



20-100 & 20-150 Series

Standard Pattern Bronze Water Gauges

- Use for all types of liquid level verification
- Rated: 125psig @ 350°F, 300psig @ 100°F
- * Indicates Automatic with Ball Check

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|-------------|
| 3/8" | CO-20-101-00 | 5/8 x 10 | Aluminum |
| 3/8" | CO-20-102-00 | 5/8 x 10 | Composition |
| 1/2" | CO-20-104-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-105-00 | 5/8 x 12 | Composition |
| 1/2" | CO-20-150-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-151-00* | 5/8 x 12 | Composition |



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

Square Pattern Bronze Water Gauges

- Rated: 200psig @ 400°F, 400psig @ 100°F
- 25-400 Rated: 125psig @ 350°F, 300psig @ 100°F
- Polished finish on 25-400 and 25-500
- Four guard rods are standard
- * Indicates Automatic with Ball Check

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|-------------|
| 1/2" | CO-20-304-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-305-00 | 5/8 x 12 | Composition |
| 3/4" | CO-20-307-00 | 3/4 x 16 | Aluminum |
| 3/4" | CO-20-308-00 | 3/4 x 16 | Composition |
| 1/2" | CO-20-350-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-351-00* | 5/8 x 12 | Composition |
| 3/4" | CO-20-353-00* | 3/4 x 16 | Aluminum |
| 3/4" | CO-20-354-00* | 3/4 x 16 | Composition |
| 1/2" | CO-25-404-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-25-405-00 | 5/8 x 12 | Composition |
| 3/4" | CO-25-407-00 | 3/4 x 16 | Aluminum |
| 3/4" | CO-25-408-00 | 3/4 x 16 | Composition |
| 1/2" | CO-25-501-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-25-502-00* | 5/8 x 12 | Composition |
| 3/4" | CO-25-504-00* | 3/4 x 16 | Aluminum |
| 3/4" | CO-25-505-00* | 3/4 x 16 | Composition |



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

Heavy Pattern Bronze Water Gauges

- Rated: 200psig @ 400°F, 400psig @ 100°F
- Polished Finish on 25-200 valves
- Heavier valve body pattern for higher service ratings
- * Indicates Automatic with Ball Check

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|-------------|
| 3/8" | CO-20-201-00 | 5/8 x 10 | Aluminum |
| 3/8" | CO-20-202-00 | 5/8 x 10 | Composition |
| 1/2" | CO-20-204-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-205-00 | 5/8 x 12 | Composition |
| 3/4" | CO-20-207-00 | 3/4 x 16 | Aluminum |
| 3/4" | CO-20-208-00 | 3/4 x 16 | Composition |
| 1/2" | CO-20-250-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-251-00* | 5/8 x 12 | Composition |
| 3/4" | CO-20-253-00* | 3/4 x 16 | Aluminum |
| 3/4" | CO-20-254-00* | 3/4 x 16 | Composition |
| 3/8" | CO-25-201-00 | 5/8 x 10 | Aluminum |
| 3/8" | CO-25-202-00 | 5/8 x 10 | Composition |
| 1/2" | CO-25-204-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-25-205-00 | 5/8 x 12 | Composition |
| 3/4" | CO-25-207-00 | 3/4 x 16 | Aluminum |
| 3/4" | CO-25-208-00 | 3/4 x 16 | Composition |



20-400 & 20-410 Series; Left Hand Illustrated

Side Mounted Handwheel Water Gauges

- Rated: 125psig @ 350°F, 300psig @ 100°F
- Compact size, 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
- 1-1/4" Extended shank length 20-410

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|----------------|--------------|------------|
| 1/2" | CO-20-405-00RH | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-406-00LH | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-407-00RH | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-408-00LH | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-410-00LH | 5/8 x 12 | Aluminum |

Use above part # with -03 for replacement valves only

Water & Liquid Level Gauges



20-600 & 20-800 Series

Bronze Expansion Tank Gauges

- Bottom arm shut-off valve prevents water leaks during gauge glass changes
- Rated: 200psig @ 400°F, 400psig @ 100°F
- 20-800 models: 1/4" NPT pipe thread in upper arm for pressure gauge
- * Indicates Automatic with ball check

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|-------------|
| 1/2" | CO-20-604-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-605-00* | 5/8 x 12 | Composition |
| 1/2" | CO-20-804-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-20-805-00* | 5/8 x 12 | Composition |



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: 250psig @ 400°F, 500psig @ 100°F
- Use on large boilers with inconvenient columns
- 12 feet of chain and 5/16" diameter full-blow valve with safety handle
- High Pressure glass and PTFE reinforced gauge glass gaskets standard
- * Indicates Automatic with ball check

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|------------|
| 1/2" | CO-24-601-00 | 5/8 x 12 | - |
| 3/4" | CO-24-602-00 | 3/4 x 16 | - |
| 1/2" | CO-24-651-00* | 5/8 x 12 | - |
| 3/4" | CO-24-652-00* | 3/4 x 16 | - |



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
- Rated: 250psig @ 400°F, 500psig @ 100°F
- Standard 1/4" needle drain valve
- 12 feet of chain
- H-2485 pull handle available
- ** Indicates ball valve not included

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|----------------|--------------|------------|
| 1/2" | CO-25-601-00 | 5/8 x 12 | - |
| 3/4" | CO-25-602-00 | 3/4 x 16 | - |
| 1/2" | CO-20-601-00** | 5/8 x 12 | - |
| 3/4" | CO-20-602-00** | 3/4 x 16 | - |



20-700 & 20-710 Series

Simple Expansion Tank Gauges

- Rated: 125psig @ 350°F, 300psig @ 100°F
- 20-710: has plug in top arm to insert glass straight through
- 1/4" needle drain valve in lower arm

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|--------------|--------------|------------|
| 3/8" | CO-20-703-00 | 5/8 x 10 | - |
| 1/2" | CO-20-704-00 | 5/8 x 12 | - |
| 3/8" | CO-20-713-00 | 5/8 x 10 | - |
| 1/2" | CO-20-714-00 | 5/8 x 12 | - |

Use above part # with -03 for replacement valves only



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
- Rated: 250psig @ 406°F maximum working pressure
- Two stainless steel guard rods
- High pressure glass
- Standard PTFE reinforced gauge glass gaskets

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|-------------|
| 1/2" | CO-23-651-00* | 5/8 x 12 | Aluminum |
| 3/4" | CO-23-654-00* | 5/8 x 12 | Composition |



21-100 & 21-200 Series

Rough Bronze Water Gauges w/ Extended Shank

- 1/4" Needle drain valve in lower arm
- 21-100 Rated: 125psig @ 350°F, 300psig @ 100°F
- 21-200 Rated: 200psig @ 400°F, 400psig @ 100°F
- Equipped with two copper guard rods
- * Indicates Automatic with Ball Check

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|-------------|
| 3/8" | CO-21-101-00 | 5/8 x 10 | Aluminum |
| 3/8" | CO-21-102-00 | 5/8 x 10 | Composition |
| 1/2" | CO-21-104-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-21-105-00 | 5/8 x 12 | Composition |
| 1/2" | CO-21-150-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-21-151-00* | 5/8 x 12 | Composition |
| 1/2" | CO-21-204-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-21-205-00 | 5/8 x 12 | Composition |
| 1/2" | CO-21-250-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-21-251-00* | 5/8 x 12 | Composition |



24-300 & 24-350 Series

Bronze Liquid Level Gauges

- Automatic and non-automatic direct reading gauges
- Heavy pattern bronze valve body
- Guard rod bracket accommodates four guard rods
- PTFE reinforced gauge glass gasket and stem packing
- High pressure gauge glass and gaskets
- Rated: 250psig @ 400°F, 500psig @ 100°F
- * Indicates ASME Automatic - conforms with ASME power boiler code requirements for automatic water gauges; ball checks in both upper and lower arms

| Pipe Size | Catalog # | Glass OD x L | Wheel Type |
|-----------|---------------|--------------|-------------|
| 1/2" | CO-24-301-00 | 5/8 x 12 | Aluminum |
| 1/2" | CO-24-302-00 | 5/8 x 12 | Composition |
| 3/4" | CO-24-304-00 | 3/4 x 16 | Aluminum |
| 3/4" | CO-24-305-00 | 3/4 x 16 | Composition |
| 1/2" | CO-24-350-00* | 5/8 x 12 | Aluminum |
| 1/2" | CO-24-351-00* | 5/8 x 12 | Composition |
| 3/4" | CO-24-353-00* | 3/4 x 16 | Aluminum |
| 3/4" | CO-24-354-00* | 3/4 x 16 | Composition |

Use above part # with -03 for replacement valves only

Water Gauge Selection and Tips

- Never use an expansion tank gauge on a boiler
- All Pressure and temperature ratings may be influenced by the limitations of the valve body, gauge glass, and gauge glass gaskets.
- Use Redline gauge glass where pressures permit, to allow for easy reading of the gauge.
- Boilers operating above 400psig require two water gauges
- All water gauges on steam boilers must be 1/2" NPT or larger
- The longer the gauge glass, the lower the allowable pressure and temperature
- For gauge glass longer than 72" it is necessary to use two or more water gauges of shorter length in an overlapped staggered tandem.

Use the following suffixes when ordering:

- 00 Standard set includes top and bottom valves, glass and rods
- 01 Top Valve only
- 02 Bottom valve only
- 03 Top and Bottom valves only (no glass or rods)

Do not forget to order replacement Gauge Glass, Gauge Glass Gaskets and Friction Washers. These items can be found on page #.