

Pressure & Temperature Product Digest



"Renowned for Safety, Quality, Reliability"





Model 41S



Model 20SV (Panel Mount)

HEAVY DUTY, ALL STAINLESS STEEL

Sizes (Models)	2" (30S), 2.5" (20S), 4" (40S = 1/4") (41S = 1/2"), 4.5" (49S), 6" (60S & 61S)
Case / Socket	316 Stainless Steel, Repairable / Restrictor Screw Standard
Bezel Ring	Bayonet Type (removable), Polished 316 Stainless
Lens	Laminated Safety Glass
Wetted Parts	316 Stainless Steel <u>Optional:</u> Monel® (NACE)
Liquid Filling	Dry / Liquid Fillable, Glycerin-Filled (Silicone Optional), VibraGauge® option
Accuracy (Dry, Non-Vibrage)	± 0.5% (4" & 6"), ± 1.0% (20S & 30S), ± 1.5% & (Inches of H2O, 15K psi and over)
Ranges (Metric Scales Available)	Inches of H2O, Vacuum, Comp. (NH3 scale avail.), Rec. 3-15, & up to 100,000 ³ PSI
Configurations	Bottom, Back, Clamp Panel, Front Flange Panel, Rear Flange
Options	Solid Front, SnubbaGauge®, Drag Pointer, False Read Dials, O2, Cal. Certs, Custom Logo



Model 42S



Model 21S (Panel Mount)

UTILITY, ALL STAINLESS STEEL

Sizes (Model # and NPT)	1 1/2" (10S = 1/8") ² , 2 1/2" (21S = 1/4") ¹ , 4" (42S = 1/4") ¹ , (43S = 1/2") ¹
Case / Socket	316 SS ¹ , One-Piece Welded Stem ¹ / Restrictor Screw ¹ (removable) (² 304 SS on Model 10S)
Bezel Ring	316 Stainless Steel ¹ (2 1/2" & 4"), Crimped-On (² 304 SS on Model 10S)
Lens	Polycarbonate
Wetted Parts	316 Stainless Steel
Liquid Filling	Dry / Liquid Fillable, or Glycerin-Filled. (Silicone Optional)
Accuracy (mid-scale)	± 1.0% (2.5 and 4 inch) ± 2.0% (10S)
Ranges	Vacuum, Compound (NH3 scale available), Receiver 3-15, up to 10,000 PSI
Configurations	Bottom, Back, Clamp Panel, Front Flange Panel, Rear Flange
Options	O2 Cleaned, Calibration Certificates, Custom Logos



Model 54SD



Model 51SV

(Safety Zone Glow Dial - Reflective Pointer Option)

PROCESS GAUGES

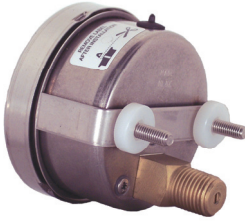
Sizes (Model # and NPT)	4.5" Fillable (54SD = 1/2"). Vibragauge® (50SV = 1/4") (51SV = 1/2")
Case / Socket	Phenolic - Fiberglass Reinforced Blow-Out Back / Threaded Inlet
Bezel Ring	Threaded Fiberglass / Polycarbonate
Lens	Laminated Safety Glass
Wetted Parts	316 Stainless Steel <u>Optional:</u> Monel® (NACE)
Liquid Filling	Dry, Filled (54SD). Vibragauge® HD (50SV or 51SV) (Eliminates filling)
Accuracy (Dry, Non-Vibrage)	± 0.5% (Inches of H2O, 15K & 20K are ± 1.5%) Vibragauge® ± 1.0%
Ranges (Metric Scales Available)	Inches of H2O, Vacuum, Compound, Receiver 3-15, up to 20,000 ³ PSI
Configurations	Bottom connection only (20K psi range: High Pressure Connection only)
Options	Safety Zone Glow Dial (51SV), Vibragauge® (51SV). Glycerin-Filled (54SD)

VibraGauge®: Heavy duty dampened movement. Eliminates need for liquid-filling. Reduces pointer flutter. Suitable for pneumatic pulsation and vibration applications.

SnubbaGauge®: Piston snubber built into socket. Comes with four changeable pistons based upon media viscosity. Suitable for hydraulic pulsation applications.



Model 20B



Model 20B (Clamp Panel)

HEAVY DUTY, BRASS INTERNALS

Sizes (Model # and NPT)	2.5" (20B = 1/4"), 4" (40B = 1/4") (41B = 1/2"), 6" (60B = 1/4") (61B = 1/2")
Case	316 Stainless Steel, Repairable / Restrictor Screw Standard
Bezel Ring	Bayonet, Polished 316 Stainless, Removable
Lens	Laminated Safety Glass
Wetted Parts	Brass
Liquid Filling	Dry / Liquid Fillable, Glycerin-Filled (Silicone Optional), VibraGauge®
Accuracy (Dry, Non-Vibrage)	± 0.5% (40B • 41B & 60B • 61B), ± 1.0% (20B), (± 1.5% Inches of H2O)
Ranges (Metric Scales Available)	Inches of H2O, Vacuum, Comp., Rec.3-15, up to 6,000 PSI, Pneumo, FSW-MSW
Configurations	Bottom, Back, Clamp Panel, Front Flange Panel, Rear Flange
Options	Drag Pointer, 7/16 SAE, O2 Cleaned, Calibration Cert, Logos, Vibrageauge



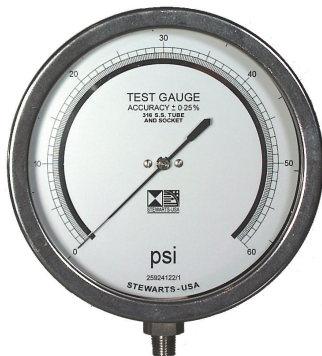
Model 23B



Model 12B (Center-Back)

UTILITY GAUGES

Sizes (Model # and NPT)	1.5" (Models: 11B, 12B, 13B = 1/8") • 2" (Models: 32B, 33B, 34B = 1/8 or 1/4) 2.5" (Models: 23B, 24B, 25B = 1/4") • 4" (Models: 46B or S = 1/4 or 47B or S = 1/2)
Case Options	Black Steel (12B, 34B, 25B). 304 SS (11B, 13B, 32B, 33B, 23B, 24B, 46B, 47B)
Bezel Ring	Crimped-On on SS Case. Pressed-Fit on Black Steel Case.
Lens	Polycarbonate or Tempered Glass or Safety Glass option (per model)
Wetted Parts	Brass. 316 SS Option (2.5": 22S or 23S & 4": 46S or 47S)
Liquid Filling	Dry or Glycerin-Filled
Accuracy	± 3 / 2 / 3% or 1.6% option special order
Ranges (Tri-Scale Standard)	Vacuum, Compound, Receiver 3-15 psi, up to 15K (Tri-Scale: PSI-Bar - x 100 KPa)
Configurations	Bottom, Back, Clamp Panel, Front Flange Panel
Options	Custom Dials, Scales, and/or Company Logos



Model 62ST

TEST GAUGES

Sizes (Model # and NPT)	4" (44ST & BT = 1/4") (45ST & BT = 1/2"), 6" (62ST & BT = 1/4") (63ST & BT = 1/2")
Case	316 SS (10" size optional)
Bezel Ring	Bayonet, Polished 316 Stainless, Removable
Lens	Laminated Safety Glass
Wetted Parts	316 Stainless Steel = ST • Brass = BT
Liquid Filling	Not Applicable. (Test gauges should not be filled)
Accuracy (full-scale)	± 0.25% with Mirror Dial and Knife-Edge Pointer
Ranges (Metric Scales Available)	Vacuum, Compound, ± 0.25% up to 15,000 PSI; ± 0.50% 20KSI to 35KSI
Configurations	Bottom, Back, Clamp Panel, Front Flange Panel, Rear Flange
Included	NIST Calibration Chart, Dated Calibration Sticker

* High Pressure Connections: Above 15,000 psi, high pressure connections required. (35,000 psi max pressure on 4 inch dial; 6 inch dial, solid-front safety pattern case standard on pressures above 35KSI).

For correct use and application of all Stewarts-USA products, please refer to the proper standard as set forth by ASME and our Guidance of Use (stewartsusa.com). The ASME B40.1 may be obtained from the American Society of Mechanical Engineers: ASME Two Park Avenue, New York, NY 10016-5990 U.S.A. (973) 882-1170 asme.org



6786 Tipperary Ln
Houston, TX 77061 USA
(713) 643-1022 Phone
(713) 643-2855 Fax
(800) 901-1316 Toll Free
www.STEWARTSUSA.com

WE DESIGN & MANUFACTURE:

PRESSURE GAUGES • TEMPERATURE GAUGES • HIGH PRESSURE NEEDLE & BALL VALVES • NEEDLE VALVE & BALL VALVE MANIFOLDS • MONOFLANGES & OS&Y MONOFLANGES • DOUBLE BLOCK & BLEED VALVES • INJECTION VALVES • SAMPLING VALVES • DISTRIBUTION MANIFOLDS & INSTRUMENTATION • PANEL & INSTRUMENT ASSEMBLIES-ENCLOSURES • CUSTOM APPLICATIONS WELCOME

GAS ACTUATED - REMOTE READING THERMOMETERS



Back Connect / Capillary - Remote

Sizes (inches)	4" & 5"
Case	304ss Standard. 316ss Option
Scale	Fahrenheit or Celsius or Dual
Lens	Glass & Safety Glass versions
Construction	304ss External Parts. 316ss option for wetted. Welded Construction.
Dial	Anodized Aluminum, black figures
Accuracy	± 1% of Full Span and ± 2% versions available
Configurations	Specify: Any Angle, Back, Capillary Length, Probe Type, Dimensions, Dials, etc.

BIMETAL THERMOMETERS



Straight Back



Adjustable Angle

Sizes (inches) (model #)	3" (Models: S3110 & S4110) • 5" (Models: S3710 & S4210)
Stem Lengths (inches)	2.5, 4, 6, 9, 12, 15, 18 and 24" (available up to 120 inches)
Stem Diameter (inches)	.250" standard up to 42 inch stem; .375" standard over 42 inch stem
Lens	Glass (standard)
Construction	304ss External Parts. Welded Construction.
Dial	Anti-Parallax dial. Anodized Aluminum. Dual-Scale (F & C)
Accuracy	± 1% of Full Span
Configurations	<u>Straight Back</u> (S3310 = 3", S3710 = 5") • <u>Any Angle</u> (S4110 = 3", S4210 = 5")
Connection	1/2" NPT (standard) Other options on request.
Options	Thermowells, Safety Zone Reflective Glow®, Drag Pointers

VALVES - ACCESSORIES - SPECIALTY GAUGES



SnubbaGauge®



Sub Sea Gauges

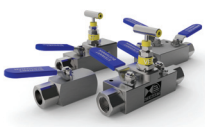


Custom Gauges
Custom Dials



Digital Gauges

Digital Gauges	Accuracy ±0.25% standard. Selectable scales. <u>Ranges:</u> (Up to 0-10K psi). 1/4 npt
Diaphragm Seals	Flanged, Threaded, Saddle, Clamped, Sanitary, Mini-Seals, Capillaries
Valves (See valve catalog)	Ball Valves, Needle Valves. (NACE MR-01-75 Avail.) 6ksi-10ksi-30ksi available
SnubbaGauge®	Hybrid Gauge & Piston Snubber (4 changeable pistons) for pulsating service.
Over-Pressure Protectors	Over-Pressure Protectors protect gauges from sudden spikes in pressure
Sub Sea Gauges	Compensated and Non-Compensated Models. Contact us for more info.
Manifolds (See Manifold catalog)	Isolate - Vent - Equalize 2, 3, 4, 5 Valve versions Many Configurations



Ball Valves



Needle Valves



Mini - Seals



Siphons



Manifolds



Over-Pressure Protector



Max-Min Pointers



Swivemas®

Visit www.STEWARTSUSA.com for more info on: Contact Gauges, Differential Pressure, Sub Sea, Valves, Manifolds, Dimensional Data, CAD Files, Data Sheets, Part Numbers, etc.