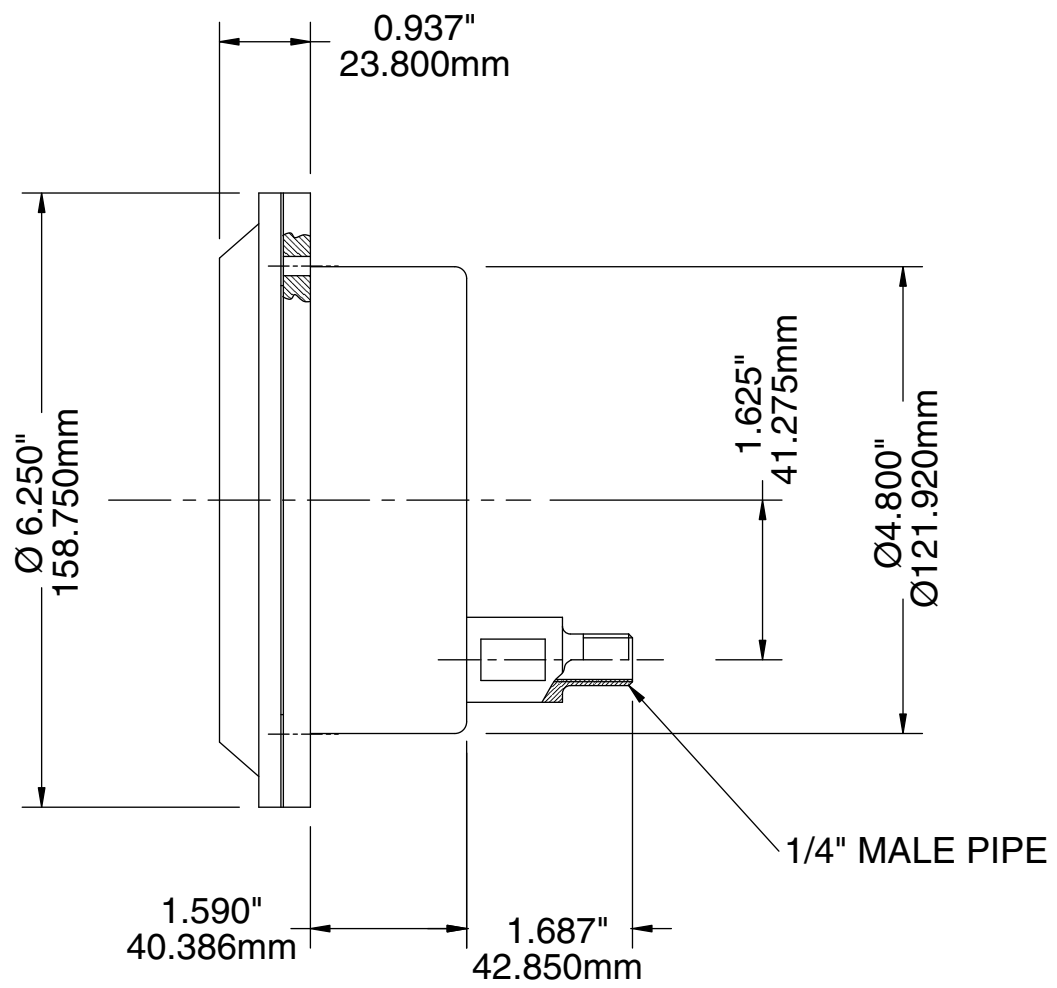
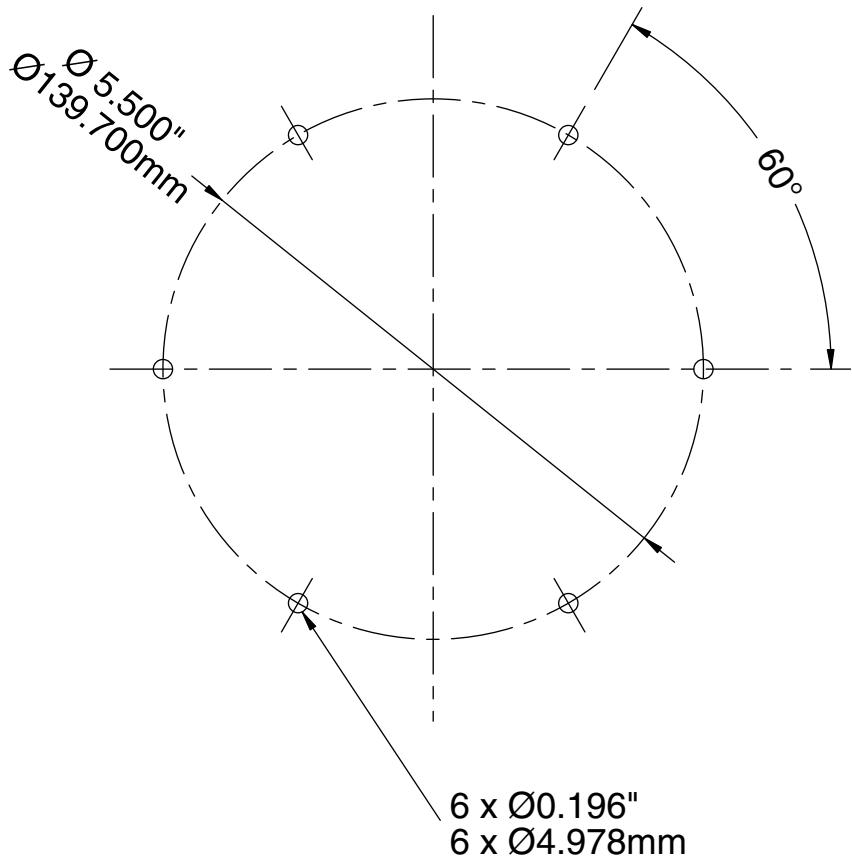


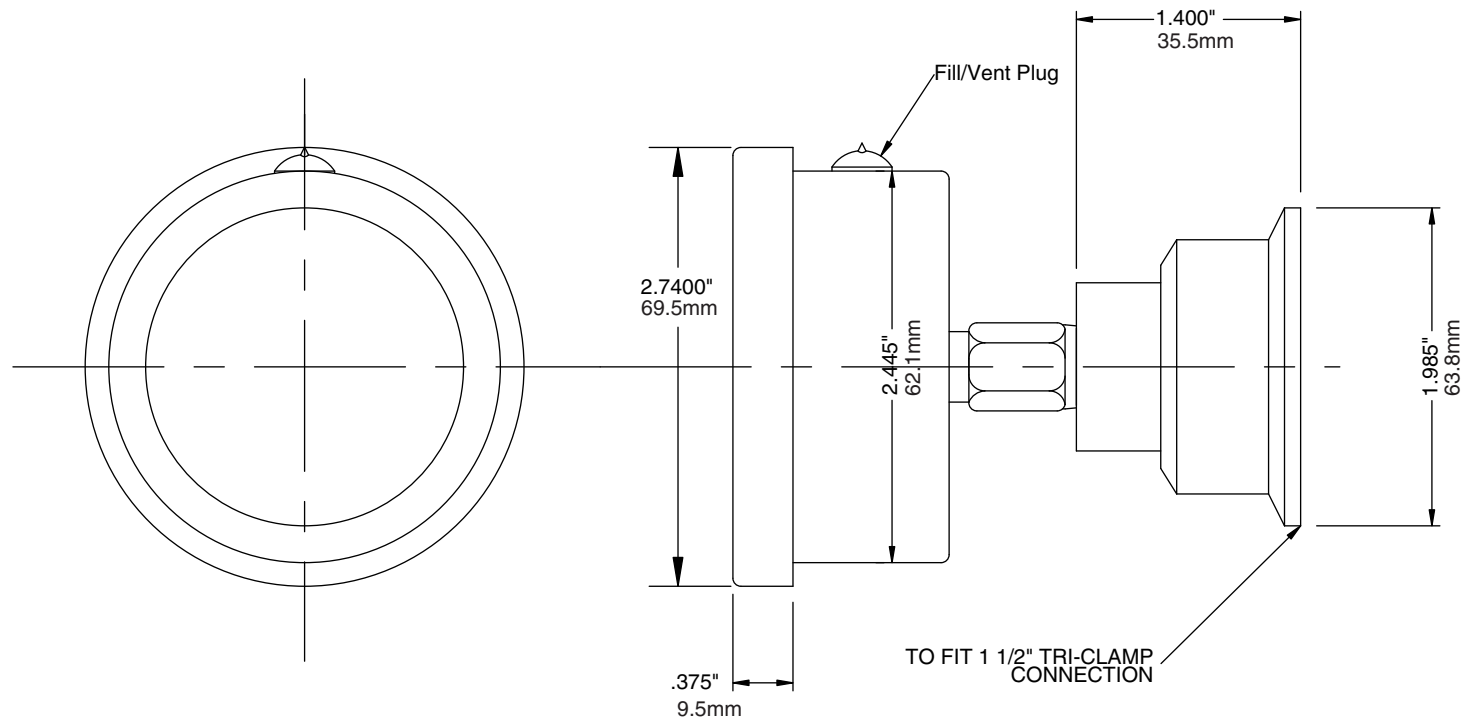
Case: Machined brass case painted black
 Bezel: Machined aluminum bezel painted black
 Lens: Glass
 Dial: Aluminum
 Tube: 304 S/S
 Movement: 304 S/S
 Socket: Carbon steel



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

ALL DIMENSIONS IN INCHES / MM
 TOLERANCES
 (unless otherwise stated)
 Fractional: 1/64" .4 mm
 Decimal: 0.06" 1.5 mm
 REVISION No. & DATE: MAY 15, 2002

TITLE:
 4.5" GE GAUGE, BACK CONNECTION,
 FRONT FLANGE
 DRAWING NO: GE-4.5-BK-FF



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. 28 2002

TITLE:

2 1/2" BACK CONNECTION 3A SANITARY GAUGE

WITH 1.5" TRI-CLAMP

DRAWING NO: PG-3A-2.5-1.5TRI-BK

Ambient Temperature: -25°C / 65°C (-13°F / 150°F) Dry; -15°C / 65°C (5°F / 150°F) Glycerine filled.

Process Temperature: -25°C / 65°C (-13°F / 150°F) Dry; -15°C / 65°C (5°F / 150°F) Glycerine filled.

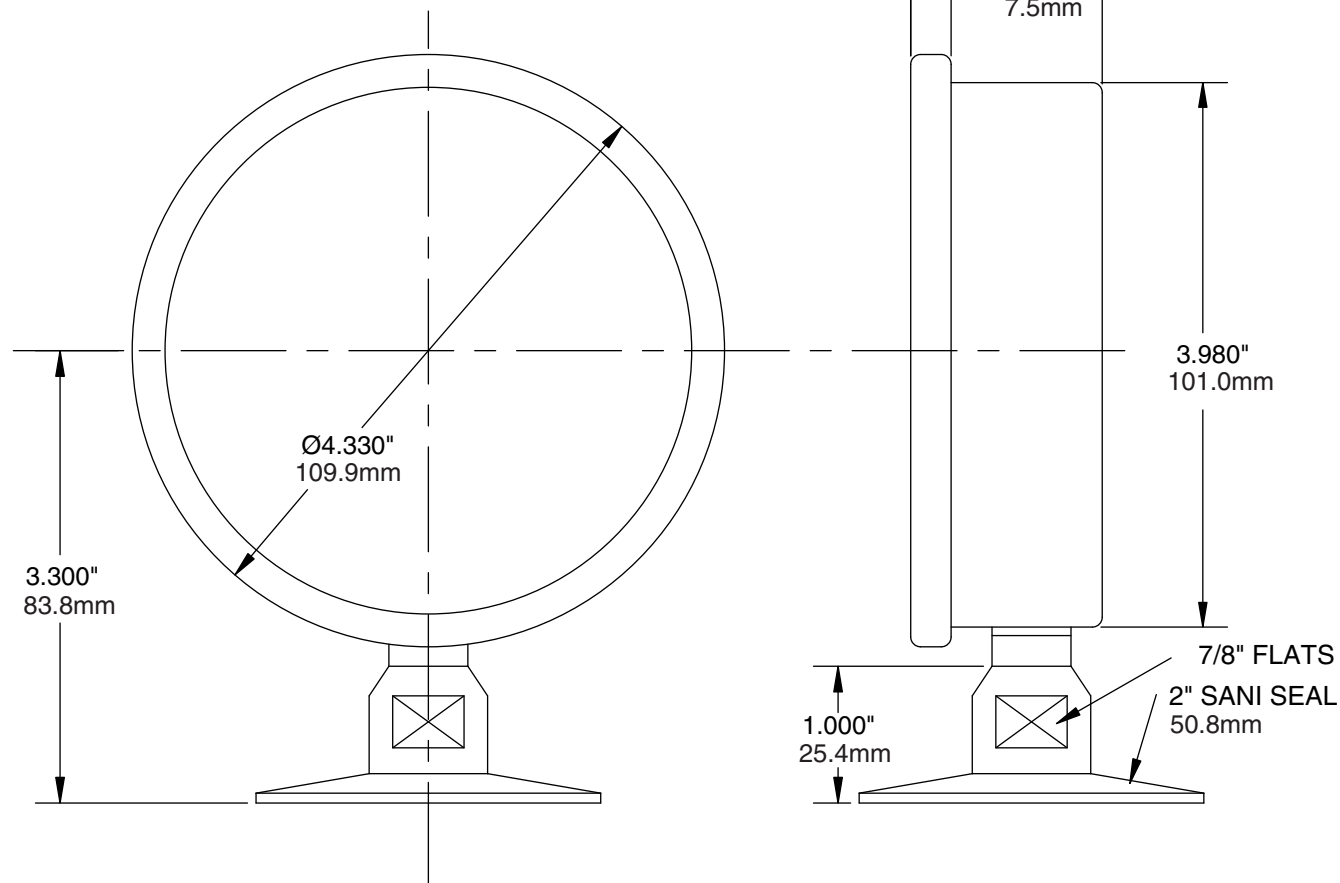
Case: 304 S/S.

Bezel: 304 S/S.

Lens: Plexiglass.

Dial: Aluminum.

Diaphragm: 316L S/S.



WINTERS INSTRUMENTS

DRAWN BY:

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

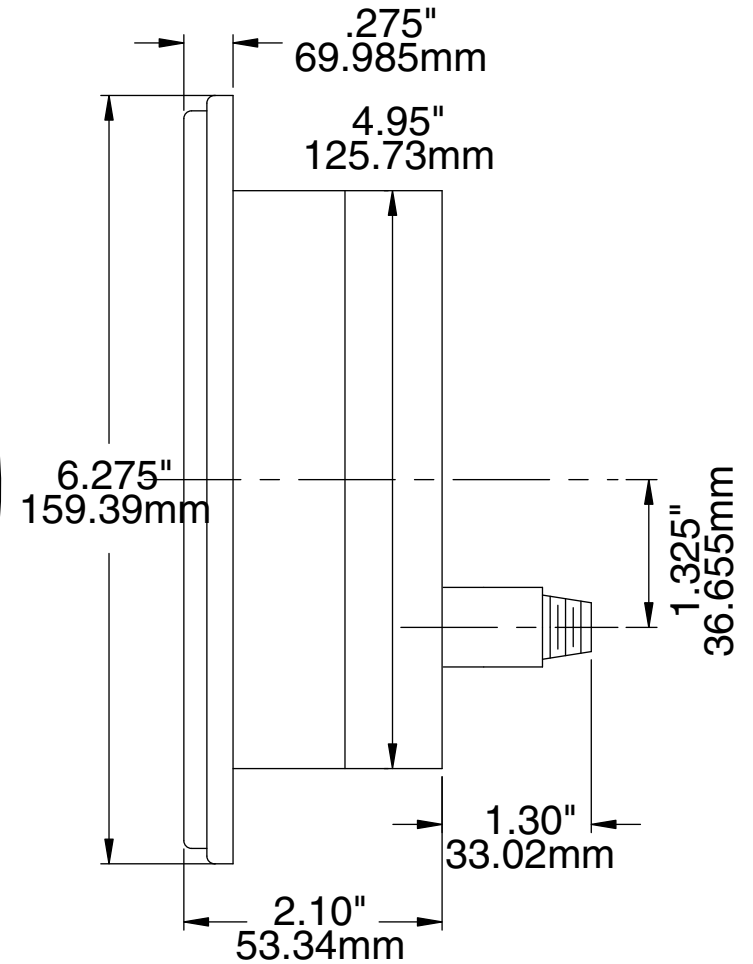
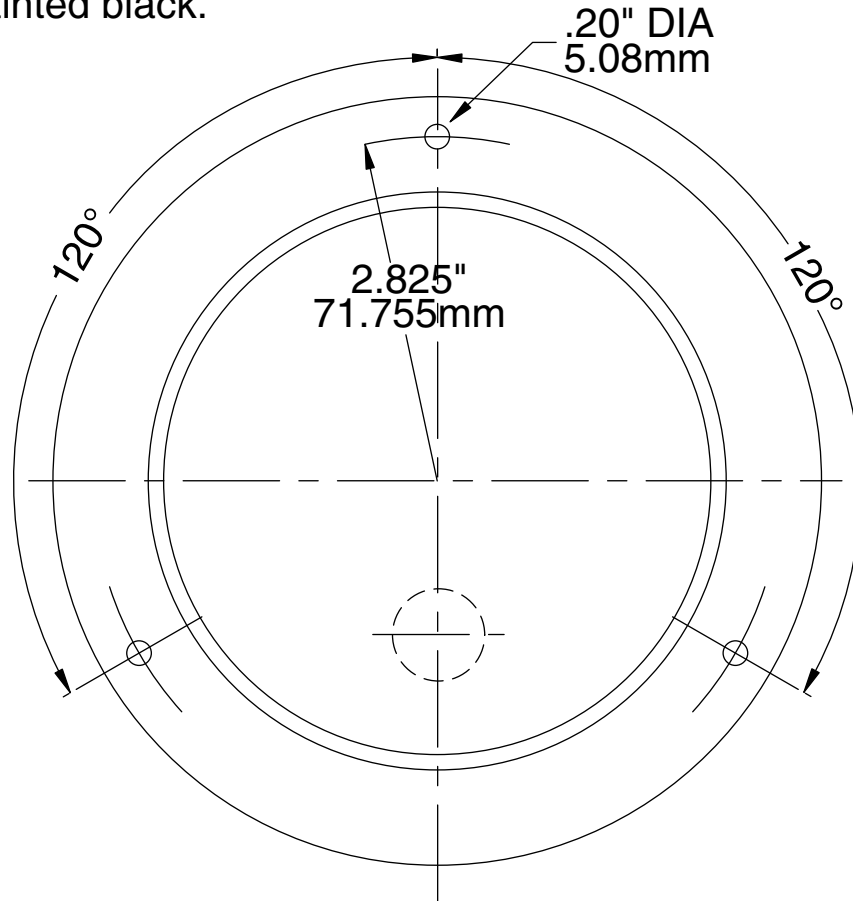
REVISION No. & DATE: Jan.28/02

TITLE:

4" 3A SANITARY GAUGE, BOTTOM
CONNECTION WITH 2" TRI-CLAMP

DRAWING NO: PG-3A-4-2TRI-BTM

Ambient Temperature: -40°C / 65°C
 (-40°F / 150°F).
 Process Temperature: -40°C / 65°C
 (-40°F / 150°F).
 Case: Aluminum, painted black.
 Bezel: S/S.
 Lens: Glass.



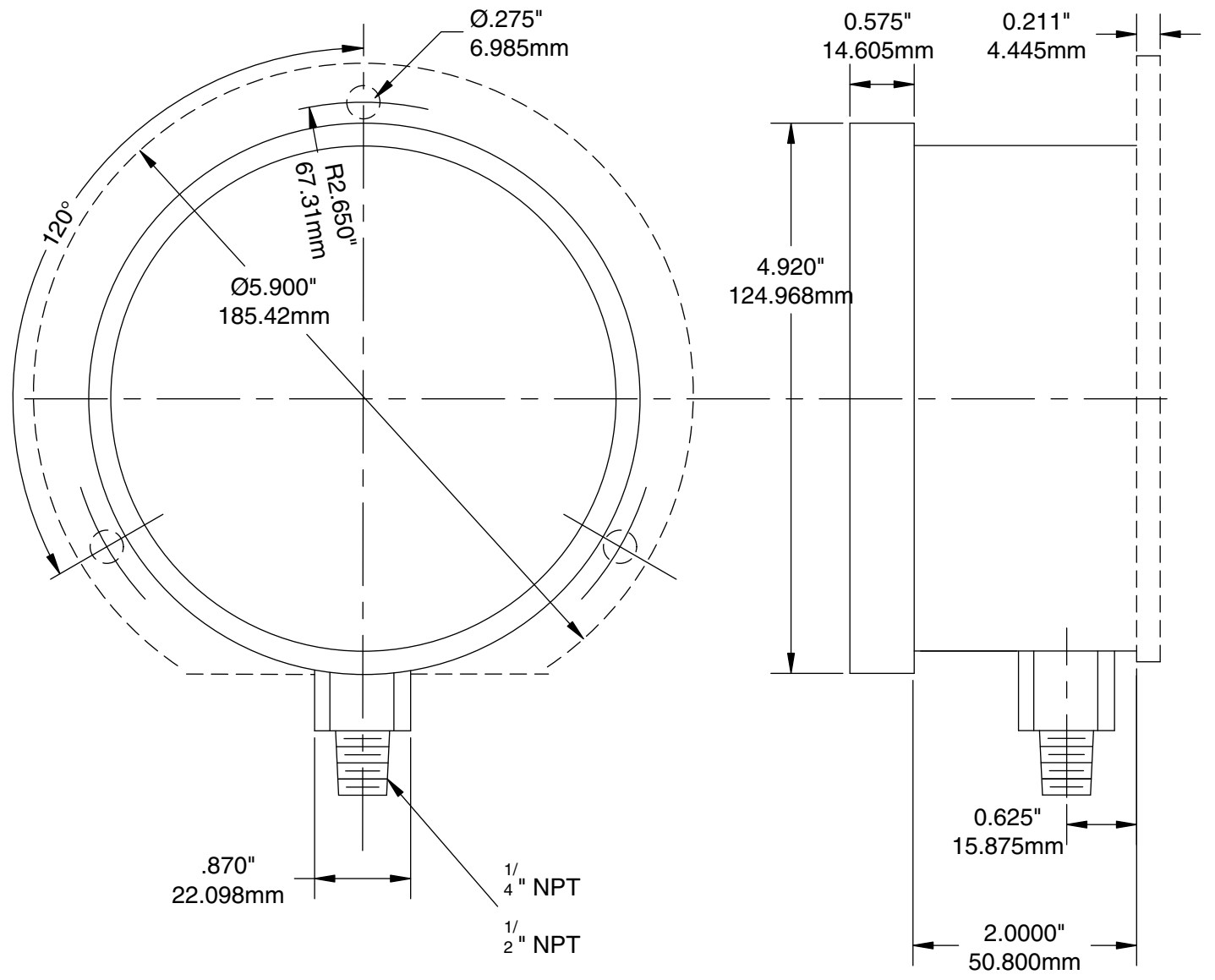
WINTERS INSTRUMENTS

DRAWN BY:
 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 10 2002

TITLE:
 4.5" 300 SERIES GAUGE, BACK
 DRAWING NO: PG-300-4.5-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: Aluminum.
 Lens: Glass.
 Dial: Aluminum.
 Tube: Brass / 316 S/S.
 Movement: Brass / 304 S/S.
 Socket: Brass / 316 S/S.
 Accuracy: +/- 0.5% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

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

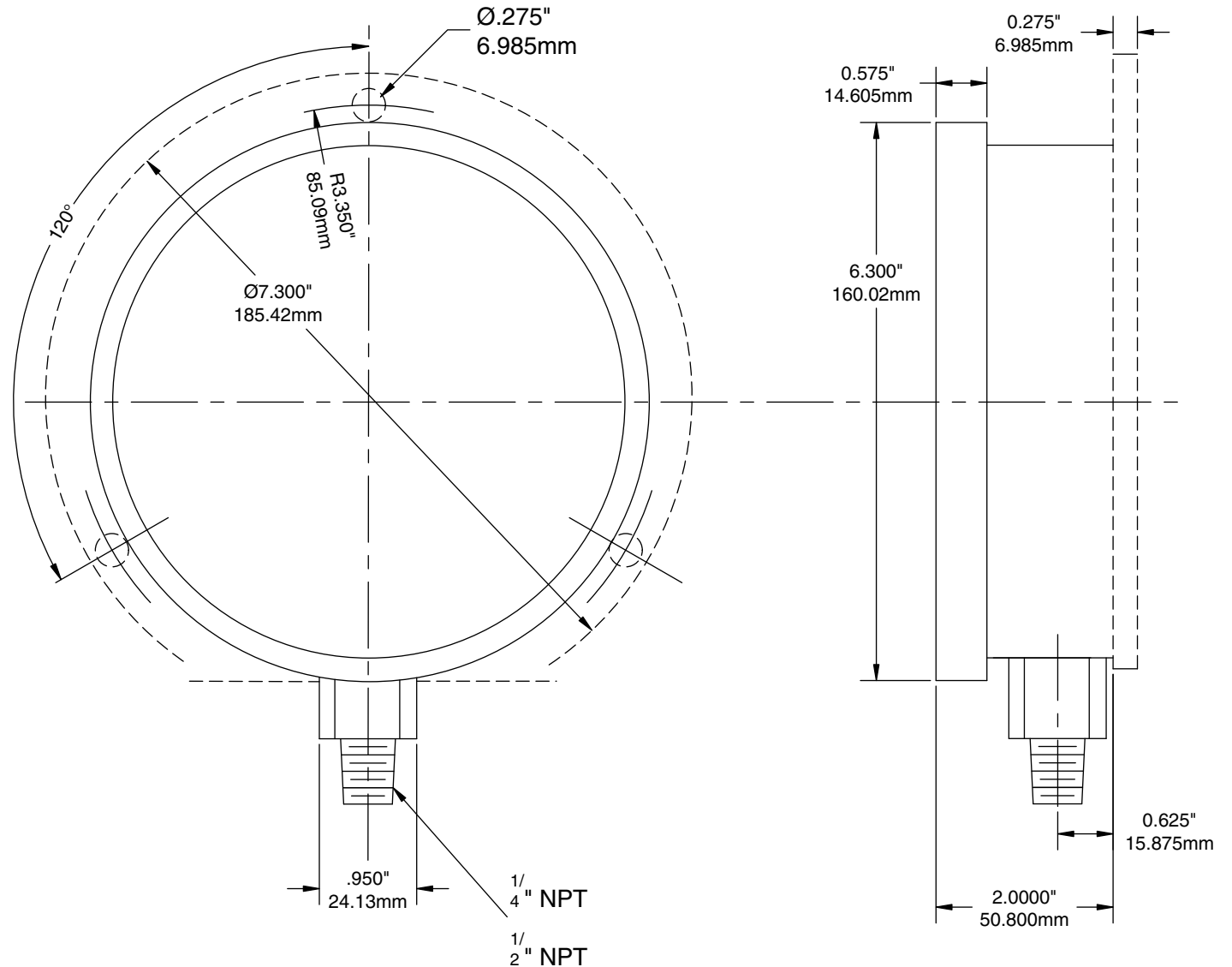
ALL DIMENSIONS IN INCHES / MM
 TOLERANCES
 (unless otherwise stated)

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

REVISION No. & DATE: APRIL 10 2002

TITLE:
4.5" 300 SERIES GAUGE, BOTTOM CONNECTION WITH BACK FLANGE OPTION
 DRAWING NO: PG-300-4.5-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.
 Bezel: Aluminum.
 Lens: Glass.
 Dial: Aluminum.
 Tube: Brass / 316 S/S.
 Movement: Brass / 304 S/S.
 Socket: Brass / 316 S/S.
 Accuracy: +/- 0.5% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY:

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

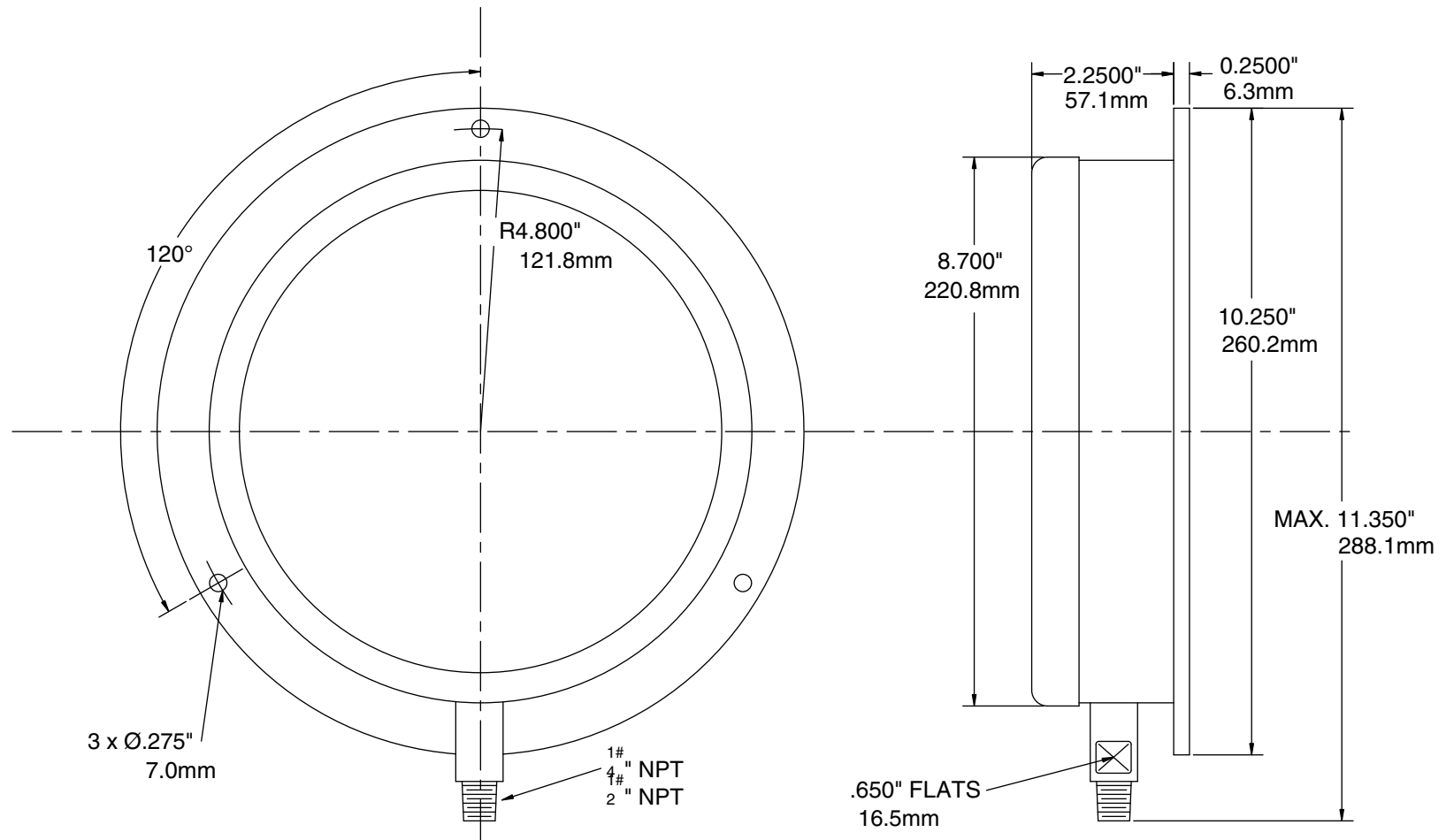
Fractional:	1/64" .4mm
Decimal:	0.06" 1.5mm

REVISION No. & DATE: APRIL 10 2002

TITLE:

6" 300 SERIES GAUGE, BOTTOM CONNECTION
WITH BACK FLANGE OPTION

DRAWING NO: PG-300-6-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: APRIL 07 2002

TITLE:
8.5" 300 SERIES PREMIUM GAUGE, BOTTOM
CONNECTION WITH STANDARD BACK FLANGE

DRAWING NO: PG-300-8.5-BTM

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

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

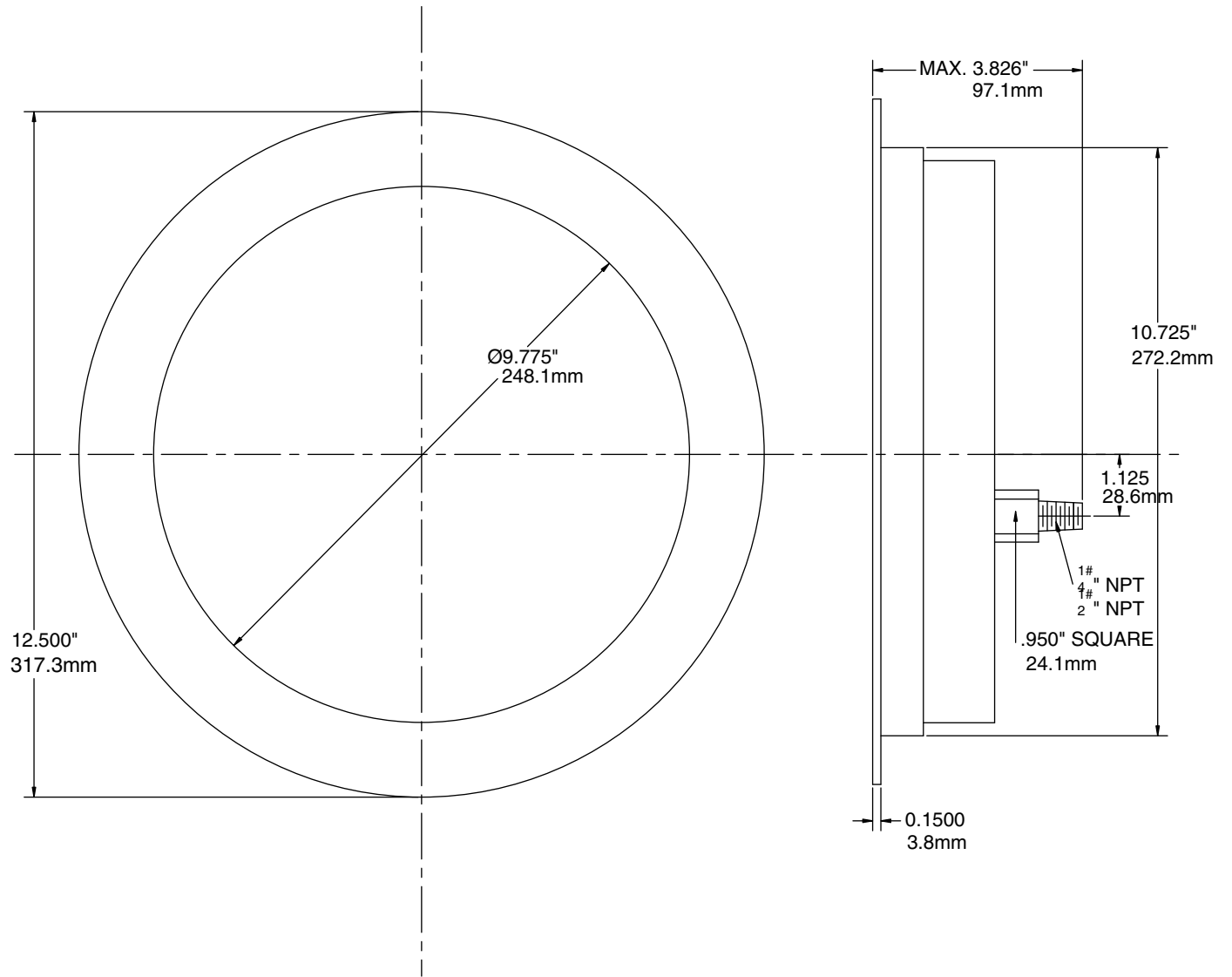
Case: Cast aluminum, painted black.

Bezel: Cast aluminum, painted black.

Lens: Polycarbonate.

Dial: Aluminum.

Tube: Brass / 316 S/S.

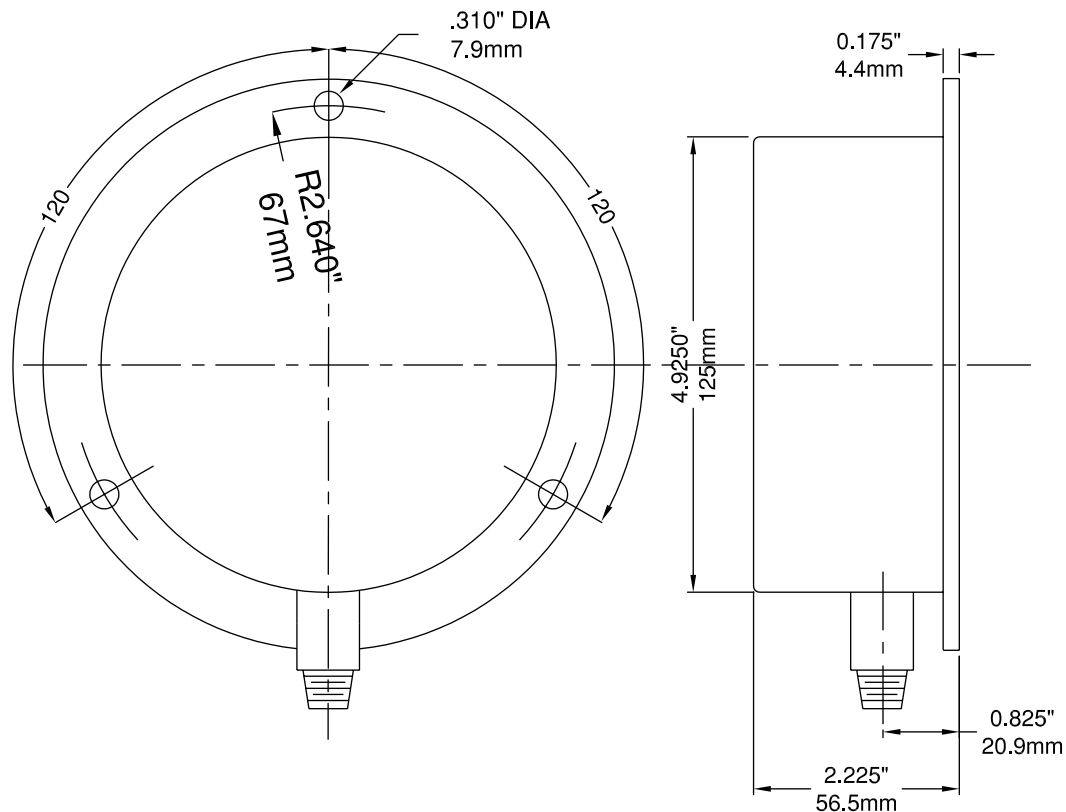


WINTERS INSTRUMENTS

DRAWN BY:	ALL DIMENSIONS IN INCHES	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional:	1/64"
	Decimal:	0.06"
APPROVED BY:	REVISION No. & DATE: APRIL 07 2002	

TITLE:
10" 300 SERIES PREMIUM GAUGE, BACK CONNECTION WITH STANDARD FRONT FLANGE
DRAWING NO: PG-300-10-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Cast aluminum, painted black.
 Bezel: Aluminum.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Brass / 316 S/S.
 Movement: Brass / 304 S/S.
 Socket: Brass / 316 S/S.
 Accuracy: +/- 0.5% 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"

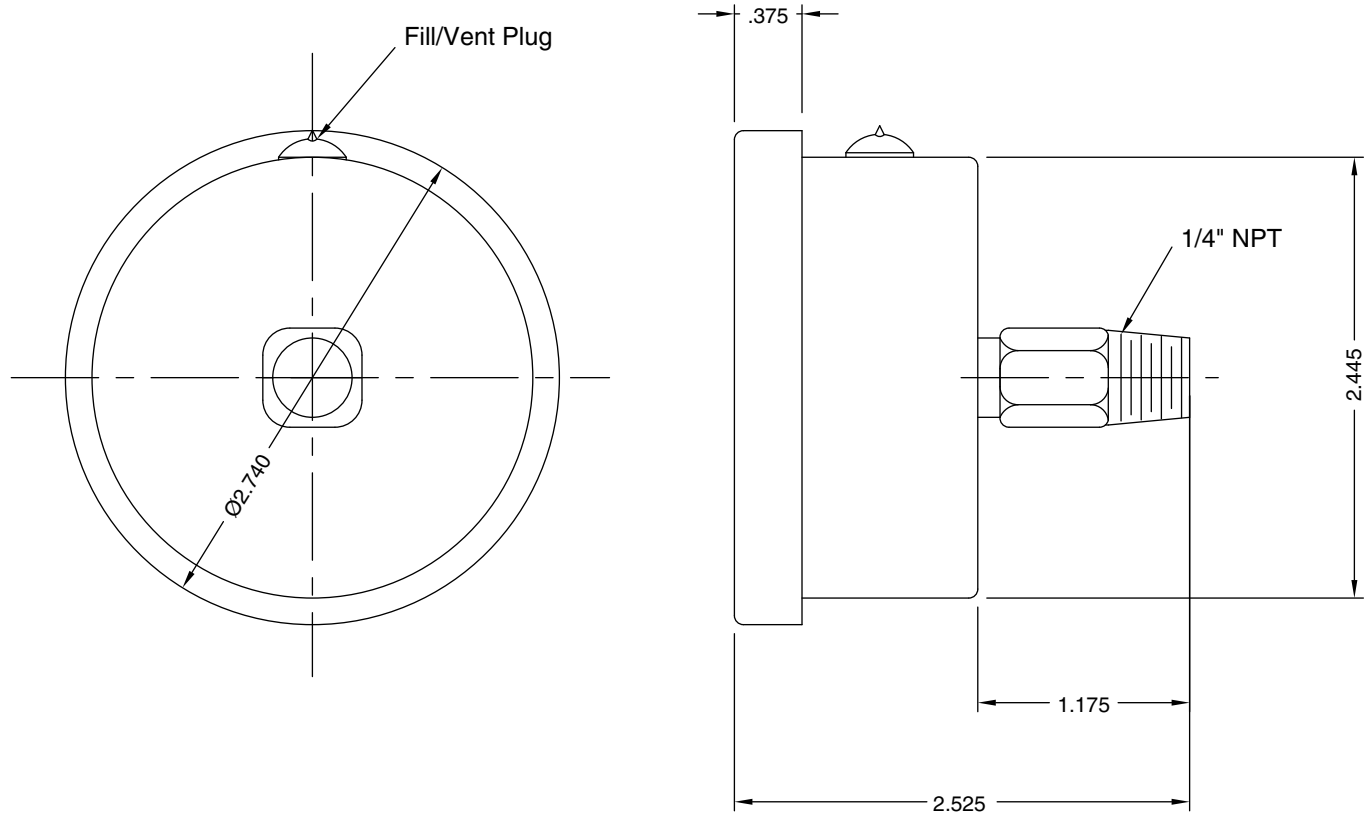
Decimal: 0.06"

REVISION No. & DATE: APR.23, 2002

TITLE:

4.5" ALTITUDE GAUGE, BOTTOM CONNECTION
WITH STANDARD BACK FLANGE

DRAWING NO: PG-ALT-4.5-BTM



1953
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. 9 2002

TITLE:

2.5" PREMIUM AMMONIA GAUGE, BACK CONNECTION

DRAWING NO: PG-AMMO-P-2.5-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: 316 S/S.

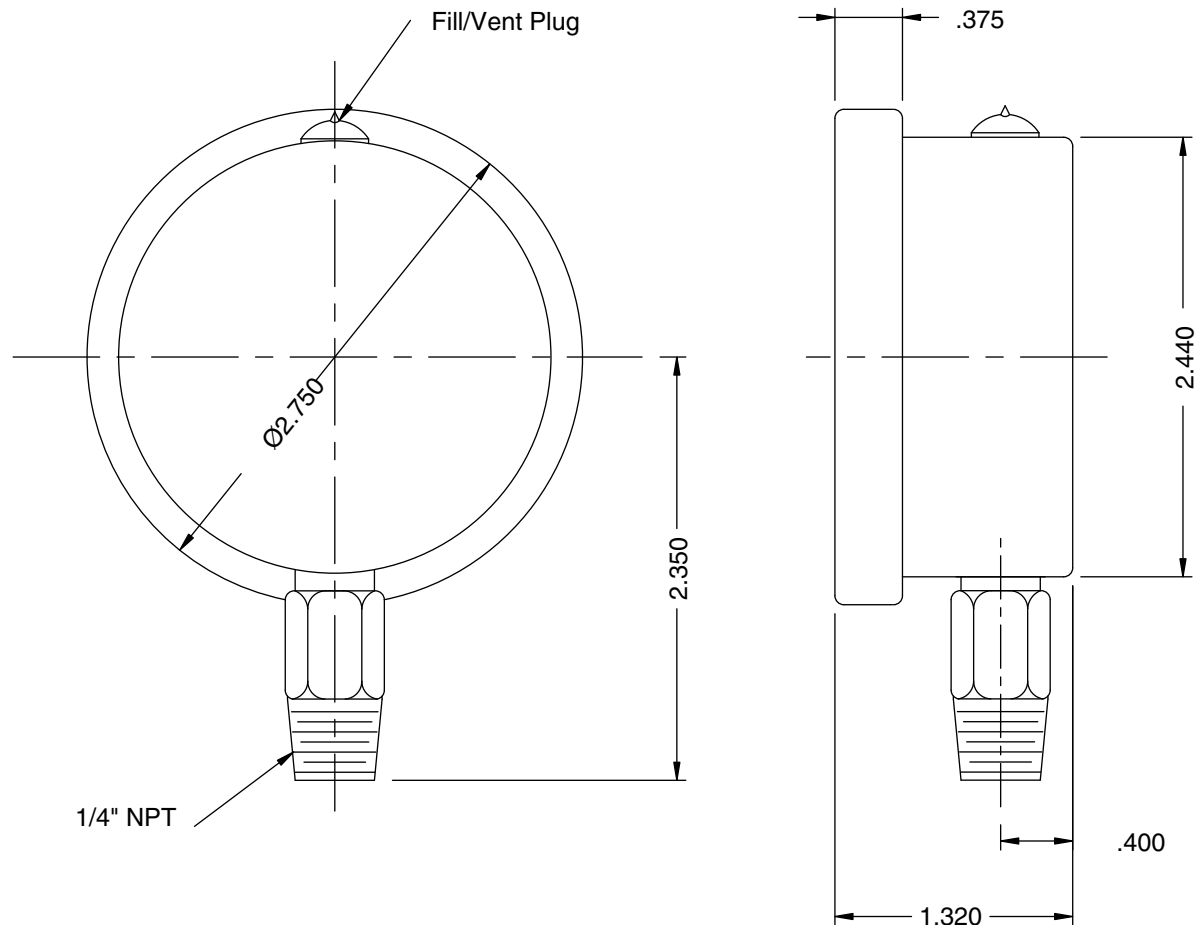
Movement: 304 S/S.

Socket: 316 S/S.

Welding: TIG.

Accuracy: 61.5% 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)

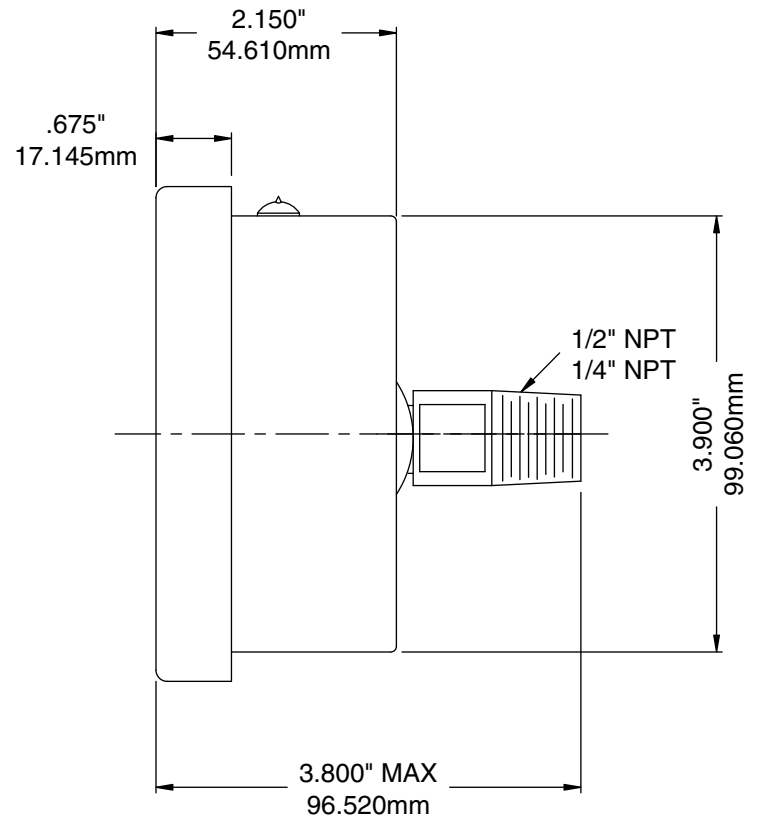
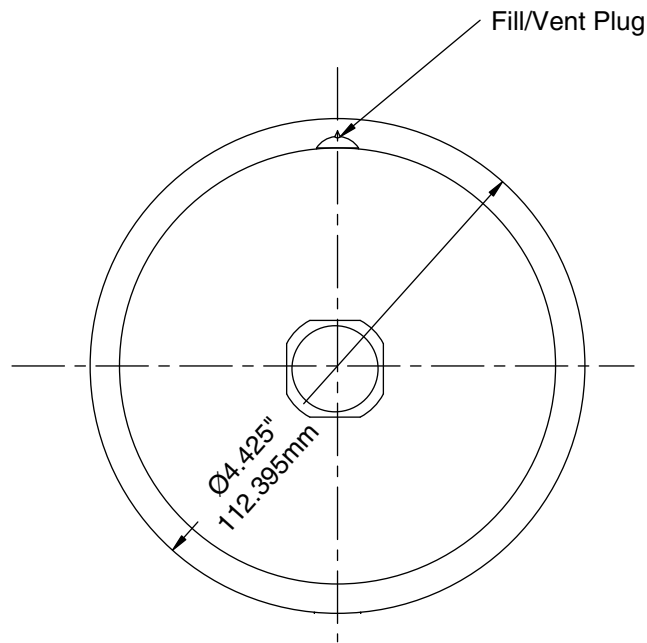
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 9 2002

TITLE:

2.5" PREMIUM AMMONIA GAUGE, BOTTOM CONNECTION

DRAWING NO: PG-AMMO-P-2.5-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

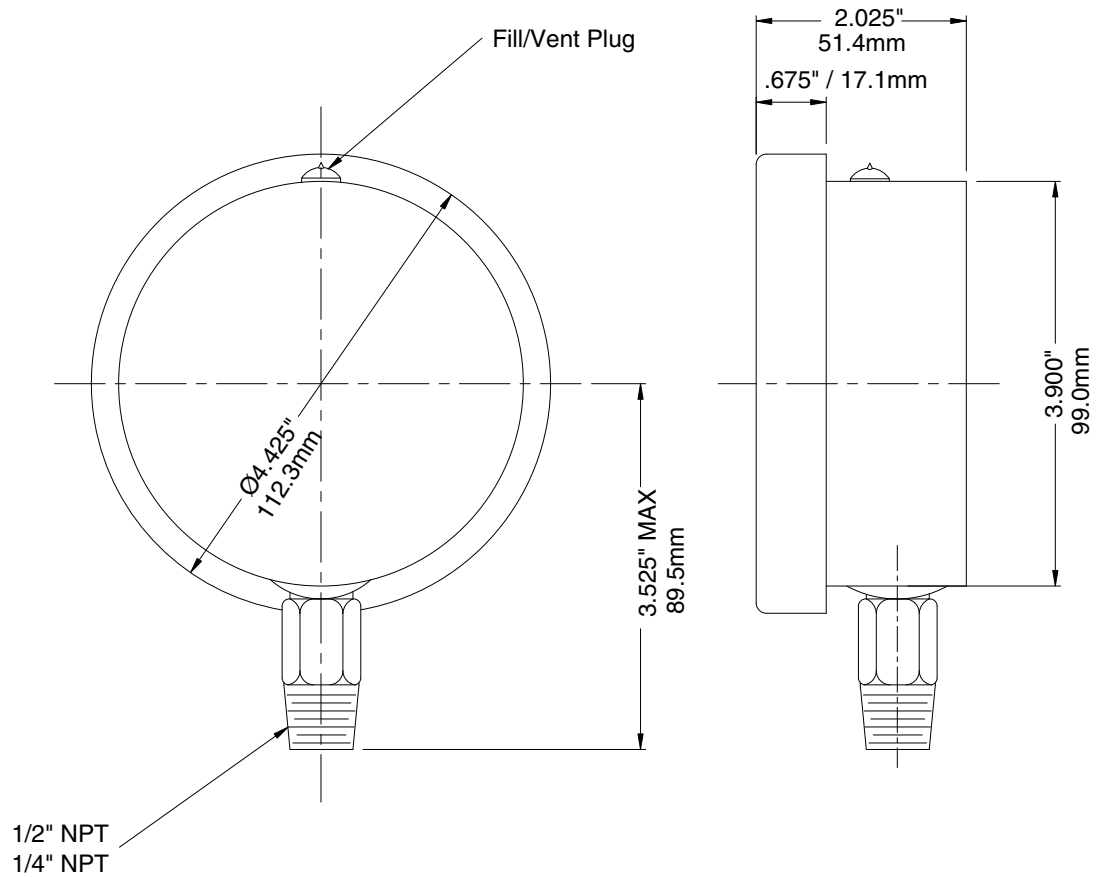
REVISION No. & DATE: APR. 9 2002

TITLE:

4" PREMIUM AMMONIA GAUGE, BACK
CONNECTION

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

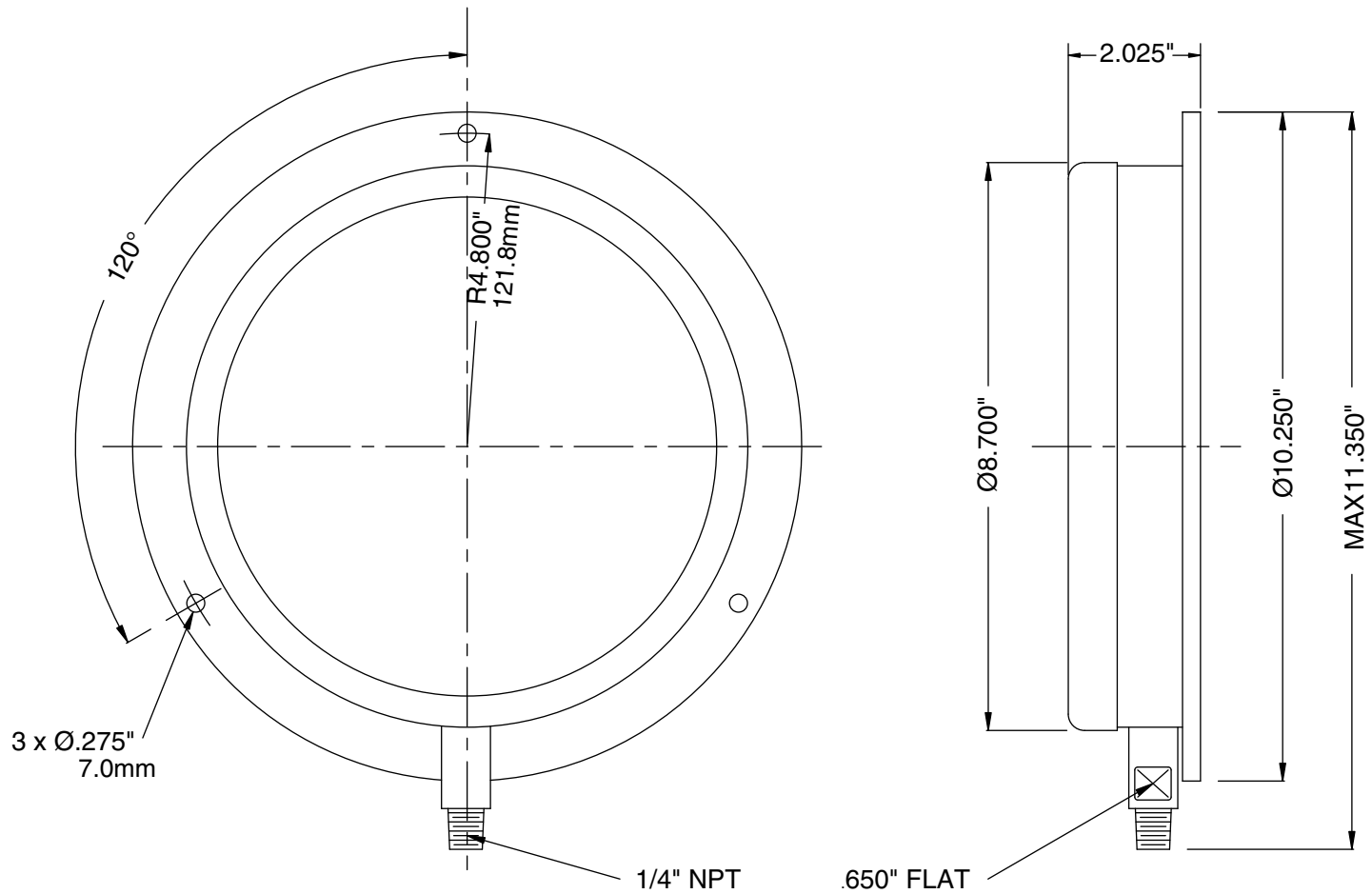
Ambient Temperature: -40°C-65°C Dry; -10°C-65°C Glycerine Filled
 Process Temperature: -40°C-65°C Dry; -10°C-65°C Glycerine Filled
 Case: 304 S/S
 Bezel: 304 S/S
 Lens: Polycarbonate
 Dial: Aluminum
 Tube: 316 S/S
 Movement: 304 S/S
 Socket: 316 S/S
 Welding: TIG
 Accuracy: ±1%
 Enclosure: IP65



WINTERS INSTRUMENTS

DRAWN BY:	ALL DIMENSIONS IN INCHES	TITLE:
CHECKED BY:	TOLERANCES (unless otherwise stated)	4" AMMONIA GAUGE, BOTTOM CONNECTION
ENG. APPROVAL:	Fractional: 1/64"	
	Decimal: 0.06"	
APPROVED BY:	REVISION No. & DATE:	DRAWING NO: PG-AMMO-P-4-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Cast aluminum, painted black.
 Bezel: Polished stamped aluminum.
 Lens: Plexiglass.
 Dial: Aluminum.
 Tube: 316 Stainless steel.
 Movement: 316 Stainless steel.
 Socket: 316 Stainless steel.
 Accuracy: +/- 0.5% 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"

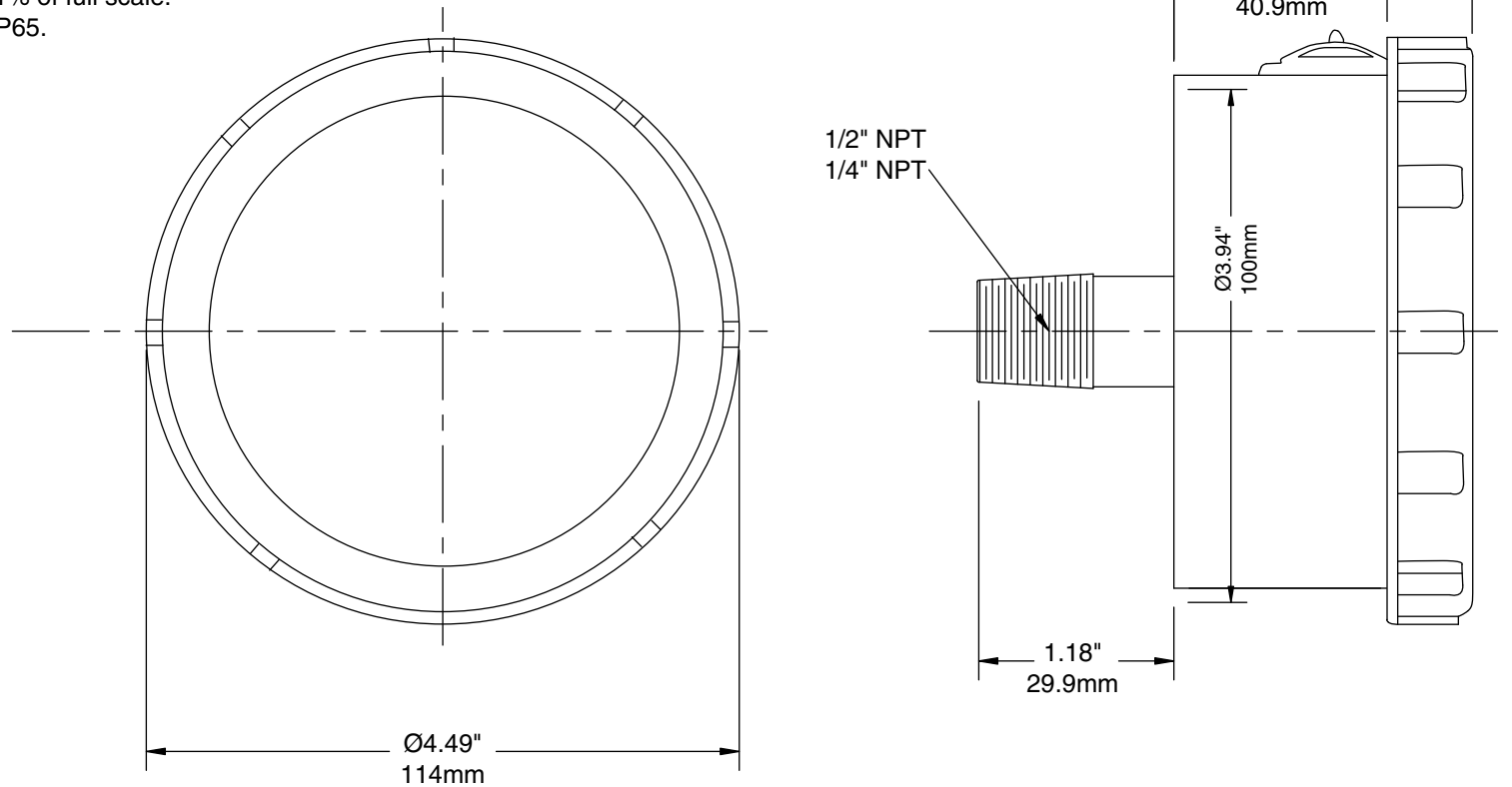
REVISION No. & DATE: APR. 13, 2002

TITLE:

8.5" PREMIUM AMMONIA GAUGE, BOTTOM
CONNECTION WITH BACK FLANGE

DRAWING NO: PG-AMMO-8.5-BTM

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: P.B.T.
 Bezel: P.B.T.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: 316 S/S; Ph Bz
 Movement: 304 S/S; Brass
 Socket: 304 S/S; Brass
 Welding: TIG; Silver Alloy
 Accuracy: 61% 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"

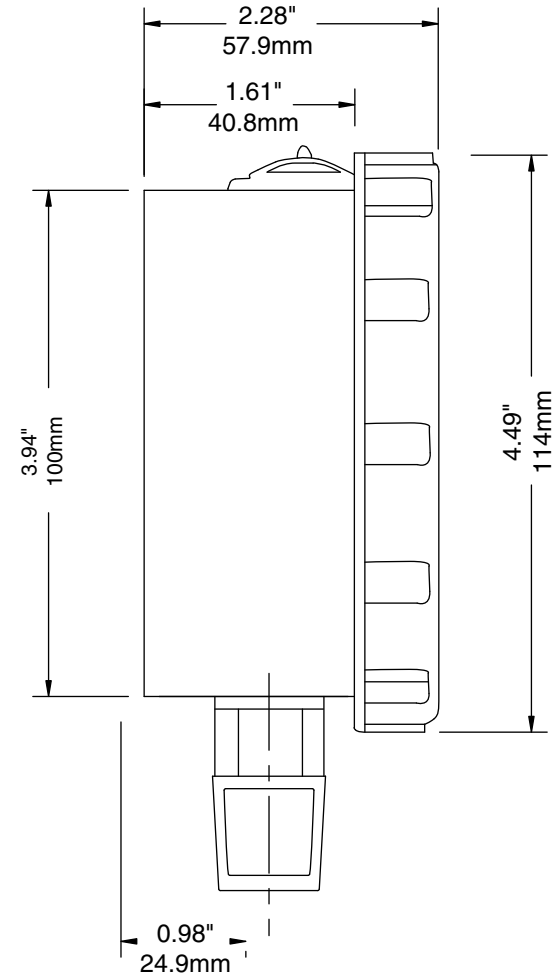
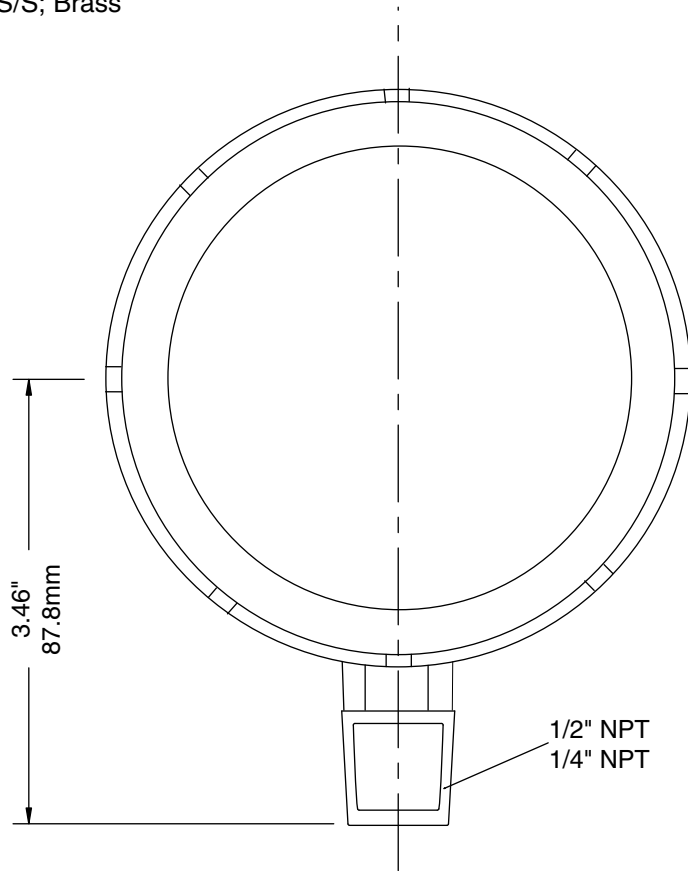
REVISION No. & DATE: APR. 13, 2002

TITLE:

4" COLOR CODED PREMIUM GAUGE, BACK CONNECTION

DRAWING NO: PG-CC-4-BK

Ambient Temperature: -40°C-65°C Dry; -10-65°C Glycerine Filled
 Process Temperature: -40°C-65°C Dry; -10-65°C Glycerine Filled
 Case: PBT
 Bezel: PBT
 Lens: Polycarbonate
 Dial: Aluminum
 Tube: 316 S/S; Ph Bz
 Movement: 304 S/S; Brass
 Socket: 304 S/S; Brass

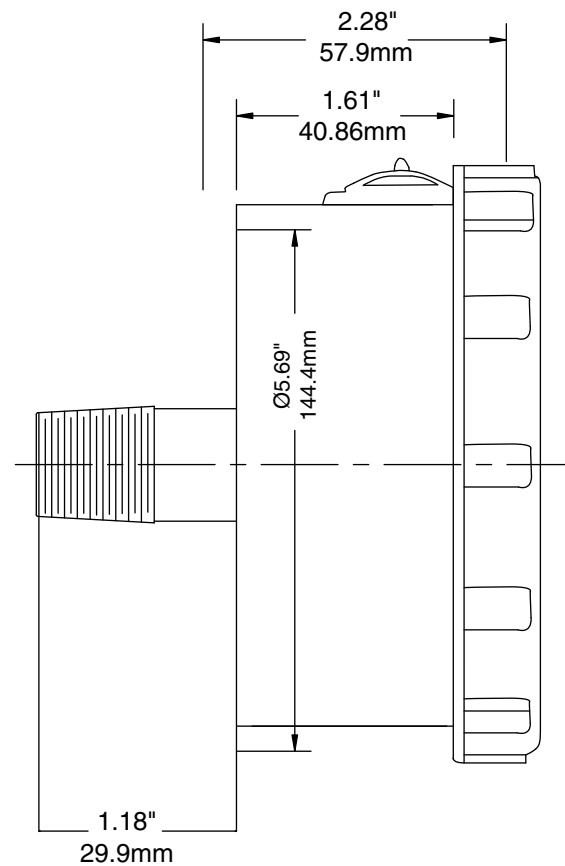
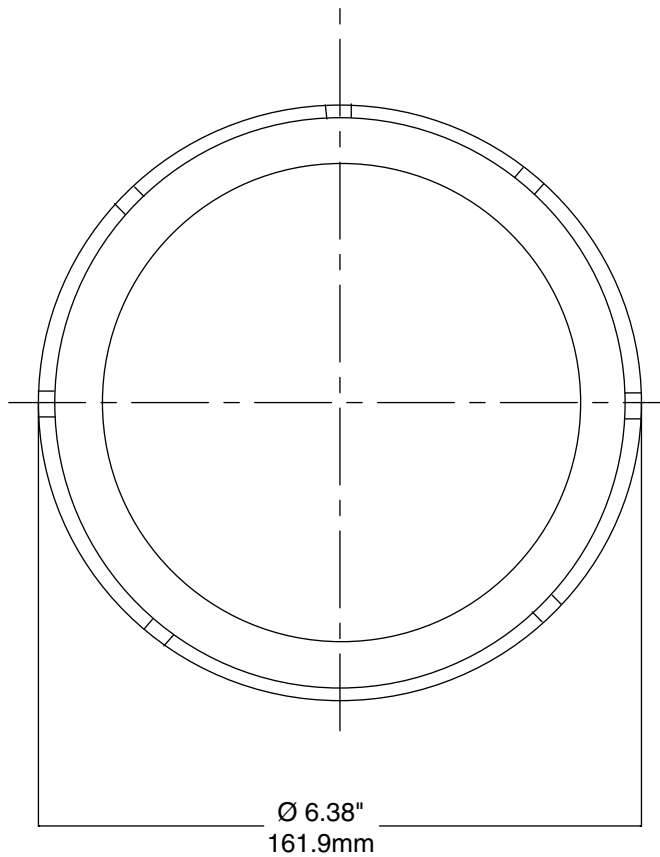


WINTERS INSTRUMENTS

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:

TITLE:
 4" COLOR CODED PREMIUM GAUGE,
 BOTTOM CONNECTION
 DRAWING NO: PG-CC-4-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"

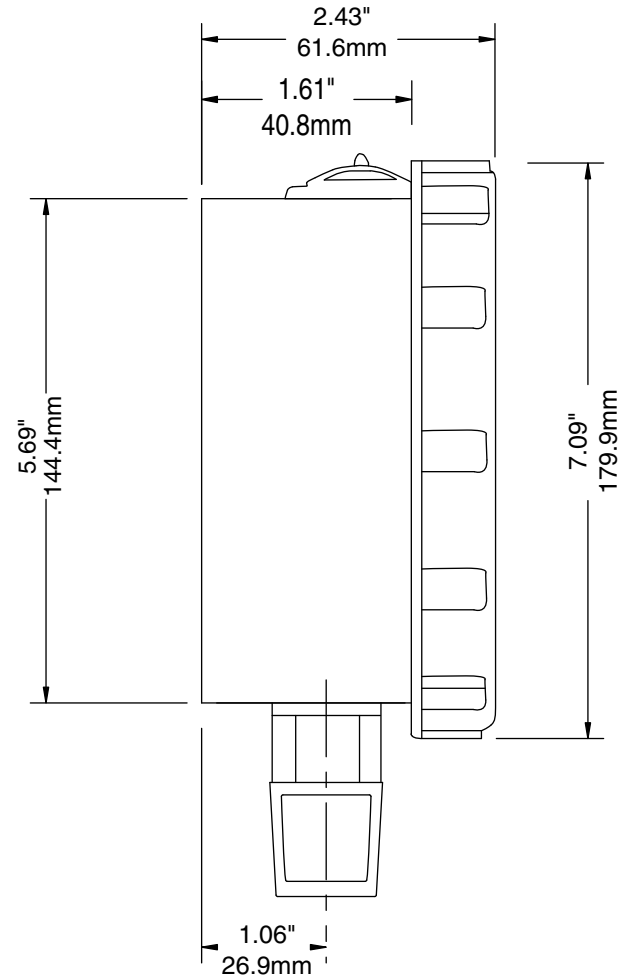
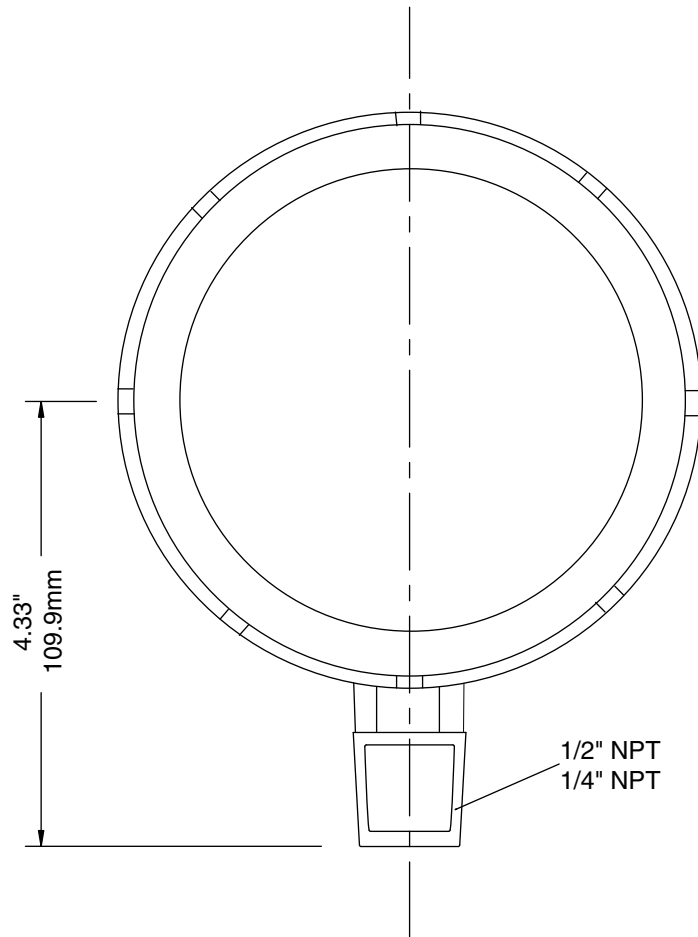
REVISION No. & DATE: APR. 13, 2002

TITLE:

6" COLOR CODED PREMIUM GAUGE, BACK CONNECTION

DRAWING NO: PG-CC-6-BK

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: PBT
 Bezel: PBT
 Lens: Polycarbonate
 Dial: Aluminum
 Tube: 316 S/S; Ph Bz
 Movement: 304 S/S; Brass
 Socket: 304 S/S; Brass
 Welding: TIG; Silver Alloy
 Accuracy: 61%
 Enclosure: IP65



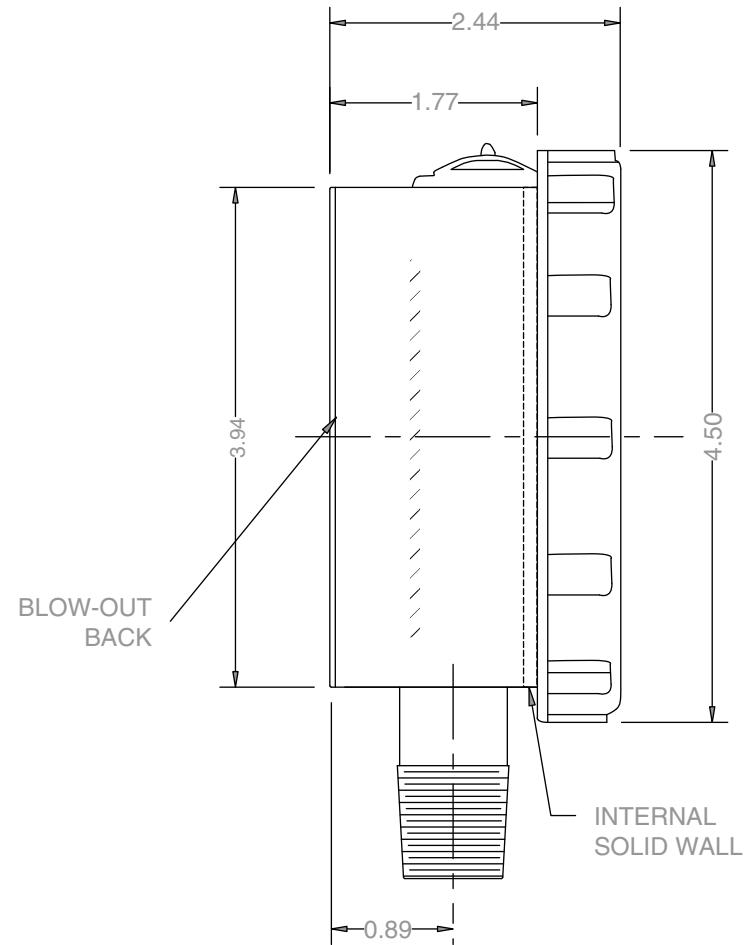
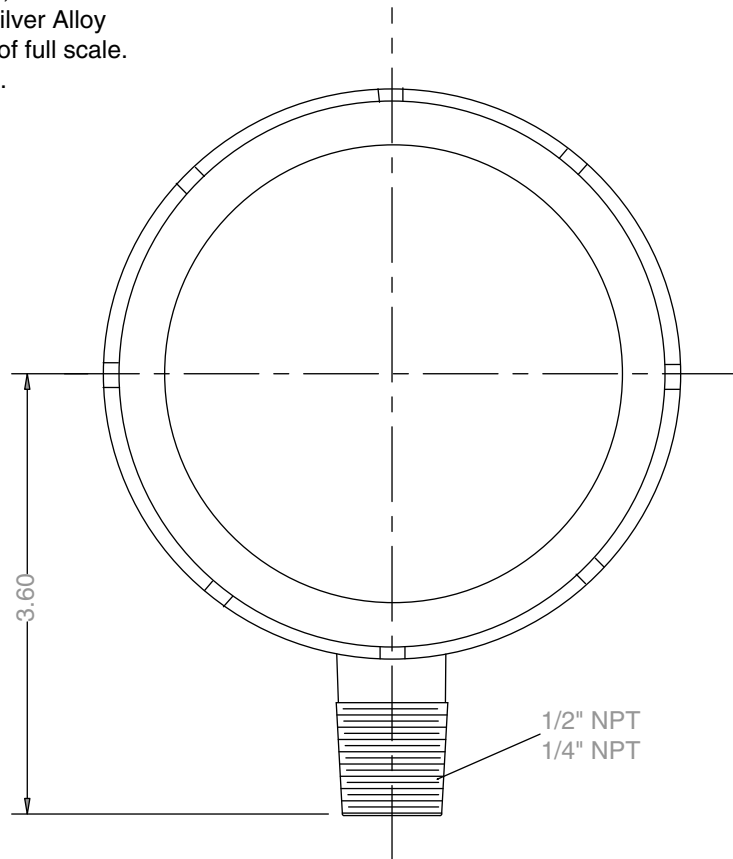
WINTERS INSTRUMENTS

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:

TITLE:
 6" COLOR CODED PREMIUM GAUGE,
 BOTTOM CONNECTION
 DRAWING NO: PG-CC-6-BTM

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: P.B.T.
 Bezel: P.B.T.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: 316 S/S; Ph Bz
 Movement: 304 S/S; Brass
 Socket: 304 S/S; Brass
 Welding: TIG; Silver Alloy
 Accuracy: 61% 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"

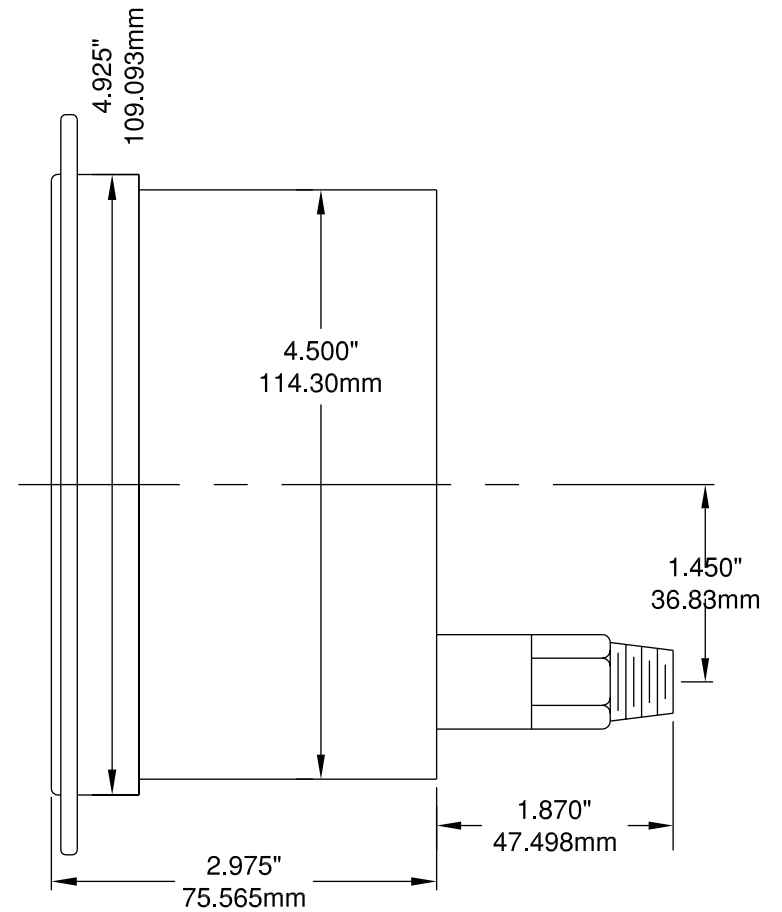
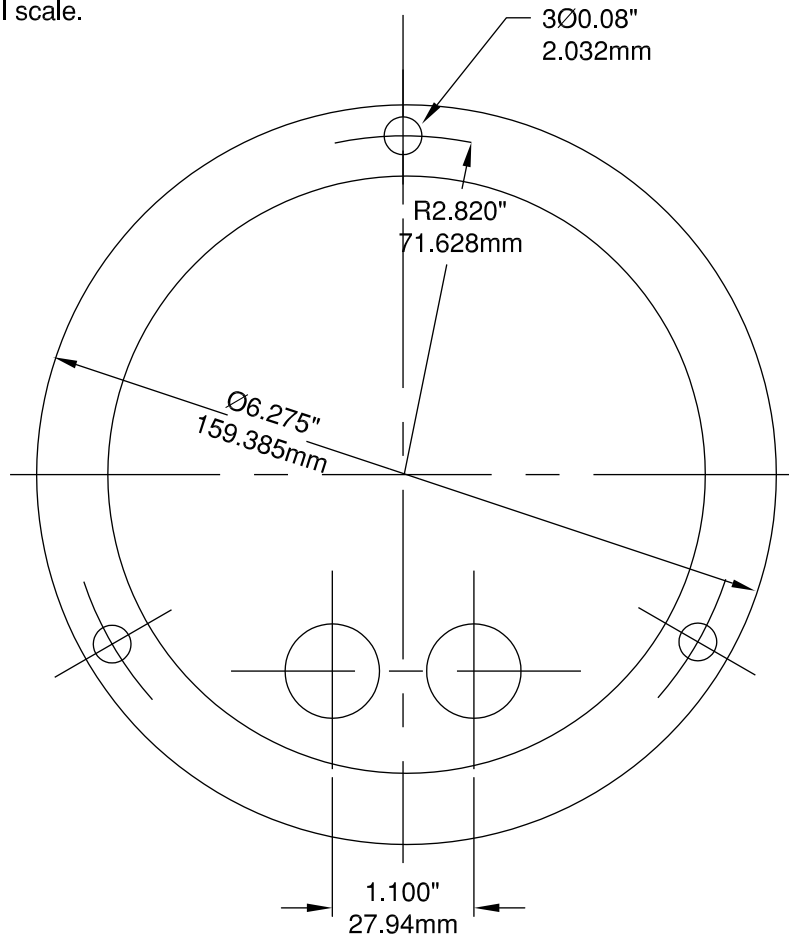
REVISION No. & DATE: APR.13, 2002

TITLE:

4" COLOUR CODED PREMIUM GAUGE, SAFETY CASE,
BOTTOM CONNECTION

DRAWING NO: PG-CC-SC-4-BTM

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Cast aluminum, painted black.
 Bezel: Aluminum.
 Lens: Glass.
 Dial: Aluminum.
 Tube: Brass / 316 S/S.
 Movement: Brass / 304 S/S.
 Socket: Brass / 316 S/S.
 Accuracy: +/- 1% of full scale.
 Enclosure: IP52.



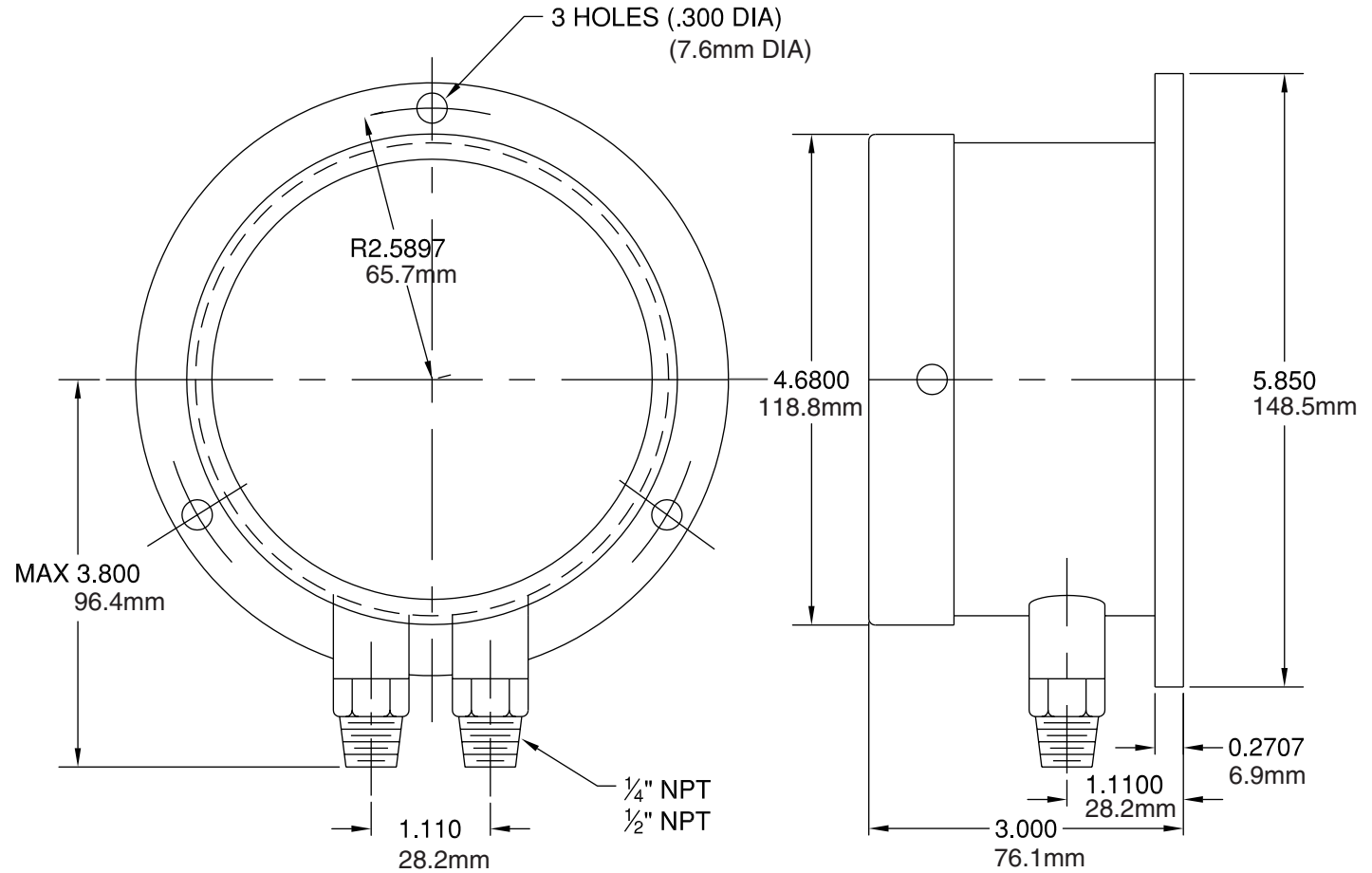
WINTERS INSTRUMENTS

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: APRIL 28 2002

TITLE:
**4.5" DIFFERENTIAL GAUGE, BACK CONNECTION
 WITH STANDARD FRONT FLANGE**
 DRAWING NO: PG-DIFF-4.5-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Cast aluminum, painted black.
 Bezel: Polished stamped aluminum.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Tube: Brass / 316 S/S.
 Movement: Brass / 304 S/S.
 Socket: Brass / 316 S/S.
 Accuracy: +/- 1% of full scale.
 Enclosure: IP52.



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: APRIL 07 2002

TITLE:
**4.5" DIFFERENTIAL GAUGE, BOTTOM CONNECTION
 WITH STANDARD BACK FLANGE**

DRAWING NO: PG-DIFF-4.5-BTM

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

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

Case: Cast aluminum, painted black.

Bezel: Aluminum.

Lens: Glass.

Dial: Aluminum.

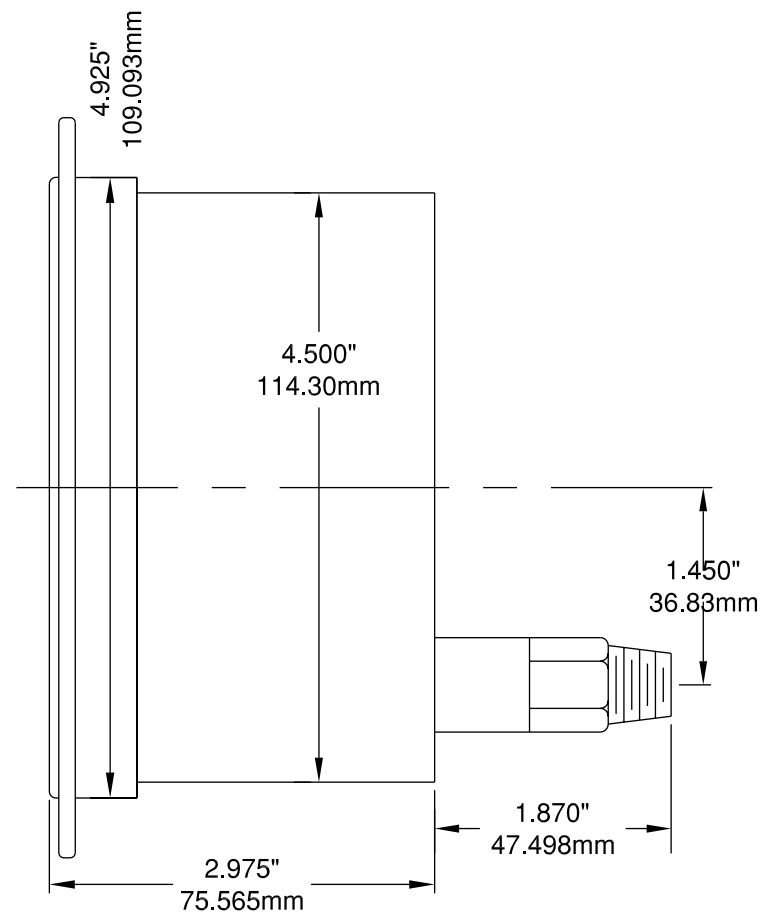
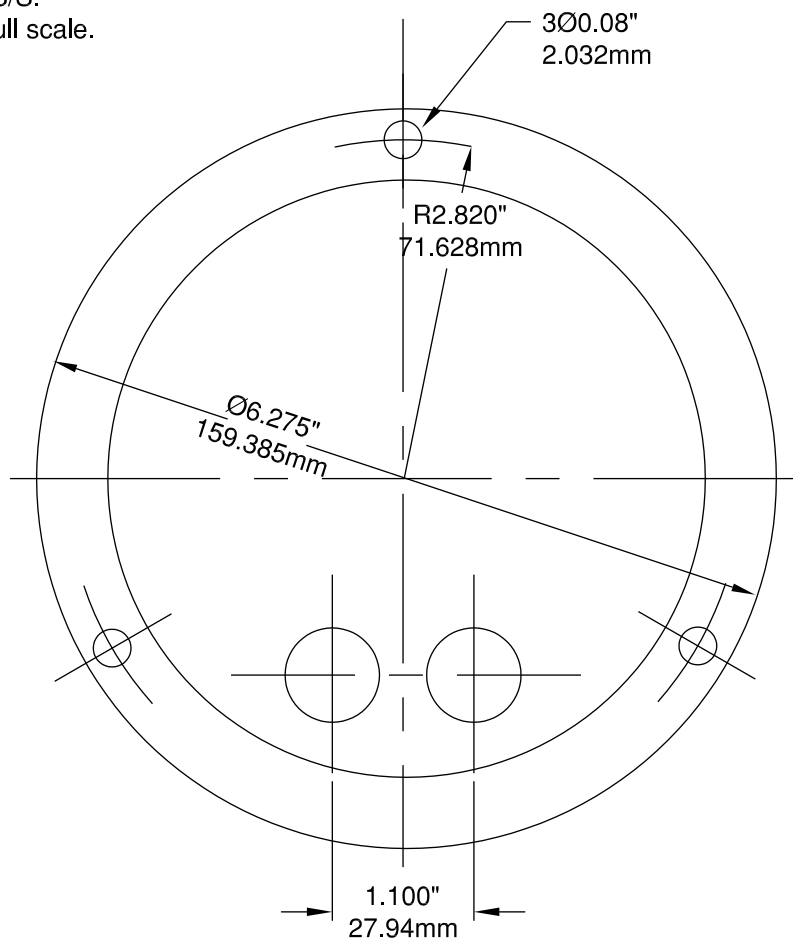
Tube: Brass / 316 S/S.

Movement: Brass / 304 S/S.

Socket: Brass / 316 S/S.

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)

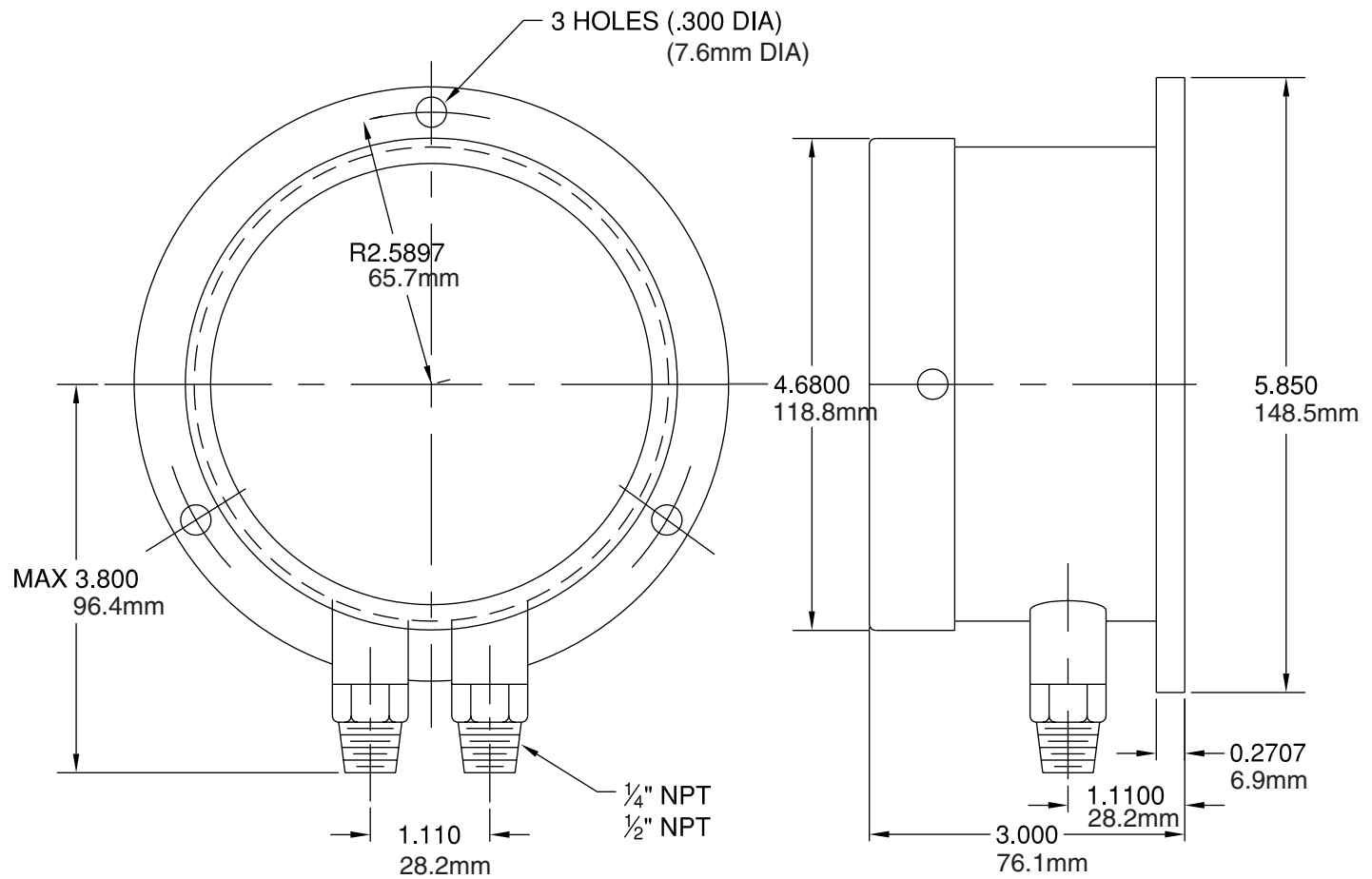
Fractional:	1/64"	.4mm
Decimal:	0.06"	1.5mm

REVISION No. & DATE: APRIL 28 2002

TITLE:

4.5" DUPLEX GAUGE, BACK CONNECTION WITH
STANDARD FRONT FLANGE

DRAWING NO: PG-DIFF-4.5-BK



WINTERS INSTRUMENTS

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

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

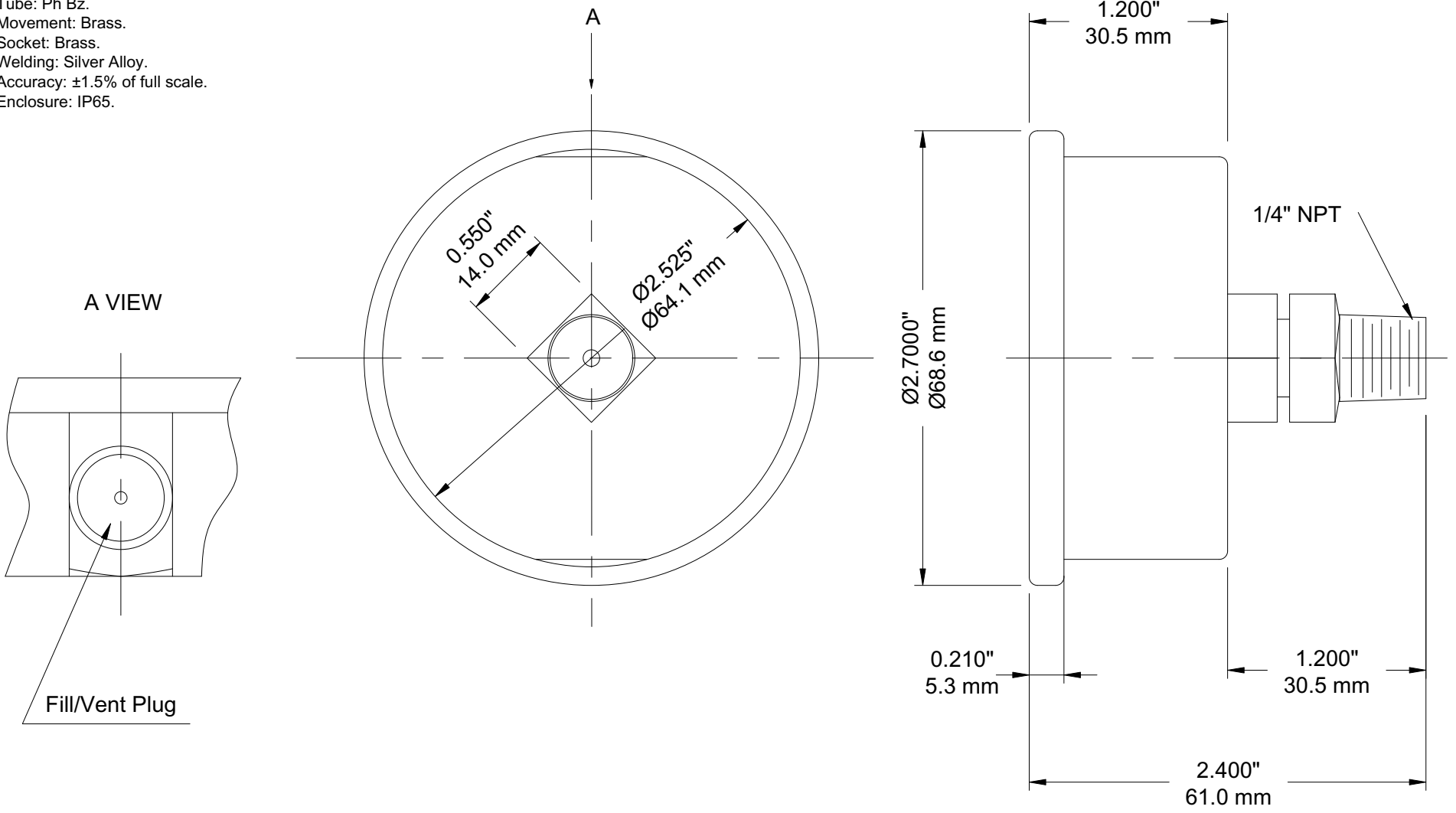
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APRIL 07 2002

TITLE:
4.5" DUPLEX GAUGE, BOTTOM CONNECTION WITH
STANDARD BACK FLANGE

DRAWING NO: PG-DUP-4.5-BTM

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: Brass.
 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.

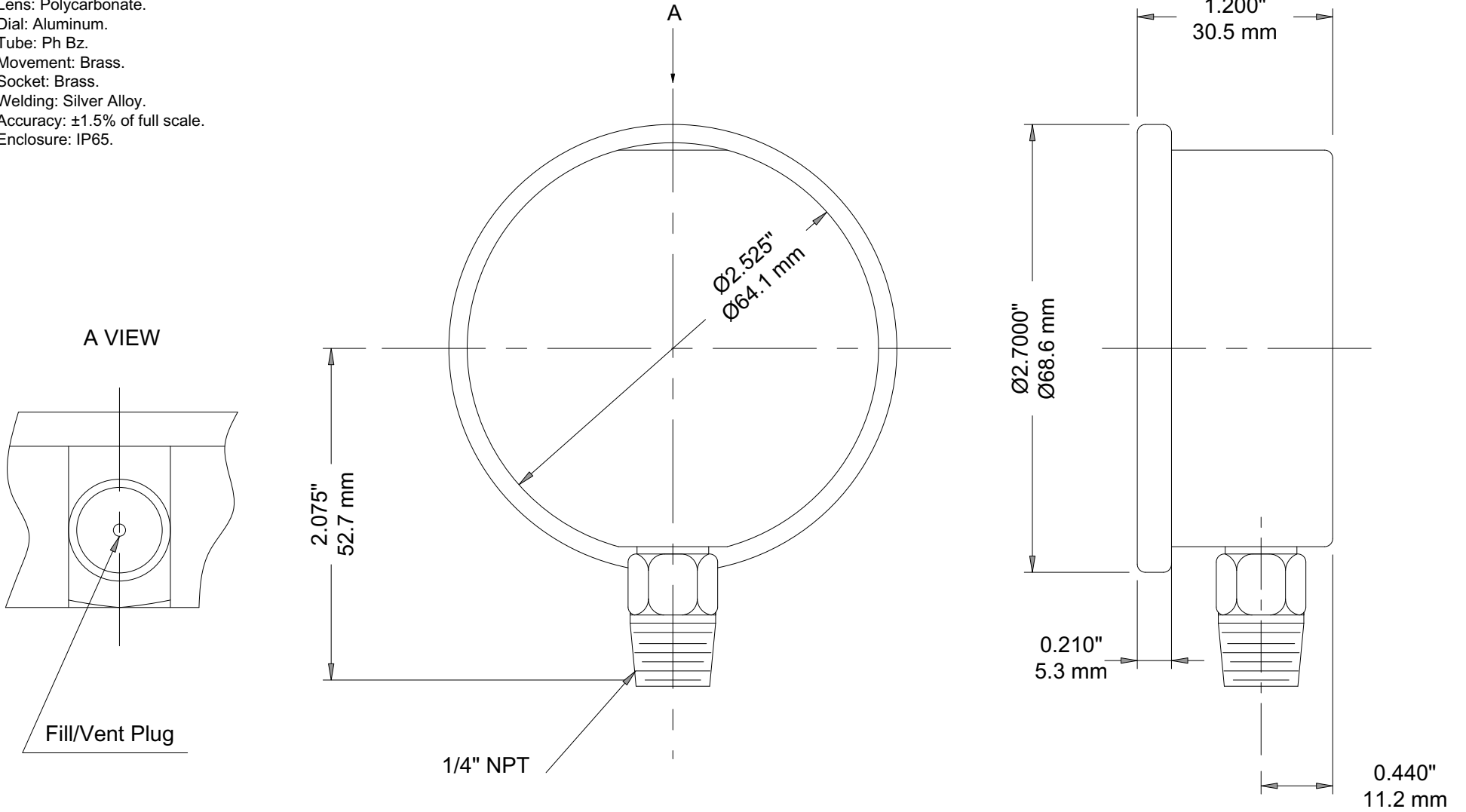


WINTERS INSTRUMENTS

DRAWN BY: E.H.	ALL DIMENSIONS IN INCHES	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional:	1/64" 0.4 mm
	Decimal:	0.06" 1.5 mm
APPROVED BY:	REVISION No. & DATE: (1) Dec. 02, 02	

TITLE:
2.5" FBC GAUGE, BACK CONNECTION
DRAWING NO: PG-FBC-2.5"-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: Brass.
 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

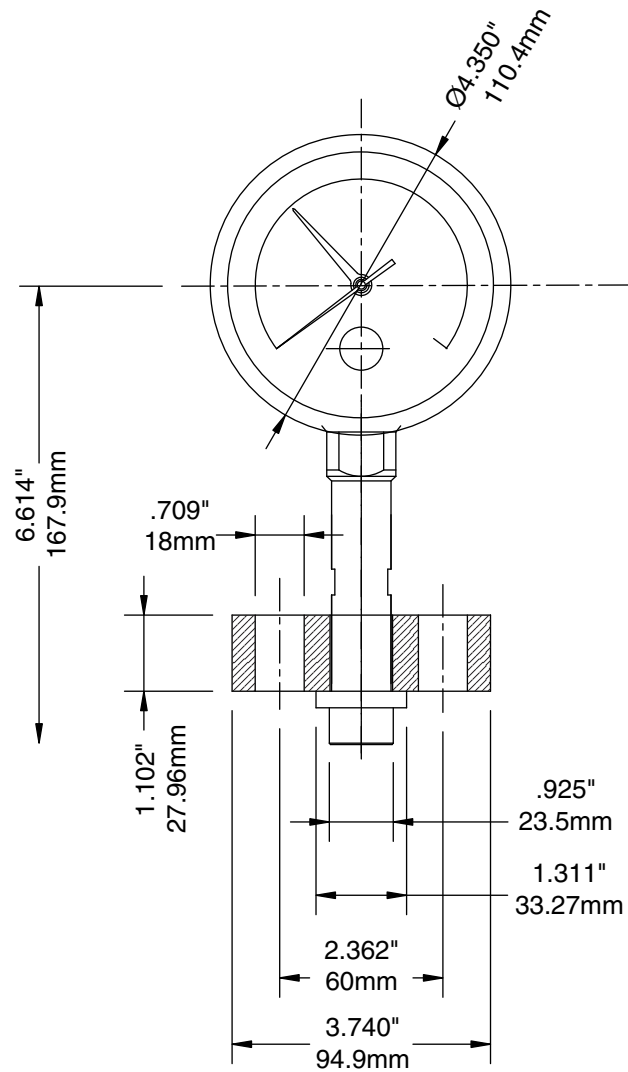
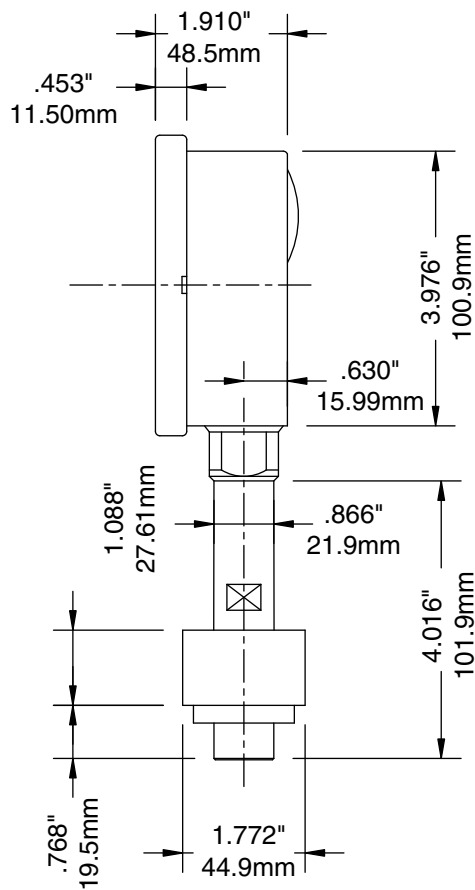
DRAWN BY: E.H.
 CHECKED BY:
 ENG. APPROVAL:
 APPROVED BY:

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)

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

REVISION No. & DATE: (1) Dec. 02, 02

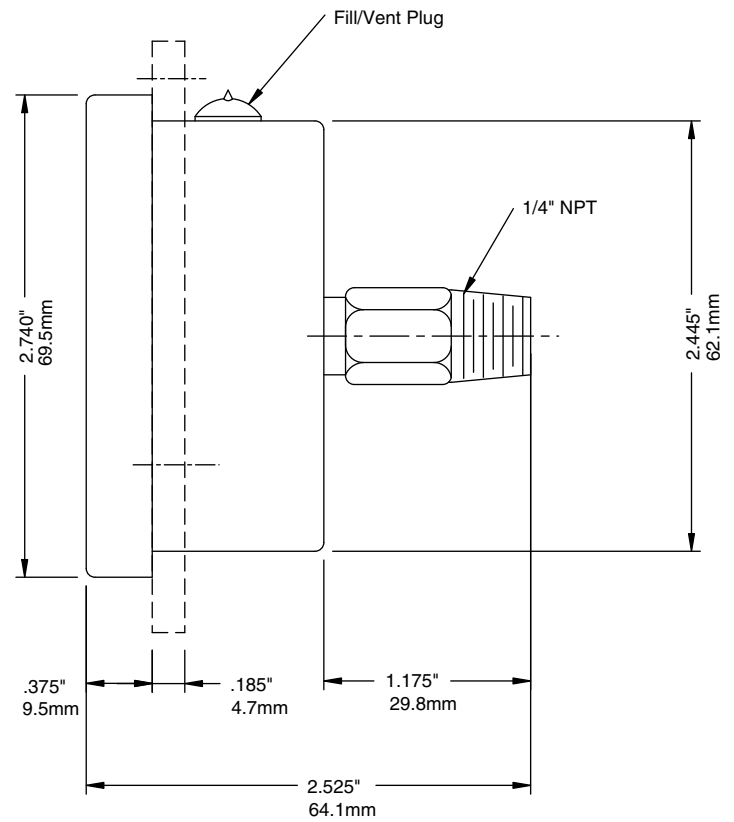
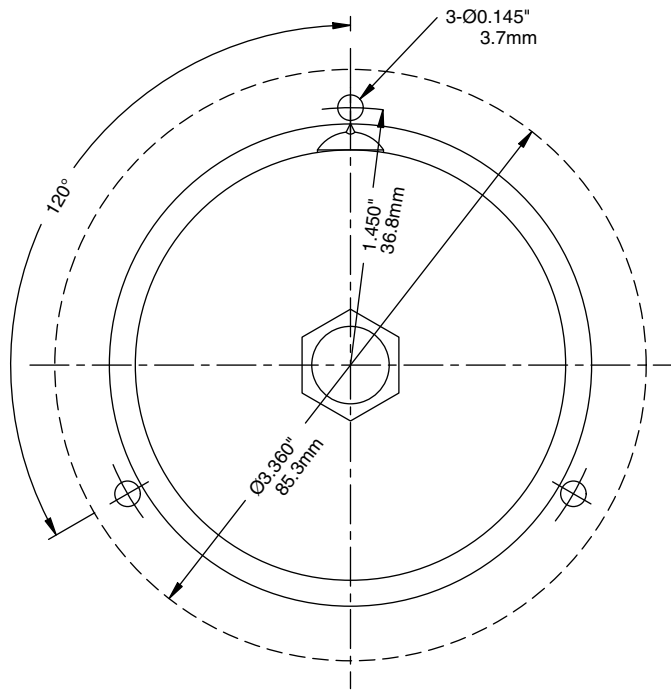
TITLE:
 2.5" FBC GAUGE, BOTTOM CONNECTION
 DRAWING NO: PG-FBC-2.5"-BTM



WINTERS INSTRUMENTS

DRAWN BY: E. H.	ALL DIMENSIONS IN INCHES	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional:	1/64"
APPROVED BY:	Decimal:	0.06"
	REVISION No. & DATE: APR. 17, 2002	

TITLE: 4" HOMOGENIZER GAUGE
DRAWING NO: PG-HOMO-4



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional: 1/64"

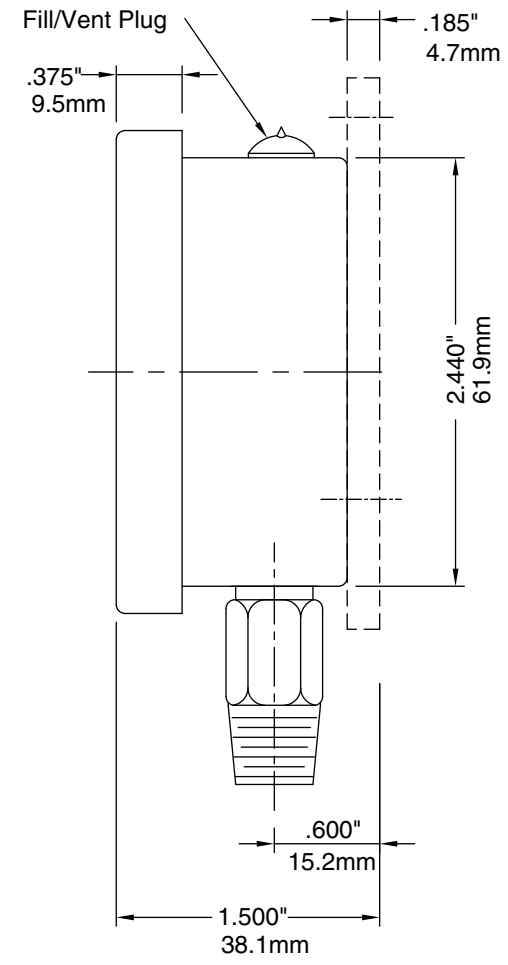
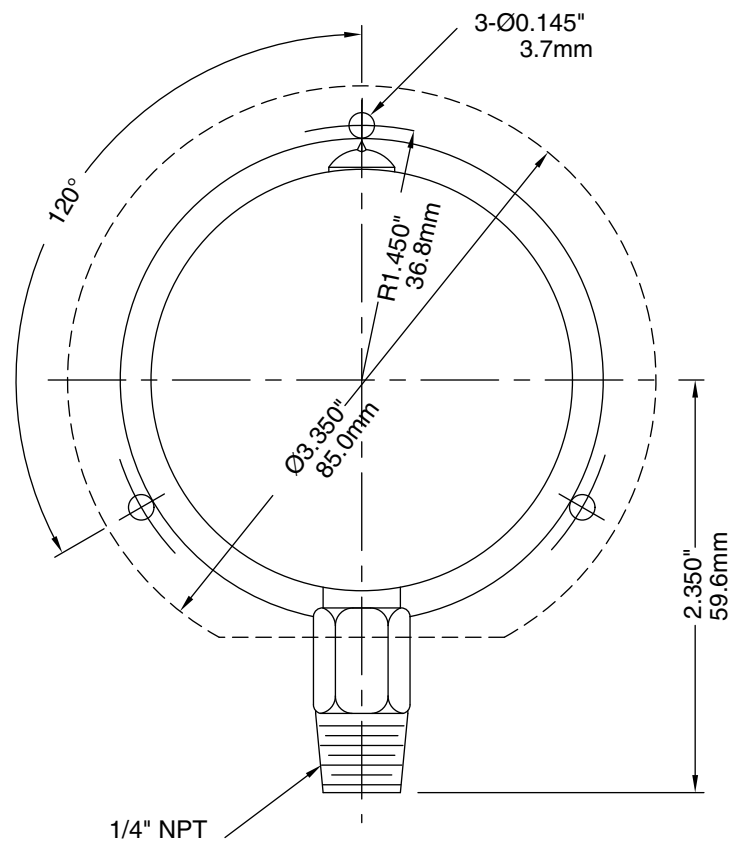
Decimal: 0.06"

REVISION No. & DATE: APR. 9 2002

TITLE:

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

DRAWING NO: PG-LF-2.5-BK



WINTERS INSTRUMENTS

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

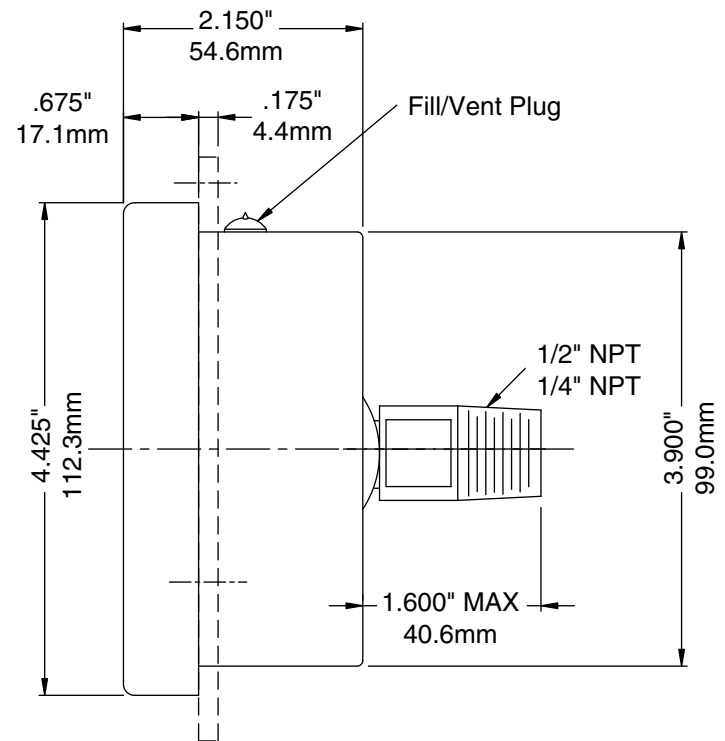
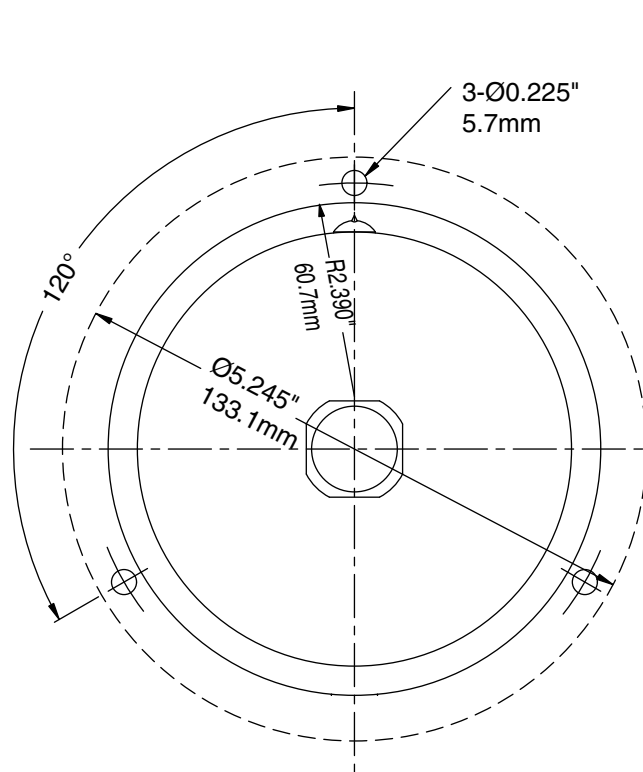
ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 9 2002

TITLE:
 2.5" LF SERIES PREMIUM GAUGE, BOTTOM
 CONNECTION WITH BACK FLANGE OPTION

DRAWING NO: PG-LF-2.5-BTM



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

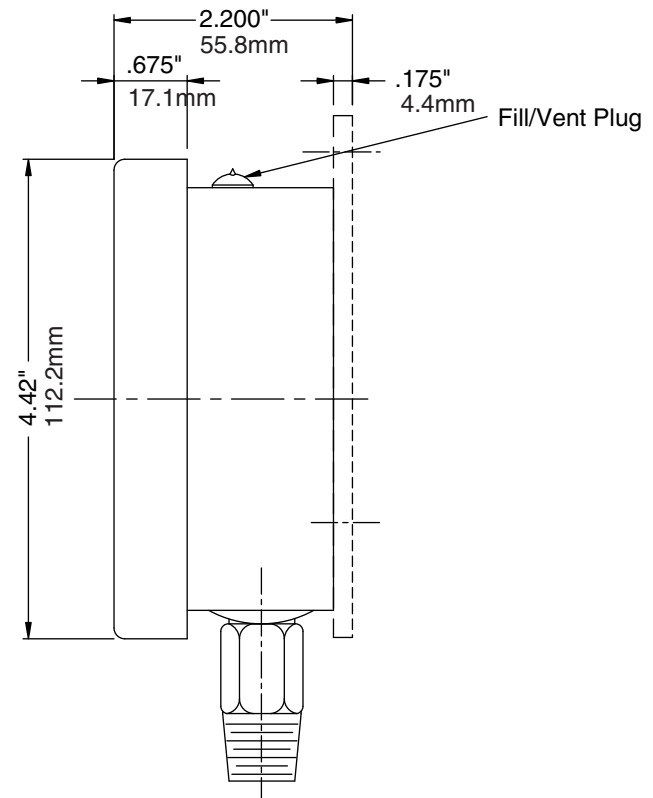
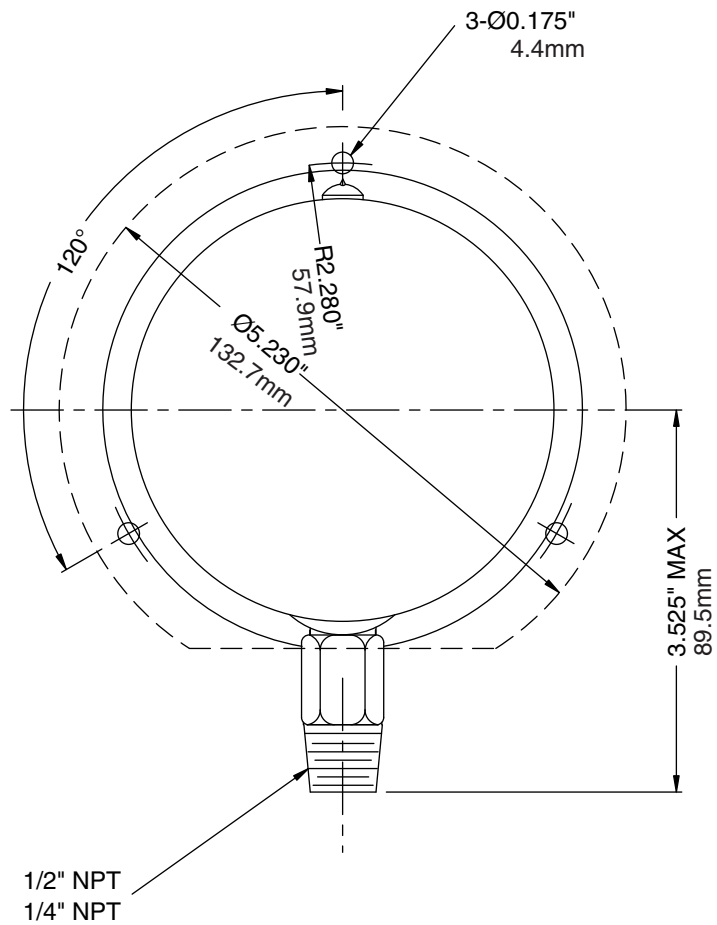
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APR. 9 2002

TITLE:

4" LF SERIES PREMIUM GAUGE, BACK
CONNECTION WITH FRONT FLANGE OPTION

DRAWING NO: PG-LF-4-BK

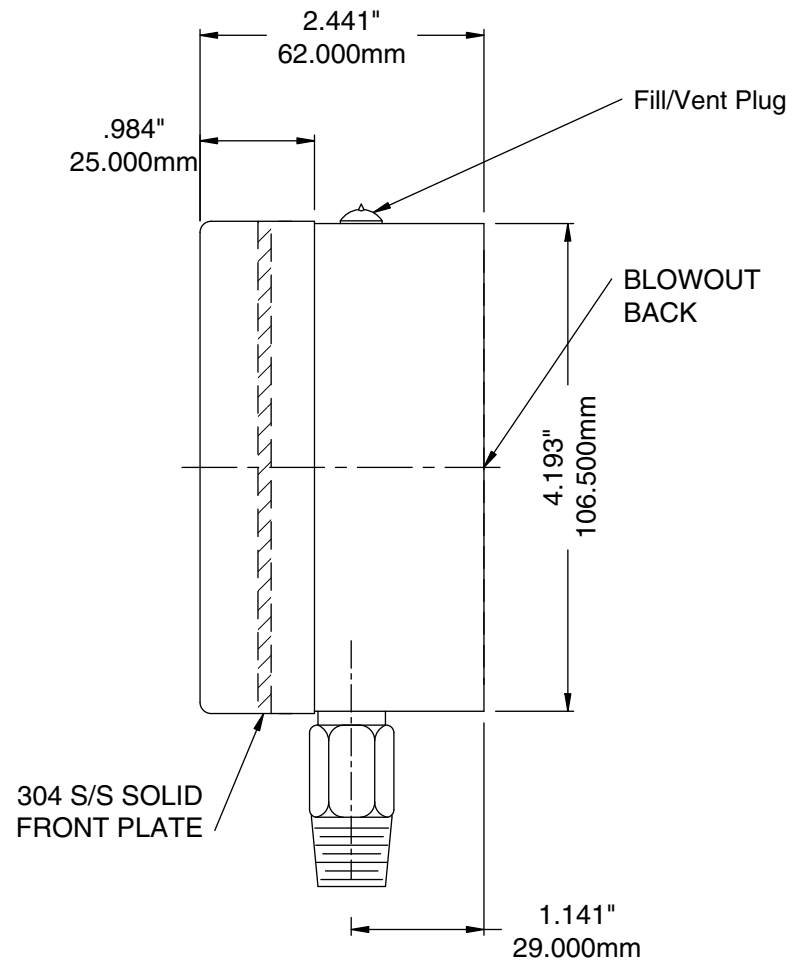
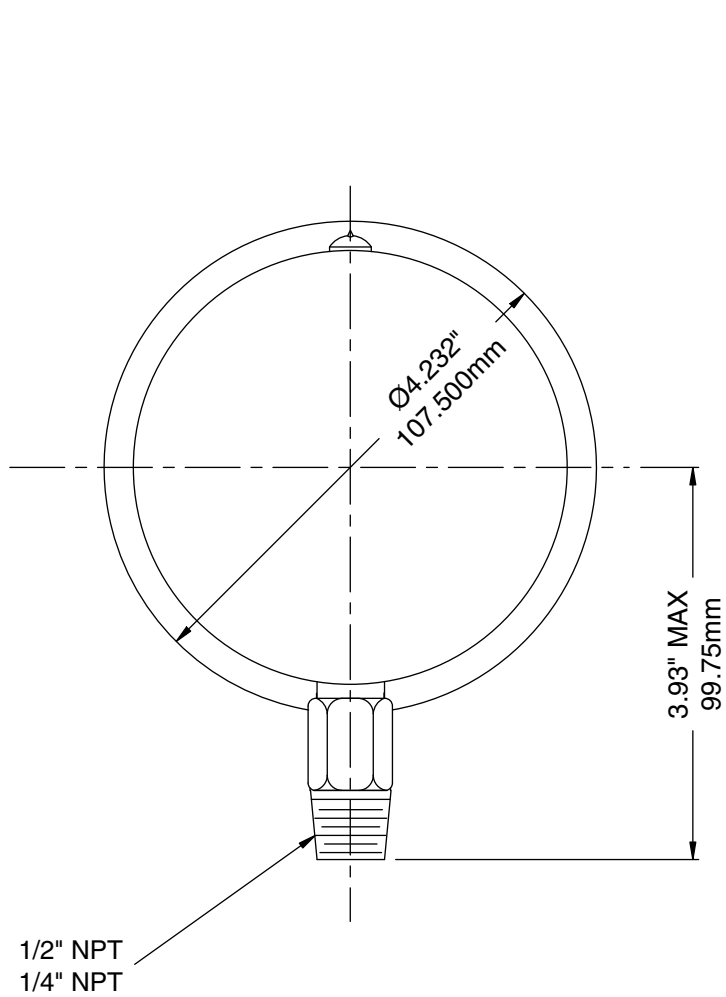


WINTERS INSTRUMENTS

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:

TITLE:
4" LF SERIES PREMIUM GAUGE,
BOTTOM CONNECTION, BACK FLANGE OPTION
DRAWING NO: PG-LF-4-BTM



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

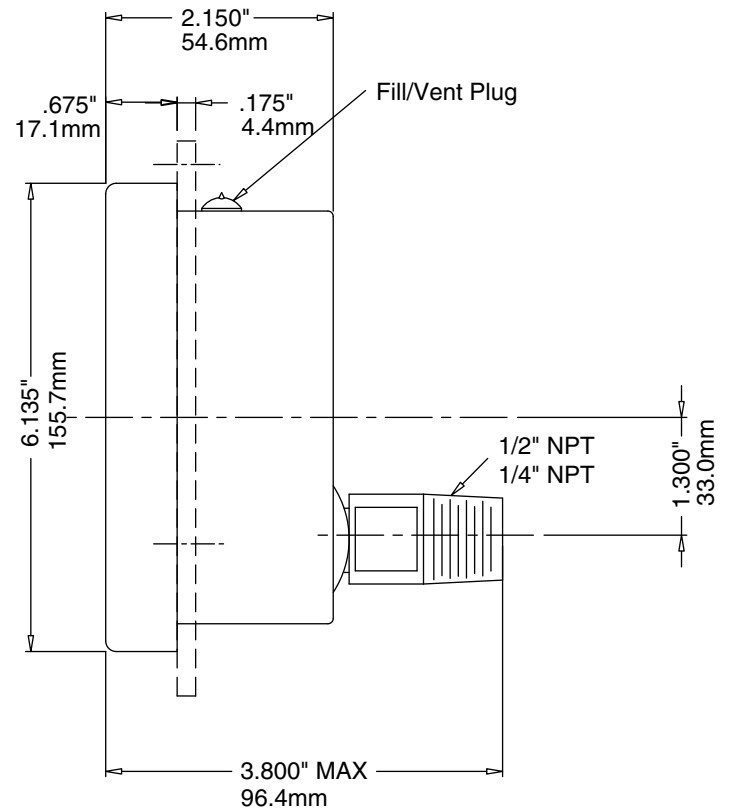
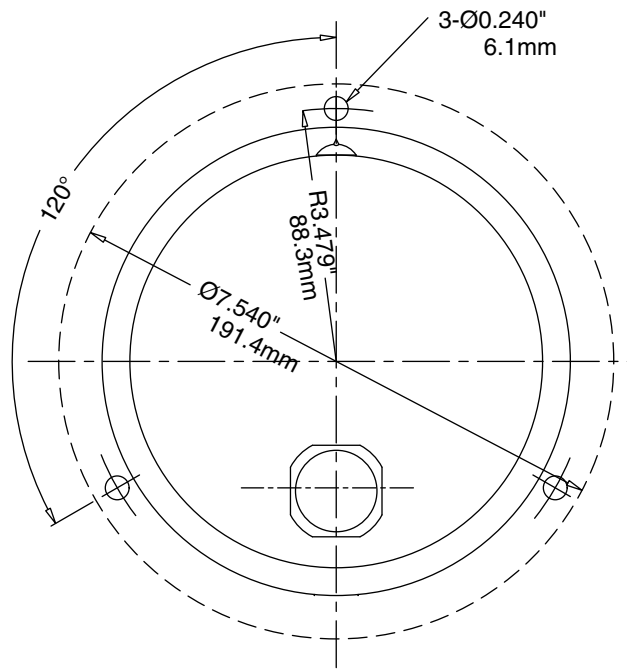
Fractional:	$1/64''$.4mm
Decimal:	0.06"	1.5mm

REVISION No. & DATE: APR. 9 2002

TITLE:

4" SAFETY CASE PREMIUM GAUGE, BOTTOM CONNECTION

DRAWING NO: PG-LF-4-SC-BTM

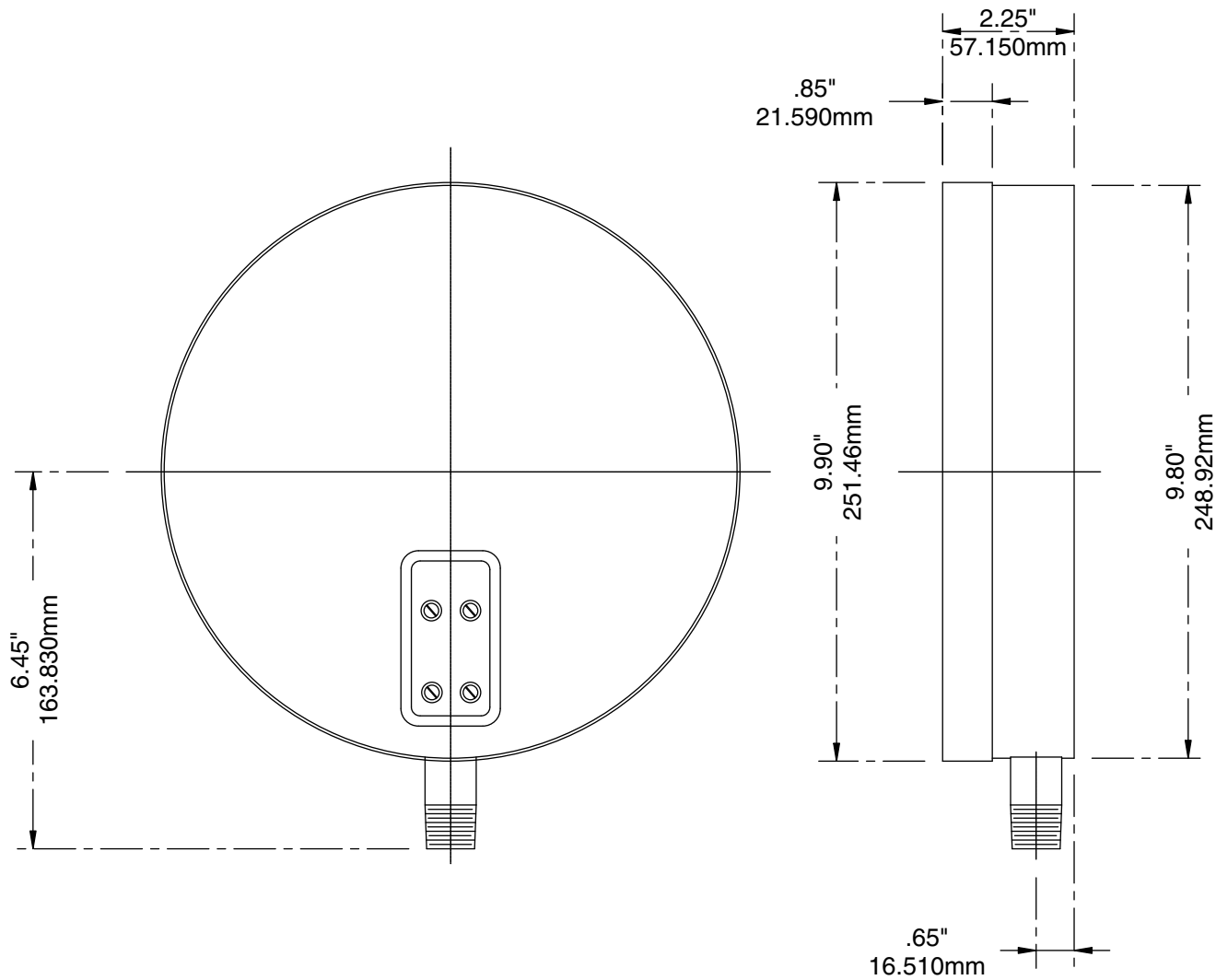


WINTERS INSTRUMENTS

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. 9 2002

TITLE:
 6" LF SERIES PREMIUM GAUGE, BACK CONNECTION WITH
 FRONT FLANGE OPTION
 DRAWING NO: PG-LF-6-BK



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES
(unless otherwise stated)

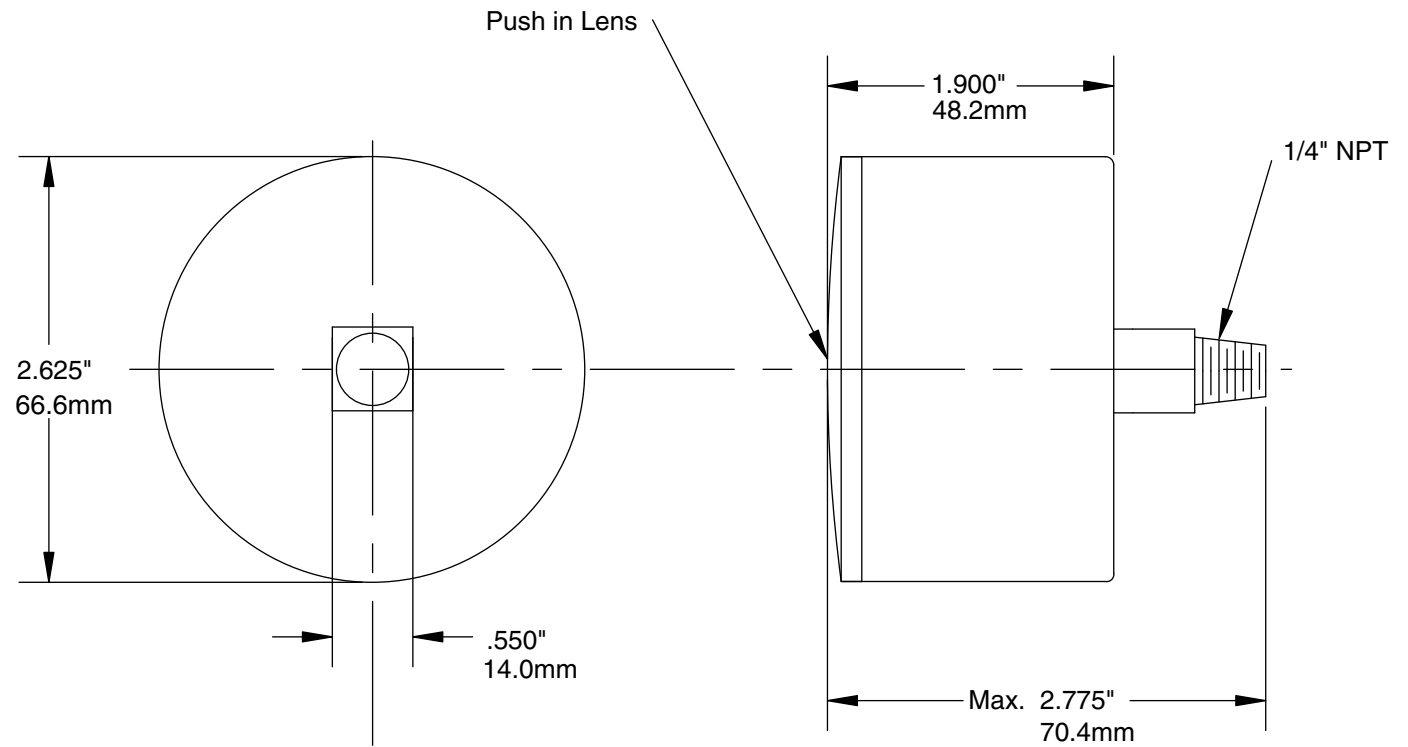
Fractional:	1/64"	.4
Decimal:	0.06"	1.5mm

REVISION No. & DATE: APR. 17, 2002

TITLE:

10" LF SERIES PREMIUM GAUGE, BOTTOM CONNECTION

DRAWING NO: PG-LF-10-BTM



WINTERS INSTRUMENTS

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

ALL DIMENSIONS IN INCHES

TOLERANCES
 (unless otherwise stated)

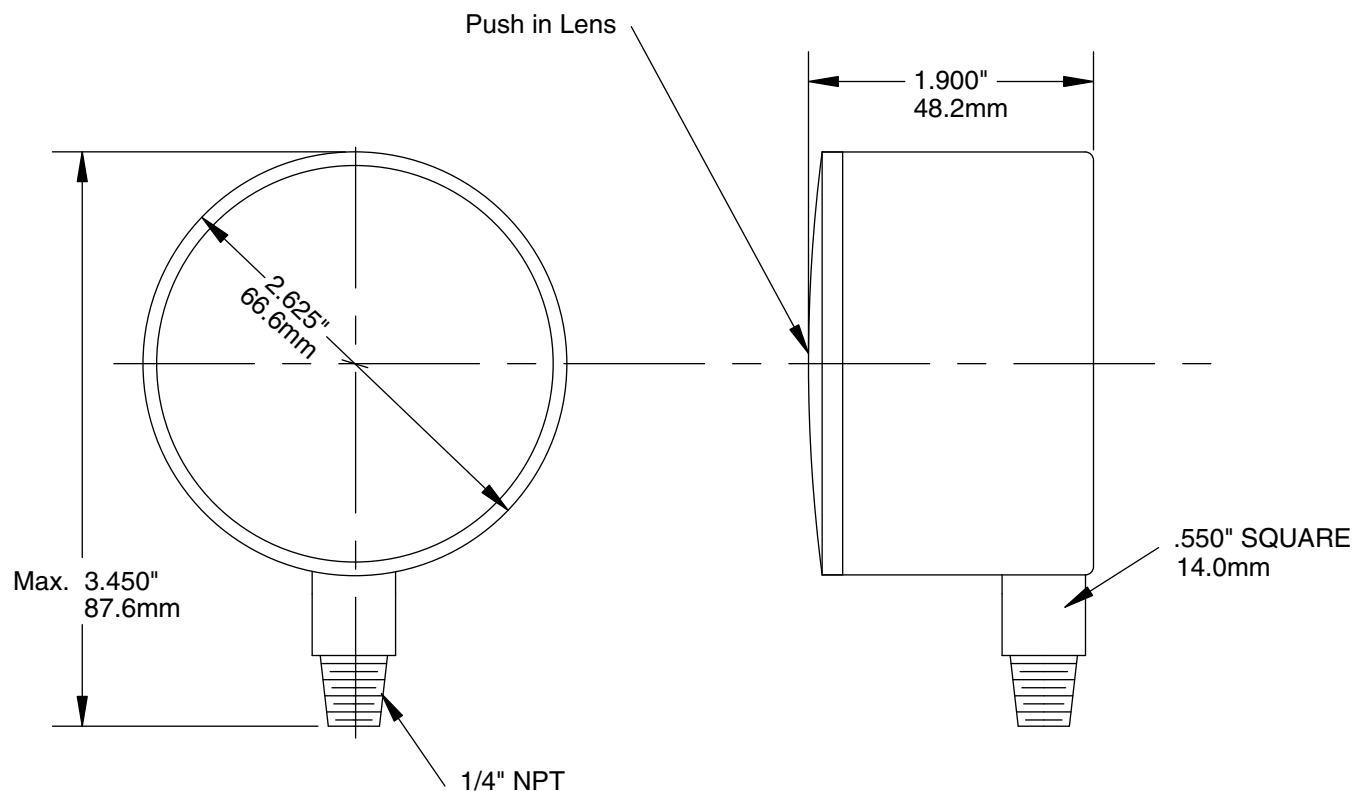
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: MARCH 14 2002

TITLE:
 2.5" LOW PRESSURE GAUGE, BACK CONNECTION, BRASS INTERNALS

DRAWING NO: PG-LOWP-2.5-BR-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.
 Diaphragm: Ph Bz.
 Movement: Brass with engineered plastic plates.
 Socket: Brass.
 Accuracy: +/- 1% of full scale.
 Enclosure: IP52.



WINTERS INSTRUMENTS

DRAWN BY:	ALL DIMENSIONS IN INCHES	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional:	1/64"
	Decimal:	0.06"
APPROVED BY:	REVISION No. & DATE: MARCH 14 2002	

TITLE:
2.5" LOW PRESSURE GAUGE, BOTTOM CONNECTION, BRASS INTERNALS
DRAWING NO: PG-LOWP-2.5-BR-BTM

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

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

Case: Cast aluminum, painted black.

Bezel: Aluminum.

Lens: Glass.

Dial: Aluminum.

Diaphragm: 316 stainless steel.

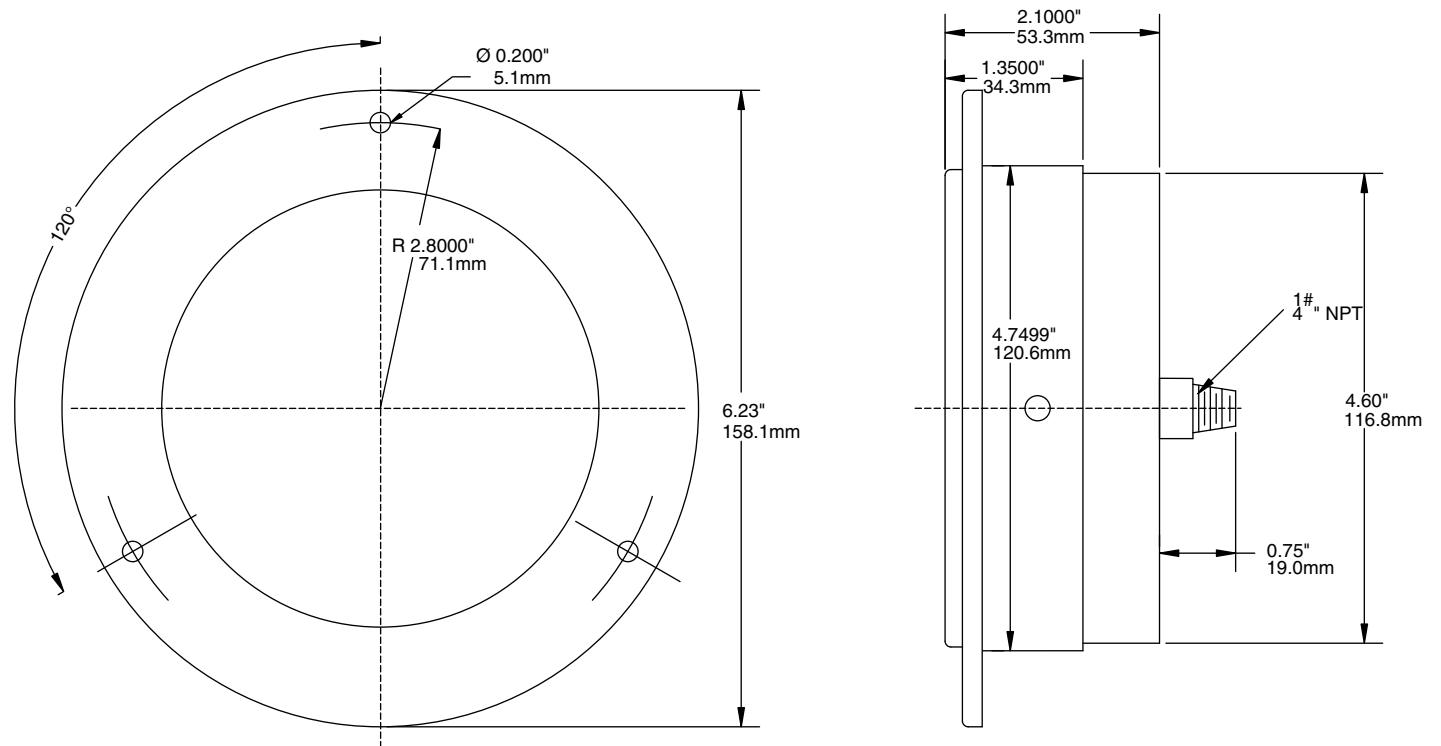
Movement: 316 stainless steel.

Socket: 316 stainless steel.

Welding: TIG

Accuracy: +/- 1% of full scale.

Protection: IP52.



WINTERS INSTRUMENTS

DRAWN BY:

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

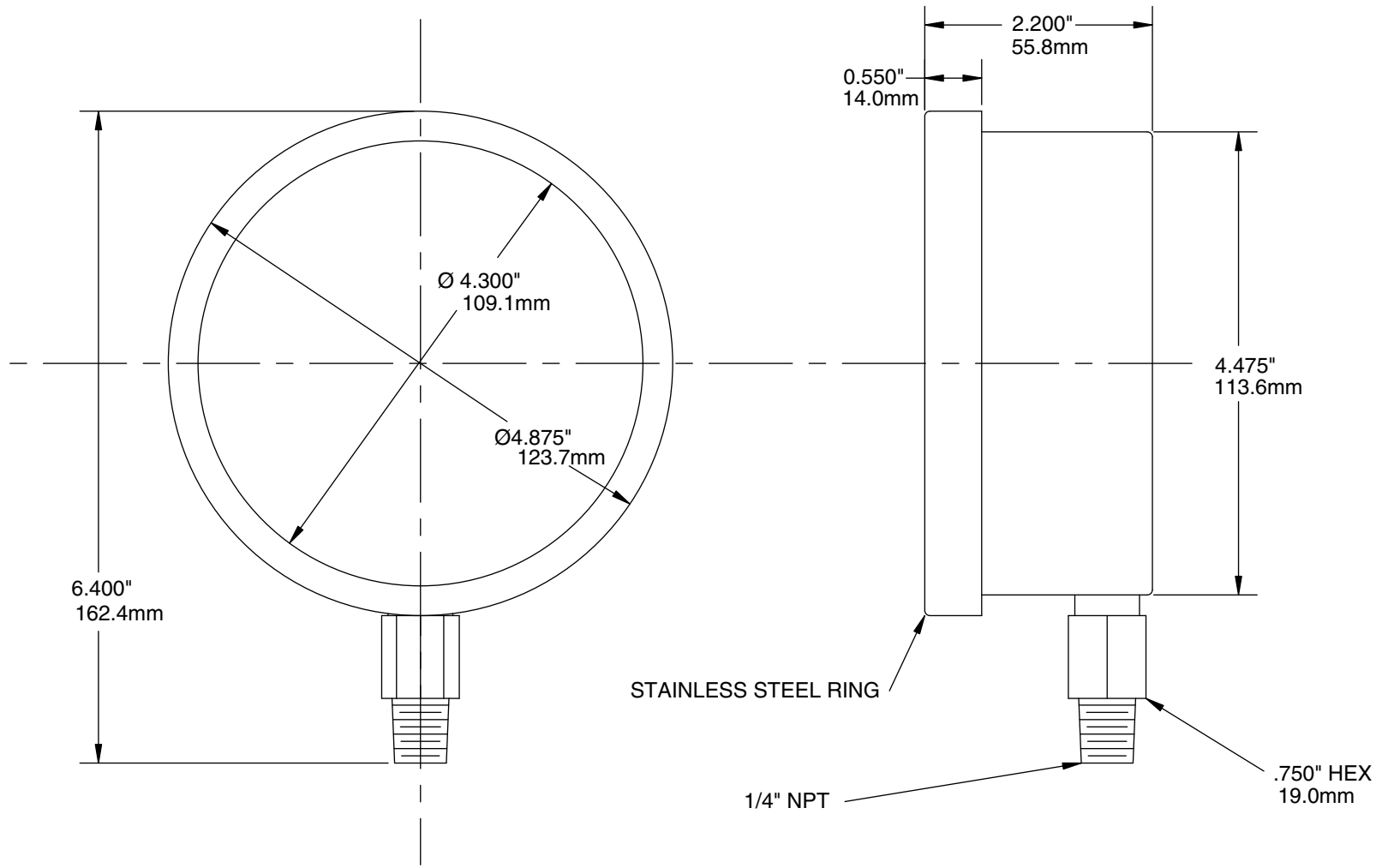
REVISION No. & DATE: MARCH 10 2002

TITLE:

4.5" LOW PRESSURE GAUGE, BACK CONNECTION,
S/S INTERNAL WITH STANDARD FRONT FLANGE

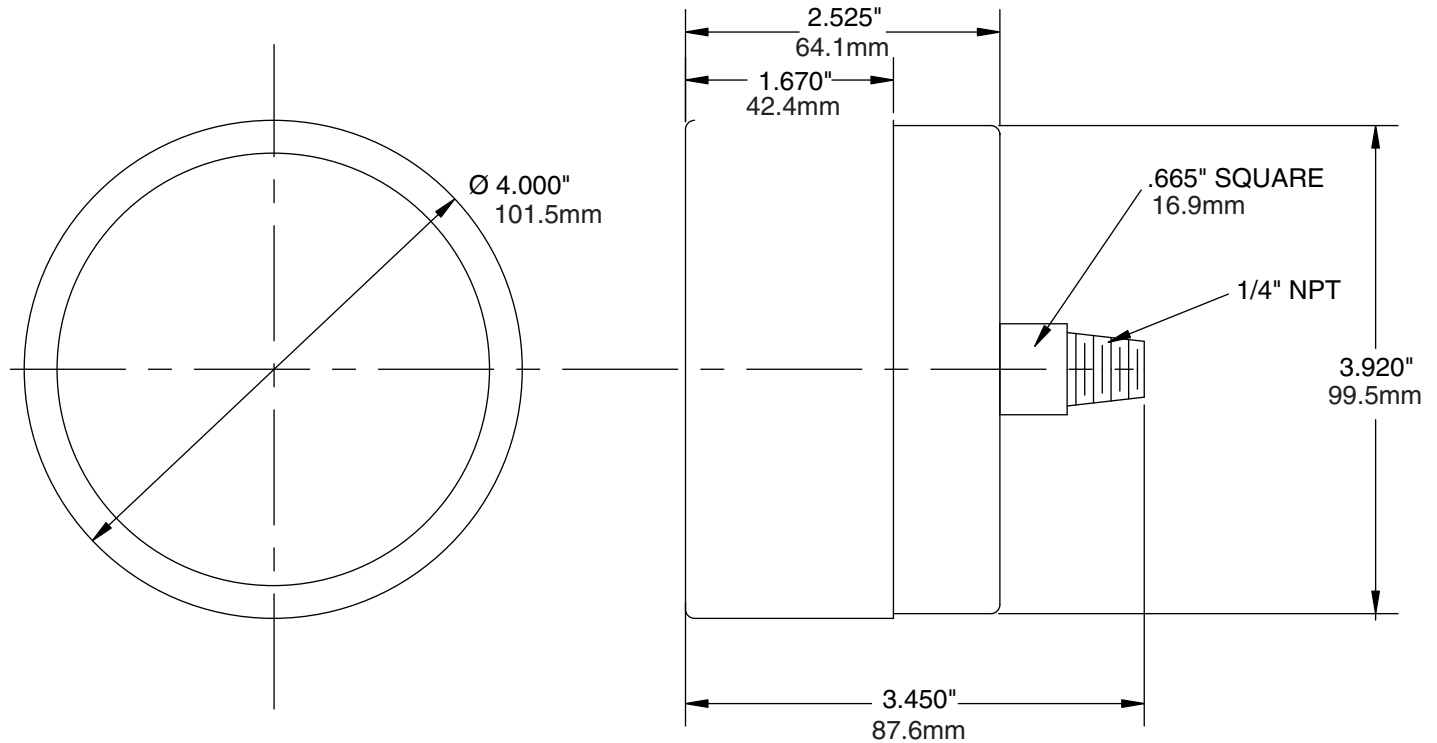
DRAWING NO: PG-LOWP-4.5-SS-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Aluminum, painted black.
 Bezel: Stainless steel.
 Lens: Glass.
 Dial: Aluminum.
 Diaphragm: 316 Stainless steel.
 Movement: 316 Stainless steel.
 Socket: 316 Stainless steel.
 Welding: TIG.
 Accuracy: +/- 1% of full scale.
 Enclosure: IP52.



DRAWN BY:	ALL DIMENSIONS IN INCHES	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional:	1/64"
	Decimal:	0.06"
APPROVED BY:	REVISION No. & DATE: APRIL 7 2002	

TITLE:
4.5" LOW PRESSURE GAUGE, BOTTOM CONNECTION, S/S INTERNALS
DRAWING NO: PG-LOWP-4.5-SS-BTM



WINTERS INSTRUMENTS

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

ALL DIMENSIONS IN INCHES
 TOLERANCES
 (unless otherwise stated)

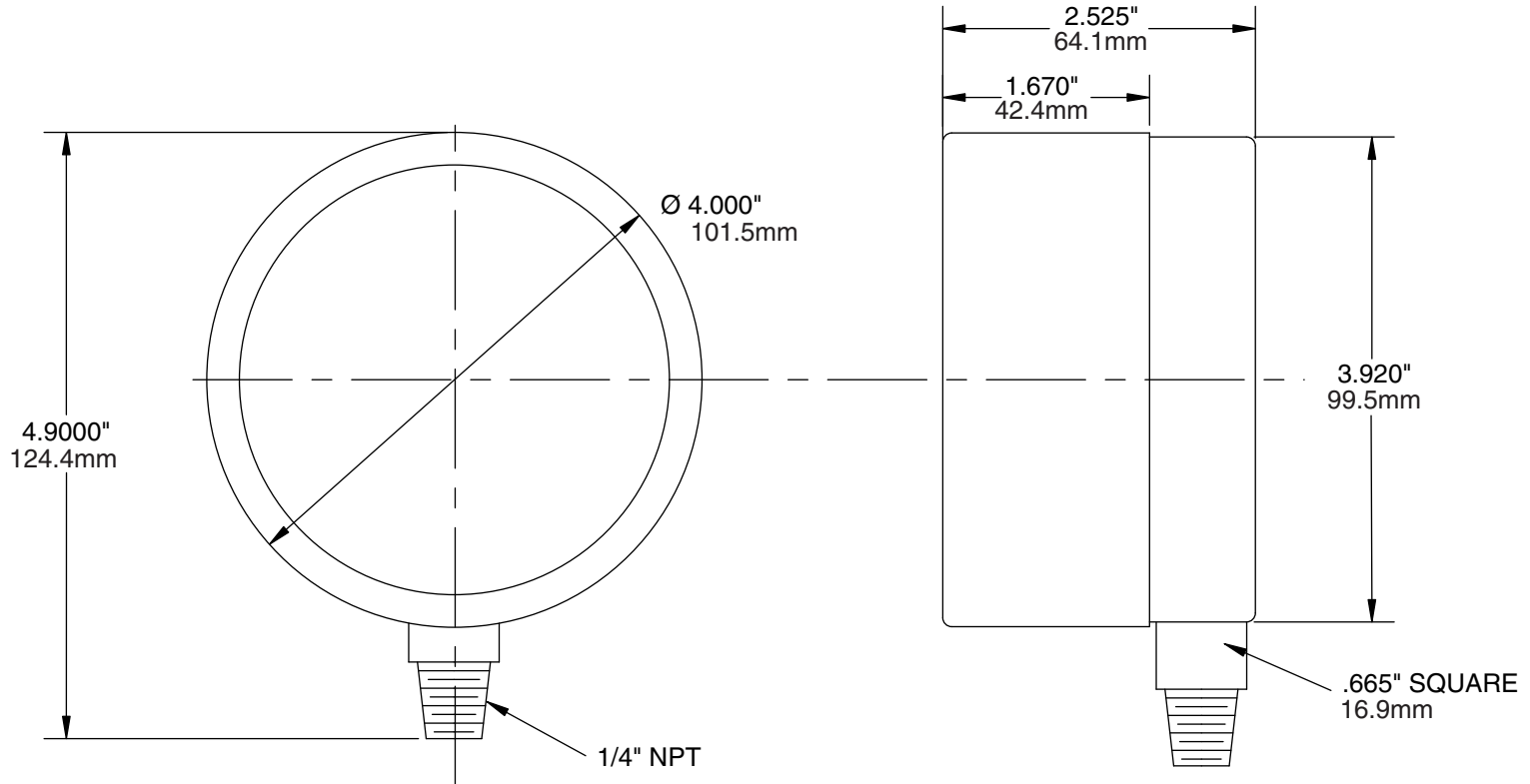
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: MARCH 26 2002

TITLE:
4" LOW PRESSURE GAUGE, BACK CONNECTION, BRASS INTERNAL

DRAWING NO: PG-LOWP-4-BR-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.
 Lens: Polycarbonate.
 Dial: Aluminum.
 Diaphragm: Ph Bz.
 Movement: Brass.
 Socket: Brass.
 Accuracy: +/- 1% of full scale.
 Enclosure: IP52.



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: MARCH 22 2002

TITLE:

4" LOW PRESSURE GAUGE, BOTTOM
CONNECTION, BRASS INTERNAL

DRAWING NO: PG-LOWP-4-BR-BTM

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

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

Case: Cast aluminum, painted black.

Bezel: Aluminum.

Lens: Glass.

Dial: Aluminum.

Diaphragm: 316 stainless steel.

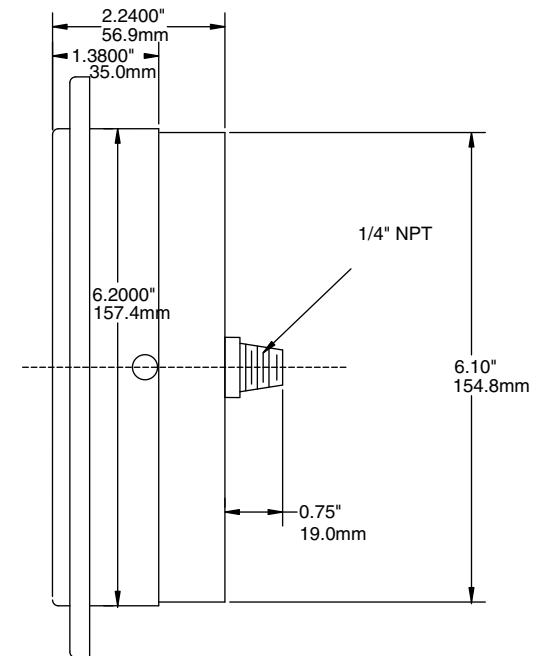
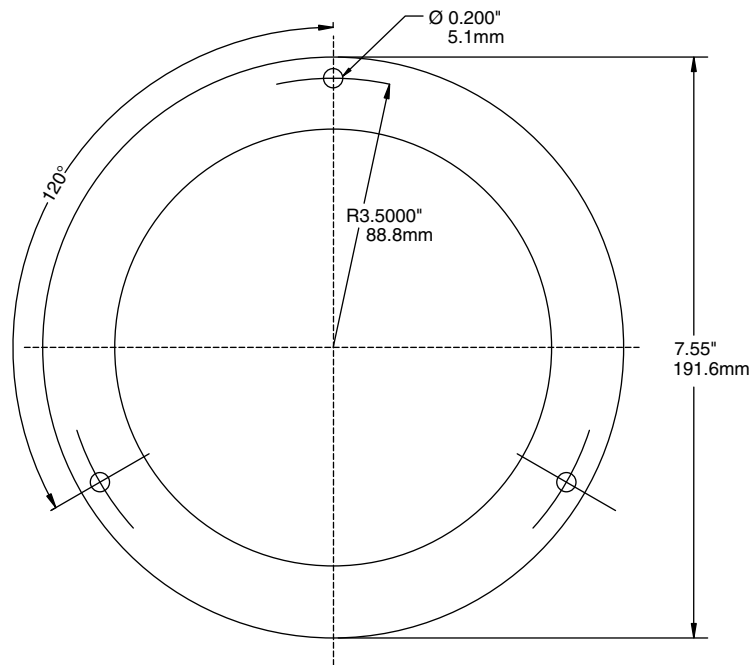
Movement: 316 stainless steel.

Socket: 316 stainless steel.

Welding: TIG

Accuracy: +/- 1% of full scale.

Protection: IP52.



WINTERS INSTRUMENTS

DRAWN BY:

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

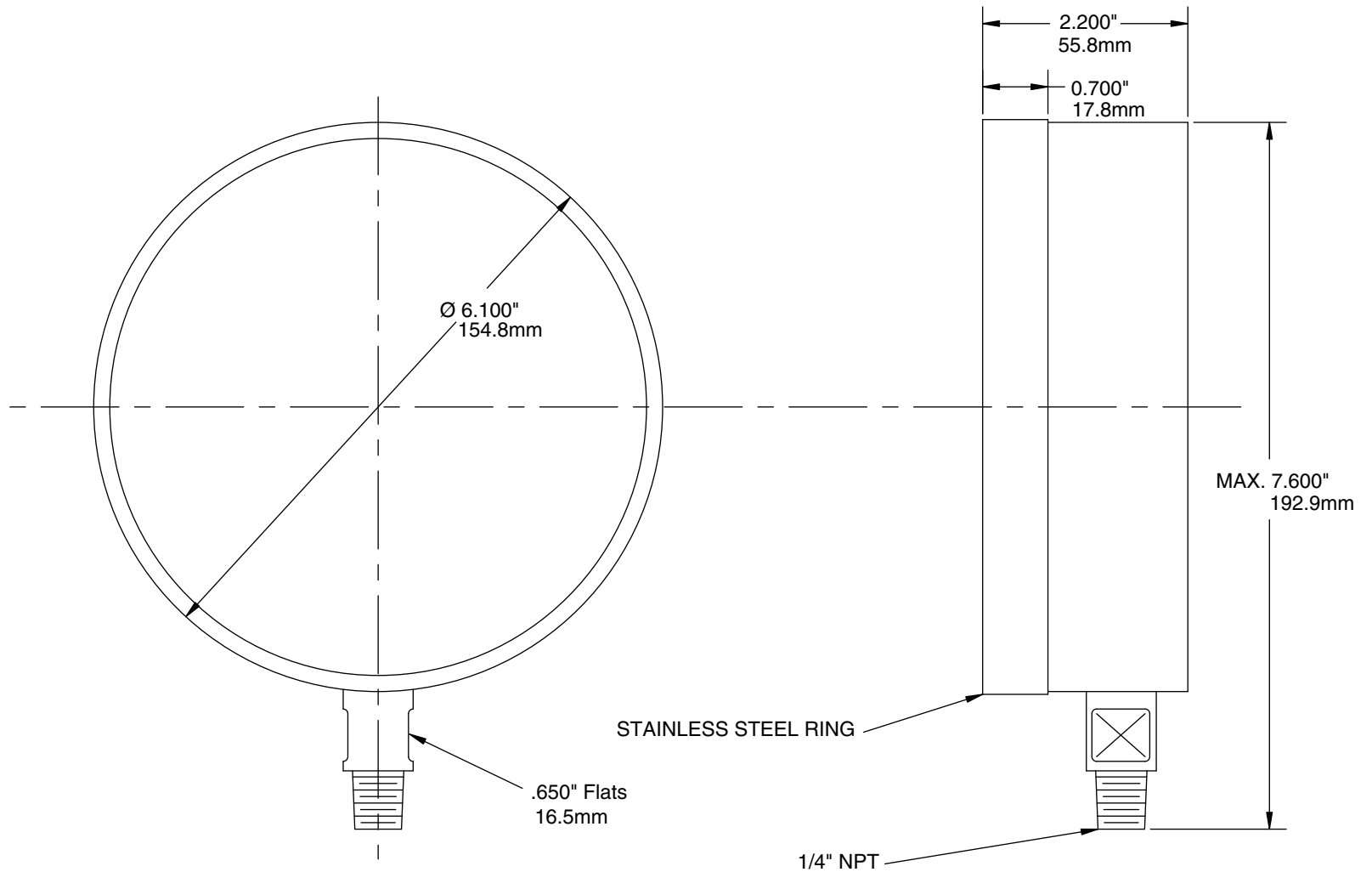
REVISION No. & DATE: MARCH 10 2002

TITLE:

6" LOW PRESSURE GAUGE, BACK CONNECTION, S/S INTERNAL WITH STANDARD FRONT FLANGE

DRAWING NO: PG-LOWP-6-SS-BK

Ambient Temperature: -40°C / 65°C (-40°F / 150°F).
 Process Temperature: -40°C / 65°C (-40°F / 150°F).
 Case: Aluminum, painted black.
 Bezel: Stainless steel.
 Lens: Glass.
 Dial: Aluminum.
 Diaphragm: 316 Stainless steel.
 Movement: 316 Stainless steel.
 Socket: 316 Stainless steel.
 Welding: TIG.
 Accuracy: +/- 1% of full scale.
 Enclosure: IP52



WINTERS INSTRUMENTS

DRAWN BY:

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

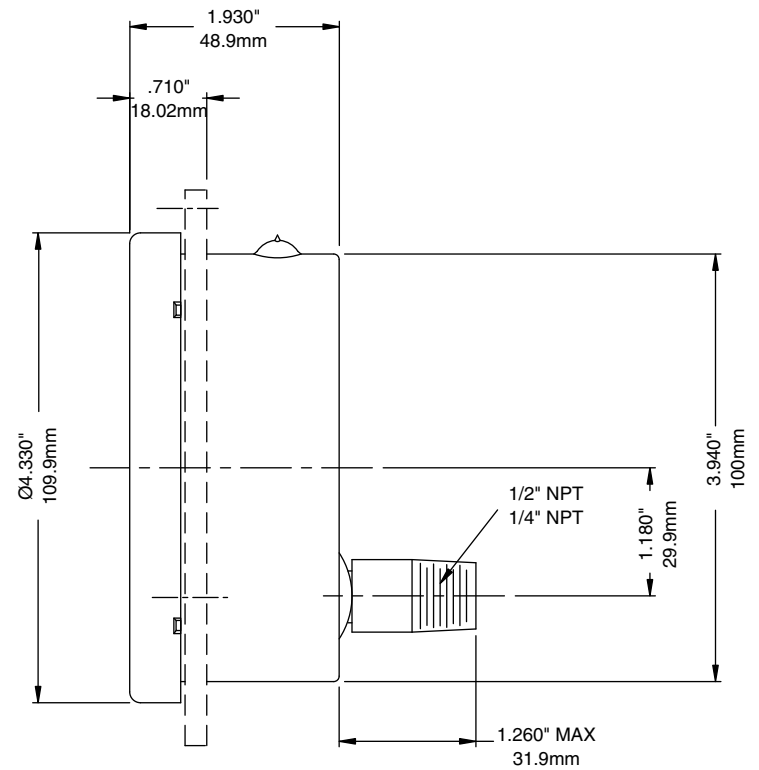
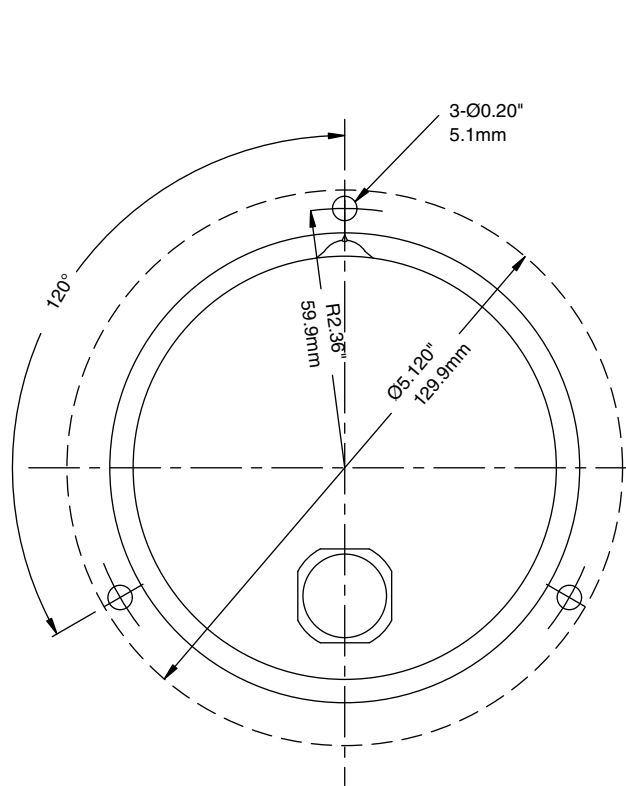
Fractional:	1/64"
Decimal:	0.06"

REVISION No. & DATE: APRIL 7 2002

TITLE:

6" LOW PRESSURE GAUGE, BOTTOM
CONNECTION, S/S INTERNALS

DRAWING NO: PG-LOWP-6-SS-BTM



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES
(unless otherwise stated)

Fractional: 1/64"

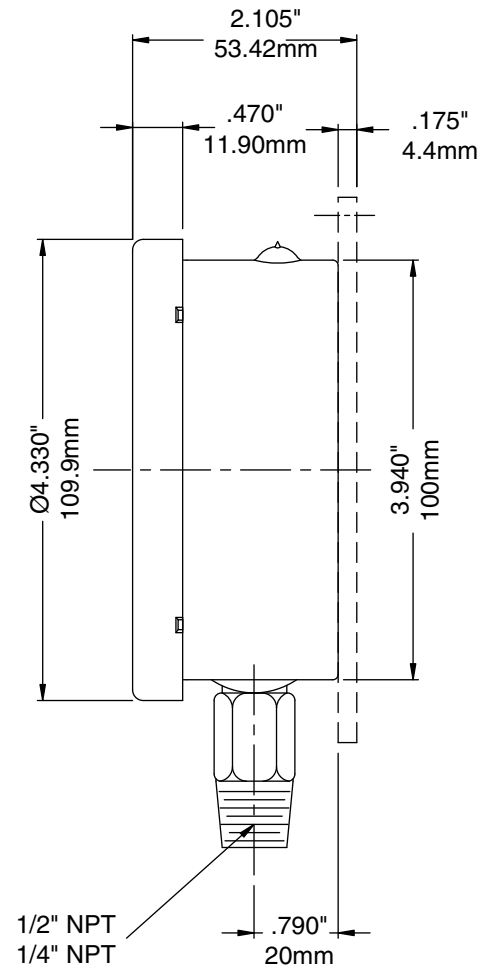
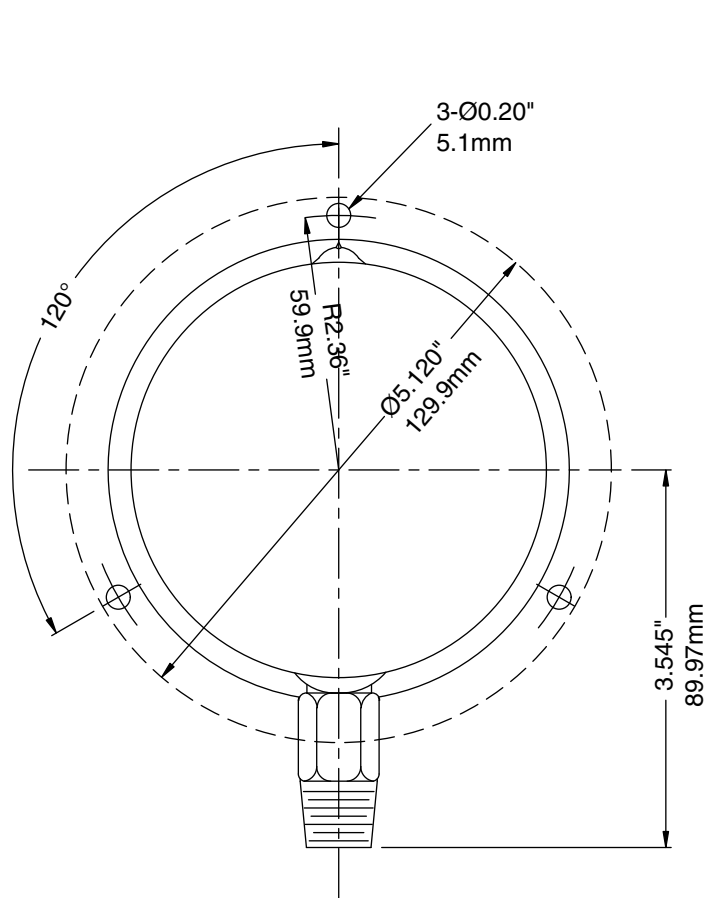
Decimal: 0.06"

REVISION No. & DATE: Apr. 11, 2002

TITLE:

4" NACE GAUGE, BACK CONNECTION WITH
FRONT FLANGE OPTION

DRAWING NO: PG-NACE-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"

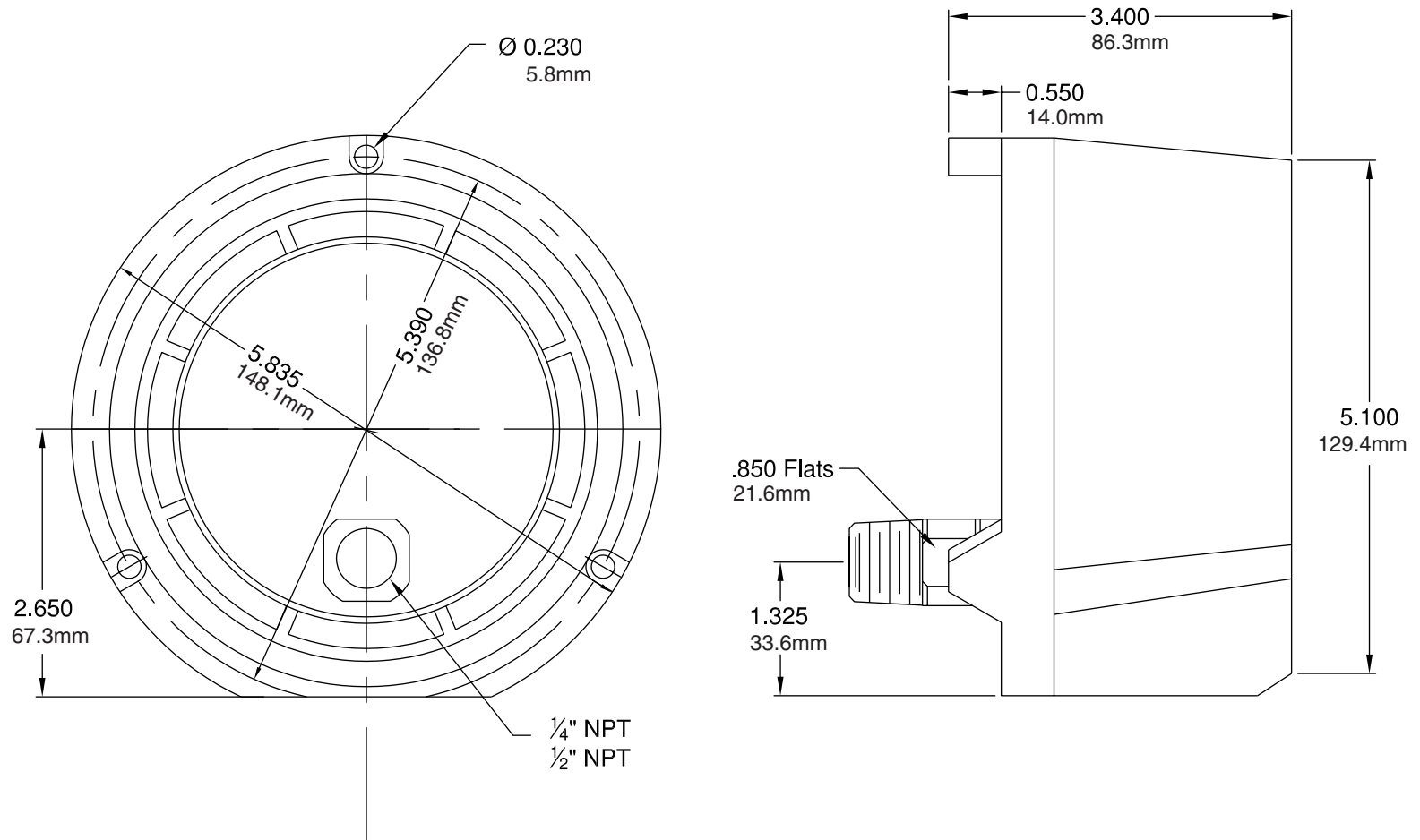
REVISION No. & DATE: Apr. 12, 2002

TITLE:

4" NACE GAUGE, BOTTOM CONNECTION WITH
BACK FLANGE OPTION

DRAWING NO: PG-NACE-4-BTM

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: Phenolic.
 Bezel: Phenolic.
 Lens: Acrylic.
 Dial: Aluminum.
 Tube: 316 S/S / Ph Bz.
 Movement: 304 S/S / Brass.
 Socket: 316 S/S / Brass.
 Welding: TIG / Silver Alloy.
 Accuracy: ±0.5% of full scale.
 Enclosure: IP65.



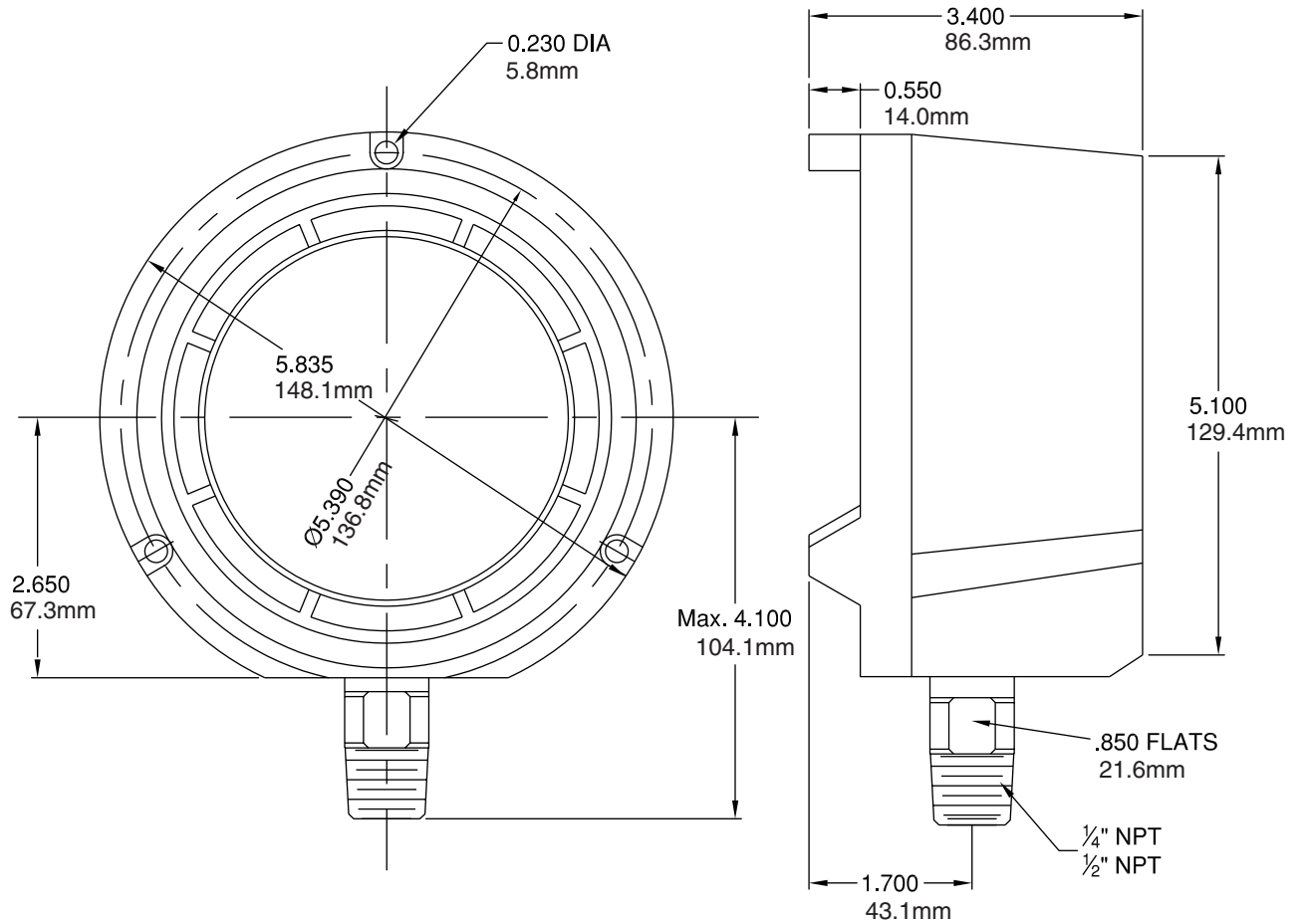
WINTERS INSTRUMENTS

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:
 4.5" BACK CONNECTION PROCESS GAUGE
 DRAWING NO: PG-PROC-4.5-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: Phenolic.
 Bezel: Phenolic.
 Lens: Acrylic.
 Dial: Aluminum.
 Tube: 316 S/S / Ph Bz.
 Movement: 304 S/S / Brass.
 Socket: 316 S/S / Brass.
 Welding: TIG / Silver Alloy.
 Accuracy: ±0.5% 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"

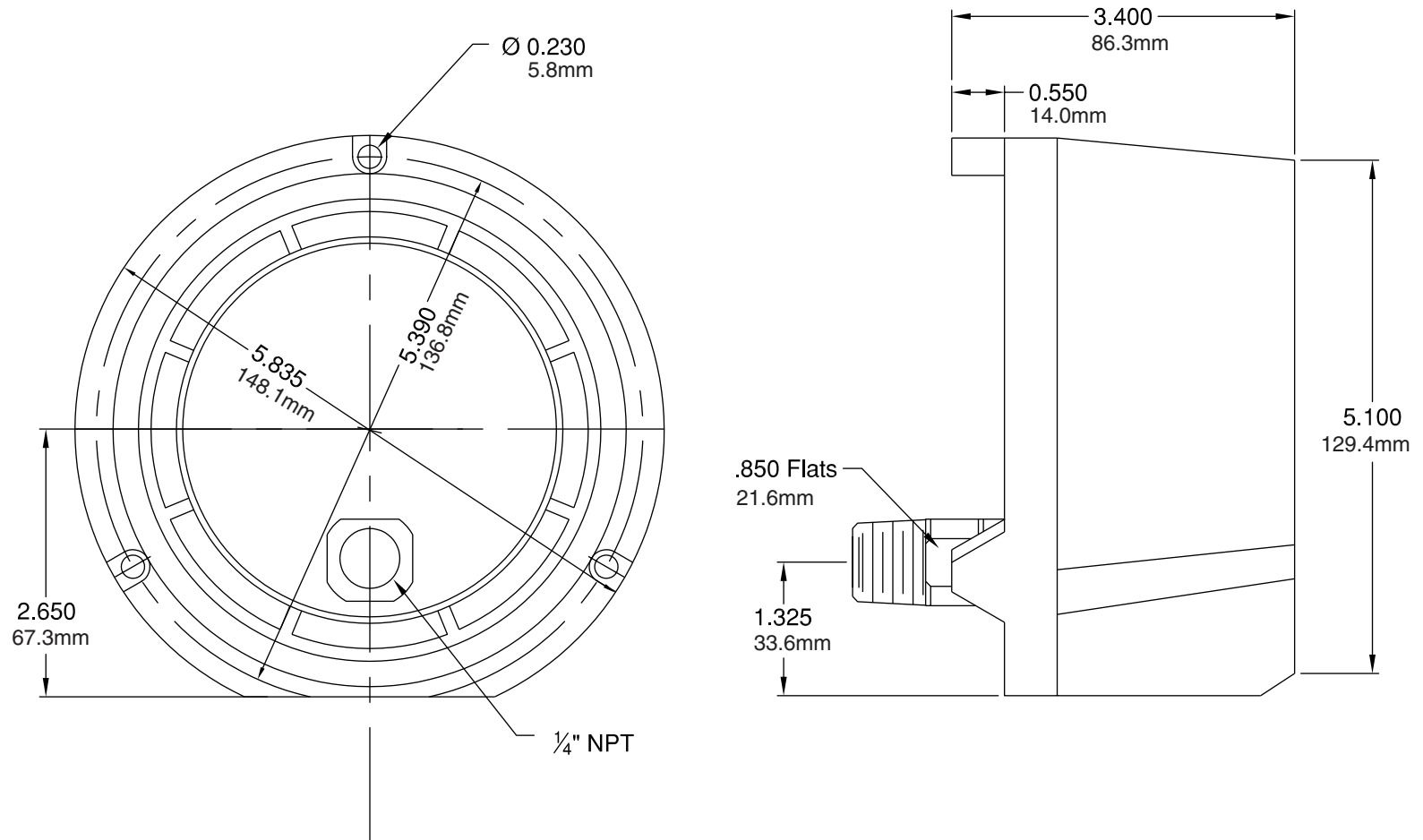
REVISION No. & DATE: JAN. 25 2002

TITLE:

4.5" PROCESS GAUGE, BOTTOM CONNECTION
WITH INTEGRAL BACK FLANGE

DRAWING NO: PG-PROC-4.5-BTM

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: Phenolic.
 Bezel: Phenolic.
 Lens: Acrylic.
 Dial: Aluminum.
 Tube: 316 S/S / Ph Bz.
 Movement: 304 S/S / Brass.
 Socket: 316 S/S / Brass.
 Welding: TIG / Silver Alloy.
 Accuracy: ±0.5% 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:
 4.5" BACK CONNECTION RECEIVER GAUGE
 DRAWING NO: PG-REC-4.5-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: Phenolic.

Bezel: Phenolic.

Lens: Acrylic.

Dial: Aluminum.

Tube: 316 S/S / Ph Bz.

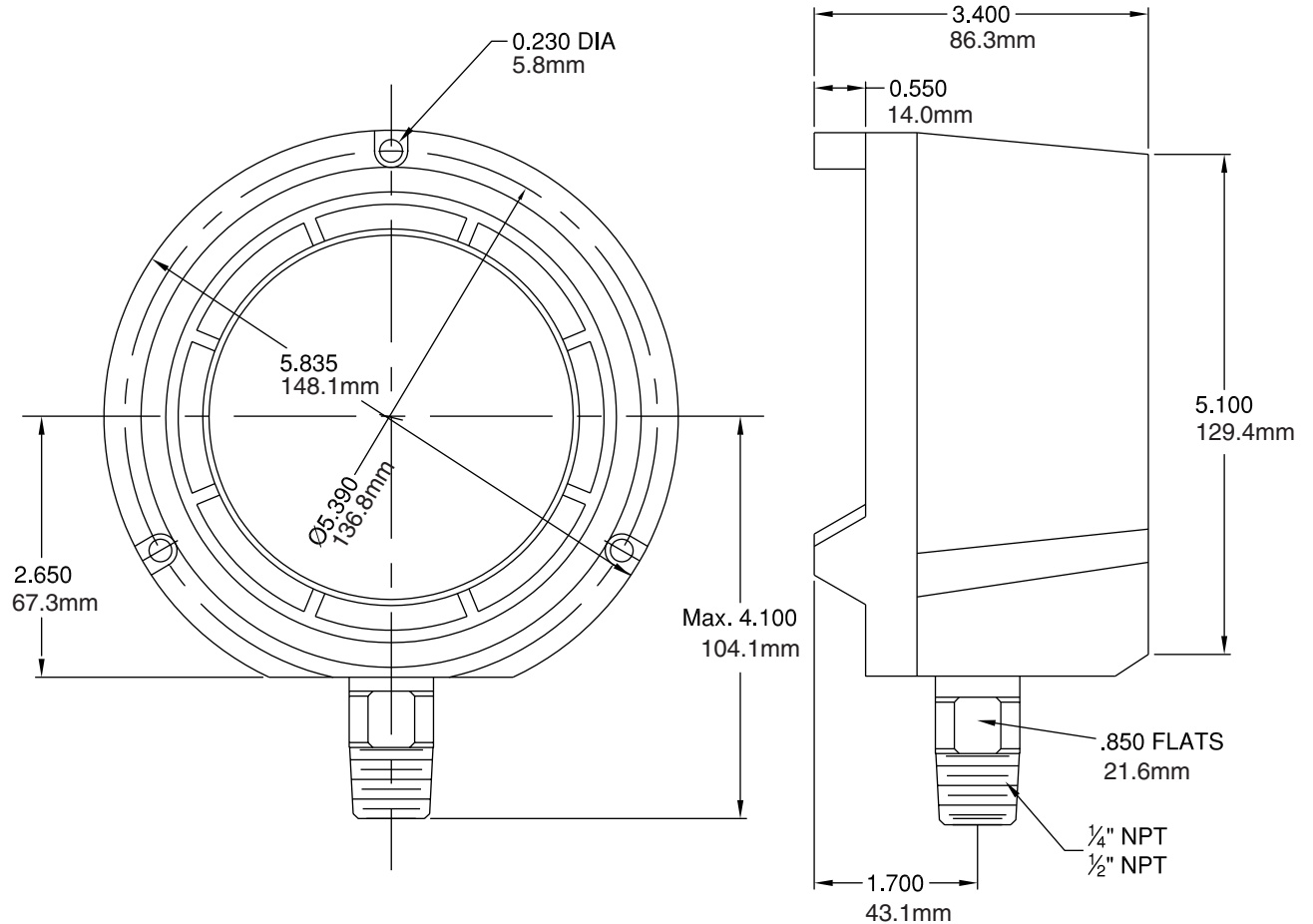
Movement: 304 S/S / Brass.

Socket: 316 S/S / Brass.

Welding: TIG / Silver Alloy.

Accuracy: ±0.5% 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"

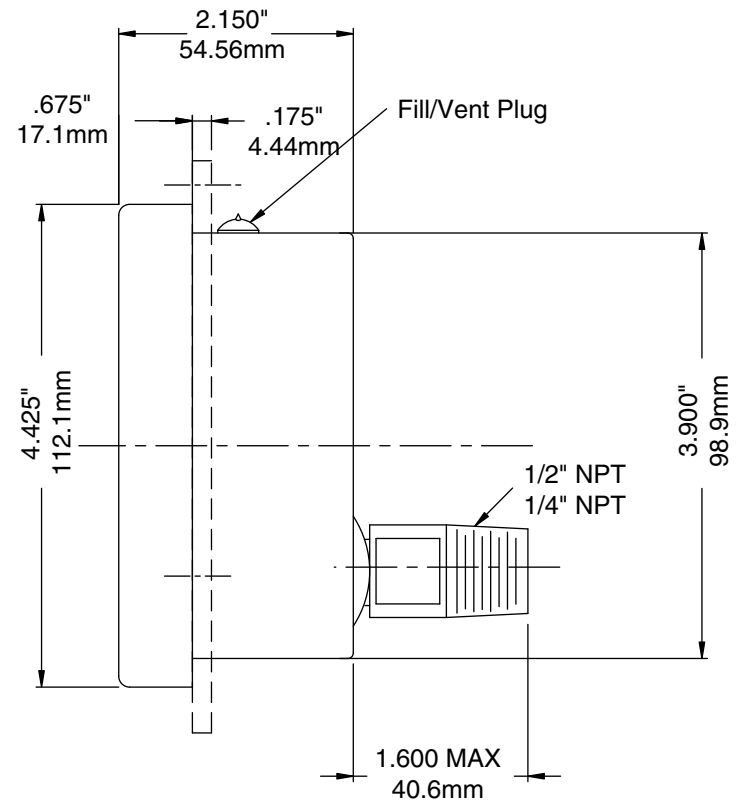
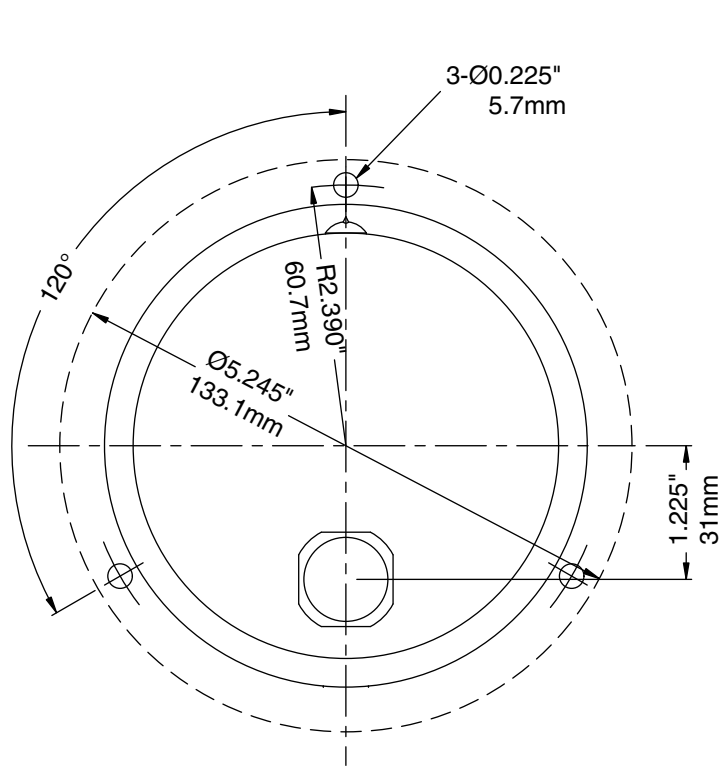
REVISION No. & DATE: JAN. 25 2002

TITLE:

4.5" RECEIVER GAUGE, BOTTOM
CONNECTION WITH INTEGRAL BACK FLANGE

DRAWING NO: PG-REC-4.5-BTM

0.225 5.7
 2.39 60.7
 5.245 133.1



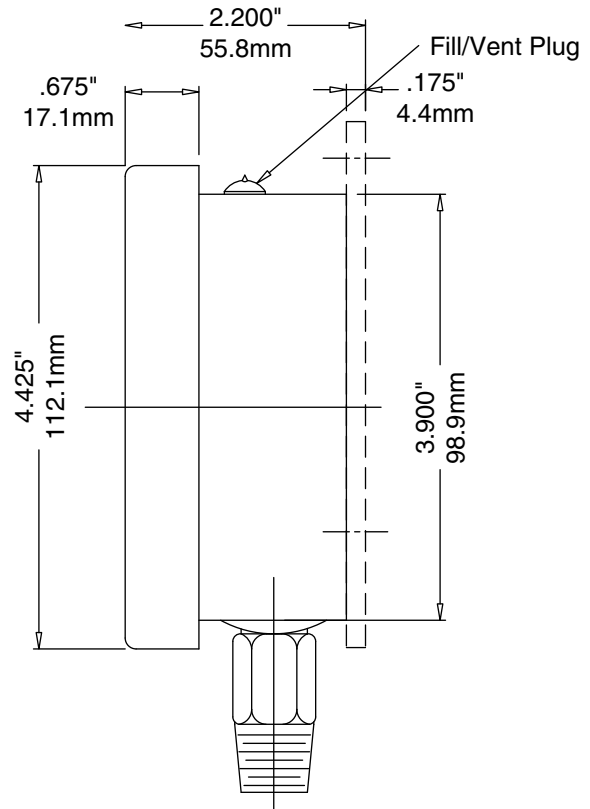
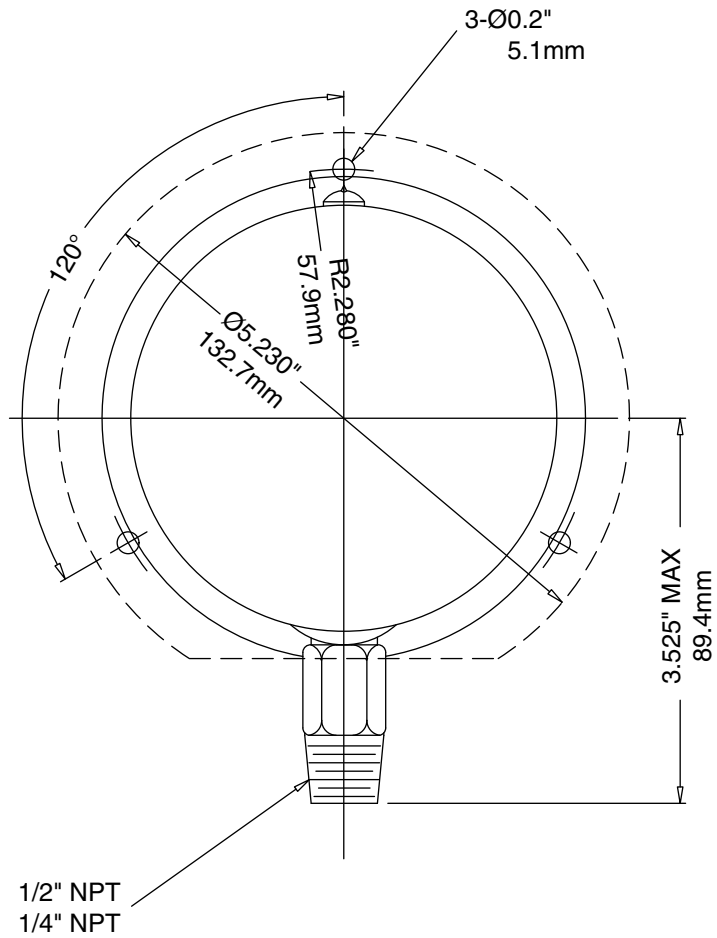
WINTERS INSTRUMENTS

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. 9 2002

TITLE:
 4" TEST GAUGE, BACK CONNECTION WITH
 FRONT FLANGE OPTION
 DRAWING NO: PG-TEST-4-BK

Ambient Temperature: -40°C-65°C Dry
 Process Temperature: -40°C-65°C Dry
 Case: 304 S/S
 Bezel: 304 S/S
 Lens: Polycarbonate
 Dial: Aluminum
 Tube: Beryllium Copper
 Movement: Brass
 Socket: Brass
 Welding: Silver Alloy
 Accuracy: 60.5%
 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:

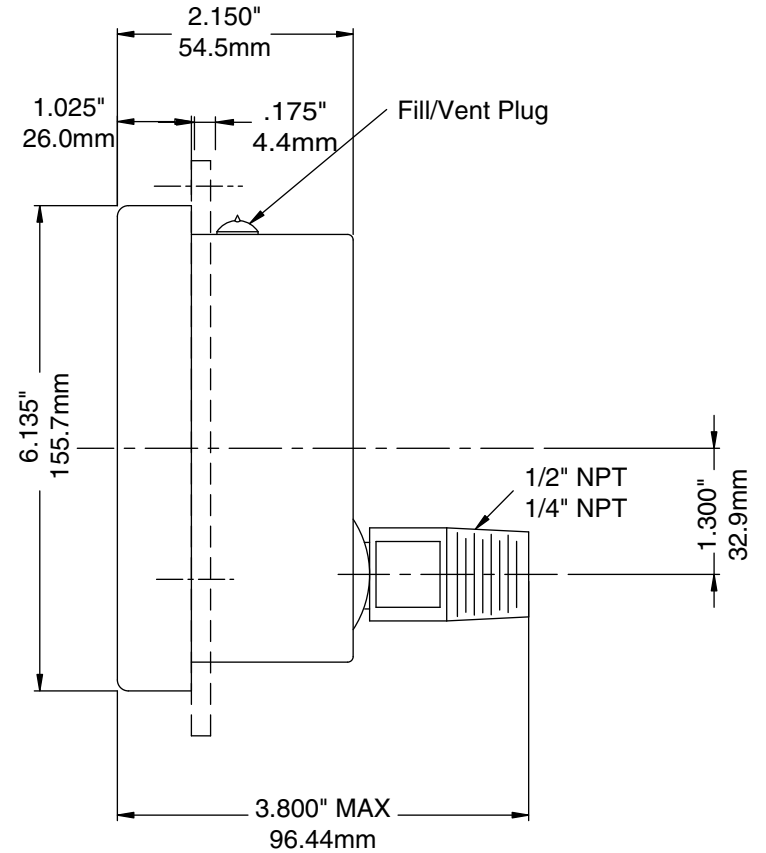
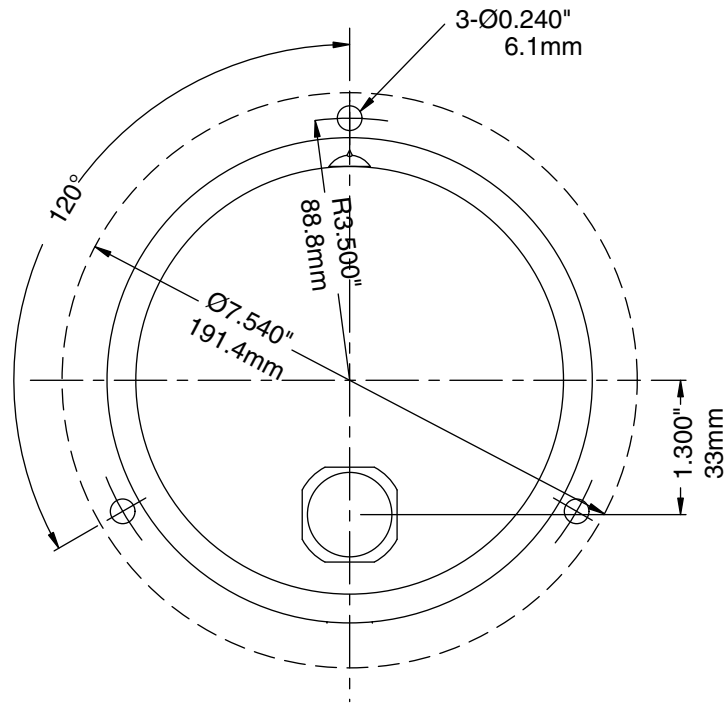
TITLE:

4" TEST GAUGE, BOTTOM CONNECTION,
BACK FLANGE OPTION

DRAWING NO: PG-TEST-4-BTM

Ambient Temperature: -40°C-65°C Dry
 Process Temperature: -40°C-65°C Dry
 Case: 304 S/S
 Bezel: 304 S/S
 Lens: Polycarbonate
 Dial: Aluminum
 Tube: Beryllium Copper
 Movement: Brass
 Socket: Brass
 Welding: Silver Alloy
 Accuracy: ±0.25%
 Enclosure: IP65

0.24 6.1
 3.5 88.8
 7.54 191.4

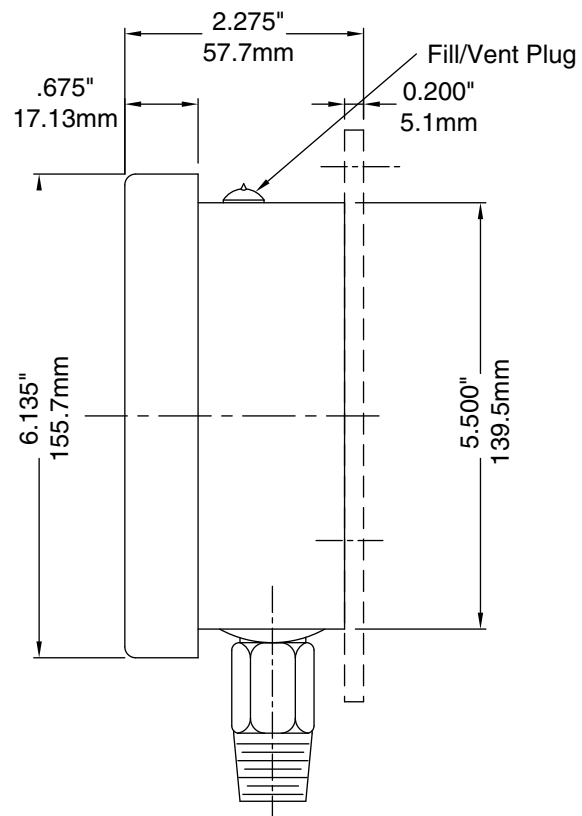
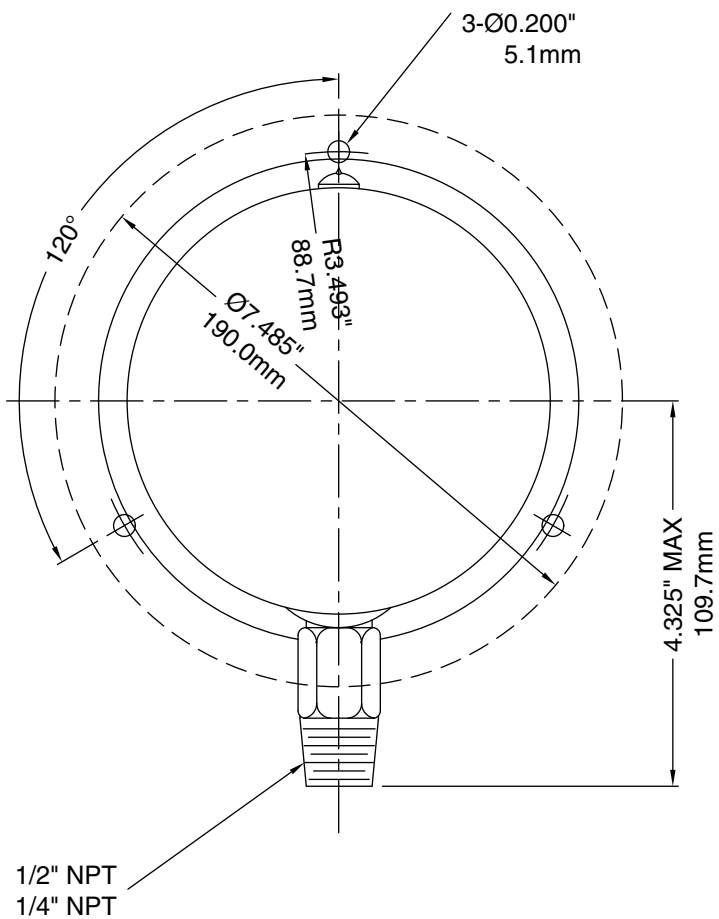


WINTERS INSTRUMENTS

DRAWN BY:	ALL DIMENSIONS IN INCHES	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional:	1/64"
	Decimal:	0.06"
APPROVED BY:	REVISION No. & DATE:	

TITLE:	6" TEST GAUGE, BACK CONNECTION, FRONT FLANGE OPTION
DRAWING NO:	

Ambient Temperature: -40°C-65°C Dry
 Process Temperature: -40°C-65°C Dry
 Case: 304 S/S
 Bezel: 304 S/S
 Lens: Polycarbonate
 Dial: Aluminum
 Tube: Beryllium Copper
 Movement: Brass
 Socket: Brass
 Welding: Silver Alloy
 Accuracy: ±0.25%
 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:

TITLE:

6" TEST GAUGE, BOTTOM CONNECTION,
BACK FLANGE OPTION

DRAWING NO: PG-TEST-6-BTM