

# GENERAL SERVICE GAUGES

## SERIES #10

This series is designed for use with air, gas and water or any medium not corrosive to brass or bronze.

### STANDARD FEATURES:

**MOVEMENT\*:** Sturdy corrosive resistant bronze bushed rotary type movement with bronze links and stainless steel link screws.

**POINTER\*:** Lightweight balanced construction with adjustment feature.

**DIAL:** Heavy gauge aluminum.

**WINDOW\*:** Glass.

**CONNECTION:** Brass machined connection with wrench flats, 1/4" NPT male. Connection at bottom or back of case.

**ACCURACY:** ASME/ANSI B40.1 Grade 1A (1%)

\* Additional options available as noted on next page.



4½", 6" and 8½" SIZES

### BOURDON TUBE:

ORDER CODE	BOURDON TUBE:	RANGES TO:
1	Phosphor bronze. Large bore tubing used to insure longer life of gauge. Silver soldered to socket and tip. Stress relieved. Vacuum tube is soft soldered to socket and tip.	1,000 psi

### STANDARD RANGES:

STANDARD DIAL RANGE	MAJOR	MINOR	ORDER CODE	AVAILABLE SIZES:			STANDARD DIAL RANGE	MAJOR	MINOR	ORDER CODE	AVAILABLE SIZES:		
				4½"	6"	8½" **					4½"	6"	8½" **
0-30" VAC.	5"	.20"	01	✓	✓	✓	0-15 psi	1 psi	.10 psi	02	✓	✓	✓
30"-0-15 psi	5" & 3 psi	1" & .50 psi	21	✓	✓	✓	0-30 psi	5 psi	.20 psi	03	✓	✓	✓
30"-0-30 psi	10" & 5 psi	1" & .50 psi	22	✓	✓	✓	0-60 psi	5 psi	.50 psi	04	✓	✓	✓
30"-0-60 psi	10" & 10 psi	1" & 1 psi	23	✓	✓	✓	0-100 psi	10 psi	1 psi	05	✓	✓	✓
30"-0-100 psi	30" & 10 psi	2" & 1 psi	24	✓	✓	✓	0-160 psi	20 psi	1 psi	06	✓	✓	✓
30"-0-150 psi	30" & 30 psi	5" & 2 psi	25	✓	✓	✓	0-200 psi	20 psi	2 psi	07	✓	✓	✓
30"-0-200 psi	30" & 20 psi	5" & 2 psi	26	✓	✓	✓	0-300 psi	50 psi	2 psi	08	✓	✓	✓
30"-0-300 psi	30" & 50 psi	5" & 2 psi	27	✓	✓	✓	0-400 psi	50 psi	5 psi	09	✓	✓	✓
30"-0-400 psi	30" & 50 psi	10" & 5 psi	28	✓	✓		0-500 psi	50 psi	5 psi	10	✓	✓	✓
30"-0-600 psi	30" & 50 psi	10" & 5 psi	74	✓	✓		0-600 psi	50 psi	5 psi	11	✓	✓	✓
							0-800 psi	100 psi	10 psi	12	✓	✓	✓
							0-1000 psi	100 psi	10 psi	13	✓	✓	✓

\* Above PSI Ranges are available with dual scale metric KPA or BAR scales (see page 11). Note\* 8-1/2" gauges are PSI only.

\*\* Increments may vary on 8-1/2" dials.

**AVAILABLE CASE STYLES. See Page 10 for CASE DIMENSIONS:**

**STYLE #1**

4½" Only

Aluminum Back Flange Case  
Stainless Steel Slip Fit Ring  
(Bottom or Back Connection)



**STYLE #2**

6" and 8½" Only

Aluminum Back Flange Case, Threaded Ring  
(Bottom or Back Connection)



**STYLE #5**

4½" Only

Molded Turret Case,  
Snap Ring Panel Mount Case, Hinged  
(Bottom or Back Connection)



**STYLE #6**

4½" and 6" Only

Aluminum Front Flange,  
Panel Mount Case, Hinged  
Ring, (Back Connection Only)



**STYLE #7**

4½" Only

Stainless Steel Case  
Bayonet Ring  
(Add BF for Back Flange)  
(Bottom Connection Only)



**TO ORDER:**

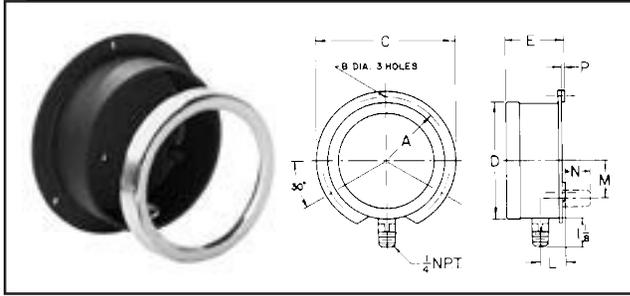
**Additional options** – To order please specify option.

Plastic Lens  
Safety Glass Lens  
Threaded Restrictor

NIST Certificate of Accuracy  
Case Blow Out Plug  
Red Max Indicating Hand

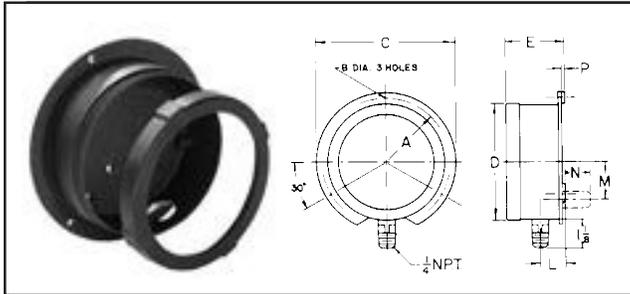
Ordering Number - Construct by selecting one item from each of the columns below:											
1	Dial Size:	2	Series Number:	3	Case Style:	4	Range Code:	5	Connection Size and Style:	6	Bourdon Tube and Socket Code:
	4½" = 4 6" = 6 8½" = 8  Example: 41016211		= 10		= 1 = 2 = 5 = 6 = 7 = 7BF		See standard range chart for code.		1 = 1/4" NPT Bottom 2 = 1/4" NPT Back		1 = Bronze
	4		10		1		62		1		1

# CASE DIMENSIONS



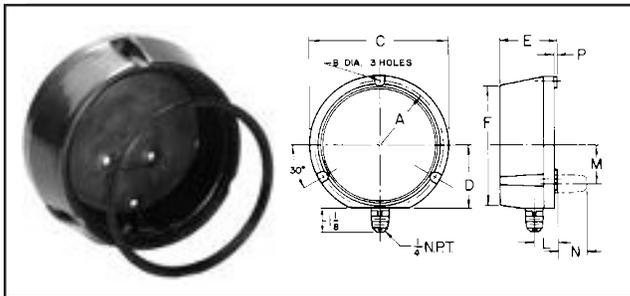
## STYLE 1 - Black Aluminum Case with Slip Ring

SIZE	A	B	C	D	E	L	M	N	P
4½"	2.68"	.20"	5.87"	4.85"	2.15"	.84"	1.28"	1.81"	.062"



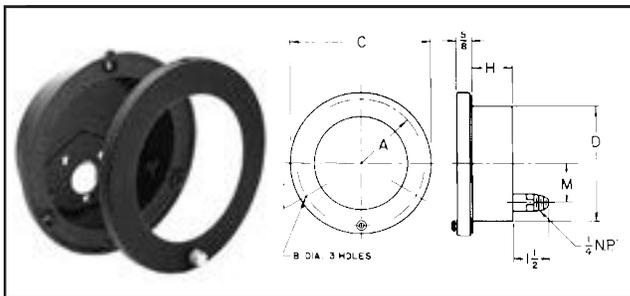
## STYLE 2 - Black Aluminum Case with Twist Ring

SIZE	A	B	C	D	E	L	M	N	P
6"	3.38"	.20"	7.62"	6.56"	2.20"	.84"	1.41"	1.81"	.062"
8½"	4.81"	.20"	10.25"	9.19"	2.20"	.84"	1.41"	1.81"	.062"



## STYLE 5 - Phenol Turret Case for Wall, Panel or Direct Mounting

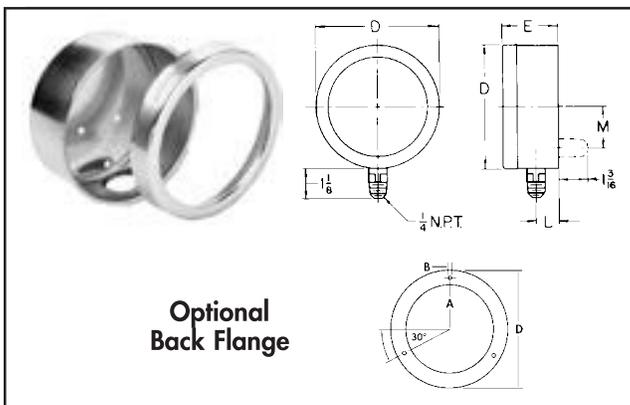
SIZE	A	B	C	D	E	F	L	M	N	P
4½"	2.69"	.22"	5.84"	2.62"	2.15"	4.93"	.875"	1.28"	1.50"	.062"



## STYLE 6 - Black Aluminum Case with Hinged Ring Front Flange

SIZE	A	B	C	D	H	M	X
4½"	2.69"	.22"	6.00"	4.75"	1.60"	1.41"	4.81"
6"	3.50"	.22"	7.62"	6.34"	1.51"	1.41"	6.47"

X = Panel Hole Cut-Out Diameter.



## STYLE 7 - Polished Stainless Steel Case with Twist Ring

SIZE	A	B	C	D	E	L	M
4½"	2.68"	.22"	5.89"	5.04"	2.32"	.73"	1.28"

# AVAILABLE METRIC DIAL FOR SERIES 10 and 20

**KPA RANGES** - 4½" and 6" Standard. 8½" by Special Order

AVAILABLE METRIC DIALS				SIZE	
DIAL RANGE	MAJOR	MINOR	ORDER CODE	4½"	6"
0-100 KPA & 0-15 psi	10 KPA & 1 psi	1 KPA & .1 psi	51	✓	✓
0-200 KPA & 0-30 psi	20 KPA & 5 psi	2 KPA & .2 psi	52	✓	✓
0-400 KPA & 0-60 psi	50 KPA & 5 psi	5 KPA & .5 psi	53	✓	✓
0-690 KPA & 0-100 psi	50 KPA & 10 psi	5 KPA & 1 psi	54	✓	✓
0-1100 KPA & 0-160 psi	100 KPA & 20 psi	10 KPA & 1 psi	55	✓	✓
0-1380 KPA & 0-200 psi	200 KPA & 20 psi	10 KPA & 2 psi	56	✓	✓
0-2000 KPA & 0-300 psi	200 KPA & 50 psi	20 KPA & 2 psi	57	✓	✓
0-2700 KPA & 0-400 psi	500 KPA & 50 psi	20 KPA & 5 psi	58	✓	✓
0-3450 KPA & 0-500 psi	500 KPA & 50 psi	25 KPA & 5 psi	59	✓	✓
0-4000 KPA & 0-600 psi	500 KPA & 50 psi	50 KPA & 5 psi	60	✓	✓
0-5500 KPA & 0-800 psi	500 KPA & 100 psi	50 KPA & 5 psi	61	✓	✓
0-6900 KPA & 0-1000 psi	1000 KPA & 100 psi	50 KPA & 10 psi	62	✓	✓
0-10000 KPA & 0-1500 psi	1000 KPA & 100 psi	100 KPA & 10 psi	63	✓	✓
0-13800 KPA & 0-2000 psi	2000 KPA & 200 psi	100 KPA & 20 psi	64	✓	✓
0-20000 KPA & 0-3000 psi	2000 KPA & 500 psi	200 KPA & 20 psi	65	✓	✓
0-34500 KPA & 0-5000 psi	5000 KPA & 500 psi	200 KPA & 50 psi	66	✓	✓
0-69000 KPA & 0-10000 psi	10000 KPA & 1000 psi	500 KPA & 100 psi	67	✓	✓

**BAR RANGES** - 4½" Standard. 6" and 8½" by Special Order

AVAILABLE METRIC DIALS				SIZE
DIAL RANGE	MAJOR	MINOR	ORDER CODE	4½"
0-1 BAR & 0-15 psi	.1 BAR & 1 psi	.01 BAR & .1 psi	31	✓
0-2 BAR & 0-30 psi	.2 BAR & 5 psi	.02 BAR & .2 psi	32	✓
0-4 BAR & 0-60 psi	.5 BAR & 5 psi	.05 BAR & .5 psi	33	✓
0-7 BAR & 0-100 psi	.5 BAR & 10 psi	.05 BAR & 1 psi	34	✓
0-11 BAR & 0-160 psi	1 BAR & 20 psi	.1 BAR & 1 psi	35	✓
0-14 BAR & 0-200 psi	2 BAR & 20 psi	.1 BAR & 2 psi	36	✓
0-20 BAR & 0-300 psi	2 BAR & 50 psi	.2 BAR & 2 psi	37	✓
0-27 BAR & 0-400 psi	5 BAR & 50 psi	.2 BAR & 5 psi	38	✓
0-40 BAR & 0-600 psi	5 BAR & 50 psi	.5 BAR & 5 psi	39	✓
0-70 BAR & 0-1000 psi	10 BAR & 100 psi	.5 BAR & 10 psi	40	✓
0-100 BAR & 0-1500 psi	10 BAR & 100 psi	1 BAR & 10 psi	41	✓
0-137 BAR & 0-2000 psi	20 BAR & 200 psi	1 BAR & 20 psi	42	✓
0-200 BAR & 0-3000 psi	20 BAR & 300 psi	2 BAR & 20 psi	43	✓
0-345 BAR & 0-5000 psi	50 BAR & 500 psi	2 BAR & 50 psi	44	✓
0-680 BAR & 0-10000 psi	100 BAR & 1000 psi	5 BAR & 100 psi	45	✓