

STANDARD FEATURES

Movement: All 300 series stainless steel

Pointer: Geared micrometer adjustable, balanced

Dial: White enameled aluminum with black graduations and numerals 270° Arc

Dial Sizes: 4½"

Thread Size: ¼ male NPT; ½ male NPT

Connection Location: Lower (Bottom), Back (Rear)

Case: Standard with style #2 case; Polypropylene safety case (solid front, blow-out back) suitable for surface or direct mounting.

Bourdon Tube: 316 stainless steel

Socket: 316 stainless steel



PRESSURE RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PC	0-15 psi	1 psi	.25 psi
PD	0-30 psi	5 psi	.5 psi
PE	0-60 psi	10 psi	1 psi
PF	0-100 psi	10 psi	1 psi
PG	0-160 psi	20 psi	2 psi
PH	0-200 psi	20 psi	2 psi
PJ	0-300 psi	50 psi	5 psi
PK	0-400 psi	50 psi	5 psi
PM	0-600 psi	100 psi	10 psi
PO	0-800 psi	100 psi	10 psi
PP	0-1000 psi	100 psi	10 psi
PR	0-1500 psi	200 psi	10 psi
PS	0-2000 psi	200 psi	20 psi
PT	0-3000 psi	500 psi	20 psi
PV	0-5000 psi	500 psi	50 psi
PY	0-10,000 psi	1000 psi	100 psi
PZ	0-15,000 psi	3000 psi	100 psi
P2	0-20,000 psi	2000 psi	200 psi

VACUUM RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
VC	30"~0 Hg. Vac	3"	.2"

DESCRIPTION

CATALOG NO.	GAUGE TYPE
AA44	Standard "Dry" Gauge
AS44	Hermetically Sealed "Dry" Gauge
AY44	Glycerin Filled Gauge

CASE STYLE

OPTIONAL CASE STYLE	
LOWER CONNECT	BACK CONNECT
#4 Aluminum Safety	#4 Aluminum Safety
	#6 Aluminum Flush

COMPOUND RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
CA	30"~0- 15 psi	5" & 3 psi	.5"/2 psi
CB	30"~0- 30 psi	10" & 5 psi	1"/5 psi
CC	30"~0- 60 psi	10" & 10 psi	1"/1 psi
CD	30"~0-100 psi	30" & 10 psi	2"/1 psi
CE	30"~0-150 psi	30" & 20 psi	5"/2 psi
CF	30"~0-200 psi	30" & 20 psi	5"/2 psi
CG	30"~0-300 psi	30" & 50 psi	10"/5 psi
CI	30"~0-600 psi	30" & 100 psi	10"/10 psi

NOTES:

- Royal Gauges are calibrated in accordance with ASME B40.1 Grade 2A (±1/2%).
- Metric dials can be furnished, see page 25.

HOW TO ORDER

A A 4 4 2 P F 4 L W ()

- Basic 4-digit Catalog No. From Table Above _____
- Polypropylene case style #2 standard or case style from above table _____
- Range Code From Range Tables Above _____
- Thread Size: 4 = ¼ Npt Male (Standard); 2 = ½ Npt Male _____
- Connection Location: L = Lower (Bottom), R = Back (Rear) _____
- Dial Color: W = White _____
- If Any Gauge Options Are Desired – Specify Option Code(s) From Page 35 _____

STANDARD FEATURES

Movement: All 300 series stainless steel

Pointer: Geared micrometer adjustable, balanced

Dial: White enameled aluminum with black graduations and numerals 270° Arc

Dial Sizes: 4½"

Thread Size: ¼ male NPT; ½ male NPT

Connection Location: Lower (Bottom), Back (Rear)

Case: Standard with style #2 case; Polypropylene safety case (solid front, blow-out back) suitable for surface or direct mounting (standard).

Bourdon Tube: Monel

Socket: Monel



PRESSURE RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PC	0-15 psi	1 psi	.25 psi
PD	0-30 psi	5 psi	.5 psi
PE	0-60 psi	10 psi	1 psi
PF	0-100 psi	10 psi	1 psi
PG	0-160 psi	20 psi	2 psi
PH	0-200 psi	20 psi	2 psi
PJ	0-300 psi	50 psi	5 psi
PK	0-400 psi	50 psi	5 psi
PM	0-600 psi	100 psi	10 psi
PO	0-800 psi	100 psi	10 psi
PP	0-1000 psi	100 psi	10 psi
PR	0-1500 psi	200 psi	10 psi
PS	0-2000 psi	200 psi	20 psi
PT	0-3000 psi	500 psi	20 psi
PV	0-5000 psi	500 psi	50 psi
PY	0-10,000 psi	1000 psi	100 psi

VACUUM RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
VC	30"-0 Hg. Vac	3"	.2"

DESCRIPTION

CATALOG NO.	GAUGE TYPE	CASE STYLE	
		OPTIONAL CASE STYLE LOWER CONNECT	OPTIONAL CASE STYLE BACK CONNECT
AA24	Standard "Dry" Gauge		
AS24	Hermetically Sealed "Dry" Gauge	#4 Aluminum Safety	#4 Aluminum Safety
AY24	Glycerin Filled Gauge		#6 Aluminum Flush

COMPOUND RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
CA	30"-0- 15 psi	5" & 3 psi	.5"/2 psi
CB	30"-0- 30 psi	10" & 5 psi	1"/.5 psi
CC	30"-0- 60 psi	10" & 10 psi	1"/1 psi
CD	30"-0-100 psi	30" & 10 psi	2"/1 psi
CE	30"-0-150 psi	30" & 20 psi	5"/2 psi
CF	30"-0-200 psi	30" & 20 psi	5"/2 psi
CG	30"-0-300 psi	30" & 50 psi	5"/2 psi
CI	30"-0-600 psi	30" & 100 psi	10"/5 psi

NOTES:

- Royal Gauges are calibrated in accordance with ASME B40.1 Grade 2A (±1/2%).
- Metric dials can be furnished, see page 25.

HOW TO ORDER

A A 2 4 2 P F 4 L W ()

- Basic 4-digit Catalog No. From Table Above _____
- Polypropylene case style #2 standard or case style from above table _____
- Range Code From Range Tables Above _____
- Thread Size: 4 = ¼ Npt Male (Standard); 2 = ½ Npt Male _____
- Connection Location: L = Lower (Bottom), R = Back (Rear) _____
- Dial Color: W = White _____
- If Any Gauge Options Are Desired – Specify Option Code(s) From Page 35 _____

STANDARD FEATURES

Movement: All 300 series stainless steel

Pointer: Geared micrometer adjustable, balanced

Dial: White enameled aluminum with black graduations and numerals 270° Arc

Dial Sizes: 6", 8 1/2"

Thread Size: 1/4 male NPT; 1/2 male NPT

Connection Location: Lower (Bottom), Back (Rear)

Case: Standard with style #4 case; Aluminum safety case (solid front, blow-out back) suitable for surface or direct mounting.

Optional Case Style:

(6" size only)

Back connect #6 Aluminum Flush

Bourdon Tube: See Table Below

Socket: See Table Below



PRESSURE RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PC	0-15 psi	1 psi	.25 psi
PD	0-30 psi	5 psi	.5 psi
PE	0-60 psi	10 psi	1 psi
PF	0-100 psi	10 psi	1 psi
PG	0-160 psi	20 psi	2 psi
PH	0-200 psi	20 psi	2 psi
PJ	0-300 psi	50 psi	5 psi
PK	0-400 psi	50 psi	5 psi
PM	0-600 psi	100 psi	10 psi
PO	0-800 psi	100 psi	10 psi
PP	0-1000 psi	100 psi	10 psi
PR	0-1500 psi	200 psi	10 psi
PS	0-2000 psi	200 psi	20 psi
PT	0-3000 psi	500 psi	20 psi
PV	0-5000 psi	500 psi	50 psi
PY	0-10,000 psi	1000 psi	100 psi
PZ	0-15,000 psi	3000 psi	100 psi
P2	0-20,000 psi	2000 psi	200 psi

COMPOUND RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
CA	30"-0- 15 psi	5" & 3 psi	.5"/.2 psi
CB	30"-0- 30 psi	10" & 5 psi	1"/.5 psi
CC	30"-0- 60 psi	10" & 10 psi	1"/1 psi
CD	30"-0-100 psi	30" & 10 psi	2"/1 psi
CE	30"-0-150 psi	30" & 20 psi	5"/2 psi
CF	30"-0-200 psi	30" & 20 psi	5"/2 psi
CG	30"-0-300 psi	30" & 50 psi	10"/.5 psi
CI	30"-0-600 psi	30" & 100 psi	10"/10 psi

VACUUM RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
VC	30"-0 Hg. Vac	3"	.2"

BOURDON TUBE AND SOCKET

CATALOG NO.	BOURDON TUBE & SOCKET MATERIAL	DIAL SIZE	GAUGE TYPE
AA16	Brass/ Bronze	6"	Dry
AS16		6"	Herm. Seal.
AY16		6"	Liq. Fill
AA26	Monel	6"	Dry
AS26		6"	Herm. Seal.
AY26		6"	Liq. Fill
AA46	316 SS	6"	Dry
AS46		6"	Herm. Seal.
AY46		6"	Liq. Fill
AA48		8 1/2"	Dry (only)

CASE STYLES

OPTIONAL CASE STYLES
BACK CONNECT
#6 Aluminum Flush (6" Back Conn. Only)

NOTES:

- Royal Gauges are calibrated in accordance with ASME B40.1 Grade 2A (±1/2%).
- Metric dials can be furnished, see page 25.

HOW TO ORDER

A A 4 6 4 P F 4 L W ()

- Basic 4-digit Catalog No. From Table Above _____
- Aluminum case style #4 standard or case style from above table _____
- Range Code From Range Tables Above _____
- Thread Size: 4 = 1/4 Npt Male (Standard); 2 = 1/2 Npt Male _____
- Connection Location: L = Lower (Bottom), R = Back (Rear) _____
- Dial Color: W = White _____
- If Any Gauge Options Are Desired – Specify Option Code(s) From Page 35 _____

STANDARD FEATURES

Movement: All 300 series stainless steel
Pointer: Geared micrometer adjustable, balanced
Dial: White enameled aluminum with black graduations and numerals 270° Arc
Dial Sizes: 4½"
Thread Size: ¼ male NPT; ½ male NPT
Connection Location: Lower (Bottom), Back (Rear)
Case: Standard with style #2 case; Polypropylene safety case (solid front, blow-out back) suitable for surface or direct mounting (standard).

Bourdon Tube: 316 stainless steel
Socket: 316 stainless steel

Receiver gauges are used with a transmitter (transducer) to translate distant point air signals into units of pressure, temperature, liquid level or flow. Outer scale marked with equal increments of transmitted signal, inner scale graduated with units of specific measured variable (i.e.: square root, %).



AR44

STANDARD RANGES (3-15 PSI SIGNAL)			
CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
OC	0-100	1 psi	.25 psi
OH	0-10 Sq. Rt.	5 psi	.5 psi

BOURDON TUBE AND SOCKET			
CATALOG NO.	BOURDON TUBE & SOCKET MATERIAL	DIAL SIZE	GAUGE TYPE
AR44	316 SS	4½"	Receiver

CASE STYLES	
OPTIONAL CASE STYLE	
LOWER CONNECT	BACK CONNECT
#4 Style Alum. Safety	#6 Style Alum. Flush

- NOTES:**
 1. Royal Gauges are calibrated in accordance with ASME B40.1 Grade 2A (±1/2%).

HOW TO ORDER

A R 4 4 2 O C 4 L W ()

1. Basic 4-digit Catalog No. From Table Above _____
2. Polypropylene Case Style #2 (Standard) or case style from above table _____
3. Range Code From Range Tables Above _____
4. Thread Size: 4 = ¼ Npt Male (Standard); 2 = ½ Npt Male _____
5. Connection Location: L = Lower (Bottom), R = Back (Rear) _____
6. Dial Color: W = White _____
7. If Any Gauge Options Are Desired – Specify Option Code(s) From Page 35 _____

STANDARD FEATURES

Available in 3½" dial sizes, Regal pressure gauges are liquid fillable and field convertible for panel mounting. Both zero and span adjustments are standard. The gauge is available dry, liquid-filled weatherproof or hermetically sealed.

- Designed for safety and long life
- All stainless, all-welded construction for long life
- ASME Grade 1A, 1% accuracy full scale
- No stop pin to mask false zero reading – ensures safety and process control
- Bourdon tube, see table below
- Socket, see table below



BA43

PRESSURE RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PC	0-15 psi	1 psi	.25 psi
PD	0-30 psi	5 psi	.5 psi
PE	0-60 psi	10 psi	1 psi
PF	0-100 psi	10 psi	1 psi
PG	0-160 psi	20 psi	2 psi
PH	0-200 psi	20 psi	2 psi
PJ	0-300 psi	50 psi	5 psi
PK	0-400 psi	50 psi	5 psi
PM	0-600 psi	100 psi	10 psi
PO	0-800 psi	100 psi	10 psi
PP	0-1000 psi	100 psi	10 psi
PR	0-1500 psi	200 psi	10 psi
PS	0-2000 psi	200 psi	20 psi
PT	0-3000 psi	500 psi	20 psi
PV	0-5000 psi	500 psi	50 psi
PY	0-10,000 psi	1000 psi	100 psi
PZ	0-15,000 psi	3000 psi	100 psi

VACUUM RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
VC	30"-0 Hg. Vac	3"	.2"

BOURDON TUBE AND SOCKET

CATALOG NO.	BOURDON TUBE & SOCKET MATERIAL	DIAL SIZE	GAUGE TYPE
BA13	Brass/Bronze ⁽¹⁾	3½"	Dry
BS13			Herm. Sealed
BY13			Liquid Fill
BA43	316 SS		Dry
BS43			Herm. Sealed
BY43			Liquid Fill

CASE STYLES

OPTIONAL CASE STYLE*	
LOWER CONNECT	BACK CONNECT
"X" Style SS Back Flanged	"X" Style SS
	Back Flanged
	"U" Style SS
	U-Clamp
	"V" Style SS
	Front Flanged

*See page 26 for case dimensions.

COMPOUND RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
CA	30"-0- 15 psi	5" & 3 psi	.5"/.2 psi
CB	30"-0- 30 psi	10" & 5 psi	1"/.5 psi
CC	30"-0- 60 psi	10" & 10 psi	1"/.1 psi
CD	30"-0-100 psi	30" & 10 psi	2"/.1 psi
CE	30"-0-150 psi	30" & 20 psi	5"/.2 psi
CF	30"-0-200 psi	30" & 20 psi	5"/.2 psi
CG	30"-0-300 psi	30" & 50 psi	10"/.5 psi
CI	30"-0-600 psi	30" & 100 psi	10"/10 psi

NOTES:

1. Brass/Bronze maximum range is 1000 psi.
2. Metric dials available, see page 25.

HOW TO ORDER

B A 4 3 Y P F 4 L W ()

1. Basic 4-digit Catalog No. From Table Above _____
2. Stainless Steel Case Style "Y" Standard or case style from above table _____
3. Range Code From Range Tables Above _____
4. Thread Size: 4 = ¼ Npt Male (only) _____
5. Connection Location: L = Lower (Bottom), R = Back (Rear) _____
6. Dial Color: W = White _____
7. If Any Gauge Options Are Desired – Specify Option Code(s) From Page 35 _____

STANDARD FEATURES

Movement: All 300 series stainless steel
Pointer: Geared micrometer adjustable, balanced

Dial: White enameled aluminum with black graduations and numerals 270° Arc

Dial Sizes: 4 1/2"

Thread Size: 1/4 male NPT; 1/2 male NPT

Connection Location: Lower (Bottom), Back (Rear)

Case: Polypropylene safety case #2 (solid front, blow-out back) suitable for surface or direct mounting (standard).

Bourdon Tube: Bronze

Socket: Brass



BA14

PRESSURE RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PC	0-15 psi	1 psi	.25 psi
PD	0-30 psi	5 psi	.5 psi
PE	0-60 psi	10 psi	1 psi
PF	0-100 psi	10 psi	1 psi
PG	0-160 psi	20 psi	2 psi
PH	0-200 psi	20 psi	2 psi
PJ	0-300 psi	50 psi	5 psi
PK	0-400 psi	50 psi	5 psi
PM	0-600 psi	100 psi	10 psi
PO	0-800 psi	100 psi	10 psi
PP	0-1000 psi	100 psi	10 psi

VACUUM RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
VC	30"-0 Hg. Vac	3"	.2"

BOURDON TUBE AND SOCKET

CATALOG NO.	BOURDON TUBE & SOCKET MATERIAL	DIAL SIZE	GAUGE TYPE
BA14	Brass/Bronze ⁽²⁾	4 1/2"	Dry
BS14			Herm. Seal.
BY14			Liquid Fill

COMPOUND RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
CA	30"-0- 15 psi	5" & 3 psi	.5"/2 psi
CB	30"-0- 30 psi	10" & 5 psi	1"/.5 psi
CC	30"-0- 60 psi	10" & 10 psi	1"/1 psi
CD	30"-0-100 psi	30" & 10 psi	2"/1 psi
CE	30"-0-150 psi	30" & 20 psi	5"/2 psi
CF	30"-0-200 psi	30" & 20 psi	5"/2 psi
CG	30"-0-300 psi	30" & 50 psi	10"/5 psi
CI	30"-0-600 psi	30" & 100 psi	10"/10 psi

CASE STYLES

OPTIONAL CASE STYLE	
LOWER CONNECT	BACK CONNECT
"X" Style SS Back Flng.	"X" Style SS Back Flng.
"Y" Style SS	"U" Style SS U- Clamp
#4 Style Alum. Safety	"V" Style SS Front Flng.
	"Y" Style SS
	#4 Style Alum. Safety
	#6 Style Alum. Safety

NOTES:

1. Regal gauges are calibrated in accordance with ASME B40.1 Grade 1A (±1%).
2. Brass/Bronze maximum range is 1000 psi.

HOW TO ORDER

B A 1 4 2 P F 4 L W ()

1. Basic 4-digit Catalog No. from Table Above _____
2. Polypropylene Case Style #2 (Standard) or choose from above table _____
3. Range Code From Range Tables Above _____
4. Thread Size: 4 = 1/4 Npt Male (Standard); 2 = 1/2 Npt Male _____
5. Connection Location: L = Lower (Bottom), R = Back (Rear) _____
6. Dial Color: W = White _____
7. If Any Gauge Options Are Desired – Specify Option Code(s) From Page 35 _____

STANDARD FEATURES

Movement: All 300 series stainless steel
Pointer: Geared micrometer adjustable, balanced
Dial: White enameled aluminum with black graduations and numerals 270° Arc
Dial Sizes: 6", 8½", 12"
Thread Size: ¼ male NPT; ½ male NPT
Connection Location: Lower (Bottom), Back (Rear)⁽³⁾
Case: 6", 8½" Aluminum safety case (solid front, blow-out back) suitable for surface or direct mounting (4 Style).

12" Aluminum (open front)
 Back Flanged: (E style)
Bourdon Tube: See table below
Socket: See table below



PRESSURE RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PC	0-15 psi	1 psi	.25 psi
PD	0-30 psi	5 psi	.5 psi
PE	0-60 psi	10 psi	1 psi
PF	0-100 psi	10 psi	1 psi
PG	0-160 psi	20 psi	2 psi
PH	0-200 psi	20 psi	2 psi
PJ	0-300 psi	50 psi	5 psi
PK	0-400 psi	50 psi	5 psi
PM	0-600 psi	100 psi	10 psi
PO	0-800 psi	100 psi	10 psi
PP	0-1000 psi	100 psi	10 psi
PR	0-1500 psi	200 psi	10 psi
PS	0-2000 psi	200 psi	20 psi
PT	0-3000 psi	500 psi	20 psi
PV	0-5000 psi	500 psi	50 psi
PY	0-10,000 psi	1000 psi	100 psi
PZ	0-15,000 psi	3000 psi	100 psi
P2	0-20,000 psi	2000 psi	200 psi

VACUUM RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
VC	30"~0 Hg. Vac	3"	.2"

BOURDON TUBE AND SOCKET

CATALOG NO.	BOURDON TUBE & SOCKET MATERIAL	DIAL SIZE	GAUGE TYPE
BA16	Brass/Bronze ⁽⁴⁾	6"	Dry
BS16			Herm. Seal.
BY16			Liq. Fill
BA18	Brass/Bronze ⁽⁴⁾	8½"	Dry
BA49	316 SS	12"	Dry

CASE STYLES

OPTIONAL CASE STYLE	
LOWER CONNECT	BACK CONNECT
#4 Style Alum. Safety (only)	#6 Style Alum. Flush
#4 Style Alum. Safety (only)	#4 Style Alum. Safety (only)
"E" Style Alum. Safety Back Flanged	Not Available in Back Connect

COMPOUND RANGES

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
CA	30"~0- 15 psi	5" & 3 psi	.5"~.2 psi
CB	30"~0- 30 psi	10" & 5 psi	1"~.5 psi
CC	30"~0- 60 psi	10" & 10 psi	1"~1 psi
CD	30"~0-100 psi	30" & 10 psi	2"~1 psi
CE	30"~0-150 psi	30" & 20 psi	5"~2 psi
CF	30"~0-200 psi	30" & 20 psi	5"~2 psi
CG	30"~0-300 psi	30" & 50 psi	10"~5 psi
CI	30"~0-600 psi	30" & 100 psi	10"~10 psi

NOTES:

1. Regal Gauges are calibrated in accordance with ASME B40.1 Grade 1A (±1%).
2. Metric dials can be furnished, see page 25.
3. 12" available in lower connect only
4. Brass/Bronze maximum range is 1000 psi.

HOW TO ORDER

B A 1 6 4 P F 4 L W ()

1. Basic 4-digit Catalog No. From Table Above _____
2. Case Style from Table Above _____
3. Range Code From Range Tables Above _____
4. Thread Size: 4 = ¼ Npt Male (Standard); 2 = ½ Npt Male _____
5. Connection Location: L = Lower (Bottom), R = Back (Rear) _____
6. Dial Color: W = White _____
7. If Any Gauge Options Are Desired – Specify Option Code(s) From Page 35 _____