

Table of Contents



0818 Series
Leaded Gate Valves
Page 2



0818NL Series
No Lead Gate Valves
Page 3



0818C Series
CxC (Solder) Gate Valves
Page 4



Replacement Parts
Handles and Stem Packing
Pags 5 and 6

User Responsibility Statement: It is the user's sole responsibility to determine the product's suitability for its intended use. For full details, visit Boshart Industries [Reference Documents](#) or our User Safety Responsibility Statement and other important documents.



0818 SERIES - BRASS FULL PORT GATE VALVE (THREADED)

FEATURES:

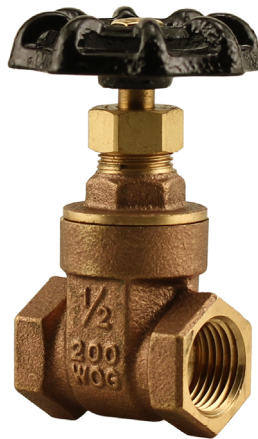
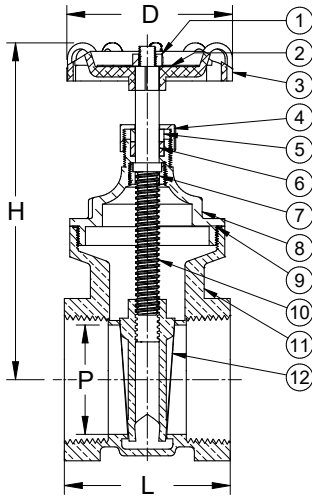
- Full Port
- Cast brass body
- Non-rising stem
- Black cast hand wheel

SPECIFICATIONS:

- Threads conform to ANSI / ASME B1.20.1

RATINGS:

- Max Pressure Rating: 200 PSI CWP
- Max temp rating: 150°F (66°C) See Page 2 for Temperature/ Working Pressure Chart
- CWP - Cold Working Pressure, is an indication of the pressure rating for valves at a temperature of up to +100°F (37°C)



MATERIAL LIST

Part No.	Part Name	Material
1	Wheel Nut	Brass Plated Steel
2	Name Plate	Aluminium
3	Hand Wheel	Black powder coated cast iron
4	Packing Nut	C36000 Brass
5	Stem Ring	C36000 Brass
6	Stem Packing	PTFE (Polytetrafluoroethylene)
7	Lock Nut	C36000 Brass
8	Bonnet	C85710 Brass
9	Bonnet Packing	Fibre
10	Stem	C36000 Brass for 1/2"-2" C85710 Brass for 2-1/2"-4"
11	Body	C85710 Brass
12	Disc	C85710 Brass

DIMENSIONS

Part No.	Description	Flow Coefficient (Cv)	P		D		L		H		Weight	
			in	mm	in	mm	in	mm	in	mm	lbs	grams
0818-05	1/2" FPT	9.75	0.53	13.50	2.09	53.00	1.71	43.50	2.91	74.00	0.60	272.16
0818-07	3/4" FPT	18.84	0.75	19.00	2.13	54.00	1.81	46.00	3.31	84.00	0.86	390.09
0818-10	1" FPT	31.82	0.98	25.00	2.48	63.00	2.13	54.00	3.90	99.00	1.24	562.45
0818-12	1-1/4" FPT	48.83	1.26	32.00	2.64	67.00	2.24	57.00	4.61	117.00	1.74	789.25
0818-15	1-1/2" FPT	74.65	1.50	38.00	3.15	80.00	2.44	62.00	5.08	129.00	2.15	975.22
0818-20	2" FPT	86.44	1.93	49.00	3.52	89.50	2.70	68.50	5.98	152.00	3.34	1515.00
0818-25	2-1/2" FPT	106.67	2.44	62.00	3.98	101.00	3.70	94.00	7.87	200.00	6.23	2825.88
0818-30	3" FPT	158.85	2.95	75.00	4.37	111.00	4.02	102.00	8.82	224.00	8.15	3696.78
0818-40	4" FPT	173.44	3.62	92.00	5.00	127.00	4.53	115.00	9.88	251.00	13.03	5910.31

The Flow Coefficient (Cv) is the number of U.S. gallons that can pass through a valve when it is in the fully opened position at a pressure drop of 1 PSI. Testing is typically done by running water (specific gravity of 1.0 centistoke viscosity) at 60°F (°C).

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0818NL SERIES - NO LEAD BRASS FULL PORT GATE VALVE (THREADED)

FEATURES:

- Full Port
- Cast no lead brass body
- Non-rising stem
- Black cast hand wheel

SPECIFICATIONS:

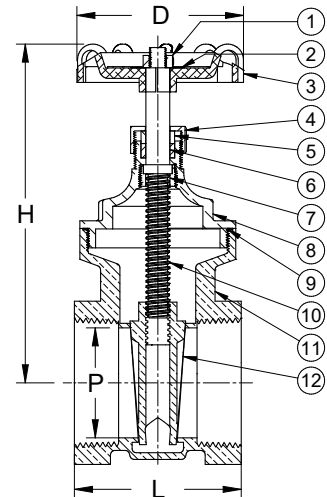
- Threads conform to ANSI / ASME B1.20.1

CERTIFICATION:

- NSF/ANSI/CAN Standard 61 Certified (Drinking Water System Components - Health Effects)
- NSF/ANSI/CAN Standard 372 Certified (Drinking Water System Components - Lead Content - NL test criteria <0.25% Pb by weighted average)

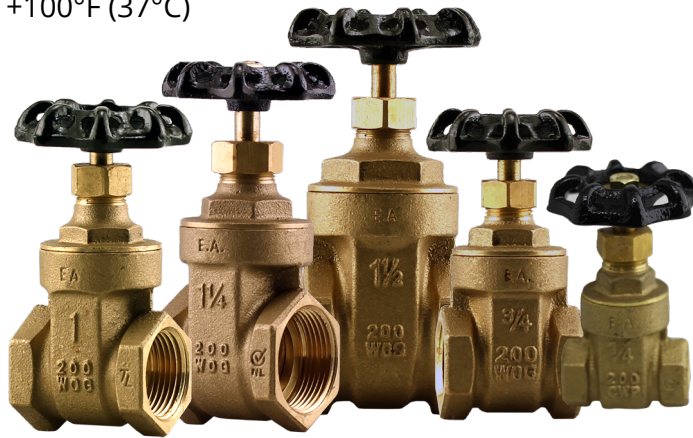
RATINGS:

- Max Pressure Rating: 200 PSI CWP
- Max temp rating: 150°F (66°C) See page 2 for Temperature/Working Pressure Chart
- CWP - Cold Working Pressure, is an indication of the pressure rating for valves at a temperature of up to +100°F (37°C)



MATERIAL LIST

Part No.	Part Name	Material
1	Wheel Nut	Brass Plated Steel
2	Name Plate	Aluminium
3	Hand Wheel	Black powder coated cast iron
4	Packing Nut	C89550 NL Brass
5	Stem Ring	C89550 NL Brass
6	Stem Packing	PTFE (Polytetrafluoroethylene)
7	Lock Nut	C89550 NL Brass
8	Bonnet	C89550 NL Brass
9	Bonnet Packing	Fibre
10	Stem	C89550 NL Brass
11	Body	C89550 NL Brass
12	Disc	C89550 NL Brass



DIMENSIONS

Part No.	Description	Flow Coefficient (Cv)	P		D		L		H		Weight	
			in	mm	in	mm	in	mm	in	mm	lbs	grams
0818-02NL	1/4" FPT	3.96	0.43	11.00	2.09	53.00	1.71	43.50	2.91	74.00	0.63	285.76
0818-03NL	3/8" FPT	7.37	0.47	12.00	2.09	53.00	1.71	43.50	2.91	74.00	0.61	276.69
0818-05NL	1/2" FPT	9.75	0.53	13.50	2.09	53.00	1.71	43.50	2.91	74.00	0.62	281.23
0818-07NL	3/4" FPT	18.84	0.75	19.00	2.13	54.00	1.81	46.00	3.31	84.00	0.87	394.63
0818-10NL	1" FPT	31.82	0.98	25.00	2.48	63.00	2.13	54.00	3.90	99.00	1.27	576.06
0818-12NL	1-1/4" FPT	48.83	1.26	32.00	2.72	69.00	2.24	57.00	4.61	117.00	1.76	798.32
0818-15NL	1-1/2" FPT	74.65	1.50	38.00	3.15	80.00	2.44	62.00	5.08	129.00	2.18	988.83
0818-20NL	2" FPT	86.44	1.93	49.00	3.52	89.50	2.70	68.50	5.98	152.00	3.36	1524.07
0818-25NL	2-1/2" FPT	106.67	2.44	62.00	3.98	101.00	3.70	94.00	7.87	200.00	6.38	2893.92
0818-30NL	3" FPT	158.85	2.95	75.00	4.37	111.00	4.02	102.00	8.82	224.00	8.16	3701.31
0818-40NL	4" FPT	173.44	3.62	92.00	5.00	127.00	4.53	115.00	9.88	251.00	13.07	5928.45

The Flow Coefficient (Cv) is the number of U.S. gallons that can pass through a valve when it is in the fully opened position at a pressure drop of 1 PSI. Testing is typically done by running water (specific gravity of 1.0 centistoke viscosity) at 60°F (°C).

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0818CNL SERIES - NO LEAD BRASS FULL PORT GATE VALVE (CXC)

SPECIFICATION:

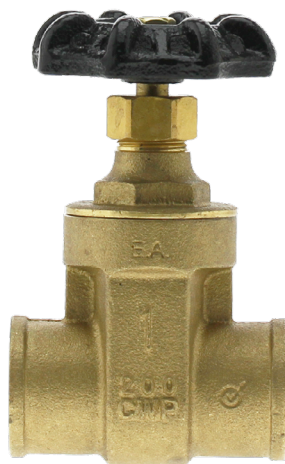
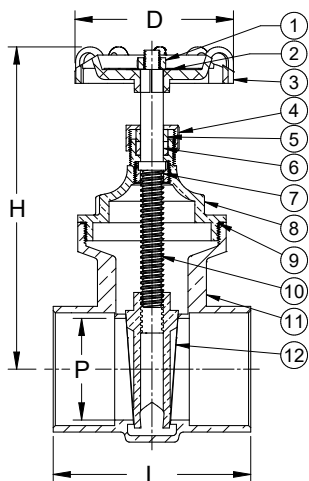
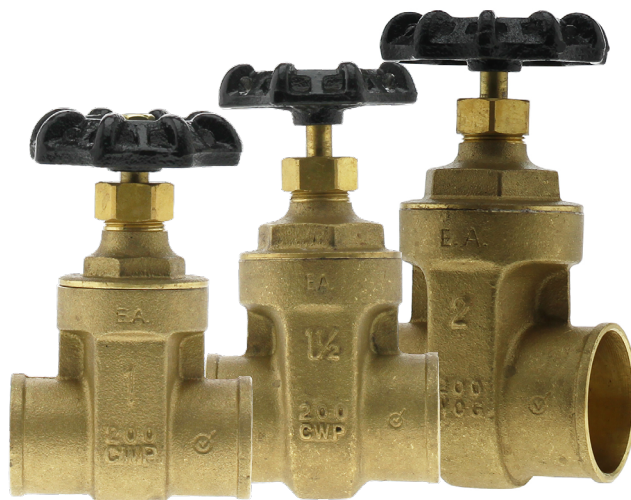
- Sweat Ends conform to ANSI / ASME B16.18
- Full Port
- Cast no lead brass body
- Non-rising stem
- Black cast hand wheel

CERTIFICATION:

- NSF/ANSI/CAN Standard 61 Certified (Drinking Water System Components - Health Effects)
- NSF/ANSI/CAN Standard 372 Certified (Drinking Water System Components - Lead Content - NL test criteria <0.25% Pb by weighted average)

RATINGS:

- Max Pressure Rating: 200 PSI CWP
- Max temp rating: 150°F (66°C) See Page 2 for Temperature/Working Pressure Chart
- CWP - Cold Working Pressure, is an indication of the pressure rating for valves at a temperature of up to +100°F (37°C)



MATERIAL LIST

Part No.	Part Name	Material
1	Wheel Nut	Brass Plated Steel
2	Name Plate	Aluminium
3	Hand Wheel	Black powder coated cast iron
4	Packing Nut	C89550 NL Brass
5	Stem Ring	C89550 NL Brass
6	Stem Packing	PTFE (Polytetrafluoroethylene)
7	Lock Nut	C89550 NL Brass
8	Bonnet	C89550 NL Brass
9	Bonnet Packing	Fibre
10	Stem	C89550 NL Brass
11	Body	C89550 NL Brass
12	Disc	C89550 NL Brass

DIMENSIONS

Part No.	Description	Flow Coefficient (Cv)	P		D		L		H		Weight	
			in	mm	in	mm	in	mm	in	mm	lbs	grams
0818C-05NL	1/2" CxC	9.75	0.53	13.50	2.08	53.00	1.69	43.00	2.91	74.00	0.55	249.48
0818C-07NL	3/4" CxC	18.84	0.75	19.00	2.12	54.00	2.32	59.00	3.30	84.00	0.83	376.48
0818C-10NL	1" CxC	31.82	0.98	25.00	2.48	63.00	2.71	69.00	3.89	99.00	1.19	539.77
0818C-12NL	1-1/4" CxC	48.83	1.26	32.00	2.71	69.00	2.93	74.50	4.60	117.00	1.59	721.21
0818C-15NL	1-1/2" CxC	74.65	1.50	38.00	3.15	80.00	3.32	84.50	5.07	129.00	2.20	997.90
0818C-20NL	2" CxC	86.44	1.93	49.00	3.52	89.50	3.97	101.00	5.98	152.00	3.12	1415.21

The Flow Coefficient (Cv) is the number of U.S. gallons that can pass through a valve when it is in the fully opened position at a pressure drop of 1 PSI. Testing is typically done by running water (specific gravity of 1.0 centistoke viscosity) at 60°F (°C).

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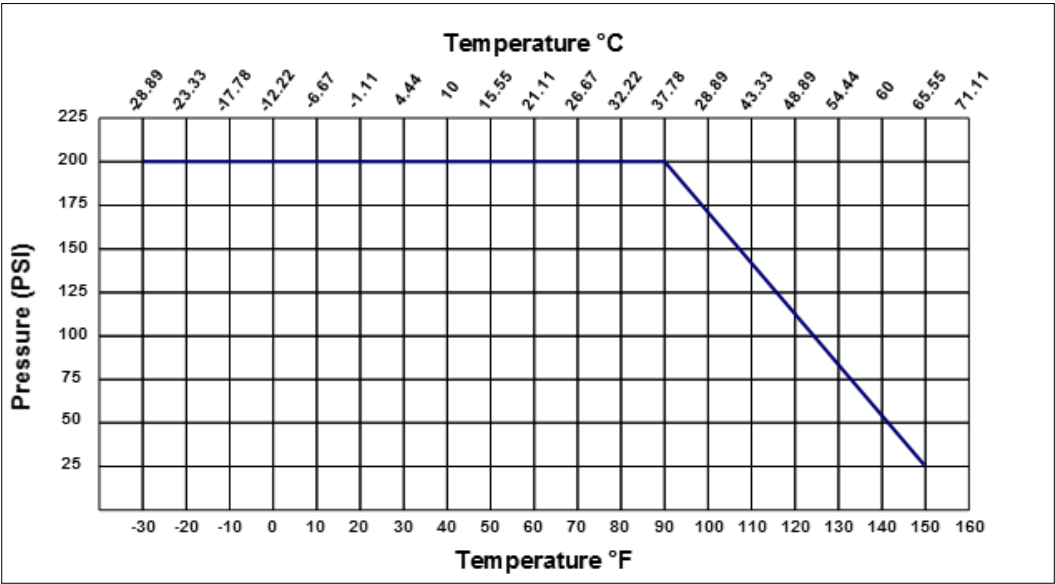
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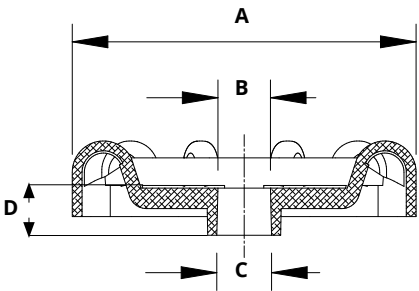
TEMPERATURE/PRESSURE CHART:



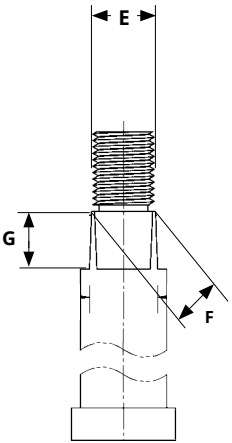
REPLACEMENT HAND WHEELS:

HANDLE

0890GV-02



STEM
(Not available as
replacement part.
Table is for dimensional
reference only)



DIMENSIONS															
Part No.	Valve Size (FPT)	Handle								Stem					
		A		B		C		D		E		F		G	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
0890GV-1	1/4" to 3/4"	2.126	54	0.252	6.4	0.287	7.3	0.354	9	0.252	6.4	0.284	7.5	0.295	7.5
0890GV-2	1"	2.480	63	0.264	6.7	0.311	7.9	0.354	9	0.272	6.9	0.307	7.8	0.256	6.5
0890GV-3	1-1/4"	2.717	69	0.331	8.4	0.378	9.6	0.453	11.5	0.319	8.1	0.374	9.5	0.394	10
0890GV-4	1-1/2"	3.150	80	0.331	8.4	0.378	9.6	0.453	11.5	0.319	8.1	0.374	9.5	0.394	10
0890GV-5	2"	3.524	89.5	0.378	9.6	0.421	10.7	0.492	12.5	0.374	9.5	0.413	10.5	0.394	10
0890GV-6	2-1/2"	3.976	101	0.417	10.6	0.437	11.1	0.551	14	0.390	9.9	0.417	10.6	0.394	10
0890GV-7	3"	4.370	111	0.457	11.6	0.484	12.3	0.591	15	0.437	11.1	0.465	11.8	0.394	10
0890GV-8	4"	4.843	123	0.480	12.2	0.520	13.2	0.591	15	0.461	12.7	0.500	12.7	0.492	12



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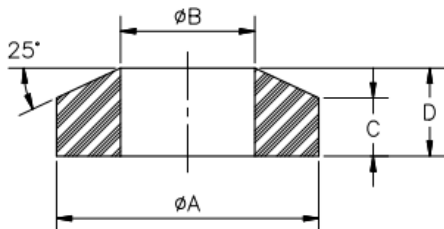
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REPLACEMENT STEM PACKING:

DIMENSIONS									
Part No.	Fits Valve Size (FPT)	A (O.D.)		B (I.D.)		C		D	
		in	mm	in	mm	in	mm	in	mm
0818PT-VSP1-V1311	1/4" to 3/4"	0.58	14.65	0.30	7.7	0.11	2.9	0.18	4.5
0818PT-VSP2-V1311	1"	0.66	16.65	0.33	8.4	0.14	3.6	0.22	5.5
0818PT-VSP3-V1311	1-1/4" to 1-1/2"	0.64	16.30	0.39	9.8	0.23	5.8	0.28	7.0
0818PT-VSP4-V1311	2"	0.71	18.00	0.44	11.1	0.26	6.7	0.31	8.0
0818PT-VSP5-V1311	2-1/2" to 3"	0.79	20.00	0.54	13.6	0.27	6.8	0.31	8.0
0818PT-VSP6-V1311	4"	0.87	22.00	0.61	15.6	0.30	7.6	0.35	8.8

1/4" through 1" sizes



1-1/4" through 4" sizes

