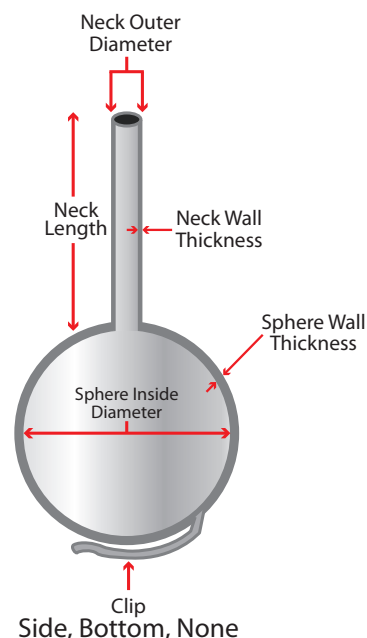
1.4 All Metal - 4 Series



FS, FH & FT Models

These models include the following:

- 1" Sphere Inside Diameter
- 1/4" Neck Outer Diameter
- 1" Neck Length
- Volume: 9.5 mL
- Sphere Wall Thickness (W.T.), Neck Wall Thickness (W.T.) and Mass vary



Item#	Metal Type	Sphere W.T.	Neck W.T.	Mass +/- 0.5 g	Clip
ARC-FS-4-BC	316SS	0.020"	0.035	11.30 g	Bottom
ARC-FS-4-NC	316SS	0.020"	0.035	11.30 g	None
ARC-FS-4-SC	316SS	0.020"	0.035	11.30 g	Side
ARC-FH-4-BC	Hastelloy	0.025"	0.035	15.60 g	Bottom
ARC-FH-4-NC	Hastelloy	0.025"	0.035	15.60 g	None
ARC-FH-4-SC	Hastelloy	0.025"	0.035	15.60 g	Side
ARC-FT-4-BC	Titanium	0.020"	0.035	6.50 g	Bottom
ARC-FT-4-NC	Titanium	0.020"	0.035	6.50 g	None
ARC-FT-4-SC	Titanium	0.020"	0.035	6.50 g	Side
ARC-FT-4A-BC	Titanium	0.020"	0.020	6.05 g	Bottom
ARC-FT-4A-NC	Titanium	0.020"	0.020	6.05 g	Bottom
ARC-FT-4A-SC	Titanium	0.020	0.020	6.05 g	Bottom

Custom item. Subject to availability.

Please email parts@fauske.com for details.

ARC Bombs

1.5 All Metal - 5, 6 & 7 Series



ARC-FT-5-SC (Side Clip)

Metal Type: Titanium
Sphere Inside Diameter: 1"
Sphere Wall Thickness: 0.020"
Neck Outer Diameter: $\frac{3}{8}$ "
Neck Wall Thickness: 0.035"
Mass: 7.5g (+/- 0.5 g)+
Volume: 9.5 mL



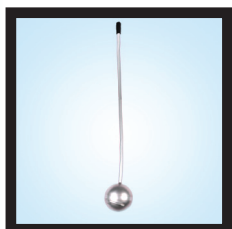
ARC-FS-5-SC (Side Clip)

Metal Type: 316SS
Sphere Inside Diameter: 1"
Sphere Wall Thickness: 0.020"
Neck Outer Diameter: $\frac{1}{2}$ "
Neck Wall Thickness: 0.035"
Mass: 7.5g (+/- 0.5 g)+
Volume: 9.5 mL



ARC-FS-5-SC (Side Clip)

Metal Type: Hastelloy
Sphere Inside Diameter: 1"
Sphere Wall Thickness: 0.025"
Neck Outer Diameter: $\frac{1}{2}$ "
Neck Wall Thickness: 0.035"
Mass: 7.5g (+/- 0.5 g)+
Volume: 9.5 mL



ARC-FH-6-SC (Side Clip)

Metal Type: Hastelloy
Sphere Inside Diameter: 1"
Sphere Wall Thickness: 0.025"
Neck Length: 6.5"
Neck Outer Diameter: $\frac{1}{8}$ "
Neck Wall Thickness: 0.020"
Mass: 21-22g (+/- 0.5 g)
Volume: 9.5 mL



ARC-FS-7-SC (Side Clip)

Metal Type: 316SS
Sphere Inside Diameter: 1"
Sphere Wall Thickness: 0.020"
Neck Outer Diameter: $\frac{1}{2}$ "
Neck Wall Thickness: 0.020"
Mass: 12g (+/- 0.5 g)
Volume: 9.5 mL



ARC-FT-7-BC (Bottom Clip)

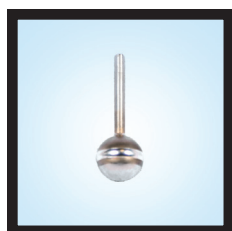
Metal Type: Titanium
Sphere Inside Diameter: 1"
Sphere Wall Thickness: 0.020"
Neck Outer Diameter: $\frac{1}{2}$ "
Neck Wall Thickness: 0.020"
Mass: 12g (+/- 0.5 g)
Volume: 9.5 mL

Note: Other clip locations available as a custom order.

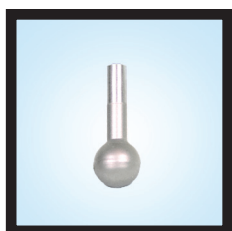
Custom item. Subject to availability.

Please email parts@fauske.com for details.

1.6 All Metal - Mini's



1



2



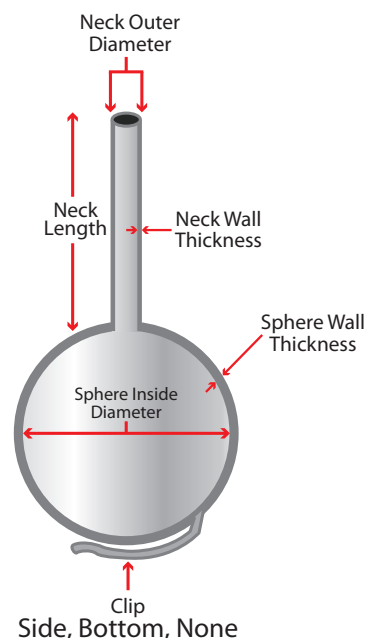
3



4



5



MFS, MFH & MFT Models

These models include the following:

- 1/2" Sphere Inside Diameter
- 0.020" Sphere Wall Thickness (W.T.)
- 1" Neck Length
- Volume: 2.0 mL
- Neck Outer Diameter, Neck W.T. and Mass vary

Item#	Metal Type	Sphere W.T.	Neck O.D.	Neck W.T.+/-	Mass .05g	Clip
ARC-MFS-3-BC	316SS	0.020	1/8"	0.020	3.30 g	Bottom
ARC-MFS-3-NC	316SS	0.020	1/8"	0.020	3.30 g	None
ARC-MFS-3-NC	316SS	0.020	1/8"	0.020	3.30 g	None
ARC-MFS-4-BC	316SS	0.020	1/4"	0.035	2.30 g	Bottom
ARC-MFS-4-NC	316SS	0.020	1/4"	0.035	2.30 g	None
ARC-MFS-4-SC	316SS	0.020	1/4"	0.035	2.30 g	Side
ARC-MFH-5-BC	Hastelloy	0.020	1/4"	0.035	8.00 g	Bottom
ARC-MFH-5-NC	Hastelloy	0.020	1/4"	0.035	8.00 g	None
ARC-MFH-5-SC	Hastelloy	0.020	1/4"	0.035	8.00 g	Side
ARC-MFT-6-BC	Titanium	0.020	1/4"	0.035	3.00 g	Bottom
ARC-MFT-6-NC	Titanium	0.020	1/4"	0.035	3.00 g	None
ARC-MFT-6-SC	Titanium	0.020	1/4"	0.035	3.00 g	Side
ARC-MFT-7-BC	Titanium	0.020	1/8"	0.020	2.00 g	Bottom
ARC-MFT-7-NC	Titanium	0.020	1/8"	0.020	2.00 g	None
ARC-MFT-7-SC	Titanium	0.020	1/8"	0.020	2.00 g	Side

Custom item. Subject to availability.

Please email parts@fauske.com for details

ARC Bombs

1.7 Custom ARC Test Cells

ARC

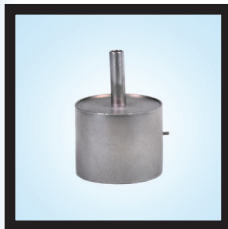
ARSST/RSST

VSP/VSP2

SOFTWARE

DSC

SERVICES



25 ml Cylindrical Test Cell

Side Clip

Approx. Dimensions: 1 1/2" O.D. x 1 1/5" H

Neck Outer Diameter: 1/4", Vol. 25 mL, 8.5 grams

Mass: Varies

Item: ARC-FS-25CC

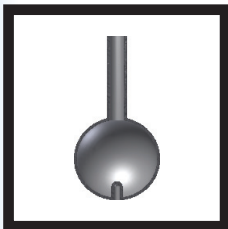
Item: ARC-FH-25CC

Item: ARC-FT-25CC

Stainless Steel

Hastelloy

Titanium



Thermowell ARC Bomb

Sphere Inner Diameter: 1"

Neck Length: 1"

Neck Wall Thickness: 0.035"

Thermowell - 5mm deep into bottom of cell

ARC-FS-2-TW90

- Neck 1/4" O.D. 316SS

ARC-FS-1-TW90

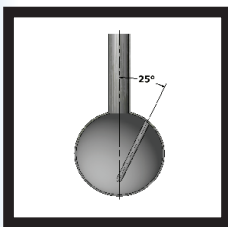
- Neck 1/8" O.D. 316SS

ARC-FH-2-TW90

- Neck 1/4" O.D. Hast-C

ARC-FH-1-TW90

- Neck 1/8" O.D. Hast-C



Thermowell ARC Bomb

Sphere Inner Diameter: 1"

Neck Length: 1"

Neck Wall Thickness: 0.035"

Thermowell at 25° angle, 5mm from inner wall of the cell

ARC-FS-2-TW25

- Neck 1/4" O.D. 316SS

ARC-FS-1-TW25

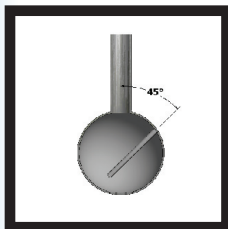
- Neck 1/8" O.D., 316SS

ARC-FH-2-TW25

- Neck 1/4" O.D., Hast-C

ARC-FH-1-TW25

- Neck 1/8" O.D., Hast-C



Thermowell ARC Bomb

Sphere Inner Diameter: 1"

Neck Length: 1"

Neck Wall Thickness: 0.035"

Thermowell at 45° angle, 5mm from inner wall of the cell

ARC-FS-2-TW45

- Neck 1/4" O.D. 316SS

ARC-FS-1-TW45

- Neck 1/8" O.D., 316SS

ARC-FH-2-TW45

- Neck 1/4" O.D., Hast-C

ARC-FH-1-TW45

- Neck 1/8" O.D., Hast-C



9.5 mL 316SS ARC Bomb

Sphere Inner Diameter: 1"

Neck Outer Diameter: 1/4"

Neck Wall Thickness: 0.028"

Neck Length: 1"

Mass: 15.7 g

Item: ARC-FS-2A-BC

Item: ARC-FS-2A-NC

Item: ARC-FS-2A-SC

Bottom Clip

No Clip

Side Clip



Tantalum ARC Bomb

Sphere Inner Diameter: 1"

Sphere Wall Thickness: 0.030"

Neck Outer Diameter: 1/4"

Neck Wall Thickness: 0.035"

Neck Length: 1"

Item: ARC-FTANT-2-BC

Item: ARC-FTANT-2-NC

Item: ARC-FTANT-2-SC

Bottom Clip

No Clip

Side Clip

ARC Bombs



ICONEL ARC Bomb

Sphere Inner Diameter: 1"
Neck Outer Diameter: $\frac{1}{4}$ "
Neck Length: 1"
Item: ARC-TFI-1

1.8 APTAC Test Cells



APTAC

Sphere Inner Diameter: $2\frac{1}{2}$ "
Sphere Wall Thickness: 0.035"
Neck Outer Diameter: $\frac{1}{2}$ " Outer Diameter
Neck Wall Thickness: 0.0375"
Neck Length: 1"

Clip: None

Item: ARC-APTAC-001

Item: ARC-APTAC-001A*

Item: ARC-APTAC-002

Item: ARC-APTAC-003

Titanium

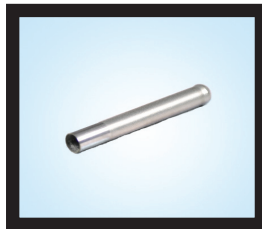
Titanium

Hastelloy

316SS

*Neck Wall Thickness: .020"

1.9 Tube Cells



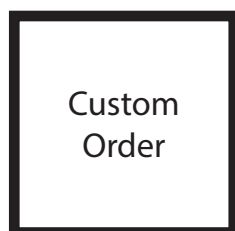
Item#	Material	Length	Wall Outer Diameter	Wall Thickness	Type
ARC-TFS-1-C	304SS	2.125"	$\frac{1}{4}$ "	0.010"	Crimped
ARC-TFS-1-R	304SS	2.125"	$\frac{1}{4}$ "	0.010"	Rounded Weld
ARC-TFH-3-C	Hastelloy	2.125"	$\frac{1}{4}$ "	0.035"	Crimped
ARC-TFH-3-R	Hastelloy	2.125"	$\frac{1}{4}$ "	0.035"	Rounded Weld
ARC-TFH-4-C	Hastelloy	2.25"	$\frac{1}{4}$ "	0.010"	Crimped
ARC-TFH-5-C	Hastelloy	2.25"	$\frac{1}{4}$ "	0.035"	Crimped
ARC-TFT-1-C	Titanium	2"	$\frac{1}{4}$ "	0.010"	Crimped
ARC-TFT-1-R	Titanium	2"	$\frac{1}{4}$ "	0.010"	Rounded Weld
ARC-TFT-2-C	Titanium	2"	$\frac{1}{4}$ "	0.035"	Crimped
ARC-TFT-2-R	Titanium	2"	$\frac{1}{4}$ "	0.035"	Rounded Weld
ARC-TFT-4-C	Titanium	4"	$\frac{1}{2}$ "	0.035"	Crimped
ARC-TFT-4-R	Titanium	4"	$\frac{1}{2}$ "	0.035"	Rounded Weld

2.1 Heater Cartridge



Heater Cartridge (250 W)
Item: ARC-FAI-C-301

2.2 Insulation Block



Insulation Block (Top)
Item: ARC-FAI-C-302

2.3 Pressure Pass Through Fitting



Pressure Pass Through Fitting
Item: ARC-FAI-P-101

2.4 Pressure Limiting Valve



Pressure Limiting Valve
Item: ARC-FAI-P-100

2.5 Pressure Tubes



Item#	Metal	Neck Diameter	Wall Thickness	Tube Outer Diameter
ARC-FAI-H-001	Hastelloy	$\frac{1}{4}$ "	0.035"	$\frac{1}{8}$ "
ARC-FAI-H-001A*	Hastelloy	$\frac{1}{4}$ "	0.020"	$\frac{1}{8}$ "
ARC-FAI-H-002A*	Hastelloy	$\frac{1}{8}$ "	0.020"	$\frac{1}{8}$ "
ARC-FAI-P-001	Stainless Steel	$\frac{1}{4}$ "	0.028"	$\frac{1}{8}$ "
ARC-FAI-P-001A	Stainless Steel	$\frac{1}{4}$ "	0.020"	$\frac{1}{8}$ "
ARC-FAI-P-001B	Stainless Steel	$\frac{1}{4}$ "	0.016"	$\frac{1}{8}$ "
ARC-FAI-P-002	Stainless Steel	$\frac{1}{8}$ "	0.028"	$\frac{1}{8}$ "
ARC-FAI-P-002A	Stainless Steel	$\frac{1}{8}$ "	0.020"	$\frac{1}{8}$ "
ARC-FAI-P-002B	Stainless Steel	$\frac{1}{8}$ "	0.016"	$\frac{1}{8}$ "
ARC-FAI-P-003	Stainless Steel	$\frac{1}{2}$ "	0.028"	$\frac{1}{8}$ "
ARC-FAI-P-003A	Stainless Steel	$\frac{1}{2}$ "	0.020"	$\frac{1}{8}$ "
ARC-FAI-P-003B	Stainless Steel	$\frac{1}{2}$ "	0.016"	$\frac{1}{8}$ "
ARC-FAI-P-003C	Stainless Steel	$\frac{3}{8}$ "	0.016"	$\frac{1}{8}$ "

*Call for Availability

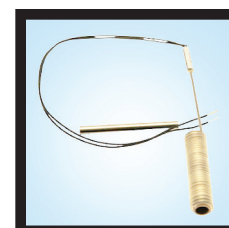
2.6 Rebuild Kits



1



2



3



4

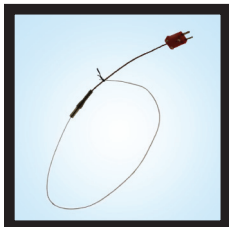


5

Pic	Item#	Product Name
1	ARC-FAI-C-009	Calorimeter Rebuild Kit
1	ARC-FAI-C-101	Calorimeter Rebuild Kit (top) materials only
1	ARC-FAI-C-102	Calorimeter Rebuild Kit (bottom) materials only
1	ARC-FAI-C-002	Bottom Rebuild
2	ARC-FAI-C-306	Radiant Heater (New)
3	ARC-FAI-C-307	Tube Heater (includes tube heater insert)
4	ARC-FAI-C-308	Tube Heater - Insert only
5	ARC-FAI-HTFR-001	Heat Transfer Compound

Note: FAI only has the capabilities to rebuild certain calorimeter models. Please call (630) 323-8750 for more information.

2.7 Thermocouple Products



Thermocouple, Type N, Metal Sheathed
Bomb or Jacket
Item: ARC-FAI-T-001



Thermocouple Cement
Item: ARC-FAI-T-005

2.8 Transducer Connecting Capillaries



Transducer Connecting Capillary ($\frac{1}{16}$ ")
Item: ARC-FAI-P-004

2.9 Pressure Transducers



Item#	Product Name
ARC-FAI-PT-2500	2,500 psig Pressure Transducer
ARC-FAI-PT-3000	3,000 psig Pressure Transducer
ARC-FAI-PT-3000HA	3,000 psig Super TJE Transducer
ARC-FAI-PT-5000	5,000 psig Pressure Transducer
ARC-FAI-PT-5000HA	5,000 psig Super TJE Transducer
ARC-FAI-PI-5000HA	5,000 psig Super THE Transducer



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超高真空・極低温走査型プローブ顕微鏡
高速分光測定装置、クライオスタット



Nd:YAGレーザー、Ti:Sレーザー
OPOレーザー

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