

Conbraco Water Gauges And Liquid Level Gauges



20-100 Series
Standard Pattern



20-150 Standard
Pattern Automatic



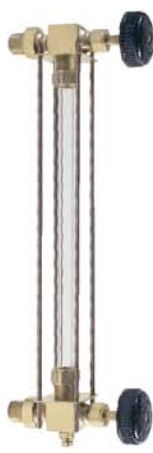
20-200 Series
Heavy Pattern



20-250 Heavy
Pattern Automatic



20-300 Series



20-350 Series
Automatic



20-400 Series
Left Hand Illustrated



20-410 Series
Left Hand Only



20-601 & 602
Series



20-604 & 20-605
Series

Water Gauge And Liquid Level Gauge Dimensions

A = Overall length is found by adding this to dimension "L"

B = Valve open total depth

C = Valve closed total depth

D = Handle diameter

E = Maximum extension below lower arm centerline

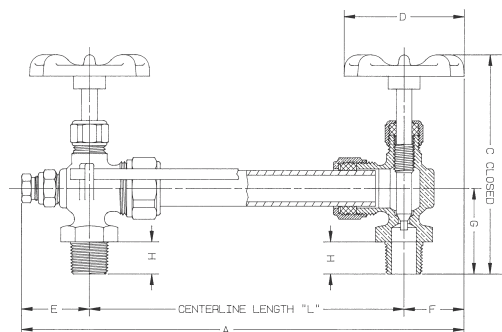
F = Maximum extension above upper arm centerline

G = End of arm NPT to centerline of glass

H = End of arm NPT to hex shoulder

Glass Length is "L" minus GL code

Rod Length is glass length plus RL code



Dimensions											
Valve	Pipe Size	A	B	C	D	E	F	G	H	GL code	RL code
20-101	3/8	2.315	4.09	3.84	2.13	1.25	1.065	1.5	0.56	1.25	2
20-102	3/8	2.25	4.31	4.06	2	1.25	1	1.5	0.56	1.25	2
20-104	1/2	2.315	4.19	3.94	2.13	1.25	1.065	1.63	0.69	1.25	2
20-105	1/2	2.25	4.43	4.18	2	1.25	1	1.63	0.69	1.25	2
20-150*	1/2	2.315	4.19	3.94	2.13	1.25	1.065	1.63	0.69	1.25	2
20-151*	1/2	2.25	4.43	4.18	2	1.25	1	1.63	0.69	1.25	2
20-201	3/8	2.445	4.44	4.19	2.13	1.38	1.065	1.69	0.56	1.25	2
20-202	3/8	2.38	4.38	4.13	2	1.38	1	1.69	0.56	1.25	2
20-204	1/2	2.445	4.56	4.31	2.13	1.38	1.065	1.81	0.69	1.25	2
20-205	1/2	2.38	4.5	4.25	2	1.38	1	1.81	0.69	1.25	2
20-207	3/4	2.445	4.88	4.63	2.13	1.38	1.065	2.05	0.75	1.50	2.25
20-208	3/4	2.38	5.06	4.81	2	1.38	1	2.05	0.75	1.50	2.25
20-250	1/2	2.445	4.56	4.31	2.13	1.38	1.065	1.81	0.69	1.25	2
20-251*	1/2	2.38	4.5	4.25	2	1.38	1	1.81	0.69	1.25	2
20-253*	3/4	2.445	4.88	4.63	2.13	1.38	1.065	2.05	0.75	1.50	2.25
20-254*	3/4	2.38	5.06	4.81	2	1.38	1	2.05	0.75	1.50	2.25
20-304	1/2	2.315	5.31	5.06	2.13	1.25	1.065	2.2	0.69	2.00	1.25
20-305	1/2	2.25	5.5	5.25	2	1.25	1	2.2	0.69	2.00	1.25
20-307	3/4	2.315	5	5.38	2.13	1.25	1.065	2.06	0.69	2.00	1.25
20-308	3/4	2.25	5.38	5	2	1.25	1	2.06	0.69	2.00	1.25
20-350*	1/2	2.315	5.31	5.06	2.13	1.25	1.065	2.2	0.69	2.00	1.25
20-351*	1/2	2.25	5.5	5.25	2	1.25	1	2.2	0.69	2.00	1.25
20-353*	3/4	2.315	5	5.38	2.13	1.25	1.065	2.06	0.69	2.00	1.25
20-354*	3/4	2.25	5.38	5	2	1.25	1	2.06	0.69	2.00	1.25
20-405	1/2	2	1.88	1.63	1.75	1.14	0.86	1.63	0.69	1.25	NA
20-406	1/2	2	1.88	1.63	1.75	1.14	0.86	1.63	0.69	1.25	NA
20-407	1/2	2	1.88	1.63	1.75	1.14	0.86	1.63	0.69	1.25	2
20-408	1/2	2	1.88	1.63	1.75	1.14	0.86	1.63	0.69	1.25	2
20-410	1/2	2.28	2.13	1.88	1.75	1.42	0.86	2.09	1.25	1.25	NA
20-601	1/2	4.19	5.25	4.75	5.88	1.25	2.94	2.09	0.69	2.00	1.25
20-602	3/4	4.19	5.25	4.75	5.88	1.25	2.94	2.09	0.69	2.00	1.25
20-604*	1/2	2.07	4.56	4.31	2.13	1.38	0.69	1.81	0.69	1.25	2
20-605*	1/2	2.07	4.5	4.25	2	1.38	0.69	1.81	0.69	1.25	2
20-703	3/8	1.78	NA	NA	NA	1.25	0.53	1.5	0.56	1.25	2
20-704	1/2	1.78	NA	NA	NA	1.25	0.53	1.63	0.69	1.25	2

Conbraco Water Gauges
And Liquid Level Gauges



20-700 Series



20-800 Series



23-450 Series
ASME Automatic



23-600 Series



24-300 Series



24-600 Series



25-200 Series
Heavy Pattern



25-400 Series



25-500 Series
Automatic



25-600 Series

Water Gauge And Liquid Level Gauge Dimensions

Valve	Pipe size	A	B	C	D	E	F	G	H	GL code	RL code
20-804*	1/2	2.13	4.56	4.31	2.13	1.38	0.75	1.81	0.69	1.25	2
20-805*	1/2	2.13	4.5	4.25	2	1.38	0.75	1.81	0.69	1.25	2
21-101	3/8	2.315	5.31	5.06	2.13	1.25	1.065	2.69	1.75	1.25	2
21-102	3/8	2.25	5.5	5.25	2	1.25	1	2.69	1.75	1.25	2
21-104	1/2	2.315	5.31	5.06	2.13	1.25	1.065	2.69	1.75	1.25	2
21-105	1/2	2.25	5.5	5.25	2	1.25	1	2.69	1.75	1.25	2
21-150*	1/2	2.315	5	4.75	2.13	1.25	1.065	2.69	1.75	1.25	2
21-151*	1/2	2.25	5.5	5.25	2	1.25	1	2.69	1.75	1.25	2
21-204	1/2	2.445	5.63	5.38	2.13	1.38	1.065	2.88	1.75	1.25	2
21-205	1/2	2.38	5.56	5.31	2	1.38	1	2.88	1.75	1.25	2
21-250*	1/2	2.445	5.63	5.38	2.13	1.38	1.065	2.88	1.75	1.25	2
21-251*	1/2	2.38	5.63	5.38	2	1.38	1	2.88	1.75	1.25	2
23-401	1/2	4.065	5.56	5.56	2.13	3	1.065	2.13	0.69	2.00	3.25
23-402	1/2	4	5.56	5.56	2	3	1	2.13	0.69	2.00	3.25
23-404	3/4	4.065	5.56	5.06	2.13	3	1.065	2.09	0.75	2.00	3.25
23-405	3/4	4	5.56	5.06	2	3	1	2.09	0.75	2.00	3.25
23-450**	1/2	4.065	5.56	5.06	2.13	3	1.065	2.13	0.69	2.00	3.25
23-451**	1/2	4	5.56	5.06	2	3	1	2.13	0.69	2.00	3.25
23-453**	3/4	4.065	5.56	5.06	2.13	3	1.065	2.09	0.75	2.00	3.25
23-454**	3/4	4	5.56	5.06	2	3	1	2.09	0.75	2.00	3.25
23-651	1/2	1.755	4.63	4.38	2.13	1.065	0.69	2.5	0.69	2.00	1.25
23-654	3/4	1.755	4.63	4.38	2.13	1.065	0.69	2.5	0.75	2.00	1.25
24-301	1/2	4.065	5.75	5.25	2.13	3	1.065	2.09	0.69	2.00	1.25
24-302	1/2	4	5.75	5.25	2	3	1	2.09	0.69	2.00	1.25
24-304	3/4	4.065	5.75	5.25	2.13	3	1.065	2.09	0.69	2.00	1.25
24-305	3/4	4	5.56	5.06	2	3	1	2.09	0.69	2.00	1.25
24-350**	1/2	4.065	5.75	5.25	2.13	3	1.065	2.09	0.69	2.00	1.25
24-351**	1/2	4	5.56	5.06	2	3	1	2.09	0.69	2.00	1.25
24-353**	3/4	4.065	5.75	5.25	2.13	3	1.065	2.09	0.69	2.00	1.25
24-354**	3/4	4	5.56	5.06	2	3	1	2.09	0.69	2.00	1.25
24-601	1/2	5.875	5.25	4.75	5.75	3	2.875	2.09	0.69	2.00	.875
24-602	3/4	5.875	5.25	4.75	5.75	3	2.875	2.09	0.69	2.00	.875
24-651**	1/2	5.875	5.25	4.75	5.75	3	2.875	2.09	0.69	2.00	.875
24-652**	3/4	5.875	5.25	4.75	5.75	3	2.875	2.09	0.69	2.00	.875
25-201	3/8	2.445	4.44	4.19	2.13	1.38	1.065	1.69	0.56	1.25	2
25-202	3/8	2.38	4.38	4.13	2	1.38	1	1.69	0.56	1.25	2
25-204	1/2	2.445	4.56	4.31	2.13	1.38	1.065	1.81	0.69	1.25	2
25-205	1/2	2.38	4.5	4.25	2	1.38	1	1.81	0.69	1.25	2
25-207	3/4	2.445	4.88	4.63	2.13	1.38	1.065	2.05	0.75	1.25	2
25-208	3/4	2.38	5.06	4.81	2	1.38	1	2.05	0.75	1.25	2
25-404	1/2	2.315	5.31	5.06	2.13	1.25	1.065	2.2	0.69	2.00	1.25
25-405	1/2	2.25	5.5	5.25	2	1.25	1	2.2	0.69	2.00	1.25
25-407	3/4	2.315	5.38	5	2.13	1.25	1.065	2.06	0.69	2.00	1.25
25-408	3/4	2.25	5.38	5	2	1.25	1	2.06	0.69	2.00	1.25
25-501*	1/2	2.315	5.31	5.06	2.13	1.25	1.065	2.2	0.69	2.00	1.25
25-502*	1/2	2.25	5.5	5.25	2	1.25	1	2.2	0.69	2.00	1.25
25-504*	3/4	2.315	5.38	5	2.13	1.25	1.065	2.06	0.69	2.00	1.25
25-505*	3/4	2.25	5.38	5	2	1.25	1	2.06	0.69	2.00	1.25
25-601	1/2	5.88	5.25	4.75	5.88	2.94	2.94	2.09	0.69	2.00	1.25
25-602	3/4	5.88	5.25	4.75	5.88	2.94	2.94	2.09	0.69	2.00	1.25

* Automatic

** ASME Automatic

Suffix Key

- 00 Standard set includes top & bottom valves, glass and rods
- 01 Top valve only
- 02 Bottom valve only
- 03 Top & Bottom valves only (no glass or rods)
- 10 For special gauges with non-standard glass, rods, and/or gaskets.

"Apollo" Valves

Rough Bronze Water Gauges



Series	Rating (subject to limitation of gauge glass)
20-100	125 psig @ 350°F, 300 psig @ 100°F
20-150	125 psig @ 350°F, 300 psig @ 100°F
20-200	200 psig @ 400°F, 400 psig @ 100°F
20-250	200 psig @ 400°F, 400 psig @ 100°F
20-300	200 psig @ 400°F, 400 psig @ 100°F
20-350	200 psig @ 400°F, 400 psig @ 100°F
20-400	125 psig @ 350°F, 300 psig @ 100°F
20-601, 602	250 psig @ 400°F, 500 psig @ 100°F
20-604, 605	200 psig @ 400°F, 400 psig @ 100°F
20-700	125 psig @ 350°F, 300 psig @ 100°F
20-100	200 psig @ 400°F, 400 psig @ 100°F

Cat. No.	Pipe Size	Standard Glass		Glass Seal	Stem Packing	Standard Glass		Wt./100
		O.D. & length				Type	Handle	
20-101-00	3/8	5/8 x 10		EPDM Rubber	Teflon®	regular	aluminum	145
20-102-00	3/8	5/8 x 10		EPDM Rubber	Teflon®	regular	composite	145
20-104-00	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	160
20-105-00	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	160
20-150-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	160
20-151-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	160
20-201-00	3/8	5/8 x 10		EPDM Rubber	Teflon®	regular	aluminum	185
20-202-00	3/8	5/8 x 10		EPDM Rubber	Teflon®	regular	composite	189
20-204-00	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	205
20-205-00	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	205
20-207-00	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	aluminum	270
20-208-00	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	composite	270
20-250-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	195
20-251-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	200
20-253-00*	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	aluminum	355
20-254-00*	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	composite	360
20-304-00	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	260
20-305-00	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	270
20-307-00	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	aluminum	345
20-308-00	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	composite	365
20-350-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	265
20-351-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	265
20-353-00*	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	aluminum	360
20-354-00*	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	composite	365
20-405-00 (RH)	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	165
20-406-00 (LH)	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	165
20-407-00 (RH)	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	170
20-408-00 (LH)	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	170
20-410-00 (LH)	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	180
20-601-00	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	chain	370
20-602-00	3/4	3/4 x 16		EPDM Rubber	Teflon®	regular	chain	435
20-604-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	155
20-605-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	175
20-703-00	3/8	5/8 x 10		EPDM Rubber	na	regular	na	120
20-704-00	1/2	5/8 x 12		EPDM Rubber	na	regular	na	135
20-804-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	aluminum	160
20-805-00*	1/2	5/8 x 12		EPDM Rubber	Teflon®	regular	composite	160

* Automatic

Teflon® is a registered trademark of DuPont.

Rough Bronze Water Gauges With Extended Shank



Series	Rating (subject to limitation of gauge glass)
21-100	125 psig @ 350°F, 300 psig @ 100°F
21-150	125 psig @ 350°F, 300 psig @ 100°F
21-200	200 psig @ 400°F, 400 psig @ 100°F
21-250	200 psig @ 400°F, 400 psig @ 100°F

Cat. No.	Pipe Size	Standard Glass O.D. & length	Glass Seal	Stem Packing	Handle	Standard Glass Type	Wt./100	Shank Length
21-104	1/2	5/8 x 12	EPDM Rubber	Teflon®	aluminum	regular	185	1 3/4
21-105	1/2	5/8 x 12	EPDM Rubber	Teflon®	composite	regular	197	1 3/4
21-150*	1/2	5/8 x 12	EPDM Rubber	Teflon®	aluminum	regular	195	1 3/4
21-151*	1/2	5/8 x 12	EPDM Rubber	Teflon®	composite	regular	207	1 3/4
21-204	1/2	5/8 x 12	EPDM Rubber	Teflon®	aluminum	regular	215	1 3/4
21-205	1/2	5/8 x 12	EPDM Rubber	Teflon®	composite	regular	219	1 3/4
21-250*	1/2	5/8 x 12	EPDM Rubber	Teflon®	aluminum	regular	215	1 3/4
21-251*	1/2	5/8 x 12	EPDM Rubber	Teflon®	composite	regular	215	1 3/4

*Automatic

1 Teflon® is a registered trademark of DuPont.

Stainless Steel Liquid Level Gauge



Series	Rating (subject to limitation of gauge glass)
23-401	500 psig @ 450°F
23-450	500 psig @ 450°F
23-650	250 psig @ 406°F

Cat. No.	Pipe Size	Standard Glass O.D. & length	Glass Seal	Stem Packing	Handle	Standard Glass Type	Wt./100
23-401	1/2	5/8 x 12	PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	385
23-402	1/2	5/8 x 12	PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	385
23-404	3/4	3/4 x 16	PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	450
23-405	3/4	3/4 x 16	PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	450
23-450**	1/2	5/8 x 12	PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	390
23-451**	1/2	5/8 x 12	PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	390
23-453**	3/4	3/4 x 16	PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	455
23-454**	3/4	3/4 x 16	PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	455
23-651	1/2	5/8 x 12	PTFE w/Hypalon®	Teflon® ¹	aluminum	high pressure	225
23-654	3/4	5/8 x 12	PTFE w/Hypalon®	Teflon®	composition	high pressure	225

** ASME Automatic

Teflon® and Hypalon® are registered trademarks of DuPont.

"Apollo" Valves

Rough Bronze Liquid Level Gauge



Series	Rating (subject to limitation of gauge glass)
24-300	250 psig @ 400°F, 500 psig @ 100°F
24-350	250 psig @ 400°F, 500 psig @ 100°F
24-600	250 psig @ 400°F, 500 psig @ 100°F
24-650	250 psig @ 400°F, 500 psig @ 100°F
24-750	250 psig @ 400°F, 500 psig @ 100°F
24-850	250 psig @ 400°F, 500 psig @ 100°F

Cat. No.	Pipe Size	Standard Glass		Glass Seal	Stem Packing	Handle	Standard Glass	
		O.D. & length					Type	Wt./100
24-301	1/2	5/8 x 12		PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	425
24-302	1/2	5/8 x 12		PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	425
24-304	3/4	3/4 x 16		PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	490
24-305	3/4	3/4 x 16		PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	490
24-350**	1/2	5/8 x 12		PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	425
24-351**	1/2	5/8 x 12		PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	425
24-353**	3/4	3/4 x 16		PTFE w/Hypalon®	Braided PTFE w/Aramid	aluminum	high pressure	490
24-354**	3/4	3/4 x 16		PTFE w/Hypalon®	Braided PTFE w/Aramid	composition	high pressure	490
24-601	1/2	5/8 x 12		PTFE w/Hypalon®	Braided PTFE w/Aramid	chain	high pressure	515
24-602	3/4	3/4 x 16		PTFE w/Hypalon®	Braided PTFE w/Aramid	chain	high pressure	580
24-651**	1/2	5/8 x 12		PTFE w/Hypalon®	Braided PTFE w/Aramid	chain	high pressure	515
24-652**	3/4	3/4 x 16		PTFE w/Hypalon®	Braided PTFE w/Aramid	chain	high pressure	580

**ASME Automatic
Hypalon® is a registered trademark of DuPont.

Polished Bronze Water Gauge



Series	Rating (subject to limitation of gauge glass)
25-200	200 psig @ 400°F, 400 psig @ 100°F
25-400	125 psig @ 350°F, 300 psig @ 100°F
25-500	200 psig @ 400°F, 400 psig @ 100°F
25-600	250 psig @ 400°F, 500 psig @ 100°F

Cat. No.	Pipe Size	Standard Glass		Glass Seal	Stem Packing	Handle	Standard Glass	
		O.D. & length					Type	Wt./100
25-201	3/8	5/8 x 10		EPDM rubber	PTFE w/Hypalon®	aluminum	regular	180
25-202	3/8	5/8 x 10		EPDM rubber	PTFE w/Hypalon®	composition	regular	185
25-204	1/2	5/8 x 12		EPDM rubber	PTFE w/Hypalon®	aluminum	regular	190
25-205	1/2	5/8 x 12		EPDM rubber	PTFE w/Hypalon®	composition	regular	190
25-207	3/4	3/4 x 16		EPDM rubber	PTFE w/Hypalon®	aluminum	regular	290
25-208	3/4	3/4 x 16		EPDM rubber	PTFE w/Hypalon®	composition	regular	295
25-404#	1/2	5/8 x 12		EPDM rubber	PTFE w/Hypalon®	aluminum	regular	285
25-405#	1/2	5/8 x 12		EPDM rubber	PTFE w/Hypalon®	composition	regular	285
25-407	3/4	3/4 x 16		EPDM rubber	PTFE w/Hypalon®	aluminum	regular	350
25-408	3/4	3/4 x 16		EPDM rubber	PTFE w/Hypalon®	composition	regular	350
25-501*	1/2	5/8 x 12		EPDM rubber	PTFE w/Hypalon®	aluminum	regular	290
25-502*	1/2	5/8 x 12		EPDM rubber	PTFE w/Hypalon®	composition	regular	290
25-504*	3/4	3/4 x 16		EPDM rubber	PTFE w/Hypalon®	aluminum	regular	355
25-505*	3/4	3/4 x 16		EPDM rubber	PTFE w/Hypalon®	composition	regular	355
25-601	1/2	5/8 x 12		EPDM rubber	Graphite w/Aramid	chain	regular	335
25-602	3/4	3/4 x 16		EPDM rubber	Graphite w/Aramid	chain	regular	350

#Valve bodies made from brass bar stock

*Automatic
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