

Water Gauges & Accessories

20-100 & 20-150 Series



Standard Pattern Bronze Water Gauges

Use for all types of liquid level verification; available with 3/8" or 1/2" NPT male pipe connections. Aluminum or plastic composition hand wheels; EPDM gauge glass gaskets standard. Other glass gaskets available.

- Ball checks standard on **20-150** models
- Equipped with two copper guard rods
- Standard 1/4" needle drain valve in lower arm
- Rated: 125 psig @ 350°F, 300 psig @ 100°F (See note!)
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|--------------|-----------------|---------------------|----------------|-------------|
| 20-101 | 3/8 | 5/8 x 10 | 145 | ALUMINUM |
| 20-102 | 3/8 | 5/8 x 10 | 145 | COMPOSITION |
| 20-104 | 1/2 | 5/8 x 12 | 160 | ALUMINUM |
| 20-105 | 1/2 | 5/8 x 12 | 160 | COMPOSITION |
| 20-150 | 1/2 | 5/8 x 12 | 160 | ALUMINUM |
| 20-151 | 1/2 | 5/8 x 12 | 160 | COMPOSITION |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.



20-200, 20-250 & 25-200 Series



Heavy Pattern Bronze Water Gauges

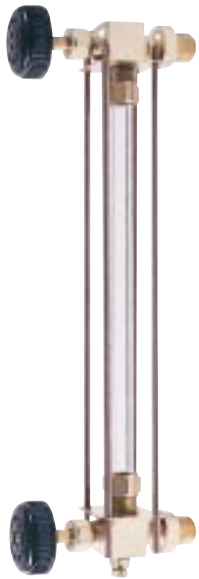
All standard 20 Series features but with a heavier valve body pattern for higher service ratings.

- Available with 3/8", 1/2" and 3/4" MNPT fittings
- Ball checks standard on **20-250** models
- Polished finish on **25-200** valves
- Rated: 200 psig @ 400°F, 400 psig @ 100°F (See note!)
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|--------------|-----------------|---------------------|----------------|-------------|
| 20-201 | 3/8 | 5/8 x 10 | 185 | ALUMINUM |
| 20-202 | 3/8 | 5/8 x 10 | 189 | COMPOSITION |
| 20-204 | 1/2 | 5/8 x 12 | 205 | ALUMINUM |
| 20-205 | 1/2 | 5/8 x 12 | 205 | COMPOSITION |
| 20-207 | 3/4 | 3/4 x 16 | 270 | ALUMINUM |
| 20-208 | 3/4 | 3/4 x 16 | 270 | COMPOSITION |
| 20-250 | 1/2 | 5/8 x 12 | 195 | ALUMINUM |
| 20-251 | 1/2 | 5/8 x 12 | 200 | COMPOSITION |
| 20-253 | 3/4 | 3/4 x 16 | 355 | ALUMINUM |
| 20-254 | 3/4 | 3/4 x 16 | 360 | COMPOSITION |
| 25-201 | 3/8 | 5/8 x 10 | 180 | ALUMINUM |
| 25-202 | 3/8 | 5/8 x 10 | 185 | COMPOSITION |
| 25-204 | 1/2 | 5/8 x 12 | 190 | ALUMINUM |
| 25-205 | 1/2 | 5/8 x 12 | 190 | COMPOSITION |
| 25-207 | 3/4 | 3/4 x 16 | 290 | ALUMINUM |
| 25-208 | 3/4 | 3/4 x 16 | 295 | COMPOSITION |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

20-300, 20-350, 25-400 & 25-500 Series



Square Pattern Bronze Water Gauges

Available with 1/2" (ASTM B-16 brass bar stock) or 3/4" (B-584 cast bronze) NPT male pipe connections. Four guard rods and EPDM gauge glass gaskets standard. Other glass gaskets available.

- Standard 1/4" needle drain valve in lower arm
- Pet cock or Apollo® ball valve drain on request
- Polished finish on **25-400** and **25-500**
- Ball checks standard on **20-350** and **25-500**
- Rated: 200 psig @ 400°F, 400 psig @ 100°F except for **25-400** (See note!)
- **25-400** Rated=125 psig@350°F, 300 psig@100°F (See note!)
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|--------------|-----------------|---------------------|----------------|-------------|
| 20-304 | 1/2 | 5/8 x 12 | 260 | ALUMINUM |
| 20-305 | 1/2 | 5/8 x 12 | 270 | COMPOSITION |
| 20-307 | 3/4 | 3/4 x 16 | 345 | ALUMINUM |
| 20-308 | 3/4 | 3/4 x 16 | 365 | COMPOSITION |
| 20-350 | 1/2 | 5/8 x 12 | 265 | ALUMINUM |
| 20-351 | 1/2 | 5/8 x 12 | 265 | COMPOSITION |
| 20-353 | 3/4 | 3/4 x 16 | 360 | ALUMINUM |
| 20-354 | 3/4 | 3/4 x 16 | 365 | COMPOSITION |
| 25-404 | 1/2 | 5/8 x 12 | 285 | ALUMINUM |
| 25-405 | 1/2 | 5/8 x 12 | 285 | COMPOSITION |
| 25-407 | 3/4 | 3/4 x 16 | 350 | ALUMINUM |
| 25-408 | 3/4 | 3/4 x 16 | 350 | COMPOSITION |
| 25-501 | 1/2 | 5/8 x 12 | 290 | ALUMINUM |
| 25-502 | 1/2 | 5/8 x 12 | 290 | COMPOSITION |
| 25-504 | 3/4 | 3/4 x 16 | 355 | ALUMINUM |
| 25-505 | 3/4 | 3/4 x 16 | 355 | COMPOSITION |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

20-400 & 20-410 Series



Side Mounted Handwheel Water Gauges

Side-mounted handwheels allow water gauge operation in hard to reach places; with all the **20 Series** design features.

- Ideal for concealed jacketed type boilers
- No guard rod brackets: **20-405, 20-406, 20-410**
- Brackets and guard rods standard: **20-407, 20-408**
- EPDM standard gauge glass gasket
- Compact - requires minimum space
- Standard 1/4" needle drain valve
- Rated: 125 psig @ 350°F, 300 psig @ 100°F (See note!)
- 1-1/4" Extended shank length; 20-410
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|--------------|-----------------|---------------------|----------------|------------|
| 20-405-00 RH | 1/2 | 5/8 x 12 | 165 | ALUMINUM |
| 20-406-00 LH | 1/2 | 5/8 x 12 | 165 | ALUMINUM |
| 20-407-00 RH | 1/2 | 5/8 x 12 | 170 | ALUMINUM |
| 20-408-00 LH | 1/2 | 5/8 x 12 | 170 | ALUMINUM |
| 20-410-00 LH | 1/2 | 5/8 x 12 | 180 | ALUMINUM |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

20-700 & 20-710 Series



Simple Expansion Tank Gauges

Available with 3/8" or 1/2" MNPT connections; EPDM gauge glass gaskets and 1/4" needle drain valve in lower arm are both standard.

- **20-710** has plug in top arm to insert glass straight through
- 1/4" pet cock or Apollo® ball valve optional
- Ball checks on request (**20-704** only)
- Rated: 125 psig @ 350°F, 300 psig @ 100°F (See note!)
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) |
|--------------|-----------------|---------------------|----------------|
| 20-703-00 | 3/8 | 5/8 x 10 | 120 |
| 20-704-00 | 1/2 | 5/8 x 12 | 135 |
| 20-713-00 | 3/8 | 5/8 x 10 | 120 |
| 20-714-00 | 1/2 | 5/8 x 12 | 135 |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.



23-600 Series



Stainless Steel Expansion Tank Gauges

Holds all 316 stainless steel-compatible liquids. In lower arm: shut-off valve and stainless steel drain valve.

- Two stainless steel guard rods
- Rated: 250 psig at 406°F: maximum working pressure (See note!)
- Standard PTFE reinforced gauge glass gaskets
- High pressure glass standard
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|--------------|-----------------|---------------------|----------------|-------------|
| 23-651-00 | 1/2 | 5/8 x 12 | 225 | ALUMINUM |
| 23-654-00 | 3/4 | 5/8 x 12 | 225 | COMPOSITION |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

20-600 & 20-800 Series



Bronze Expansion Tank Gauges

Bottom arm shut-off valve prevents water leaks during gauge glass changes.

- EPDM standard gauge glass gasket
- **20-800** models: 1/4" NPT pipe thread in upper arm for pressure gauge standard
- Rated: 200 psig @ 400°F, 400 psig @ 100°F (See note!)
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|--------------|-----------------|---------------------|----------------|-------------|
| 20-604-00* | 1/2 | 5/8 x 12 | 155 | ALUMINUM |
| 20-605-00* | 1/2 | 5/8 x 12 | 175 | COMPOSITION |
| 20-804-00* | 1/2 | 5/8 x 12 | 160 | ALUMINUM |
| 20-805-00* | 1/2 | 5/8 x 12 | 160 | COMPOSITION |

*Automatic model

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

24-600 & 24-650 Series



Chain Lever Water Gauges

Lever on standard 12-foot chain allows operator to open and close valves that would be beyond reach. Valve stems operate on quarter-turns.

- Rated 250 psig @ 400°F, 500 psig @ 100°F (See note!)
- Use on large boilers with inconvenient columns
- Automatic and non-automatic models
- Furnished with 12 feet of chain and 5/16" diameter full-blow valve with safety handle
- High pressure glass standard with the 24 series
- CRN Registered
- Standard PTFE reinforced gauge glass gasket

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) |
|--------------|-----------------|---------------------|----------------|
| 24-601-00 | 1/2 | 5/8 x 12 | 515 |
| 24-602-00 | 3/4 | 3/4 x 16 | 580 |
| 24-651-00* | 1/2 | 5/8 x 12 | 515 |
| 24-652-00* | 3/4 | 3/4 x 16 | 580 |

* Automatic model

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

20-600 & 25-600 Series



Chain Lever Water Gauges

Lever on standard 12-foot chain allows operator to open and close valves that would be beyond reach. Valve stems operate on quarter-turns.

- Quick opening, non-automatic
- Service rating: 250 psig @ 400°F, 500 psig @ 100°F (See note!)
- EPDM standard gauge glass gasket
- Standard 1/4" needle drain valve
- Furnished with 12 feet of chain
- H-2485 pull handle available
- CRN Registered

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) |
|--------------|-----------------|---------------------|----------------|
| 25-601-00* | 1/2 | 5/8 x 12 | 335 |
| 25-602-00* | 3/4 | 3/4 x 16 | 350 |
| 20-601-00** | 1/2 | 5/8 x 12 | 370 |
| 20-602-00** | 3/4 | 3/4 x 16 | 435 |

* Polished Finish

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

** Ball valve not included. Includes 1/4" needle drain.

24-300 & 24-350 Bronze Liquid Level Gauges

Automatic and non-automatic direct reading gauges in shank pipe sizes 1/2" and 3/4".



- Heavy pattern bronze valve body
- Guard rod bracket to accommodate four guard rods
- PTFE reinforced gauge glass gasket and stem packing are standard
- Automatic - conforms to ASME power boiler code requirements for automatic water gauges; ball checks in upper and lower arms
- High pressure gauge glass and gaskets are standard
- CRN Registered
- Rated 250 psig @ 400°F, 500 psig @ 100°F (See note!)

| | Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|---------------|--------------|-----------------|---------------------|----------------|-------------|
| Non-Automatic | 24-301-00 | 1/2 | 5/8 x 12 | 425 | ALUMINUM |
| | 24-302-00 | 1/2 | 5/8 x 12 | 425 | COMPOSITION |
| | 24-304-00 | 3/4 | 3/4 x 16 | 490 | ALUMINUM |
| | 24-305-00 | 3/4 | 3/4 x 16 | 490 | COMPOSITION |
| Automatic | 24-350-00 | 1/2 | 5/8 x 12 | 425 | ALUMINUM |
| | 24-351-00 | 1/2 | 5/8 x 12 | 425 | COMPOSITION |
| | 24-353-00 | 3/4 | 3/4 x 16 | 490 | ALUMINUM |
| | 24-354-00 | 3/4 | 3/4 x 16 | 490 | COMPOSITION |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

21 Series



Rough Bronze Water Gauges With Extended Shank

Available with 3/8" or 1/2" MNPT connections; EPDM gauge glass gaskets and 1/4" needle drain valve in lower arm are both standard.

- 1-3/4" standard shank length; for 1-1/4" shank length, use – 07 suffix
- **21-100** rated 125 psig @ 350°F, 300 psig @ 100°F
- **21-200** rated 200 psig @ 400°F, 400 psig @ 100°F (See note!)
- CRN Registered
- Equipped with two copper guard rods

| Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|--------------|-----------------|---------------------|----------------|-------------|
| 21-101 | 3/8 | 5/8 x 10 | 163 | ALUMINUM |
| 21-102 | 3/8 | 5/8 x 10 | 175 | COMPOSITION |
| 21-104 | 1/2 | 5/8 x 12 | 185 | ALUMINUM |
| 21-105 | 1/2 | 5/8 x 12 | 197 | COMPOSITION |
| 21-150* | 1/2 | 5/8 x 12 | 195 | ALUMINUM |
| 21-151* | 1/2 | 5/8 x 12 | 207 | COMPOSITION |
| 21-204 | 1/2 | 5/8 x 12 | 215 | ALUMINUM |
| 21-205 | 1/2 | 5/8 x 12 | 219 | COMPOSITION |
| 21-250* | 1/2 | 5/8 x 12 | 215 | ALUMINUM |
| 21-251* | 1/2 | 5/8 x 12 | 215 | COMPOSITION |

* Automatic Model

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.

23-400 & 23-450 Series



Stainless Steel Liquid Level Gauges

Ideal for handling alcohol solvents, acetic acid and ketones. Automatic models conform to ASME requirements; aluminum and composition handwheels.

- PTFE reinforced gauge glass gaskets, stem packings
- Chemical resistant PTFE seat
- 5/16" dia. full flow all SS drain valve with safety handle
- Guard rod bracket to accommodate four SS guard rods
- Rated 500 psig @ 450°F (See note!)
- High pressure gauge glass standard
- CRN Registered

| | Model Number | Pipe Size (in.) | Glass O.D. & Length | Wt./100 (lbs.) | Wheel Type |
|---------------|--------------|-----------------|---------------------|----------------|-------------|
| Non-Automatic | 23-401-00 | 1/2 | 5/8 x 12 | 385 | ALUMINUM |
| | 23-402-00 | 1/2 | 5/8 x 12 | 385 | COMPOSITION |
| | 23-404-00 | 3/4 | 3/4 x 16 | 450 | ALUMINUM |
| | 23-405-00 | 3/4 | 3/4 x 16 | 450 | COMPOSITION |
| Automatic | 23-450-00 | 1/2 | 5/8 x 12 | 390 | ALUMINUM |
| | 23-451-00 | 1/2 | 5/8 x 12 | 390 | COMPOSITION |
| | 23-453-00 | 3/4 | 3/4 x 16 | 455 | ALUMINUM |
| | 23-454-00 | 3/4 | 3/4 x 16 | 455 | COMPOSITION |

Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.



Tubular Gauge Glass Protector

Reduces risk of injury and damage from broken exploding glass; maximum length: 50".

- No. **I-2733*** 5/8" Glass Protector
- No. **I-2734*** 3/4" Glass Protector
- Made to fit most water gauges
- Not available on **23-400, 23-650, 24-300, 24-600** models
- CRN Registered

*Note: Water gauge part number and centerline length are required when ordering.
Priced according to length and application.*

