

# STANDARD DIAL RANGES



## STEWARTS Pressure Gauge Standard Dial Ranges

### BOURDON TUBE TYPE PRESSURE GAUGES

PRESSURE (Bar)	0 to 0.6	0 to 6	0 to 60	0 to 600
	0 to 1	0 to 10	0 to 100	0 to 1000
	0 to 1.6	0 to 16	0 to 160	0 to 1600
	0 to 2.5	0 to 25	0 to 250	
	0 to 4	0 to 40	0 to 400	
VACUUM	-0.6 to 0	-1 to 0		
COMPOUND	-1 to +0.6	-1 to +3	-1 to +9	-1 to +24
	-1 to +1.5	-1 to +5	-1 to +15	

### CHEMICAL SEAL TYPE PRESSURE GAUGES

As for Bourdon Tube Type Pressure Gauges. Maximum Range 0 - 600 Bar.

### CAPSULE TYPE DRAUGHT RANGE PRESSURE GAUGES

PRESSURE (M. Bar)	0 to 10	0 to 100
	0 to 16	0 to 160
	0 to 25	0 to 250
	0 to 40	0 to 400
	0 to 60	

Vacuum and Compound Ranges produced from above standard capsules i.e. -5 to + 5 M. Bar from 0 to 10 M. Bar Capsule minimum span 10 M. Bar.

### SCHAFFER DIAPHRAGM TYPE PRESSURE GAUGES

PRESSURE (M. Bar)	0 to 40	(Bar) 0 to 0.6	
	0 to 60	0 to 1	
	0 to 100	0 to 1.6	
	0 to 160	0 to 2.5	
	0 to 250	0 to 4	
	0 to 400	0 to 6	
		0 to 10	
		0 to 16	
		0 to 25	

Vacuum and Compound Ranges produced from above standard ranges. Minimum span 40 M.Bar.

Other ranges and dual scale subject to availability. Consult Sales Office.

### BOURDON TUBE GAUGES

The majority of pressure gauges in use have a Bourdon-tube as a measuring element. (The gauge is named for its inventor, Eugene Bourdon, a French engineer.) The Bourdon tube is a device that senses pressure and converts the pressure to displacement. Since the Bourdon-tube displacement is a function of the pressure applied, it may be mechanically amplified and indicated by a pointer. Thus, the pointer position indirectly indicates pressure.

The Bourdon-tube gauge is available in various tube shapes: curved or C-shaped, helical, and spiral.

The size, shape, and material of the tube depend on the pressure range and the type of gauge desired. Low-pressure Bourdon tubes (pressures up to 2000 psi) are often made of phosphor bronze. High-pressure Bourdon tubes (pressures above 2000 psi) are made of stainless steel or other high-strength materials. High-pressure Bourdon tubes tend to have more circular cross sections than their lower-range counterparts, which tend to have oval cross sections. The Bourdon tube most commonly used is the C-shaped metal tube that is sealed at one end and open at the other.

We manufacture a wide range of instruments to customer's special requirements  
We shall be pleased to discuss and advise on your specifications.

*Specifications and dimensions in this leaflet, are subject to change without prior notice.*

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