

WINTERS INSTRUMENTS

DRAWN BY: E.H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

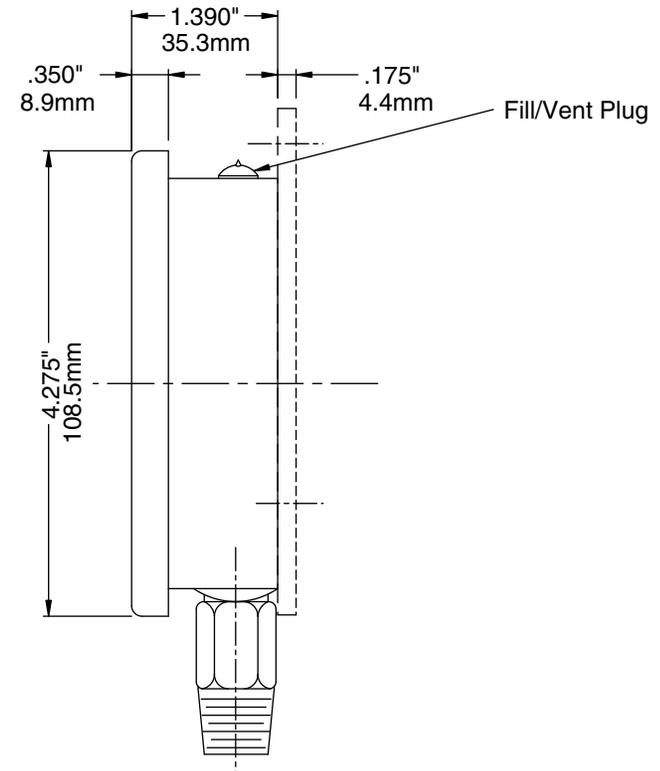
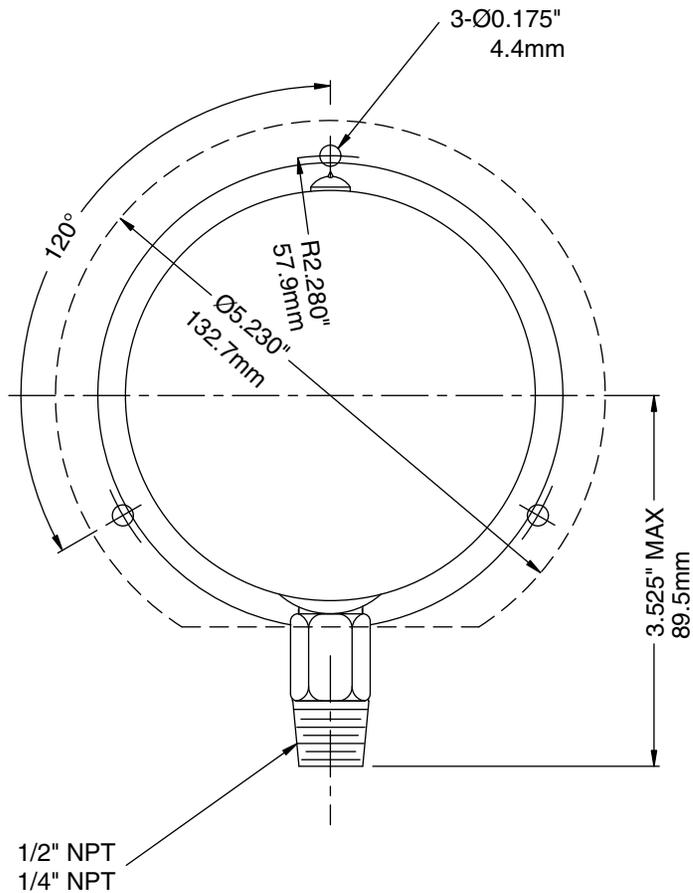
ALL DIMENSIONS IN INCHES / MM

TOLERANCES (unless otherwise stated)	
Fractional:	1/64" .4mm
Decimal:	0.06" 1.5mm

REVISION No. & DATE: APR. 13, 2002

TITLE:
4" QUALITY AMMONIA GAUGE, BACK CONNECTION WITH FRONT FLANGE OPTION

DRAWING NO: PG-AMMO-Q-4-BK



WINTERS INSTRUMENTS

DRAWN BY: E.H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional: 1/64"

Decimal: 0.06"

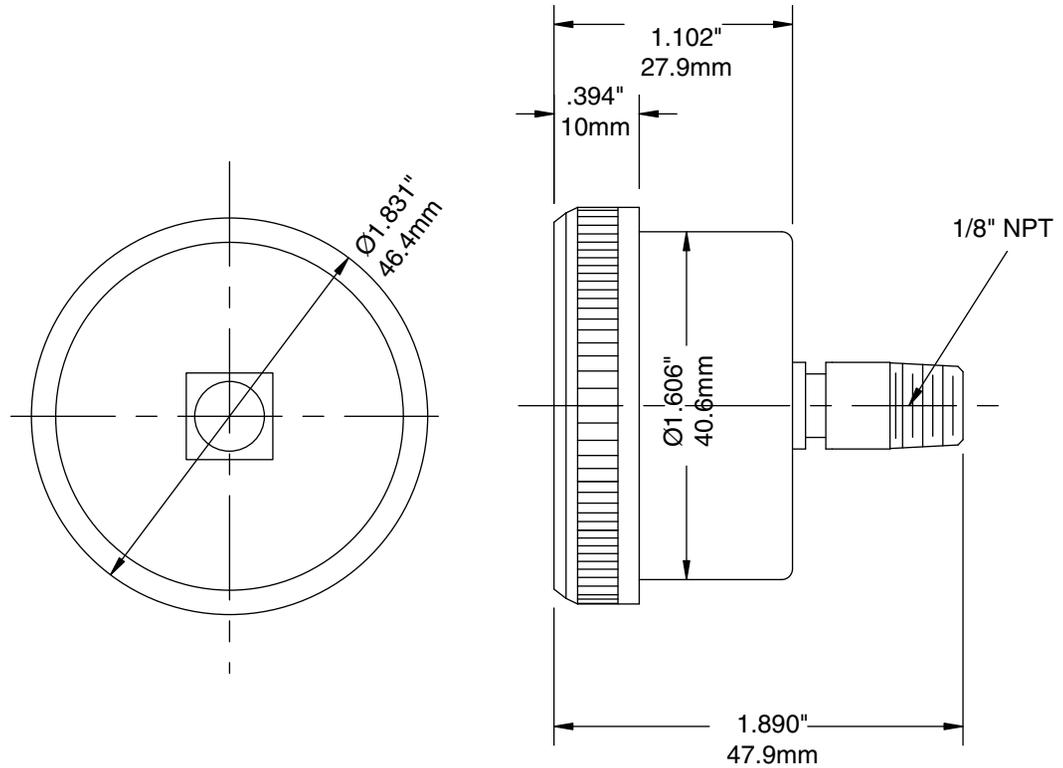
REVISION No. & DATE: APR. 13, 2002

TITLE:

4" QUALITY AMMONIA GAUGE, BOTTOM
CONNECTION WITH BACK FLANGE OPTION

DRAWING NO: PG-AMMO-Q-4-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Ph Bz.
 Movement: Flutterless, brass.
 Socket: Brass.
 Welding: Silver Alloy.
 Accuracy: $\pm 2-1-2\%$ of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 14, 2002

TITLE:

1.5" 90 SERIES QUALITY GAUGE,
BACK CONNECTION

DRAWING NO: QG-90-1.5-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).

Process Temperature: -40°C / 65°C (-40°F / 150°F).

Case: Steel painted black.

Lens: Polycarbonate.

Dial: Aluminum.

Tube: Ph Bz.

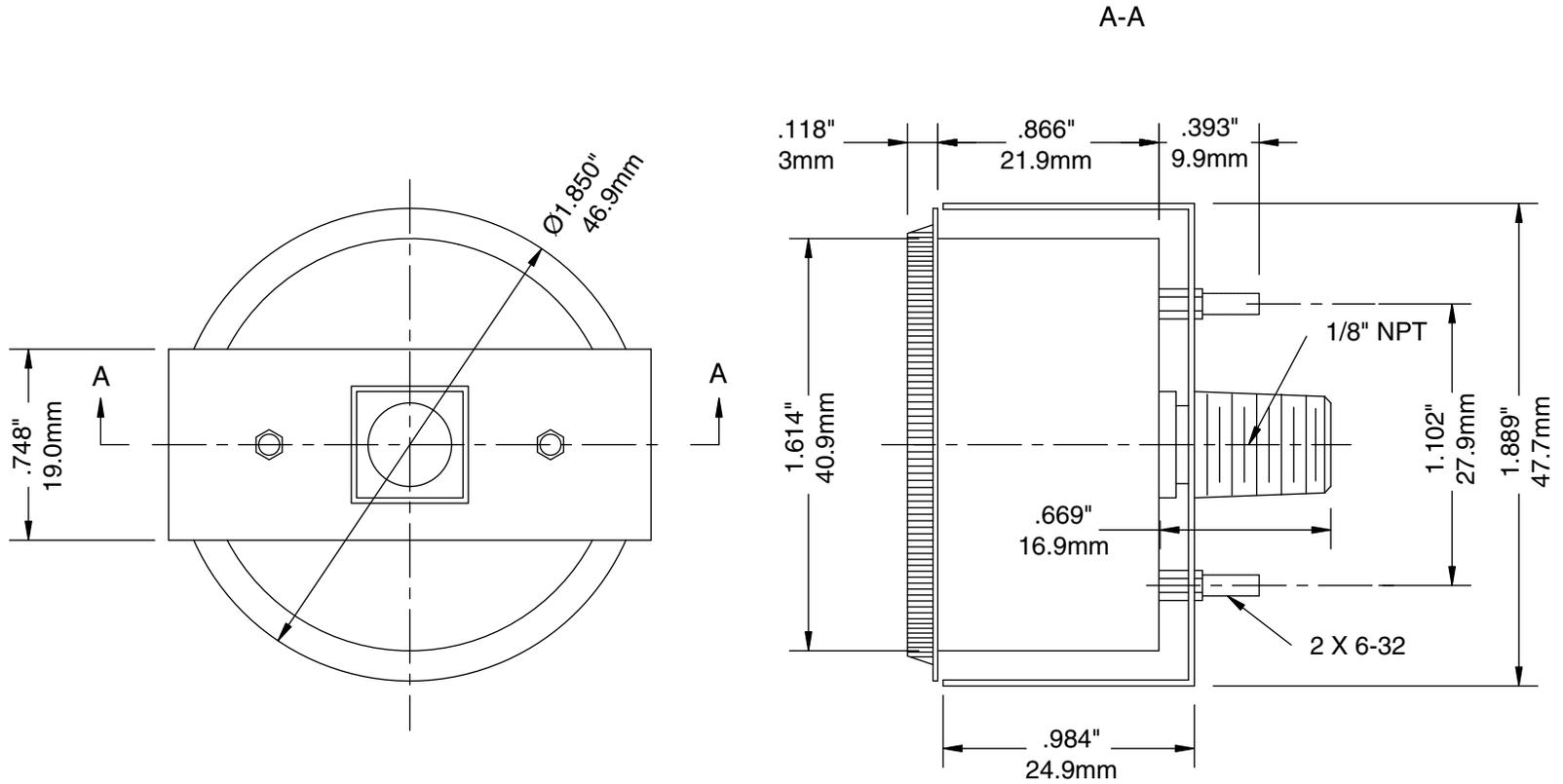
Movement: Flutterless, brass.

Socket: Brass.

Welding: Silver Alloy.

Accuracy: ± 2-1-2% of full scale.

Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES/MM

TOLERANCES
(unless otherwise stated)

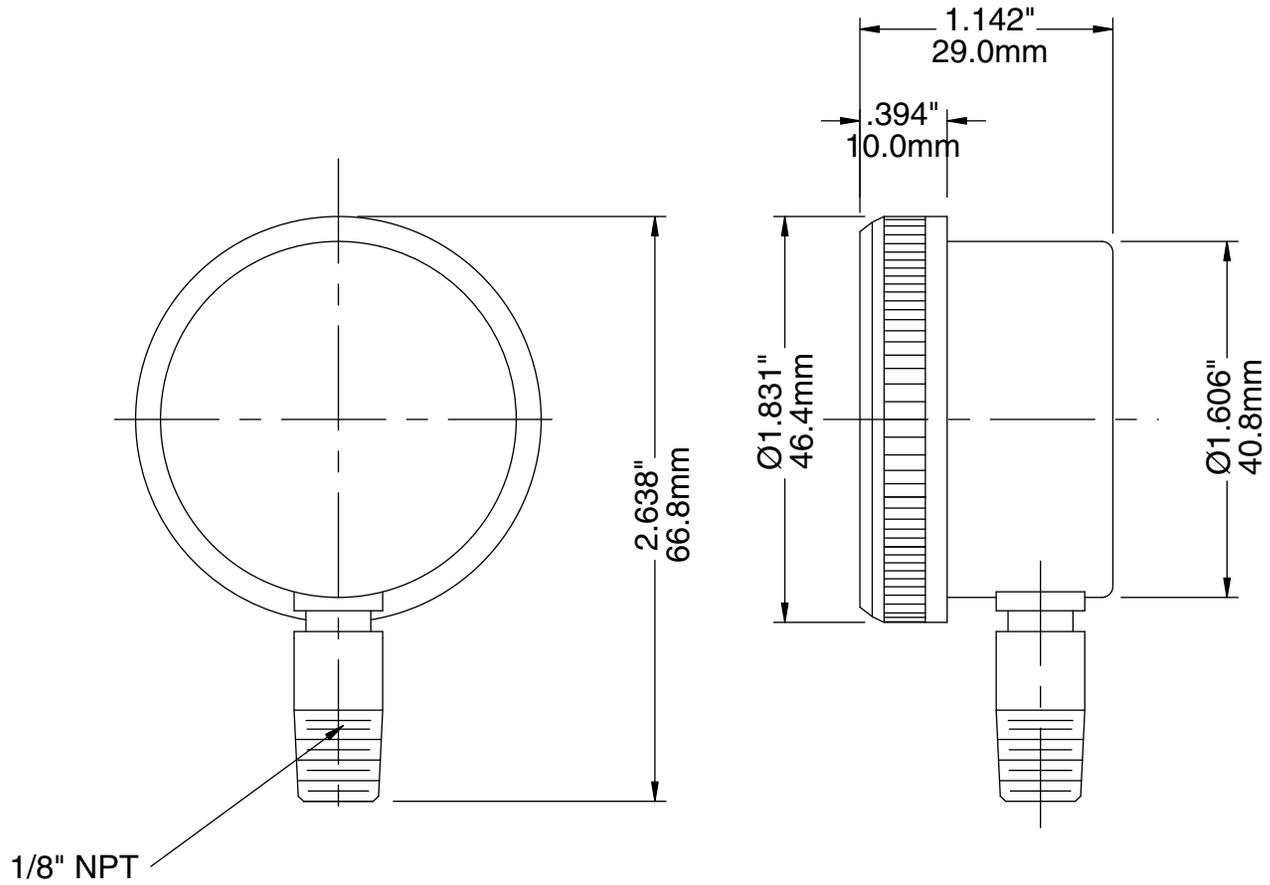
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 21, 2002

TITLE:

1.5" 90 SERIES QUALITY GAUGE, BACK
CONNECTION WITH "U" CLAMP

DRAWING NO: QG-90-1.5-BK-UC

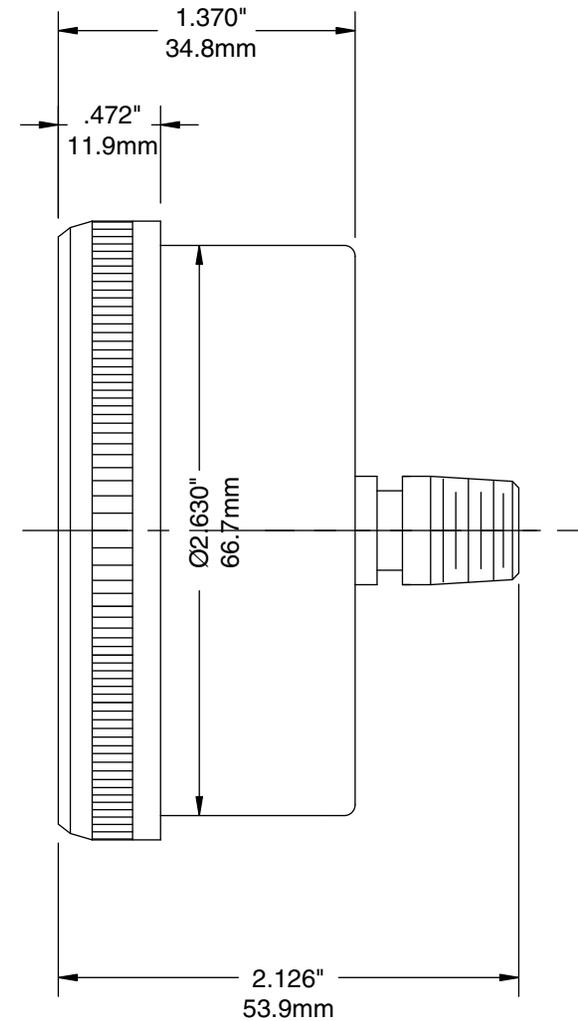
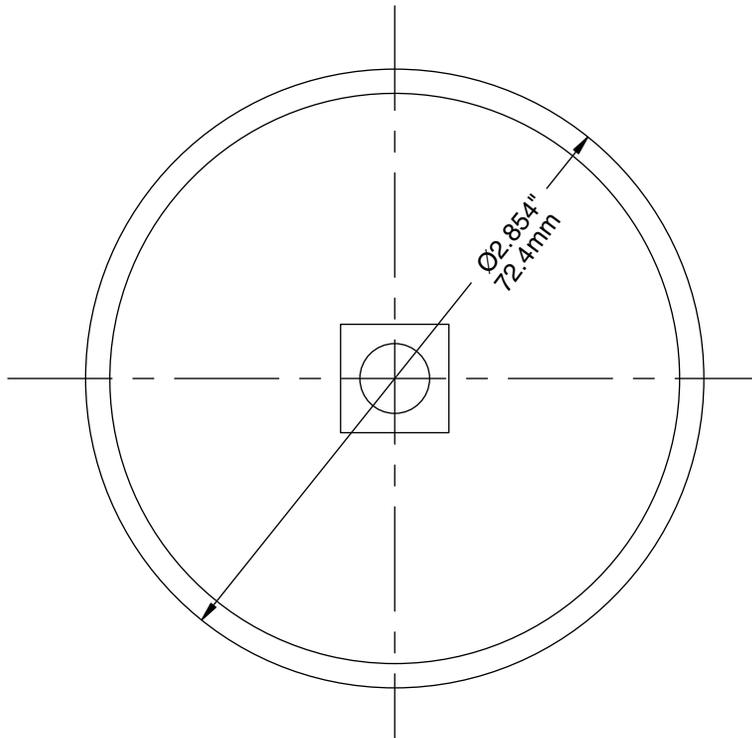


WINTERS INSTRUMENTS

DRAWN BY: E. H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)
 Fractional: 1/64"
 Decimal: 0.06"
 REVISION No. & DATE: APR. 12, 2002

TITLE:
 1.5" 90 SERIES QUALITY GAUGE,
 BOTTOM CONNECTION
 DRAWING NO: QG-90-1.5-BTM



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

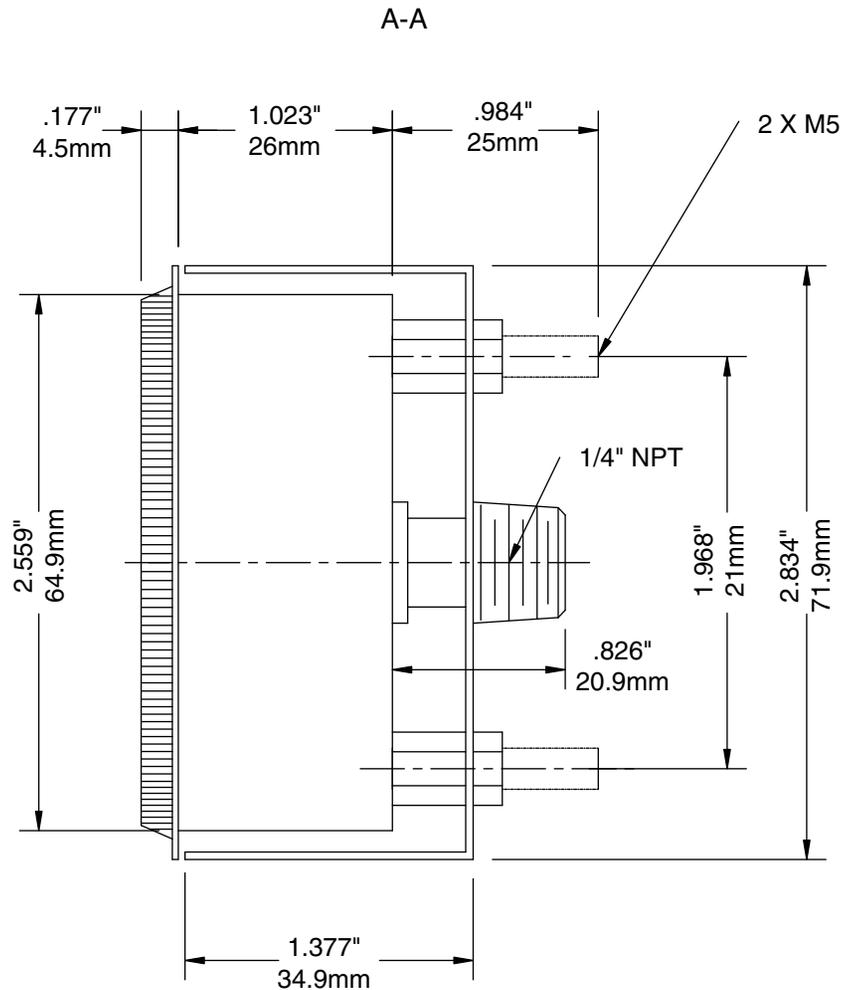
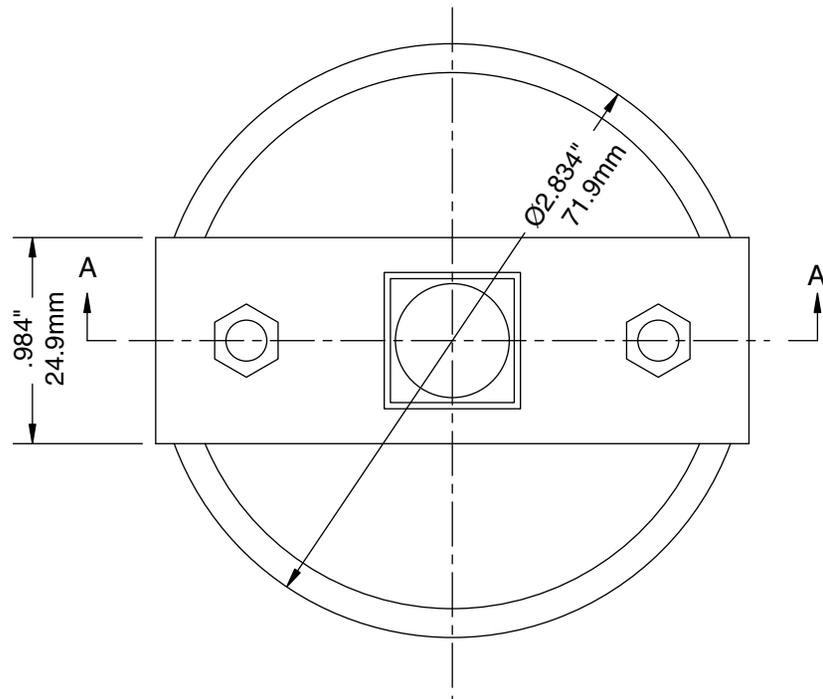
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 14, 2002

TITLE:

2.5" 90 SERIES QUALITY GAUGE,
BACK CONNECTION

DRAWING NO: QG-90-2.5-BK

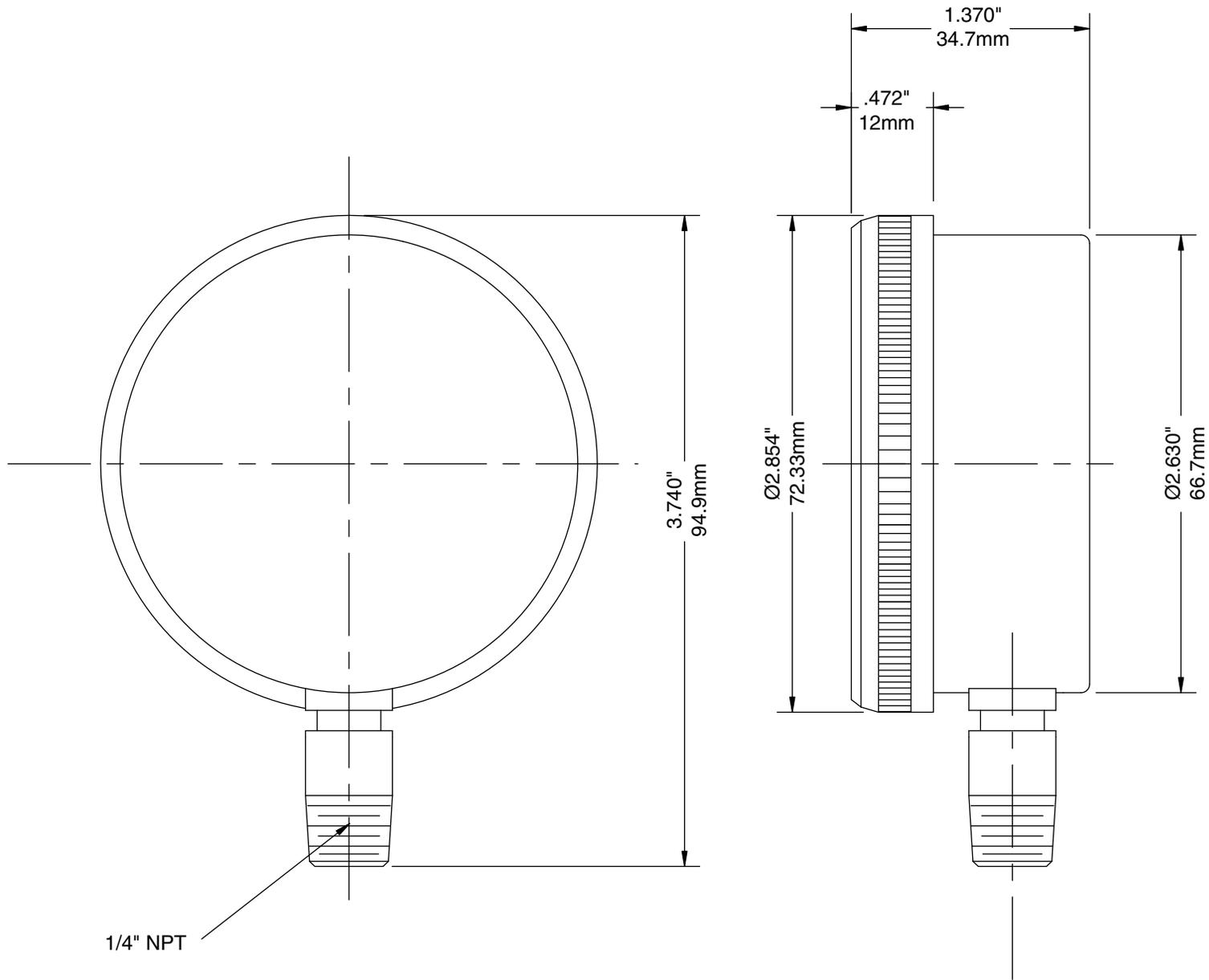


WINTERS INSTRUMENTS

DRAWN BY: E. H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)
 Fractional: 1/64"
 Decimal: 0.06"
 REVISION No. & DATE: APR. 21, 2002

TITLE:
2.5" 90 SERIES QUALITY GAUGE, BACK CONNECTION WITH "U" CLAMP
 DRAWING NO: QG-90-2.5-BK-UC



WINTERS INSTRUMENTS

DRAWN BY: E. H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

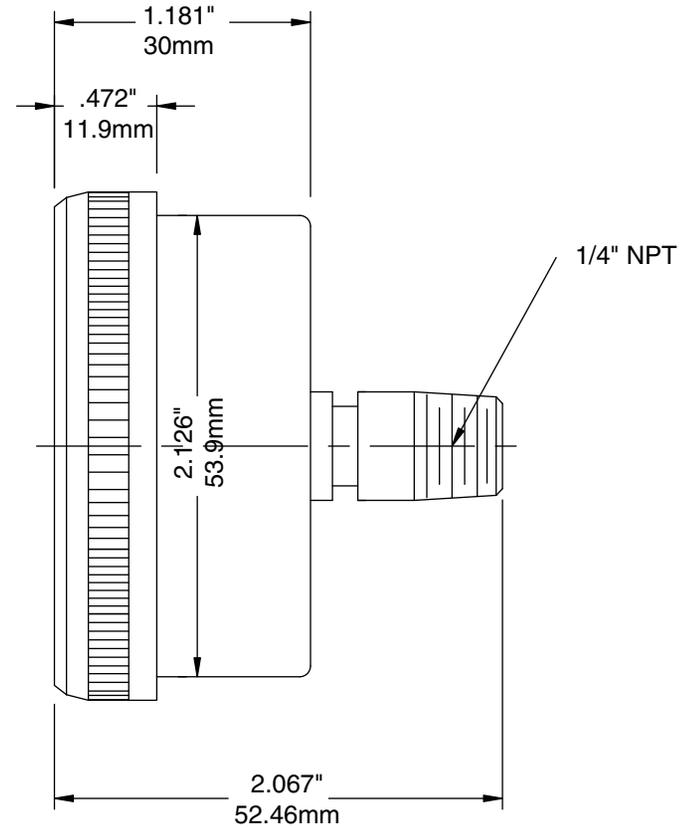
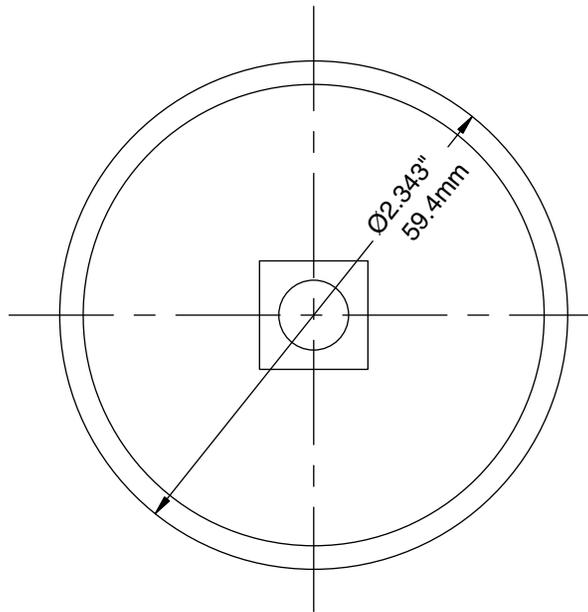
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 13, 2002

TITLE:
**2.5" 90 SERIES QUALITY GAUGE,
 BOTTOM CONNECTION**

DRAWING NO: QG-90-2.5-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Ph Bz.
 Movement: Flutterless, brass.
 Socket: Brass.
 Welding: Silver Alloy.
 Accuracy: ± 2-1-2% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 14, 2002

TITLE:

2" 90 SERIES QUALITY GAUGE,
BACK CONNECTION

DRAWING NO: QG-90-2-BK

Ambient Temperature: -40°C / 65°C (- 0°F / 150°F).

Process Temperature: -40°C / 65°C (-40°F / 150°F).

Case: Steel painted black.

Lens: Polycarbonate.

Dial: Aluminum.

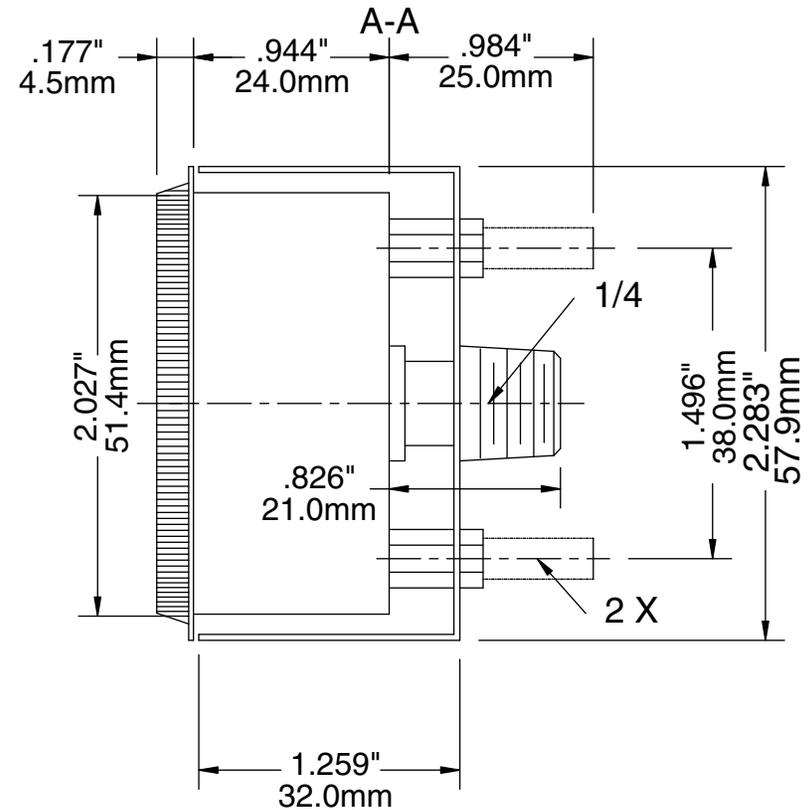
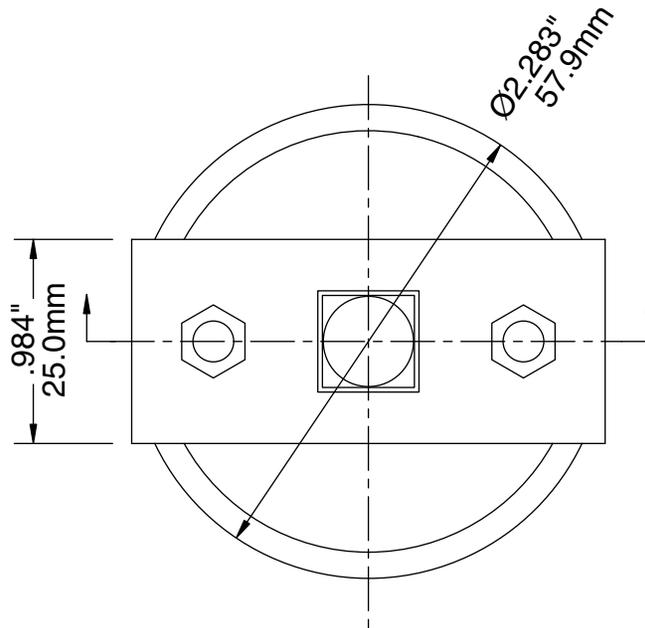
Tube: Ph Bz.

Movement: Flutterless, brass.

Socket: Brass.

Welding: Silver Alloy.

Accuracy: $\pm 2-1-2\%$ of full scale.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

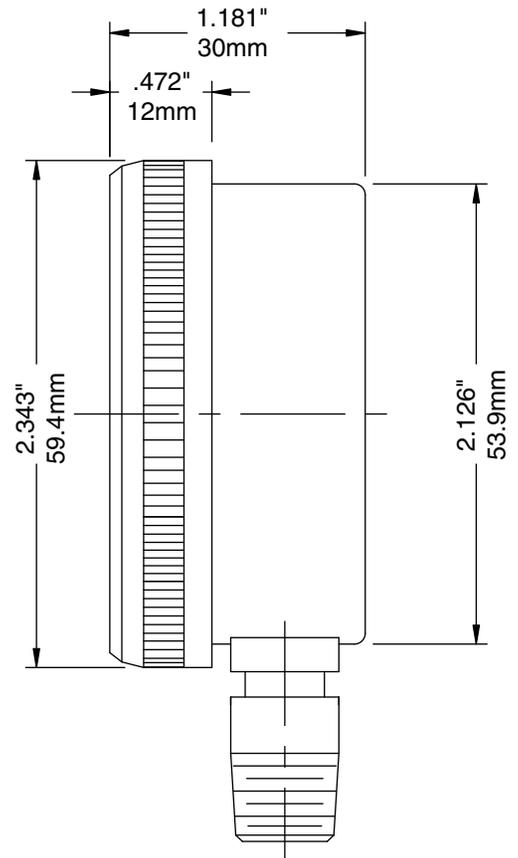
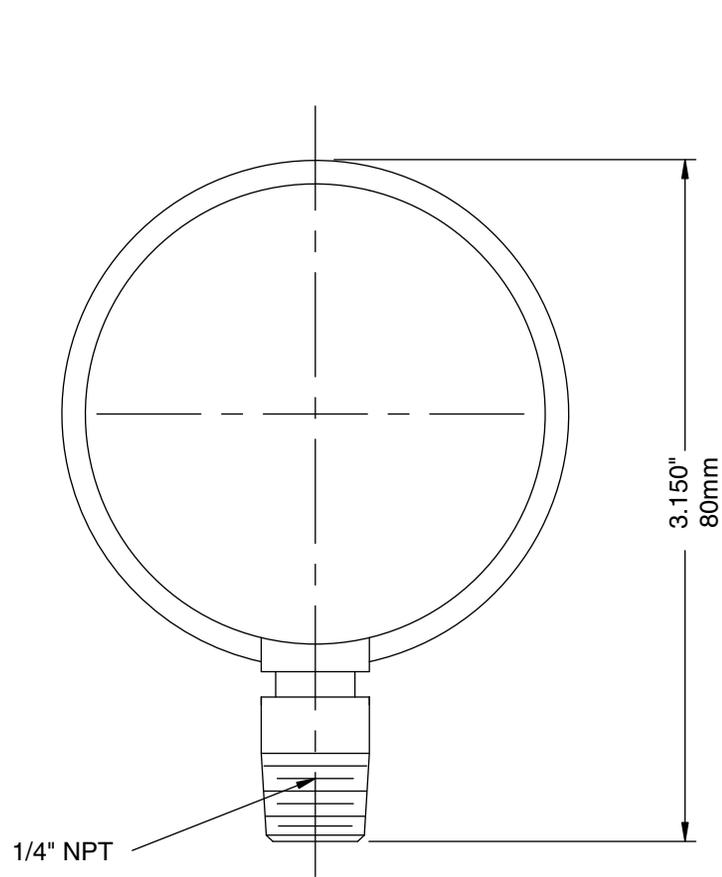
Fractional: 1/64"
Decimal: 0.06"

REVISION No. & DATE: APR. 21, 2002

TITLE:

2" 90 SERIES QUALITY GAUGE, BACK
CONNECTION WITH "U" CLAMP

DRAWING NO: QG-90-2-BK-UC



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

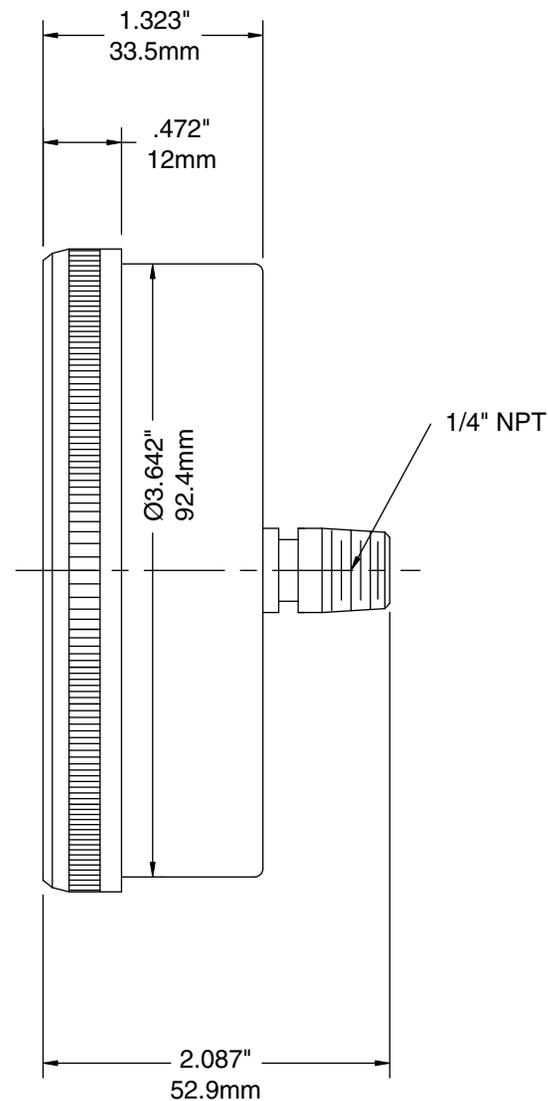
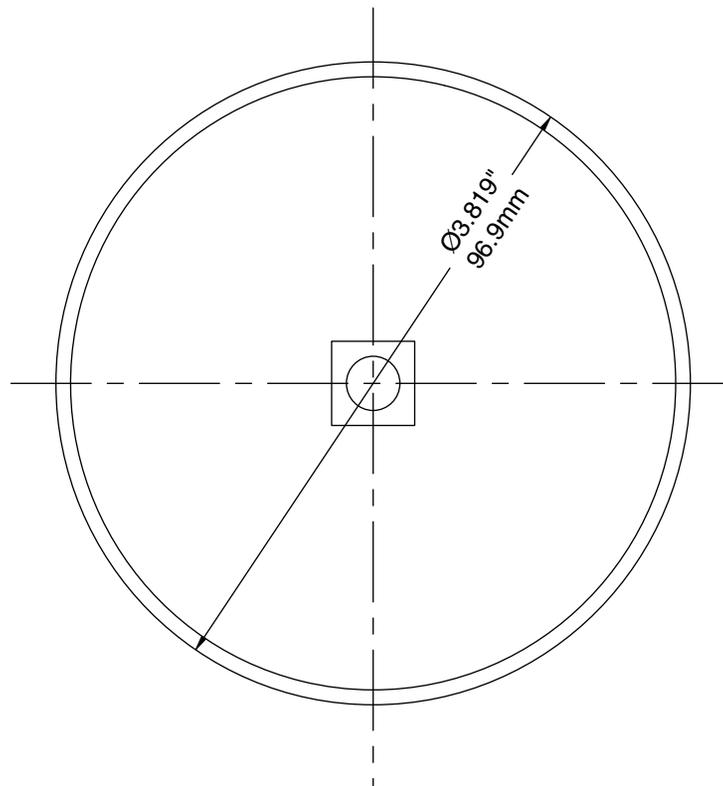
REVISION No. & DATE: APR. 12, 2002

TITLE:

2" 90 SERIES QUALITY GAUGE,
BOTTOM CONNECTION

DRAWING NO: QG-90-2-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Ph Bz.
 Movement: Flutterless, brass.
 Socket: Brass.
 Welding: Silver Alloy.
 Accuracy: ± 2-1-2% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES/MM

TOLERANCES
(unless otherwise stated)

Fractional: 1/64"

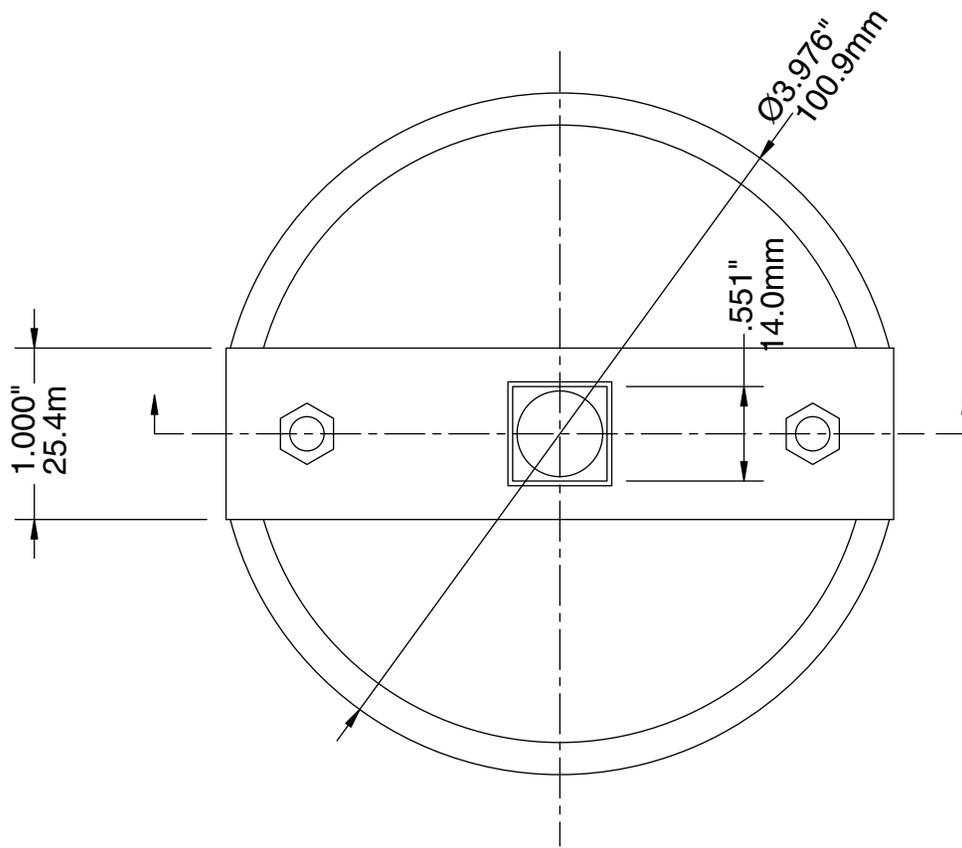
Decimal: 0.06"

REVISION No. & DATE: APR. 14, 2002

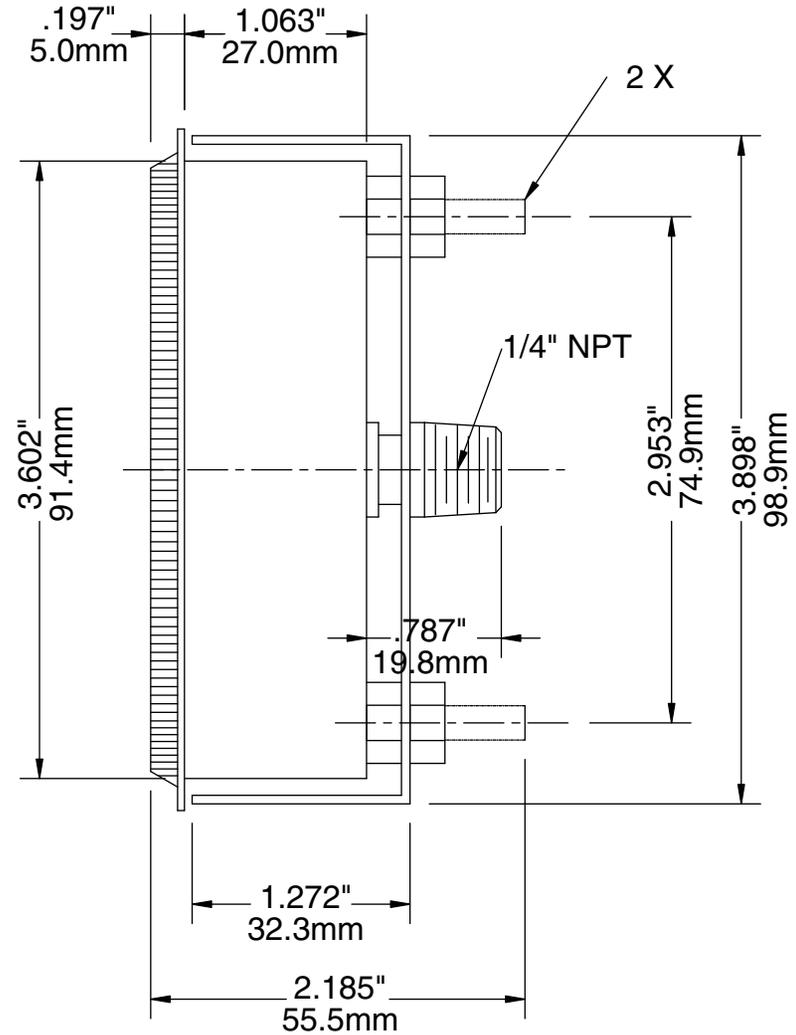
TITLE:

3.5" 90 SERIES QUALITY GAUGE,
BACK CONNECTION

DRAWING NO: QG-90-3.5-BK



A-



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional: 1/64"

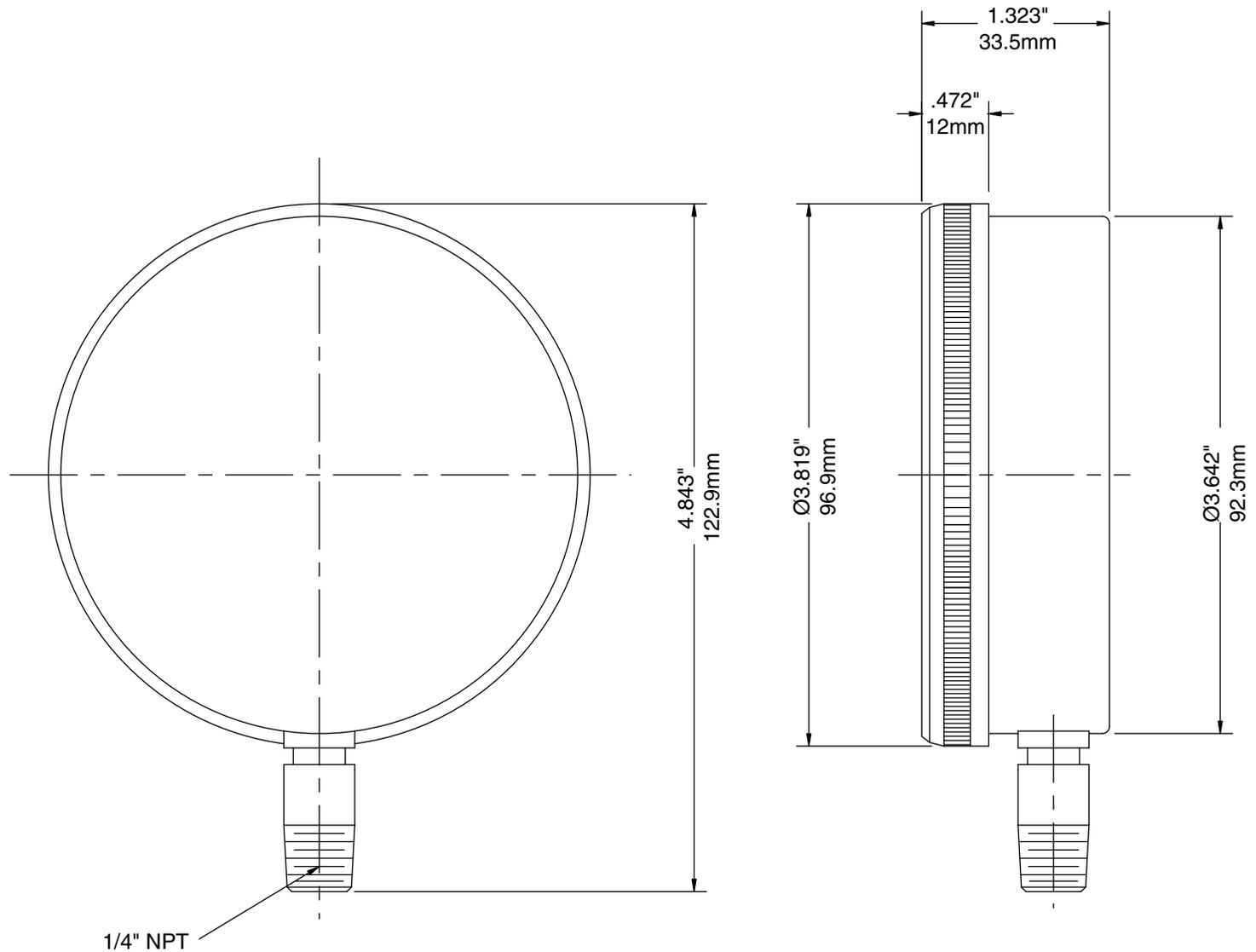
Decimal: 0.06"

REVISION No. & DATE: APR. 21, 2002

TITLE:

3.5" 90 SERIES QUALITY GAUGE, BACK
CONNECTION, "U" CLAMP

DRAWING NO: QG-90-3.5-BK-UC



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES/MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 14, 2002

TITLE:

3.5" 90 SERIES QUALITY GAUGE,
BOTTOM CONNECTION

DRAWING NO: QG-90-3.5-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).

Process Temperature: -40°C / 65°C (-40°F / 150°F).

Case: Steel, painted black.

Lens: Polycarbonate.

Dial: Aluminum.

Tube: Ph Bz.

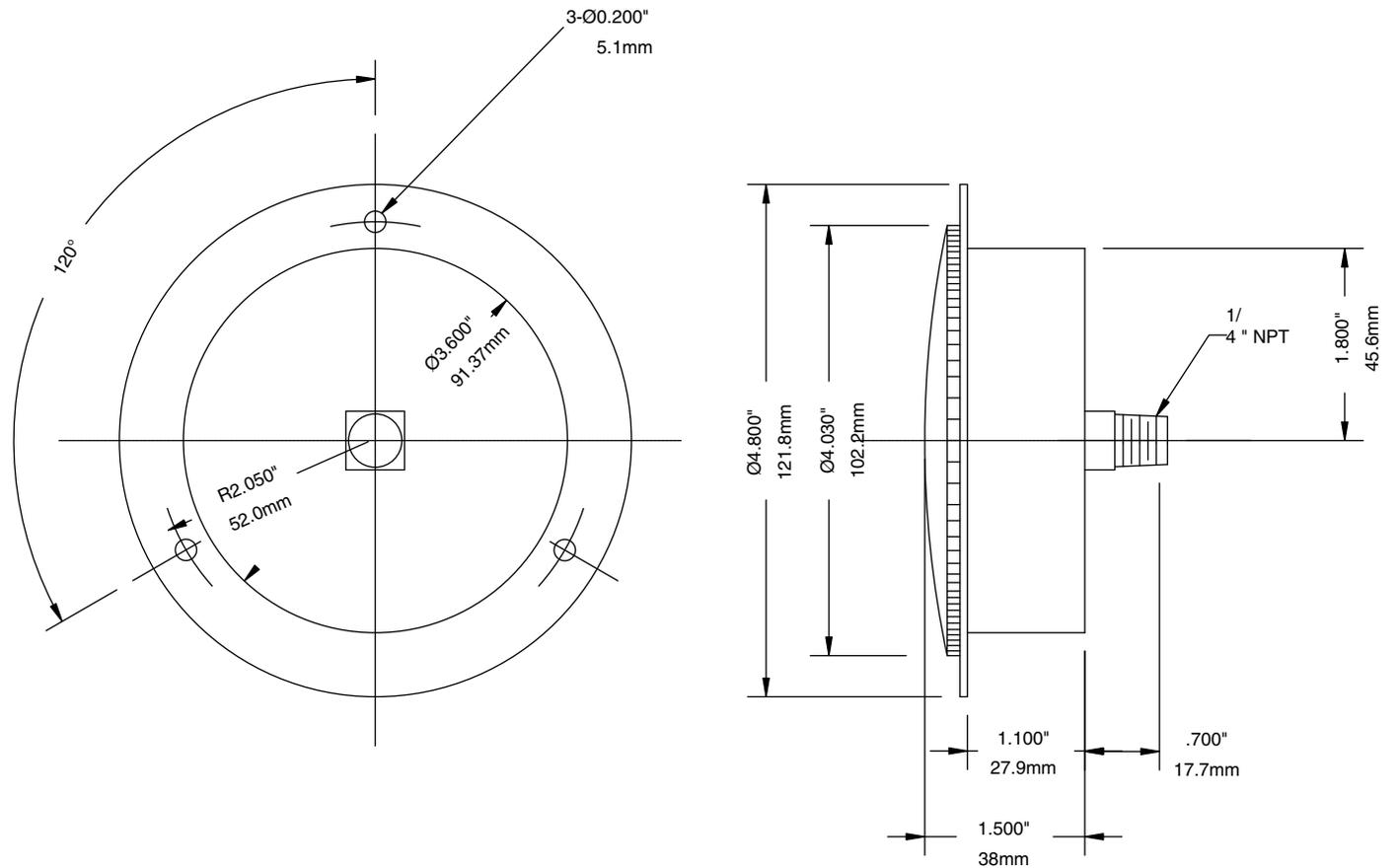
Movement: Brass.

Socket: Brass.

Welding: Solder.

Accuracy: ± 1% of full scale.

Enclosure: IP52.



DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

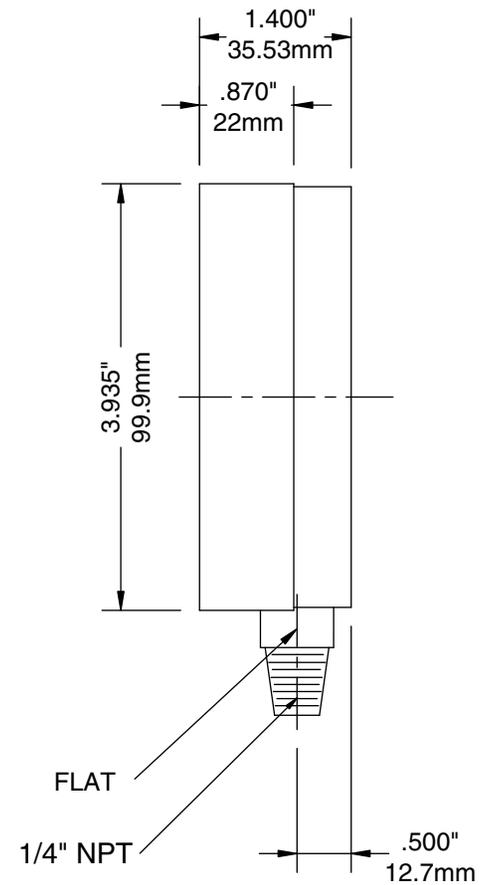
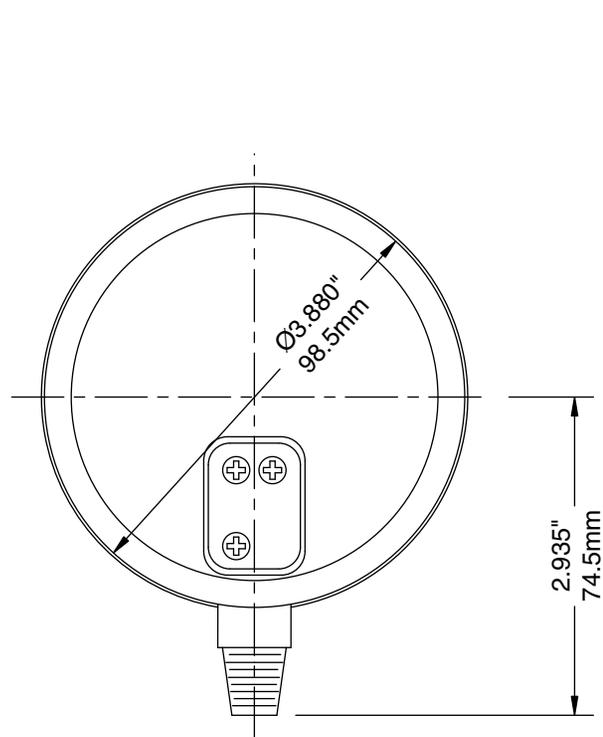
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 12 2002

TITLE:

3.5" 100 SERIES GAUGE, BACK CONNECTION

DRAWING NO:QG-100-3.5-BK



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

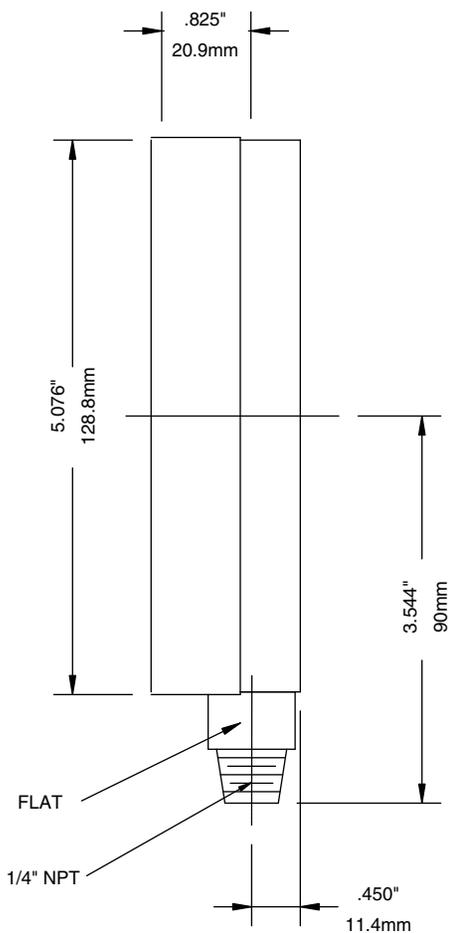
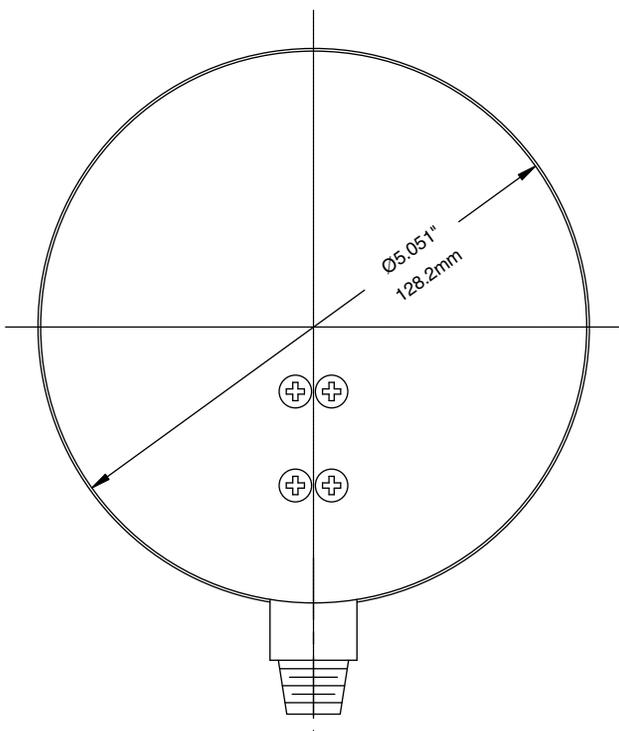
REVISION No. & DATE: APR. 12 2002

TITLE:

3.5" 100 SERIES GAUGE, BOTTOM CONNECTION

DRAWING NO:QG-100-3.5-BTM

Ambient Temperature: -40 / 65°C (-40°F / 150°F).
 Process Temperature: -40 / 65°C (-40°F / 150°F).
 Case: Aluminum.
 Bezel: Polished brass.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Phosphor bronze.
 Movement: Brass.
 Socket: Brass.
 Welding: Solder.
 Accuracy: ±1% of full scale.
 Enclosure: IP52.



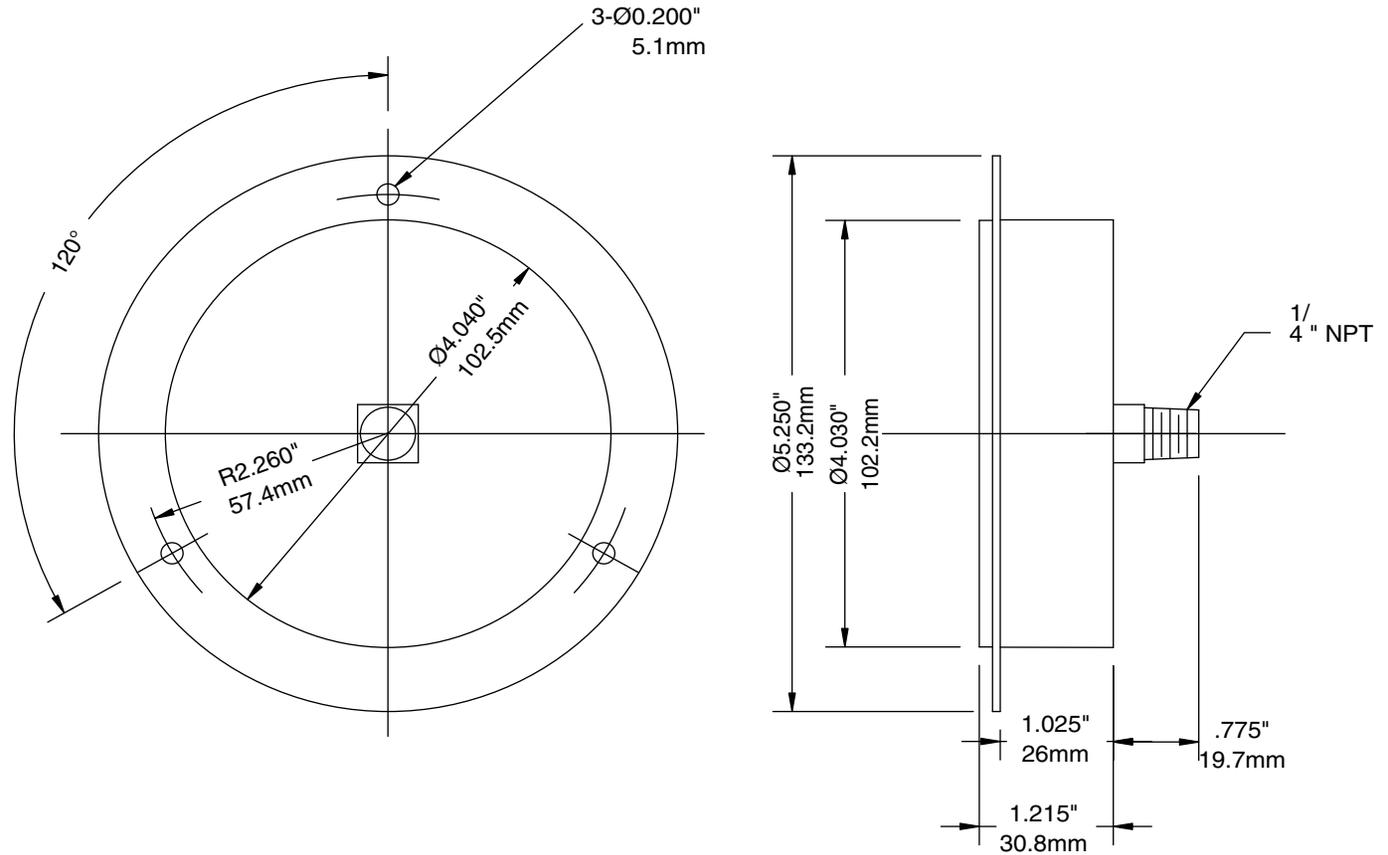
WINTERS INSTRUMENTS

DRAWN BY: E.H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)
 Fractional: 1/64"
 Decimal: 0.06"
 REVISION No. & DATE: APR. 13, 2002

TITLE:
 4.5" 100 SERIES GAUGE, BOTTOM CONNECTION
 DRAWING NO:QG-100-4.5-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Phosphor bronze.
 Movement: Brass.
 Socket: Brass.
 Welding: Solder.
 Accuracy: +/- 1% of full scale.
 Enclosure: IP52.

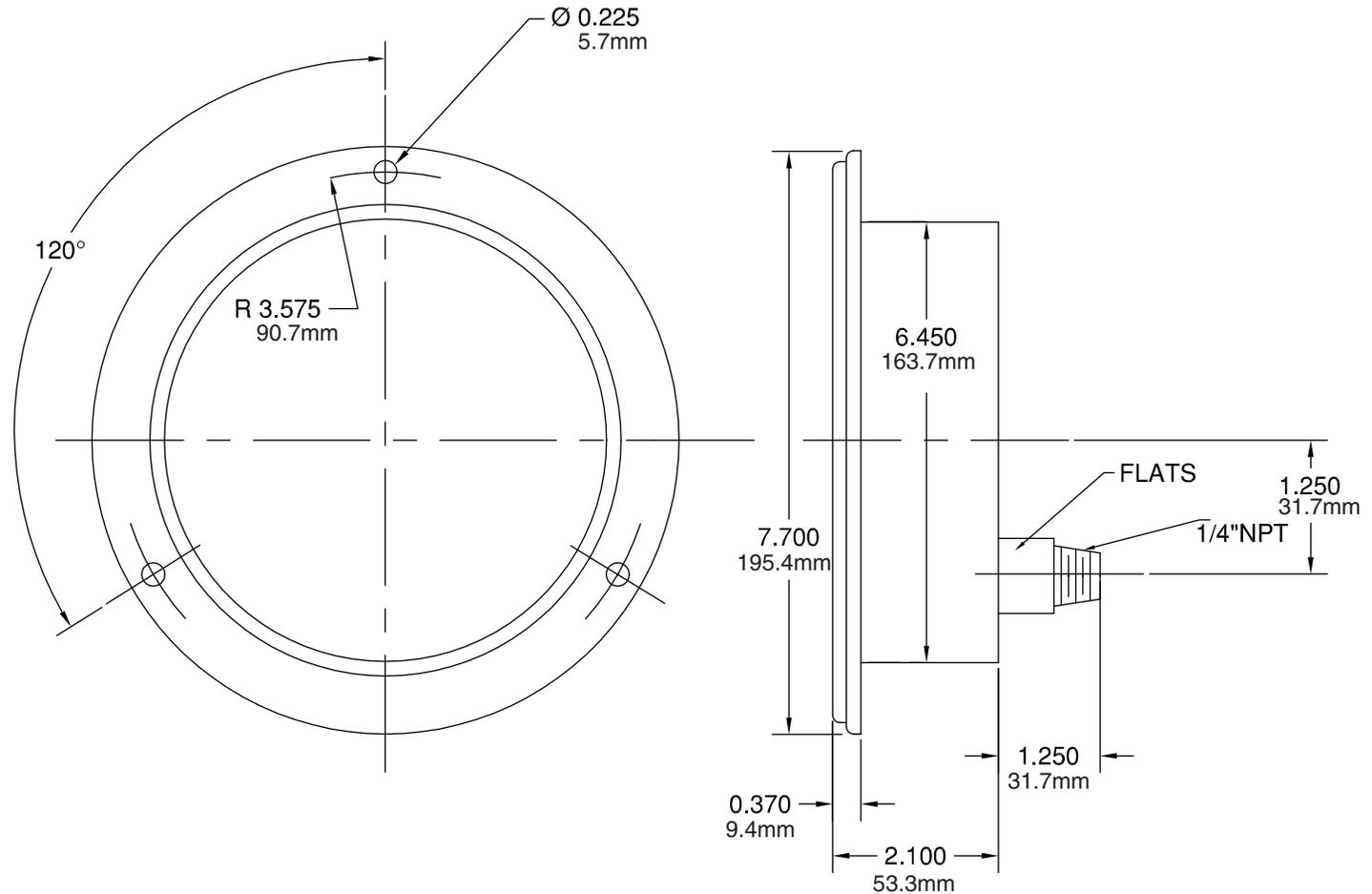


DRAWN BY: E. H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)
 Fractional: 1/64"
 Decimal: 0.06"
 REVISION No. & DATE: APR. 12 2002

TITLE:
 4" 100 SERIES GAUGE, BACK CONNECTION
 DRAWING NO: QG-100-4-BK

Ambient Temperature: -40 / 65°C
 Process Temperature: -40 / 65°C
 Case: Aluminum
 Bezel: Stainless steel
 Lens: Glass
 Dial: Aluminum
 Tube: Phosphor bronze
 Movement: Brass or stainless steel
 Socket: Brass or stainless steel
 Welding: TIG or silver alloy
 Accuracy: +/- 1%
 Enclosure: IP 52



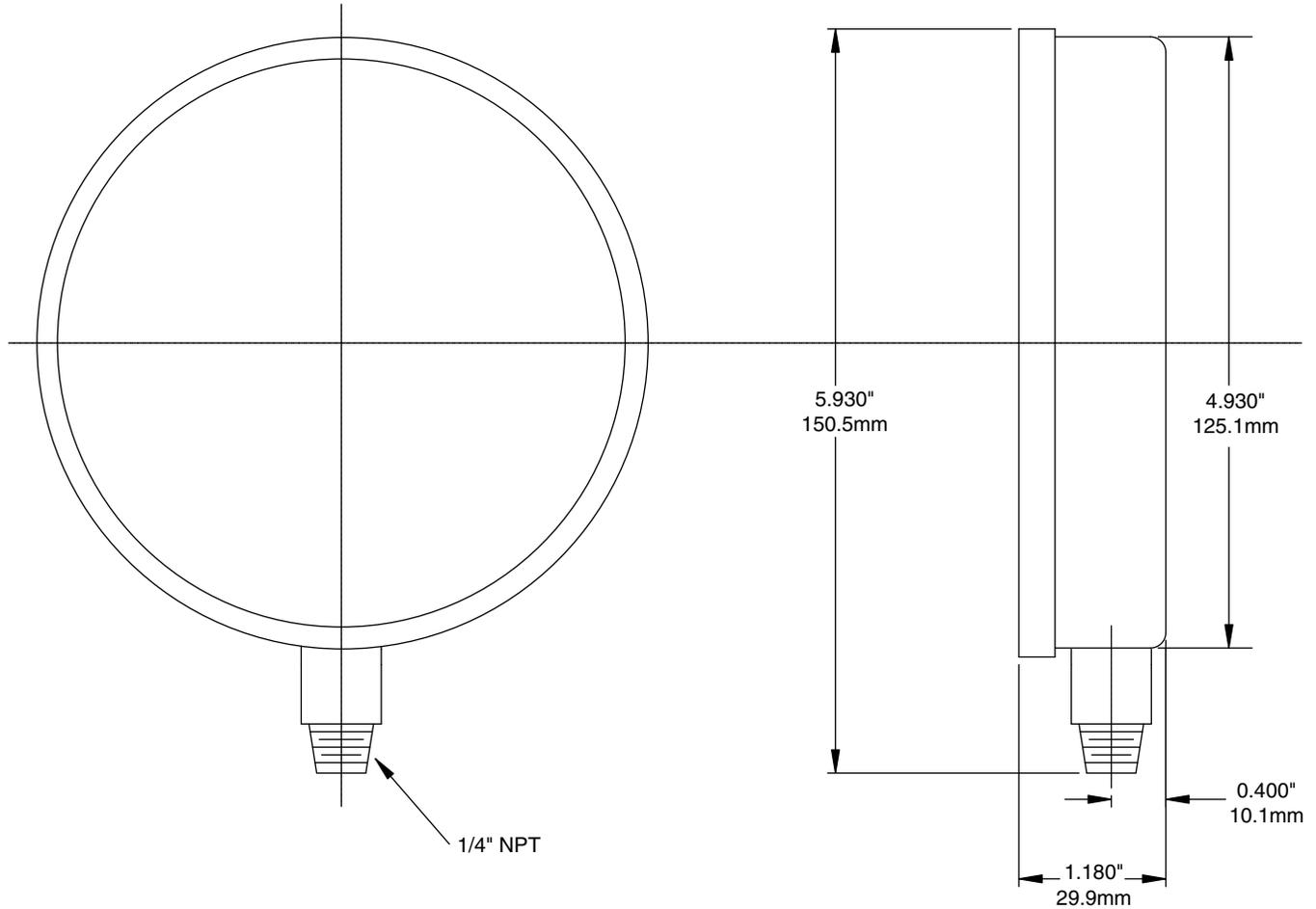
WINTERS INSTRUMENTS

DRAWN BY:
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)
 Fractional: 1/64"
 Decimal: 0.06"
 REVISION No. & DATE: Feb. 2/02

TITLE:
 6" FRONT FLANGE BACK CONNECTION
 100 SERIES GAUGE
 DRAWING NO: QG-100-6-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: 304 S/S.
 Bezel: 304 S/S.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Ph Bz.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver Solder.
 Accuracy: ± 1% of full scale.
 Enclosure: IP52.
 Recalibrator screw is standard.



WINTERS INSTRUMENTS

DRAWN BY: B. B.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

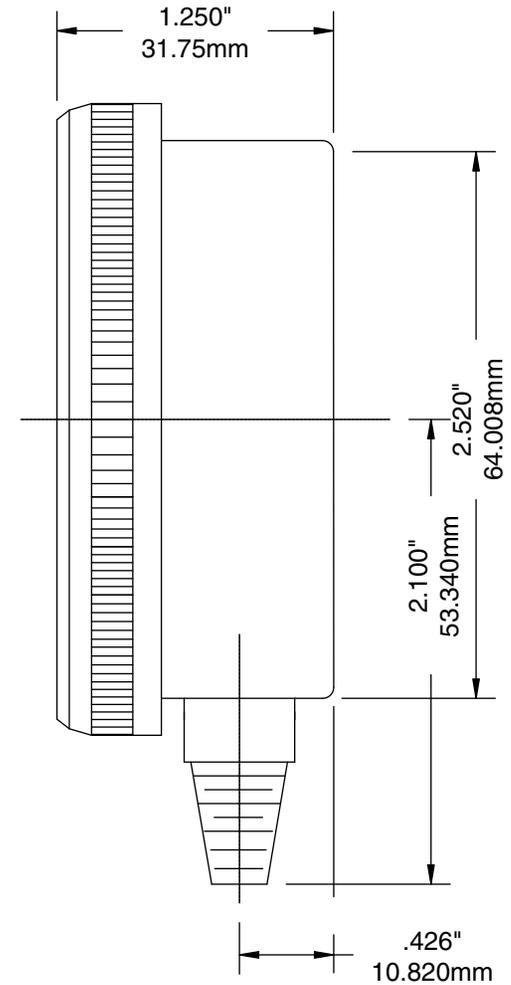
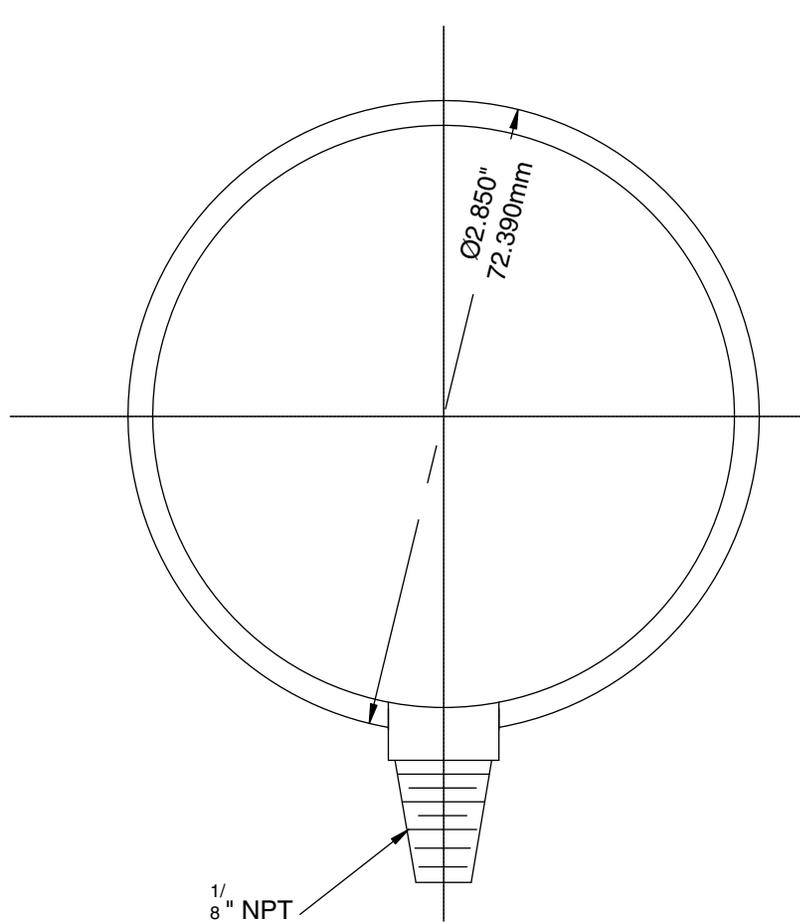
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: Feb. 12 2002

TITLE:

4.5" QUALITY CONTRACTOR GAUGE
BOTTOM CONNECTION

DRAWING NO: QG-CONT-4.5-BTM



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64" .4mm
Decimal:	0.06" 1.5mm

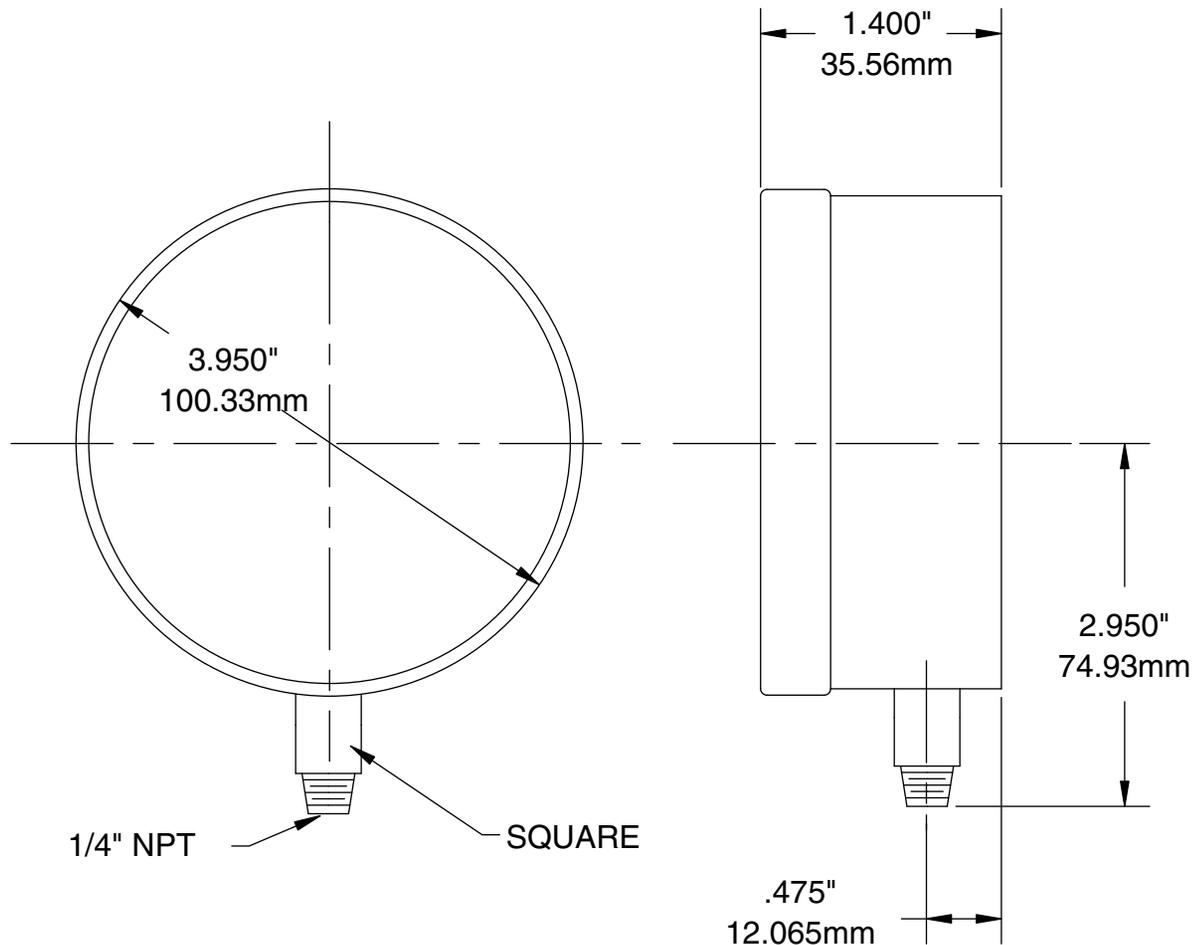
REVISION No. & DATE: APR. 13, 2002

TITLE:

2.5" FREON GAUGE, BOTTOM CONNECTION

DRAWING NO: QG-FREO-2.5-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Bezel: Steel, painted black.
 Lens: Glass.
 Dial: Aluminum.
 Tube: Phosphor bronze.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver alloy.
 Accuracy: ±1% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY: B.B.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"	.4mm
Decimal:	0.06"	1.5mm

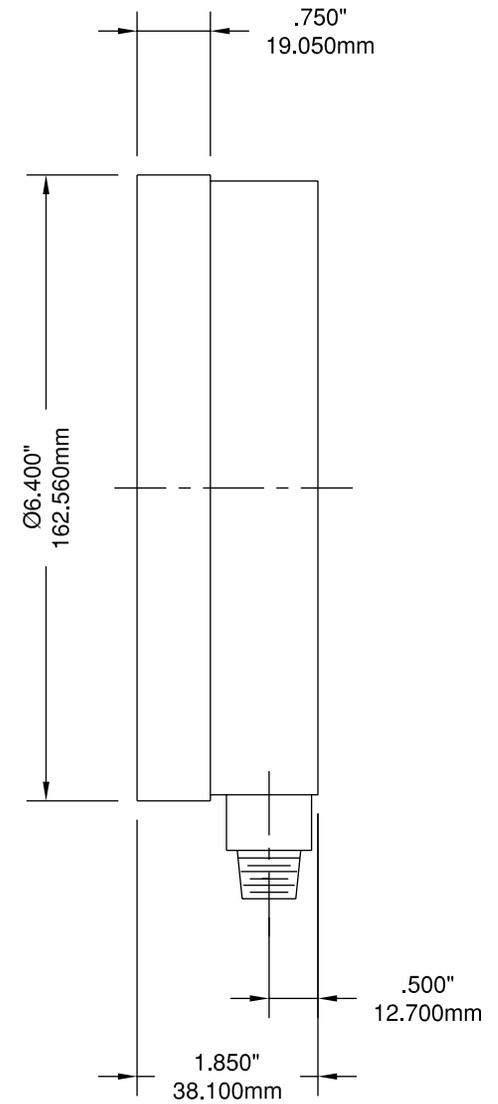
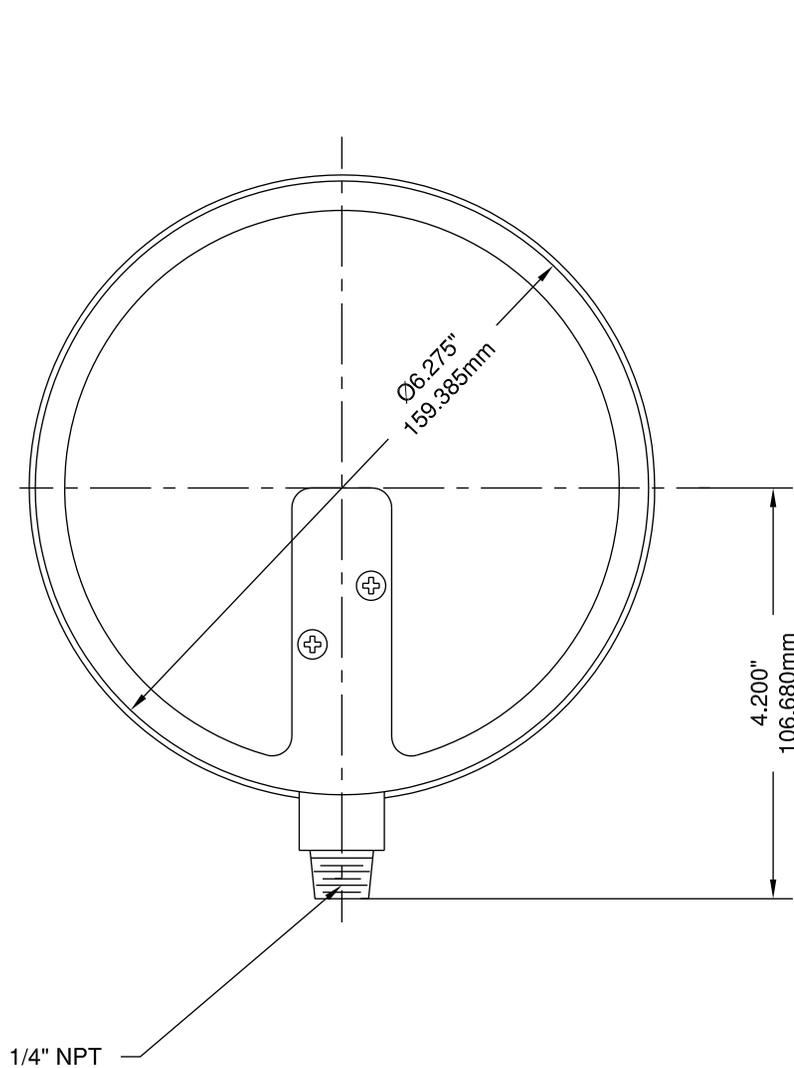
REVISION No. & DATE: April 28 2002

TITLE:

4" FREON GAUGE, BOTTOM

CONNECTION

DRAWING NO: QG-FREO-4-BTM



DRAWN BY: E. H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

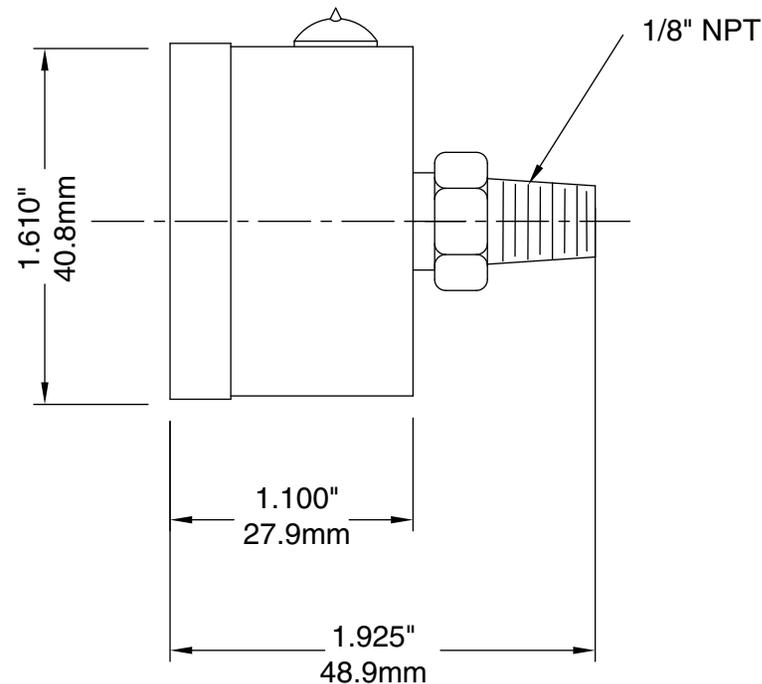
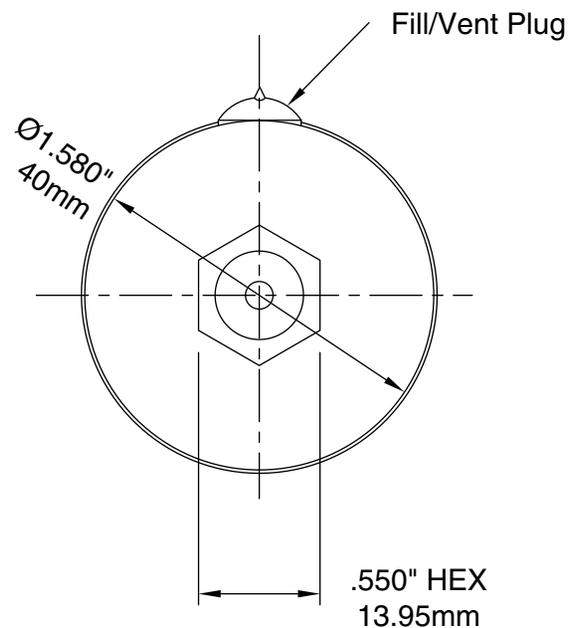
TOLERANCES (unless otherwise stated)	
Fractional:	1/64" .4mm
Decimal:	0.06" 1.5mm

REVISION No. & DATE: MAR. 03 2002

TITLE:
 6" FREON GAUGE, BOTTOM CONNECTION

DRAWING NO: QG-FREO-6-BTM

Ambient Temperature: -40°C-65°C Dry; -10°C-65°C Glycerine Filled
 Process Temperature: -40°C-65°C Dry; -10°C-65°C Glycerine Filled
 Case: 304 S/S
 Bezel: 304 S/S
 Lens: Polycarbonate
 Dial: Aluminum
 Tube: PhBz
 Movement: Brass
 Socket: Brass
 Welding: Silver Solder
 Accuracy: 3-2-3%
 Enclosure: IP65



WINTERS INSTRUMENTS

DRAWN BY:
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)
 Fractional: 1/64"
 Decimal: 0.06"
 REVISION No. & DATE: Feb. 05, 02

TITLE:
 1.5" LF SERIES QUALITY GAUGE,
 BACK CONNECTION
 DRAWING NO: QG-LF-1.5-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F) Dry; -10°C / 65°C (-14°F / 150°F) Glycerine Filled.

Process Temperature: -40°C / 65°C (-40°F / 150°F) Dry; -10°C / 65°C (-14°F / 150°F) Glycerine Filled.

Case: 304 S/S.

Bezel: 304 S/S.

Lens: Polycarbonate.

Dial: Aluminum.

Tube: Ph Bz.

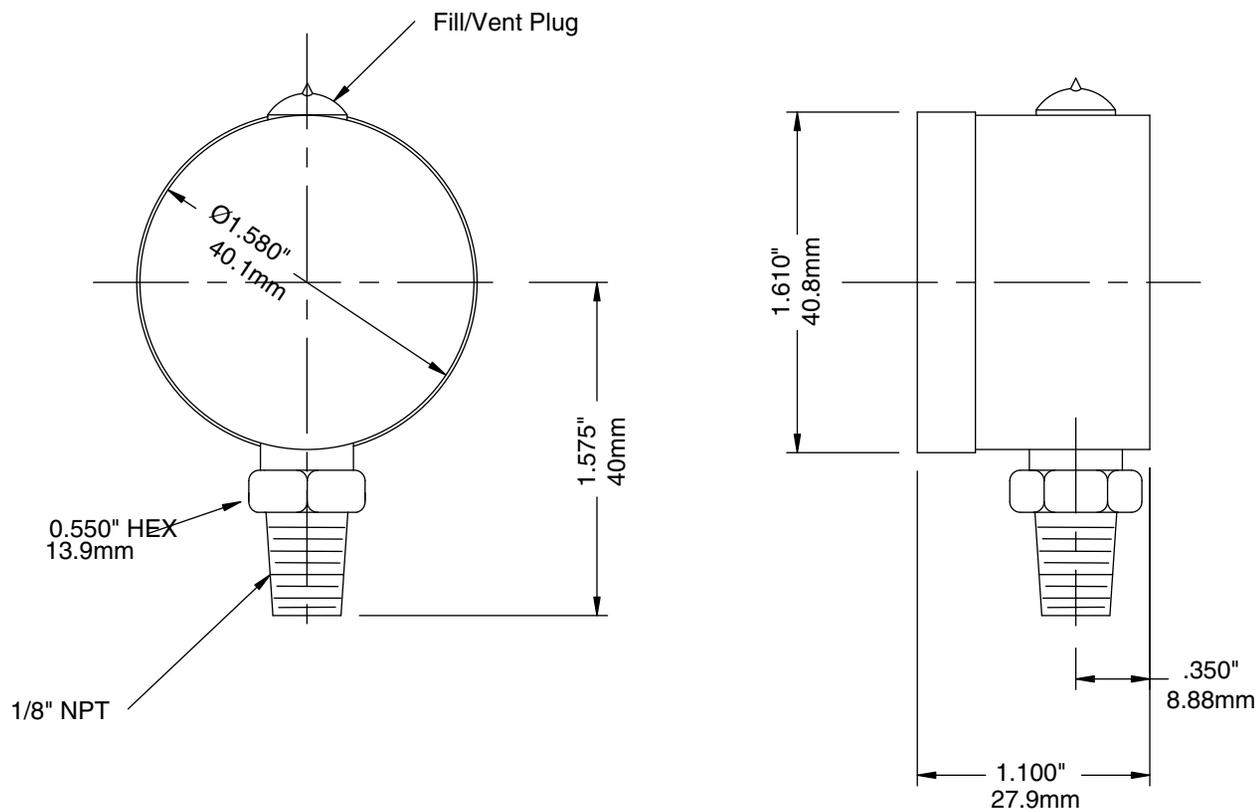
Movement: Brass.

Socket: Brass.

Welding: Silver Alloy.

Accuracy: ± 3-2-3% of full scale.

Enclosure: IP65.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional: 1/64"

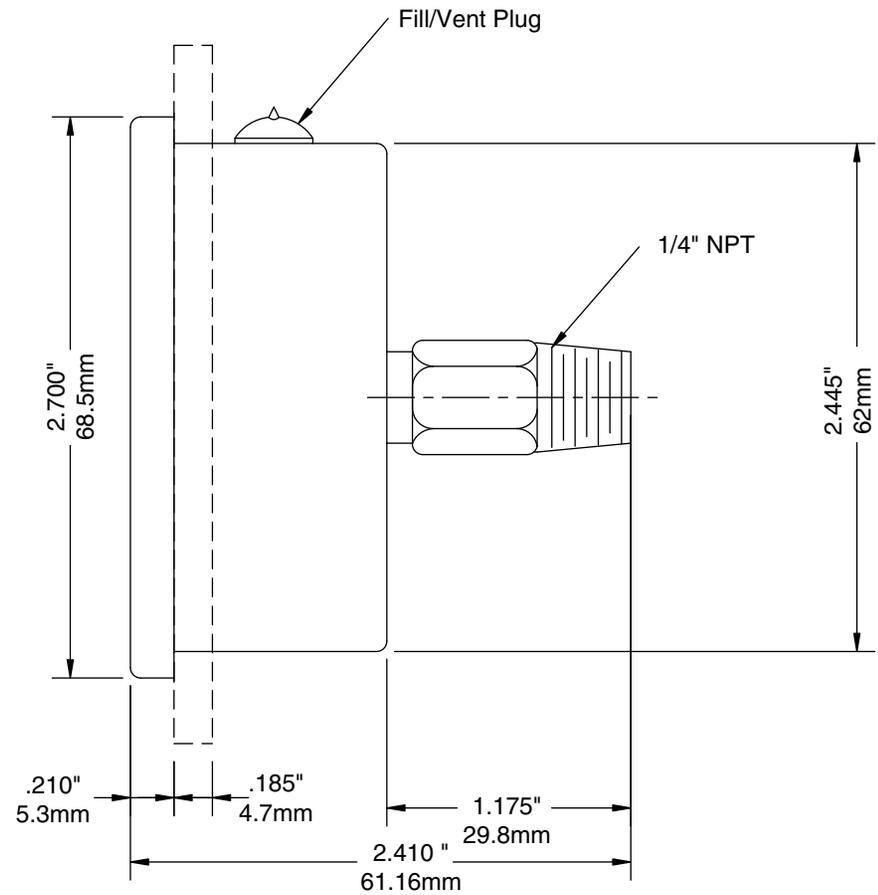
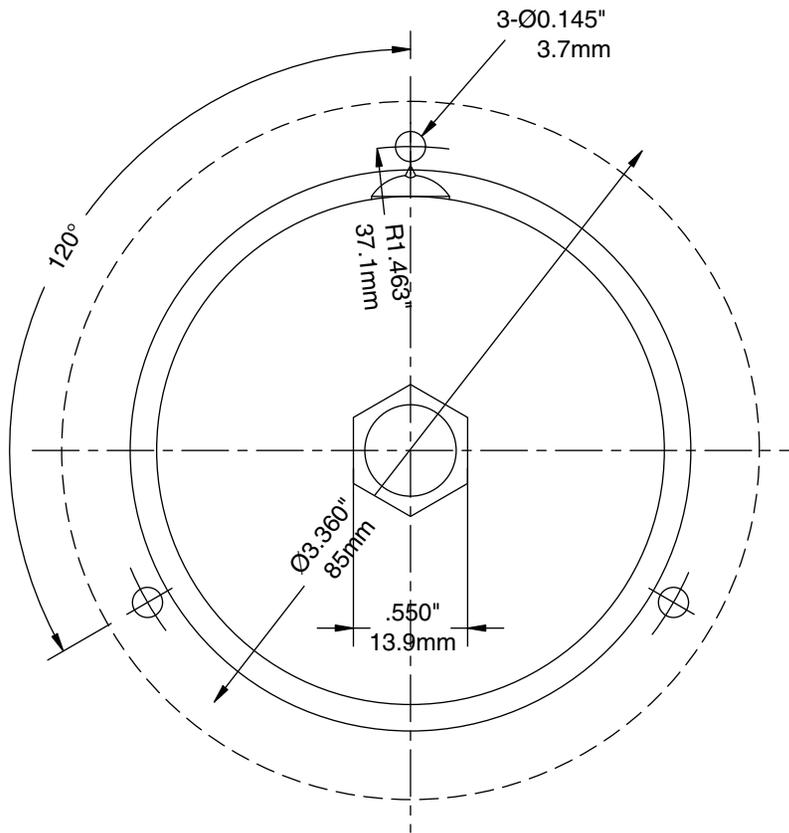
Decimal: 0.06"

REVISION No. & DATE: FEB. 5 2002

TITLE:

1.5" LF SERIES QUALITY GAUGE,
BOTTOM CONN, BRASS INTERNALS

DRAWING NO: QG-LF-1.5-BTM-BRASS



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES/MM

TOLERANCES
(unless otherwise stated)

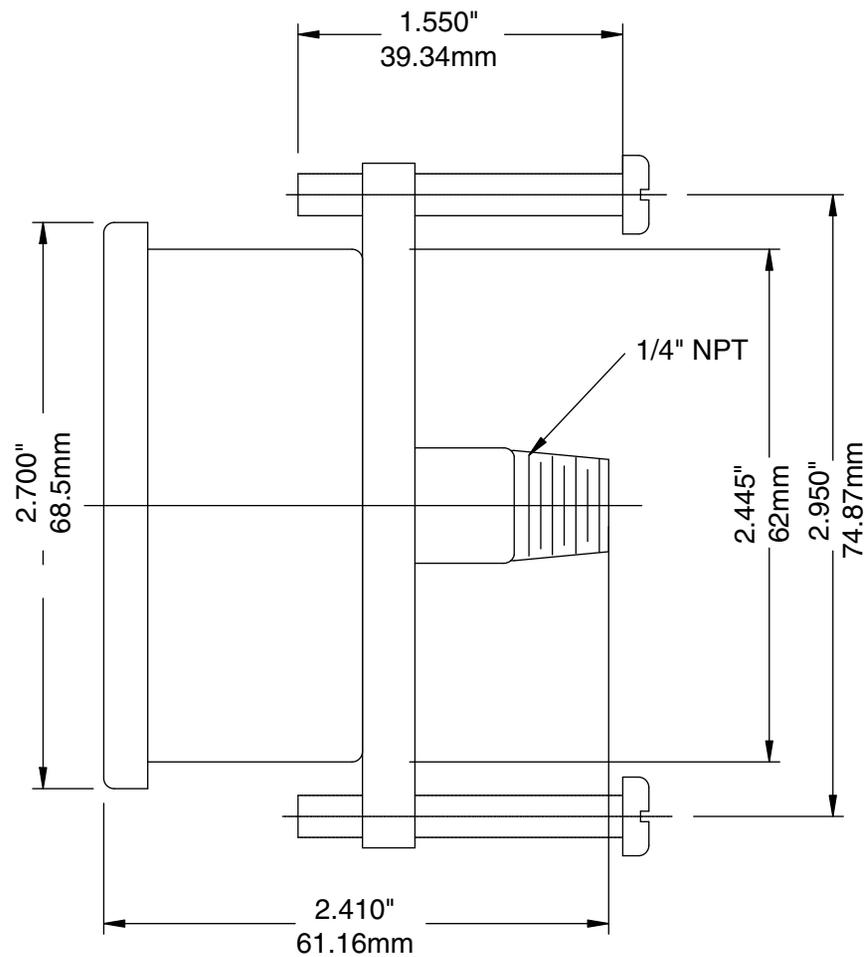
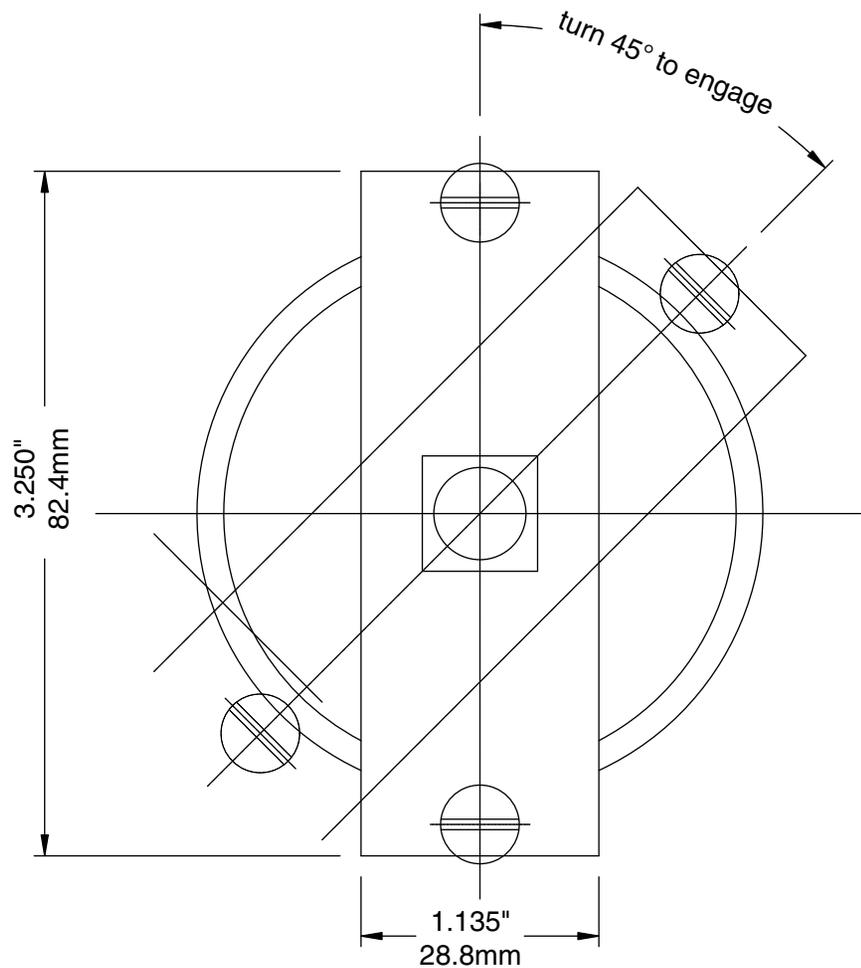
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: JAN. 29 2002

TITLE:

2.5" LF SERIES QUALITY GAUGE, BACK
CONNECTION WITH FRONT FLANGE OPTION

DRAWING NO: QG-LF-2.5-BK



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES/MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

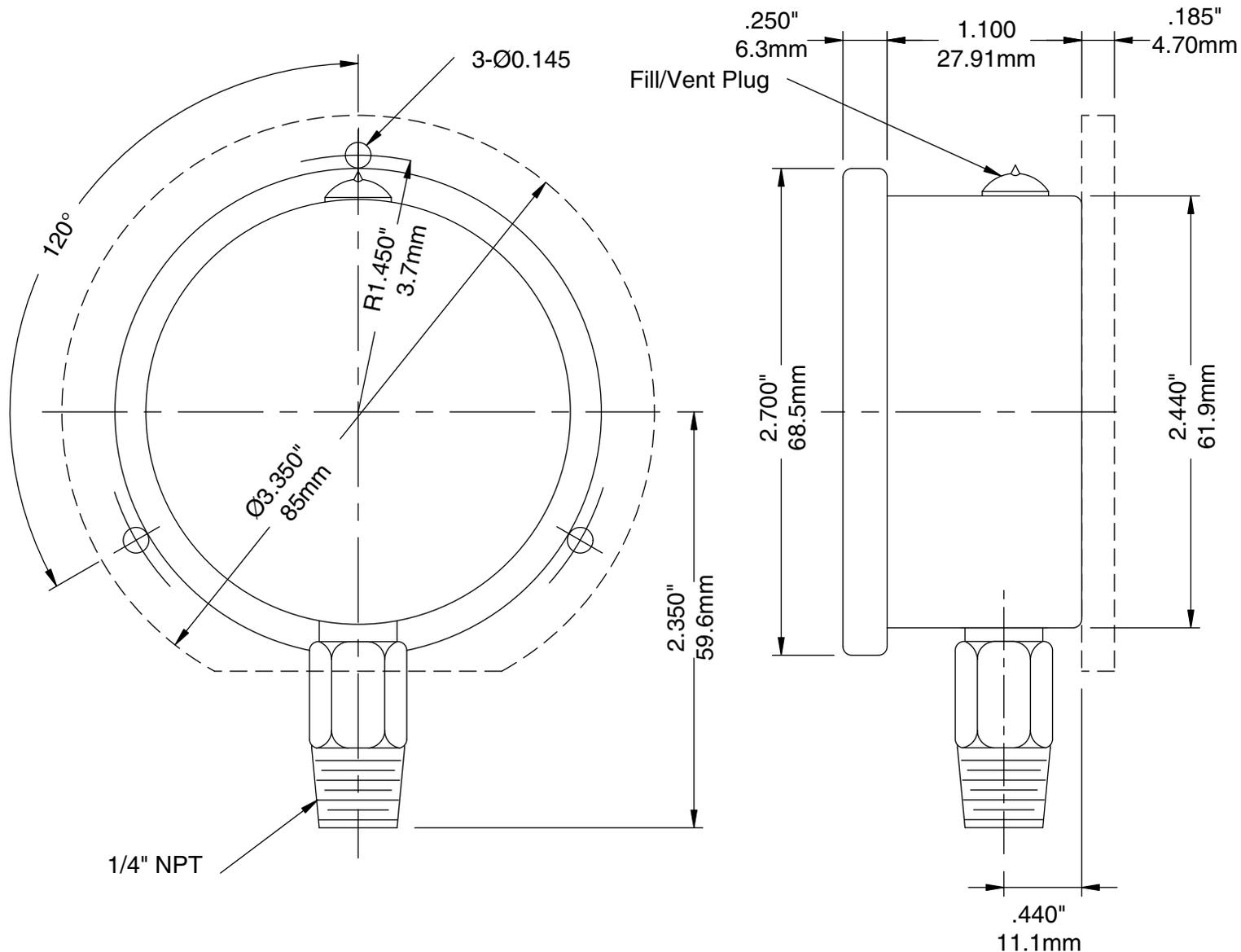
REVISION No. & DATE: JAN. 29 2002

TITLE:

2.5" LF SERIES QUALITY GAUGE, BACK
CONNECTION WITH "U" CLAMP

DRAWING NO: QG-LF-2.5-BK-UC

Ambient Temperature: -40°C / 65°C (-40°F / 150°F) Dry; -10°C / 65°C (14°F / 150°F) Glycerine Filled.
 Process Temperature: -40°C / 65°C (-40°F / 150°F) Dry; -10°C / 65°C (14°F / 150°F) Glycerine Filled.
 Case: 304 S/S.
 Bezel: 304 S/S.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Ph Bz.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver Alloy.
 Accuracy: ±1.5% of full scale.
 Enclosure: IP65.



WINTERS INSTRUMENTS

DRAWN BY:

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

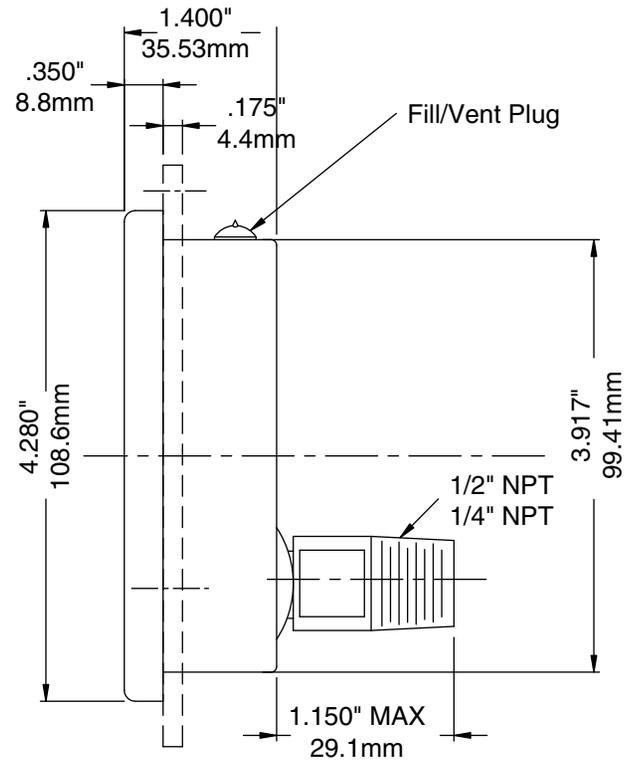
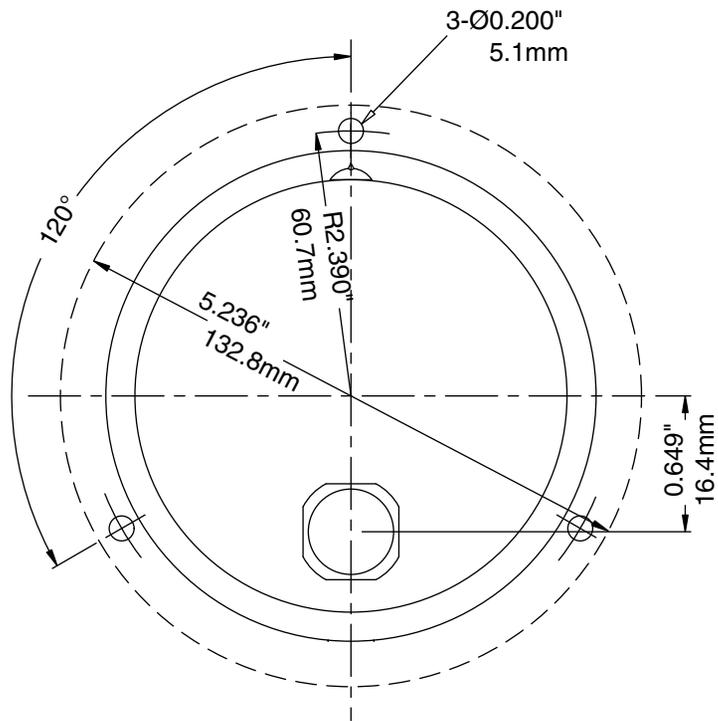
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: Jan 29, 02

TITLE:

2.5" LF SERIES QUALITY GAUGE,
BOTTOM CONNECTION, BACK FLANGE OPTION

DRAWING NO: QG-LF-2.5-BTM



WINTERS INSTRUMENTS

DRAWN BY:
CHECKED BY:
ENG. APPROVAL:
APPROVED BY:

ALL DIMENSIONS IN INCHES

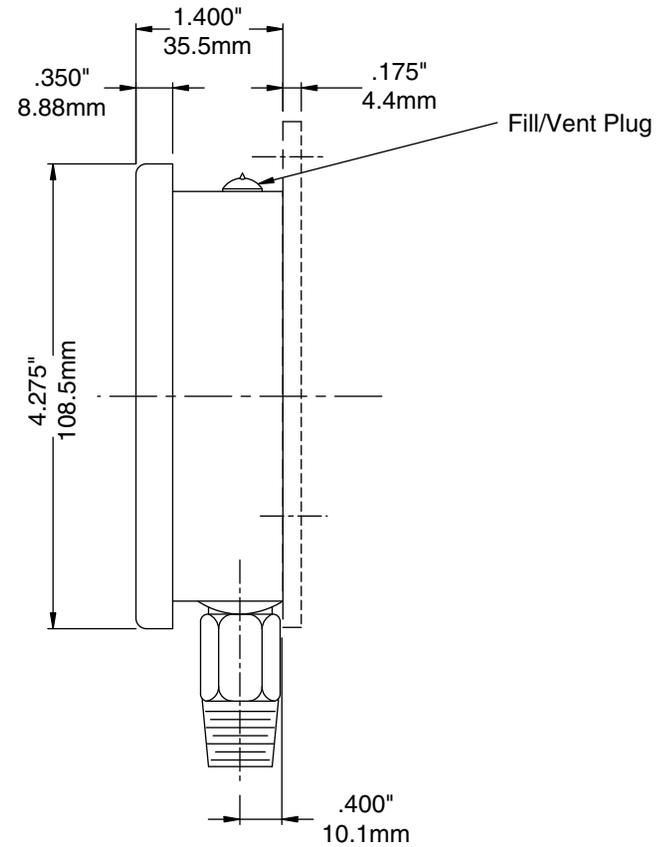
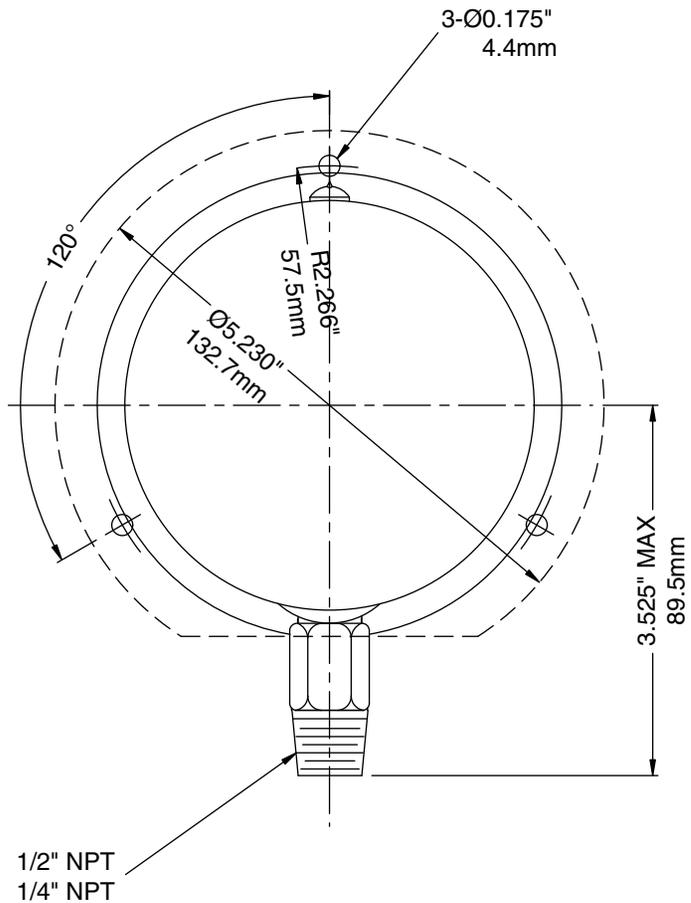
TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: MAR. 1 2002

TITLE:
4" LF SERIES QUALITY GAUGE,
BACK CONNECTION, FRONT FLANGE OPTION

DRAWING NO: QG-LF-4-BK



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES/MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

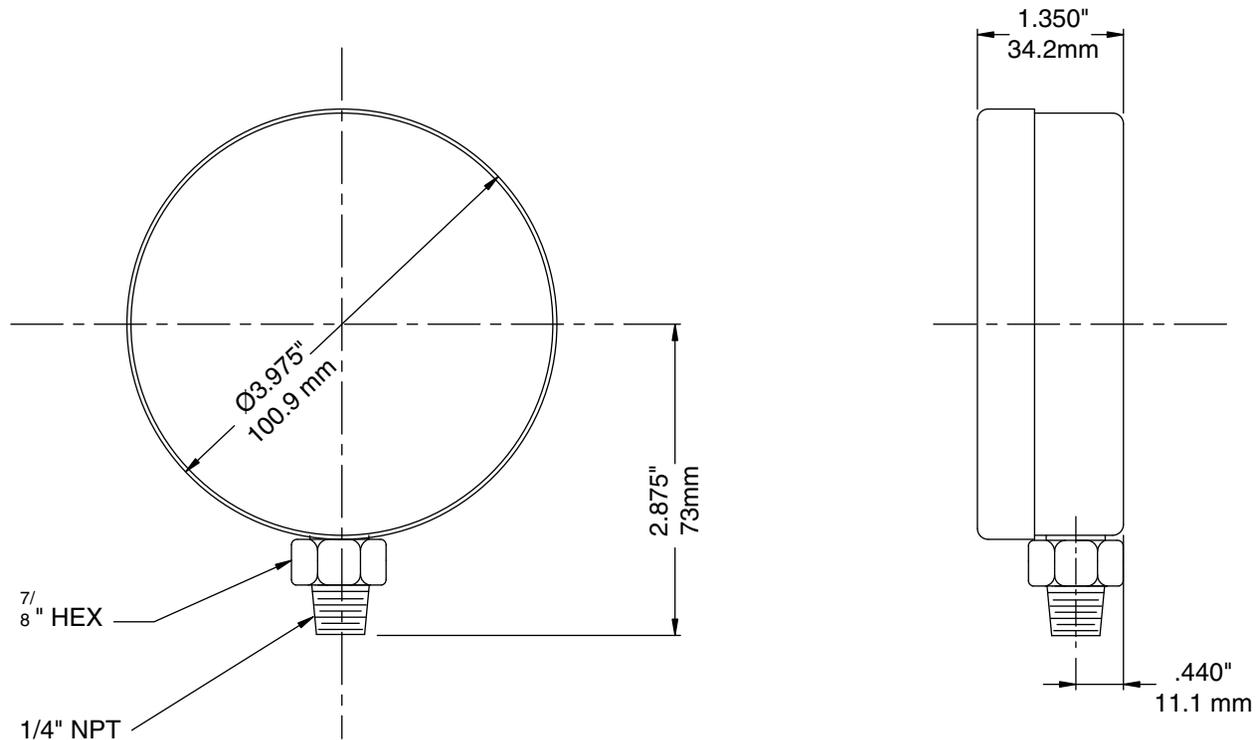
REVISION No. & DATE: APR. 12 2002

TITLE:

4" LF SERIES QUALITY GAUGE, BOTTOM
CONNECTION WITH BACK FLANGE OPTION

DRAWING NO: QG-LF-4-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: 0°C-65°C (32°F / 150°F).
 Case: Steel, painted black.
 Bezel: Steel, painted black.
 Lens: Glass.
 Dial: Aluminum.
 Tube: Ph Bz.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver alloy.
 Accuracy: ±1.5% of full scale.
 Enclosure: IP50.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 12 2002

TITLE:

3.5" SPRINKLER GAUGE, BOTTOM CONNECTION

DRAWING NO: QG-SPRI-3.5-BTM

Ambient Temperature: -40 / 65°C (-40°F / 150°F).

Process Temperature: -40 / 65°C (-40°F / 150°F).

Case: Brass.

Bezel: Polished brass.

Lens: Plexiglass.

Dial: Aluminum.

Tube: Phosphor bronze.

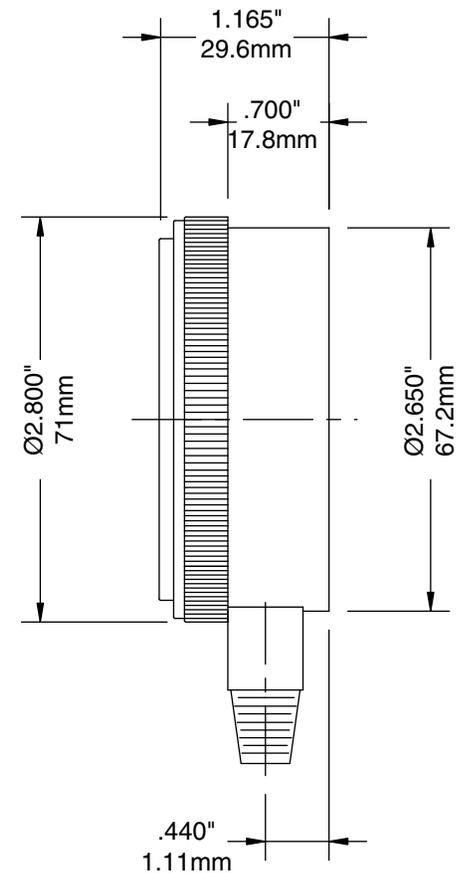
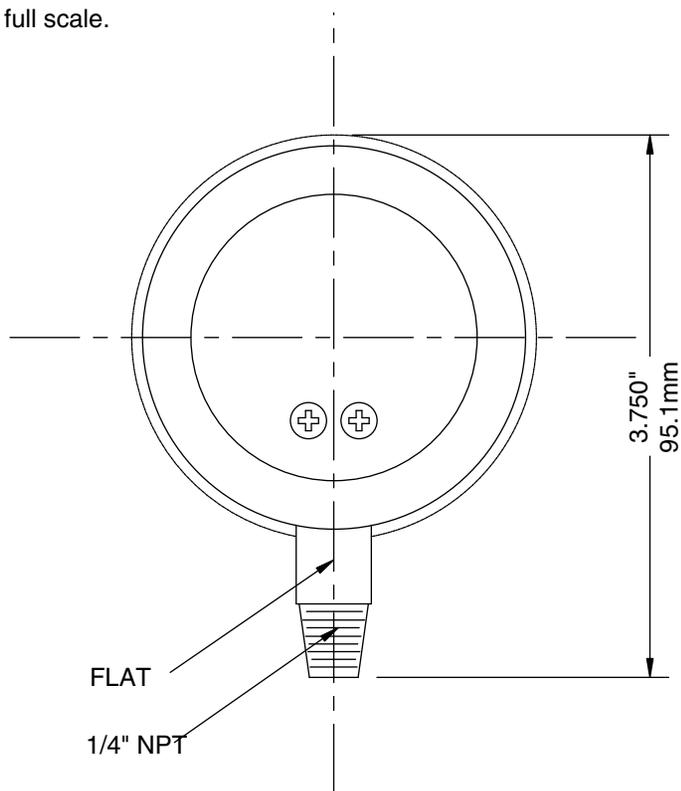
Movement: Brass.

Socket: Brass.

Welding: Silver alloy.

Accuracy: 3%-2%-3% of full scale.

Enclosure: IP 52.



WINTERS INSTRUMENTS

DRAWN BY: E.H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

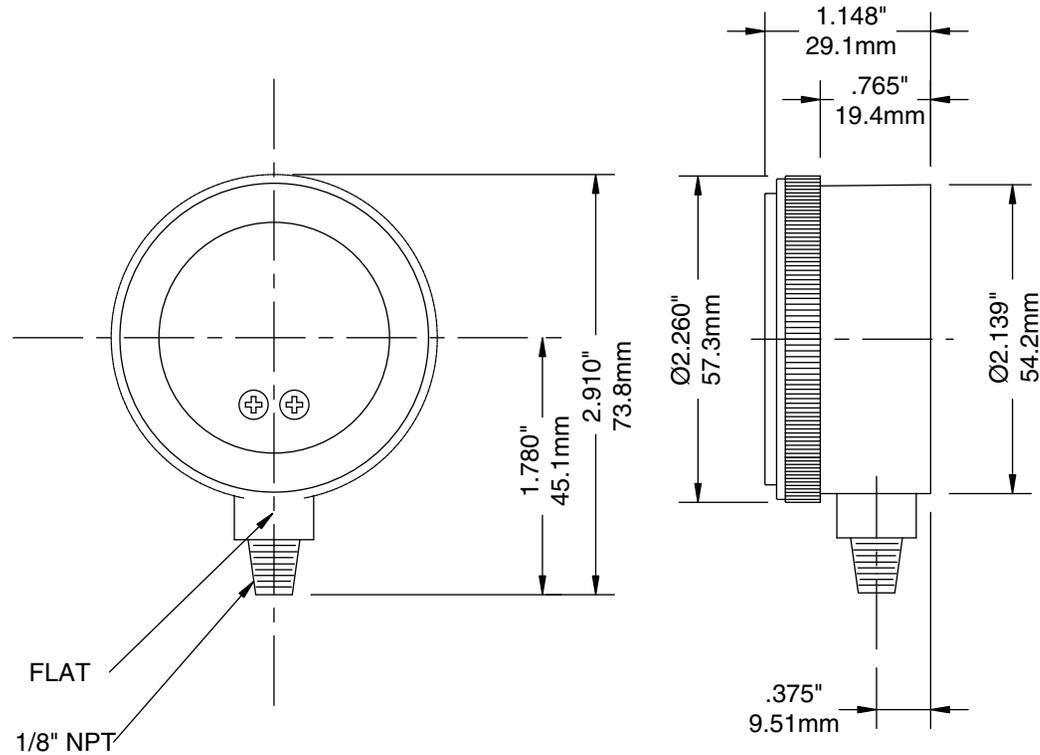
REVISION No. & DATE: APR.13, 2002

TITLE:

2.5" WELDING GAUGE, BOTTOM
CONNECTION

DRAWING NO:QG-WELD-2.5-BTM

Ambient Temperature: -40 / 65°C (-40°F / 150°F).
 Process Temperature: -40 / 65°C (-40°F / 150°F).
 Case: Brass.
 Bezel: Polished brass.
 Lens: Plexiglass.
 Dial: Aluminum.
 Tube: Phosphor bronze.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver alloy.
 Accuracy: 3%-2%-3% of full scale .
 Enclosure: IP 52.



WINTERS INSTRUMENTS

DRAWN BY: E.H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

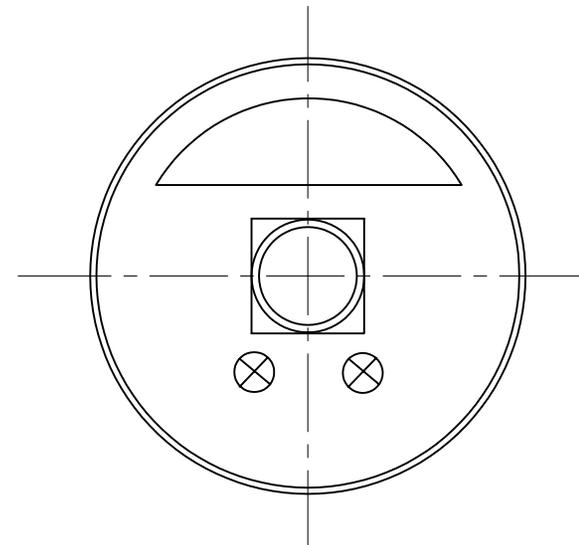
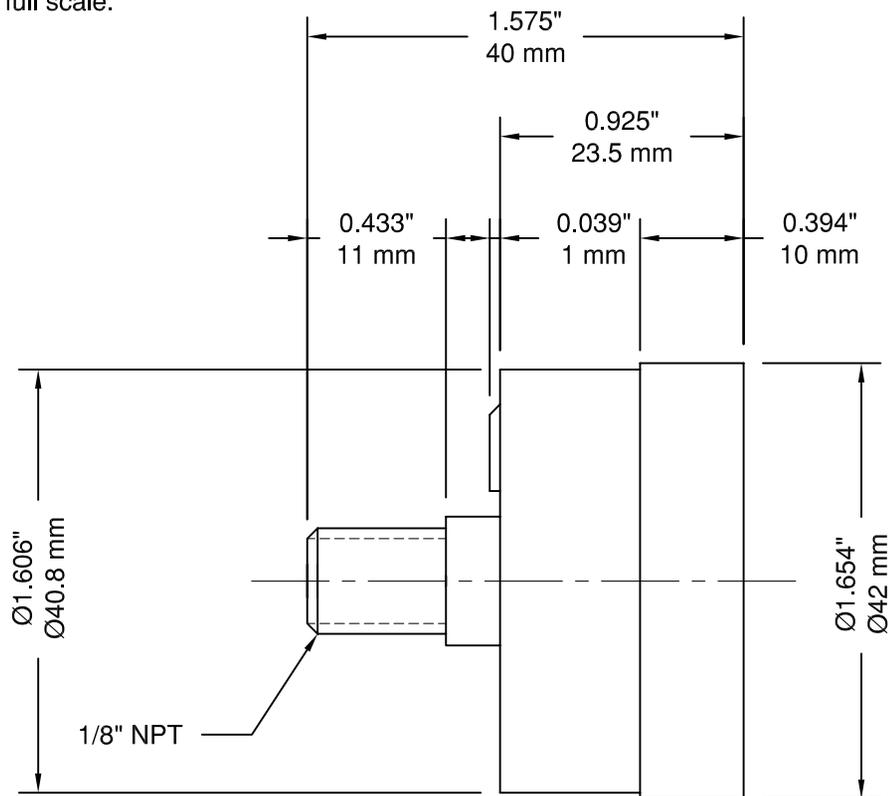
REVISION No. & DATE: APR.13, 2002

TITLE:

2" WELDING GAUGE, BOTTOM CONNECTION

DRAWING NO:QG-WELD-2-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Bezel: Steel, painted black.
 Tube: Brass.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver Alloy.
 Accuracy: ±3-2-3% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64" 0.4 mm
Decimal:	0.06" 1.5 mm

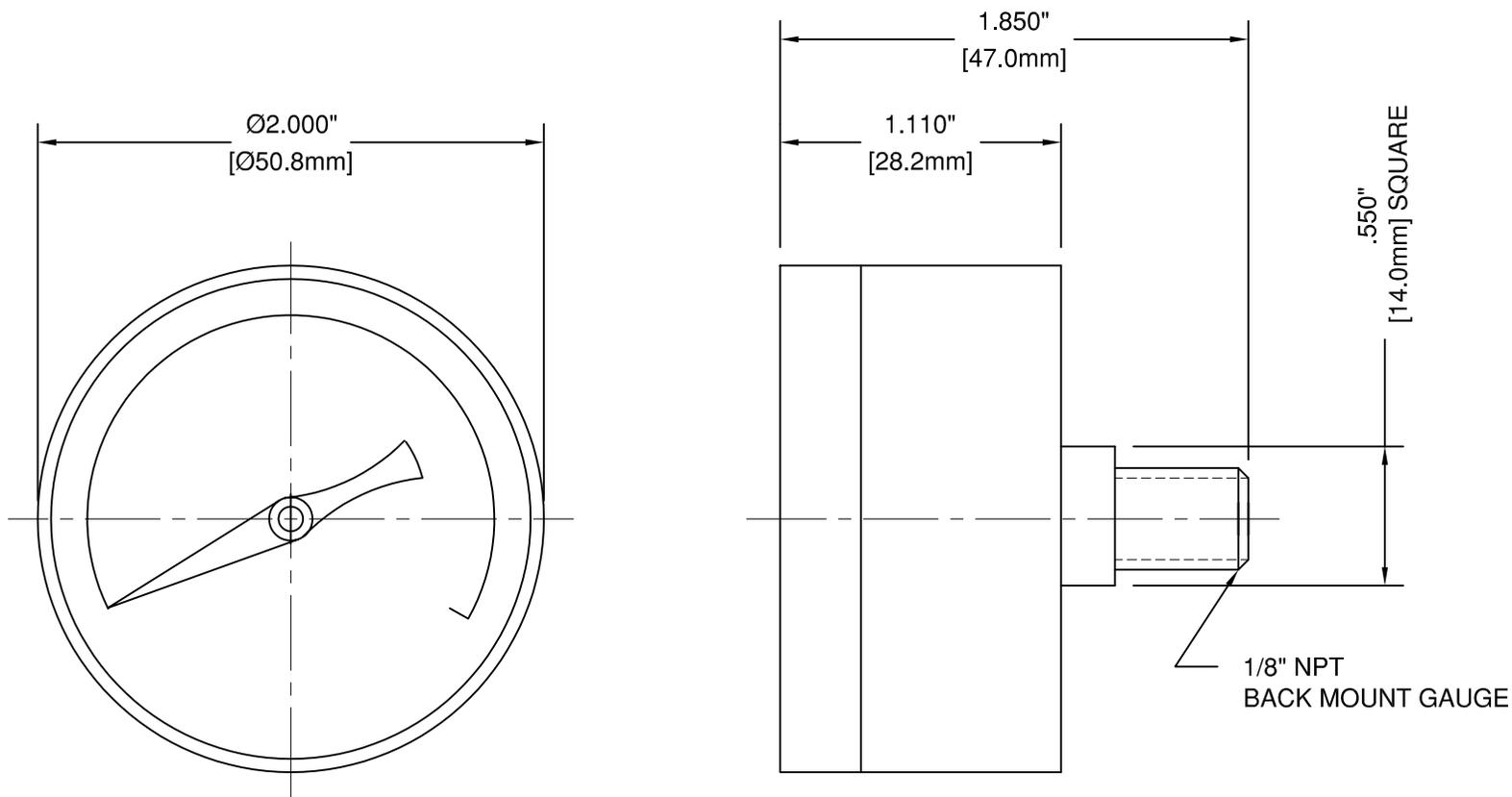
REVISION No. & DATE: (1) APR, 21, 2003

TITLE:

1.5" ECONOMY GAUGE, BACK CONNECTION, UL

DRAWING NO: UL-ECON-1.5-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Bezel: Steel, painted black.
 Tube: Brass.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver Alloy.
 Accuracy: ±3-2-3% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY: T. S.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64" 0.4 mm
Decimal:	0.06" 1.5 mm

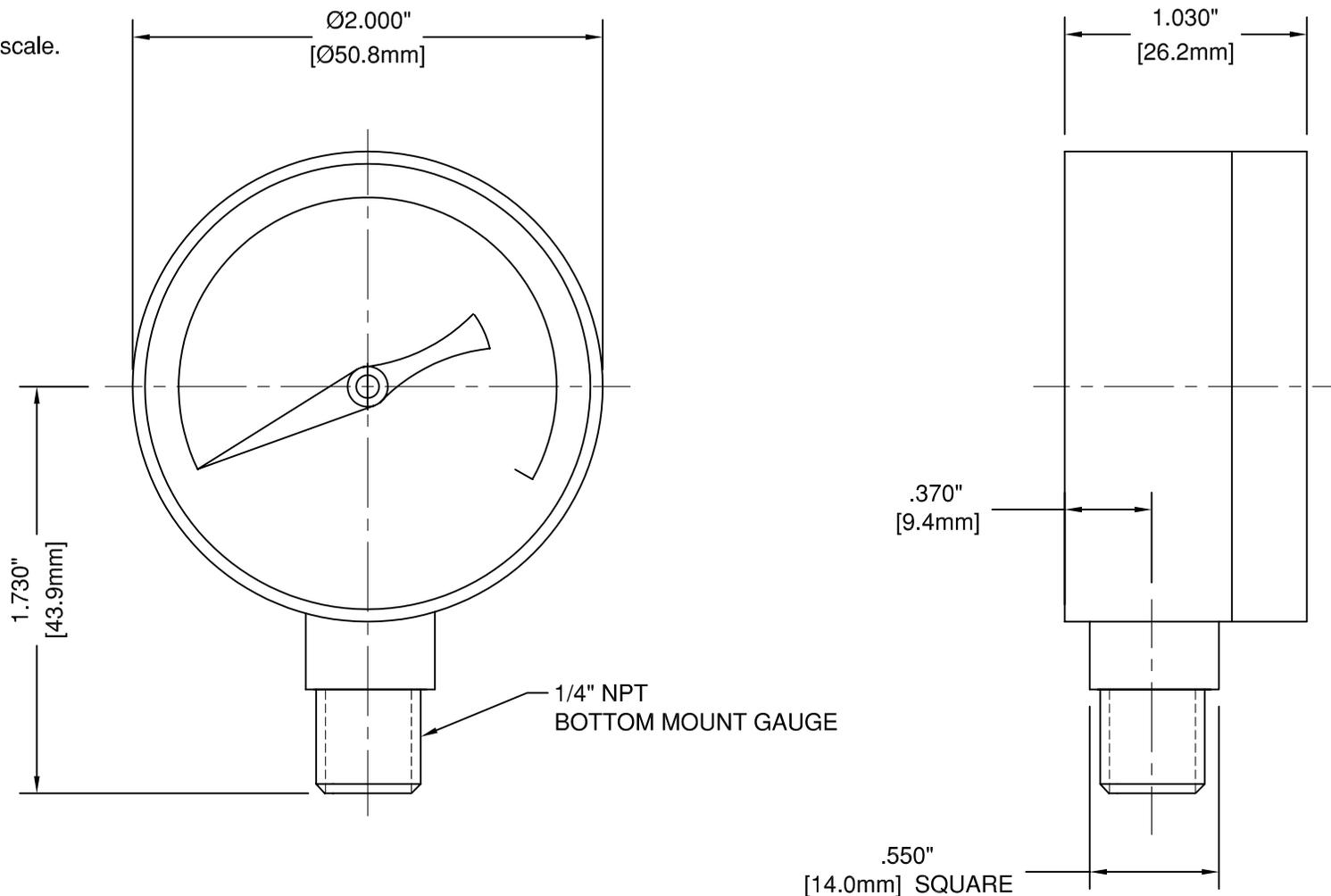
REVISION No. & DATE: (1) FEB. 04, 2004

TITLE:

1.5" ECONOMY GAUGE, BACK CONNECTION, UL

DRAWING NO: UL-ECON-2.0-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Steel, painted black.
 Bezel: Steel, painted black.
 Tube: Brass.
 Movement: Brass.
 Socket: Brass.
 Welding: Silver Alloy.
 Accuracy: ±3-2-3% of full scale.
 Enclosure: IP52.



DRAWN BY: T.S.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

Fractional:	1/64" 0.4 mm
Decimal:	0.06" 1.5 mm

REVISION No. & DATE: (1) FEB. 07, 2004

TITLE:

2.0" ECONOMY GAUGE, BOTTOM CONNECTION, UL

DRAWING NO: UL-ECON-2.0-BTM