

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. Automatic ball checks help prevent the loss of fluids should the glass be broken.

FEATURES

- 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 OF6616.5C

Part 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.
* Automatic ball valves



HEAVY PATTERN BRONZE WATER GAUGES

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

FEATURES

- 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 OF6616.5C

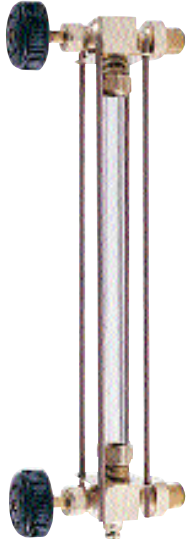
Part Number	Pipe Size (in.)	Glass O.D. & Length	Wt./100 (lbs.)	Wheel Type
20-201	3/8	5/8 x 10	185	ALUMINUM
20-202	3/8	5/8 x 10	189	COMPOSITION
20-204	1/2	5/8 x 12	205	ALUMINUM
20-205	1/2	5/8 x 12	205	COMPOSITION
20-207	3/4	3/4 x 16	270	ALUMINUM
20-208	3/4	3/4 x 16	270	COMPOSITION
20-250*	1/2	5/8 x 12	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.
* Automatic ball valves



Water Gauges & Accessories

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. Automatic ball checks help prevent the loss of fluids should the glass be broken.

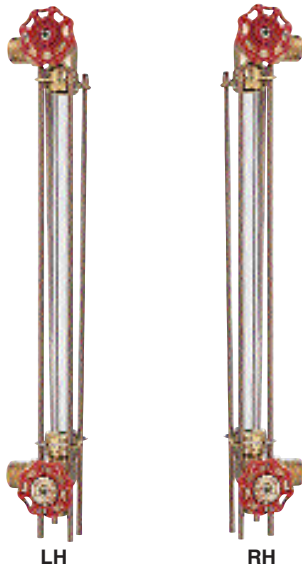
FEATURES

- 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

Part 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.
* Automatic ball valves

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.

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

Part Number	Pipe Side	Pipe Size (in.)	Glass O.D. & Length	Wt./100 (lbs.)	Shank Length (in.)	Wheel Type
20-405-00	RH	1/2	5/8 x 12	165	.69	ALUMINUM
20-406-00	LH	1/2	5/8 x 12	165	.69	ALUMINUM
20-407-00	RH	1/2	5/8 x 12	170	.69	ALUMINUM
20-408-00	LH	1/2	5/8 x 12	170	.69	ALUMINUM
20-410-00	LH	1/2	5/8 x 12	180	1.25	ALUMINUM

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

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.

FEATURES

- 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

*Note: Service ratings are subject to pressure/temperature ratings of gauge glass and glass gaskets.
* Not for use on boiler systems*



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.

FEATURES

- 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.
* Not for use on boiler systems*



Water Gauges & Accessories

20-600 & 20-800 SERIES



BRONZE EXPANSION TANK GAUGES

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

FEATURES

- 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

Part 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.

* Not for use on boiler systems

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.

FEATURES

- 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

Part 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 ball check model

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

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.

FEATURES

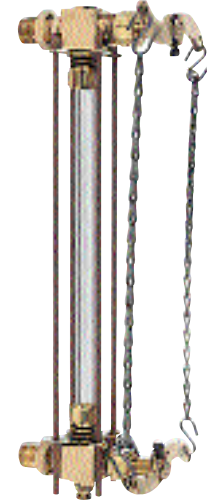
- Quick opening, non-automatic
- Service rating: 250 psig @ 400°F, 500 psig @ 100°F (See note!)
- EPDM standard gauge glass gasket
- Standard 1/4" needle drain valve
- Furnished with 12 feet of chain
- H-2485 pull handle is standard
- CRN Registered

Part 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.



HEAVY PATTERN BRONZE LIQUID LEVEL GAUGES

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

FEATURES

- Heavy pattern bronze valve body
- Guard rod bracket to accommodate four guard rods
- PTFE reinforced gauge glass gasket and stem packing are standard
- Rated 250 psig @ 400°F, 500 psig @ 100°F (See note!)
- 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
- Bronze ball valve drains are standard

	Part 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
ASME 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.

** ASME listed automatic ball check valves



Water Gauges & Accessories

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.

FEATURES

- 1-3/4" standard shank length
- 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-plated steel guard rods

Part Number	Pipe Size (in.)	Glass O.D. & Length	Wt./100 (lbs.)	Wheel Type
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.

FEATURES

- PTFE reinforced gauge glass gaskets, stem packings
- Chemical resistant PTFE seat
- 5/16" diameter full-flow, all SS drain ball valves 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

	Part 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
ASME 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.

** ASME listed automatic ball check valves

TUBULAR GAUGE GLASS PROTECTOR

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

FEATURES

- Heavy duty brass tube
- 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.

