

VALVES



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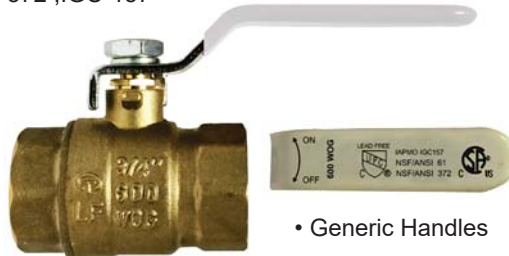


• BRASS • 600PSI • STAINLESS STEEL BALL • FULL PORT



IAMPO IGC 157 - 2004b

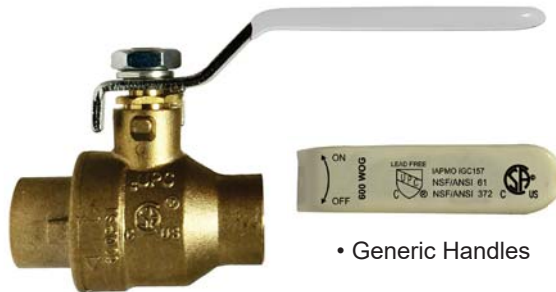
Lead Free Brass Ball Valve NPT,Female*Female
 Lead Free and dezincification resistant (DZR) material
 IAPMO listed to NSF/ANSI-61, NSF/ANSI-372 ,IGC-157
 CSA listed to NSF/ANSI-61, NSF/ANSI-372 ,IGC-157
 Vacuum Services 29.92 inches Hg
 600 psi (WOG) 150 psi (WSP) Service
 Thread conform ANSI B1.20.1
 Temperature Range : -40° F to 365° F
 Construction:Forging Brass Body
 PTFE Ball Seats
 Blow Out Proof Brass Stem
 Stainless Steel Ball
 Steel Handle w/Vinyl Grip
 Made in China



• Generic Handles

FIP X FIP LEAD FREE BALL VALVE

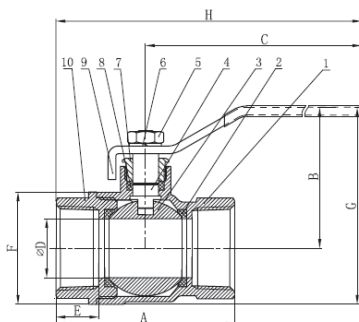
Part #	Size	OD	A	B	C	E	F	G	H	Weight	Box/Case	List Price
941151LF	1/4"	0.394	1.73	1.69	3.35	0.453	0.945	2.154	4.331	0.32	10/120	----
941152LF	3/8"	0.394	1.73	1.69	3.35	0.473	0.945	2.154	4.331	0.32	10/120	----
941153LF	1/2"	0.524	1.89	1.73	3.35	0.472	1.083	2.276	4.291	0.36	10/100	----
941154LF	3/4"	0.748	2.28	1.89	3.35	0.563	1.378	2.579	4.488	0.57	10/80	----
941155LF	1"	0.984	2.80	2.14	4.29	0.650	1.772	3.031	5.689	0.65	8/48	----
941156LF	1-1/4"	1.240	3.15	2.32	4.29	0.669	2.165	3.398	5.866	1.75	4/36	----
941157LF	1-1/2"	1.476	3.44	2.66	5.63	0.701	2.50	3.909	7.343	2.10	2/24	----
941158LF	2"	1.949	4.06	3.01	5.63	0.708	3.244	4.638	7.638	3.35	2/12	----



• Generic Handles

SWT X SWT LEAD FREE BALL VALVE

Part #	Size	OD	A	B	C	E	G	H	Weight	WTG	Box/Case	List Price
941163LF	1/2"	0.524	1.945	1.73	3.35	0.504	1.083	2.276	4.319	0.38	10/100	----
941164LF	3/4"	0.748	2.654	1.89	3.35	0.748	1.378	2.579	4.665	0.65	10/80	----
941165LF	1"	0.984	3.315	2.14	4.29	0.909	1.772	3.031	5.949	1.18	8/48	----
941166LF	1-1/4"	1.240	3.741	2.32	4.29	0.968	2.165	3.398	6.165	1.35	4/36	----
941167LF	1-1/2"	1.476	4.252	2.66	5.63	1.091	2.50	3.909	7.756	2.18	2/24	----
941168LF	2"	1.949	5.276	3.01	5.63	1.343	3.244	4.638	8.268	3.62	2/12	----



No	Item	Qty	Material
1	Body	1	Lead Free Brass
2	Seat	2	PTFE
3	Ball	1	Stainless Steel
4	Stem	1	Brass
5	Handle Nut	1	Plated Steel
6	Lock Washer	1	Plated Steel
7	Packing Nut	1	Brass
8	Packing	1	PTFE
9	Handle	1	Plated Steel
10	Cap	1	Lead Free Brass

LEAD FREE BALL VALVE

VALVES

1/2" - 2" Sizes Gas Approved



LEAD FREE BALL VALVE W/APPROVALS

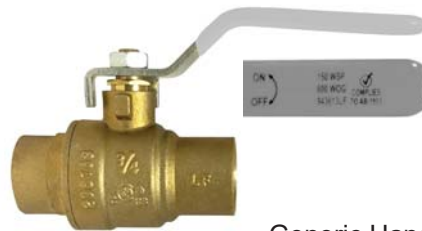
• **BRASS** • **600PSI** • **FULL PORT**
CSA, UL, FM(1/4"-2"), cUPC, NSF/ ANSI 61 & 372

FEATURES

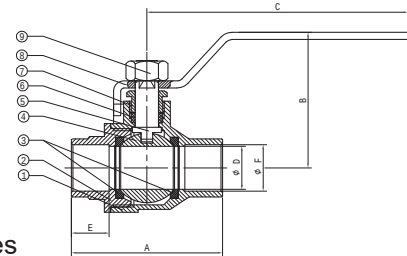
- Leadfree Brass Ball valve NPT, Female * Female
- Lead free and dezincification resistant (DZR) material
- 1/4"-1" Lead Free Brass Ball
- Size 1-1/4" thru 4" with Stainless steel ball
- IAMPO listed to cUPC, NSF/ ANSI 61 & 372, IGC 157
- CSA - 1/4" thru 2": ANSI Z21.15/ CSA 9.1 for 1/2 psig valves
ASME B16.44, CGA CR91-002 for 2 & 5 psig valves;
CAN/ CGA-3.16, ASME B16.33 (1/2"-2") for 125 psig valves
- UL 125, UL 1477, UL 842 - for size 1/4" thru 4", 250 psig
- UL 258 - for size 1/4" thru 2", 175 psig
- FM - for size 1/4" thru 2"
- ISO 9002 Manufacture
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- White vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation
- Low operating torque

- **Adjustable stem packing gland**
- Maximum operating temperature: 302°F (150° C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections
- Made in China

POS	Components	Materials
1	Body	Lead Free Brass
2	End Cap	Lead Free Brass
3	Ball Seat	PTFE
4	Ball	1/4-1-Lead Free Brass 1 1/4-4-SS316 Hollowball
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Brass plating steel
10	Seal	PTFE



• Generic Handles



Part#	Size	DIMENSIONS								Weight	Box/Case	List Price
		A	B	C	D	E	F	G	H			
940-171LF	1/4"	1.756	1.732	3.543	0.394	0.457	1.012	2.238	4.421	0.34	70/140	----
940-172LF	3/8"	1.756	1.732	3.543	0.394	0.457	1.012	2.238	4.421	0.34	70/140	----
940-173LF	1/2"	2.047	2.040	3.543	0.583	0.520	1.240	2.559	4.567	0.45	50/100	----
940-174LF	3/4"	2.362	2.260	3.780	0.748	0.563	1.492	2.854	4.961	0.69	30/60	----
940-175LF	1"	2.756	2.579	4.528	0.945	0.630	1.791	3.476	5.906	1.11	20/40	----
940-176LF	1-1/4"	3.307	3.050	4.528	1.260	0.709	2.343	4.134	6.181	1.85	12/24	----
940-177LF	1-1/2"	3.661	3.366	5.420	1.575	0.717	2.835	4.783	7.343	2.60	9/18	----
940-178LF	2"	4.181	3.701	6.160	1.969	0.748	3.425	5.413	7.602	3.62	6/12	----
940-179LF	2-1/2"	4.181	4.650	8.870	2.520	1.024	4.331	6.969	11.350	7.93	3/6	----
940-180LF	3"	6.039	4.970	8.870	2.913	1.102	4.921	7.579	11.681	10.40	1/4	----
940-181LF	4"	7.386	6.130	10.85	3.898	1.220	6.430	9.055	13.299	20.99	1/2	----

SWT X SWT LEAD FREE BALL VALVE FM, cUPC, NSF/ ANSI 61 & 372

Part #	SWT	A	B	C	D	E	F	Weight	Box/Case	List Price
943-612LF	1/2"	2.047	1.839	3.543	0.583	0.512	0.630	0.45	50/100	----
943-613LF	3/4"	2.748	2.14	3.780	0.748	0.748	0.878	0.68	30/60	----
943-614LF	1"	3.228	2.449	4.528	0.945	0.906	1.130	1.08	20/40	----
943-615LF	1-1/4"	3.819	3.04	4.36	1.260	0.972	1.378	1.80	12/24	----
943-616LF	1-1/2"	4.425	3.169	5.39	1.575	1.088	1.630	2.51	9/18	----
943-617LF	2"	5.377	3.488	6.307	1.989	1.346	2.130	3.57	6/12	----

ITALIAN LEAD FREE BRASS BALL VALVE

LEAD
FREE

VALVES



CSA AGA 3.88 5 PSIG



UL842, UL258, UL125, FM

ISO 9002 Manufacturer
FEATURES600 PSI non-shock cold water, gas, oil
- 150 PSI saturated steam

- **SOLID CHROME PLATED BRASS BALL**
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Blue vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation
- Low operating torque
- Flow can go both directions

- Adjustable stem packing gland
- Maximum operating temperature: 248°F (120° C) at 600 PSI
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections

MADE IN ITALY



FIP X FIP

ANSI/ISF 61-8
• Generic Handles

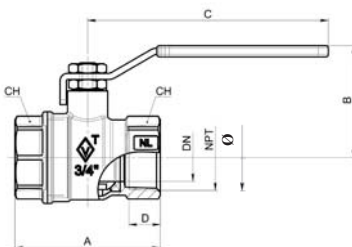
SWT X SWT

FIP X FIP LEAD FREE FORGED BRASS BALL VALVE

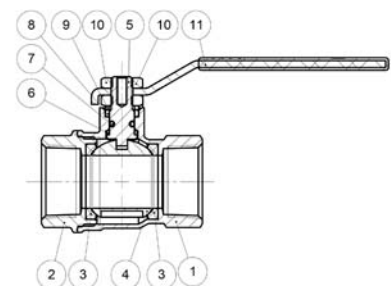
Part #	NPT	DN	A	B	C	D	CH	Weight (lbs)	Box/Case	List Price
943-233LF	1/2"	0.57	2.09	1.57	3.35	0.46	0.98	0.39	20/80	----
943-234LF	3/4"	0.75	2.28	1.77	3.80	0.49	1.22	0.56	14/56	----
943-235LF	1"	0.94	2.80	2.03	3.80	0.59	1.50	0.89	6/24	----
943-236LF	1-1/4"	1.24	3.23	2.32	4.72	0.62	1.85	1.44	4/16	----
943-237LF	1-1/2"	1.49	3.70	2.60	4.72	0.64	2.13	2.19	2/8	----
943-238LF	2"	1.96	4.13	3.27	6.38	0.65	2.64	3.62	1/4	----

SWT X SWT LEAD FREE FORGED BRASS BALL VALVE

Part #	SWT	Ø	DN	A	B	C	D	CH	Weight (lbs)	Box/Case	List Price
940-212LF	1/2"	0.63	0.57	2.25	1.57	3.35	0.42	0.79	0.35	20/80	----
940-213LF	3/4"	0.866	0.75	3.05	1.77	3.80	0.61	1.06	0.55	10/40	----
940-214LF	1"	1.102	0.94	3.68	2.03	3.80	0.73	1.34	0.87	6/24	----
940-215LF	1-1/4"	1.377	1.24	4.18	2.32	4.72	0.91	1.61	1.41	6/24	----
940-216LF	1-1/2"	1.61	1.49	4.96	2.60	4.72	1.06	1.89	2.08	2/8	----
940-217LF	2"	2.125	1.96	5.87	3.27	6.38	1.26	2.40	3.62	1/4	----



POS	Components	Materials
1	Body	CW510L
2	End Connection	CW510L
3	Ball Seal	PTFE
4	Seal	CW510L
5	Stem	CW614N
6	Lower Stem	PTFE
7	O-Ring	NBR70sh
8	Upper Seal	PTFE
9	Brass Ring	CW614N
10	Nut	Steel
11	Handle	Steel P10



LEAD FREE GATE/ CHECK/ Y VALVES

VALVES

BRASS GATE VALVE IPS

- **200 WOG (Cold water, oil, gas)**
- **125 WSP (Saturated Steam)**
- Brass Forged body/bonList- stronger than sand castings.
- Superior quality and finish.
- Each valve individually tested.
- Threaded ends to ANSI B1.20.1,
Solder ends to ANSI B16.18
- Non rising stem.
- Cast iron handle.



BRASS GATE VALVE IPS

Part#	Size	List Price
940-130LF	1/4	----
940-131LF	3/8	----
940-132LF	1/2	----
940-133LF	3/4	----
940-134LF	1	----
940-135LF	1-1/4	----
940-136LF	1-1/2	----
940-137LF	2	----

BRASS GATE VALVE C X C



Part#	Size	List Price
940-142LF	1/2"	----
940-143LF	3/4"	----
940-144LF	1"	----
940-145LF	1-1/4"	----
940-146LF	1-1/2"	----
940-147LF	2"	----

BRASS CHECK VALVE

NO	Part	Material
1	Cap	C37700
2	Gasket	NBR
3	Spring	Stainless Steel
4	Positioning Seat	BRASS
5	Screw	BRASS
6	Body	C37700



LEAD-FREE

Part #	Size	List Price
944-430LF	1/2	----
944-431LF	3/4	----
944-432LF	1	----
944-433LF	1-1/4	----
944-434LF	1-1/2	----
944-435LF	2	----

CAST BRASS SWING CHECK VALVE IPS

SCREWED ENDS

- Working pressure non-shock: 200 psi W.O.G. (cold water, oil, gas) 125 psi WSP (saturated steam)
- Swing type disc.
- Screwed Cap.
- Hard Seat.
- 90° Straight Pattern.
- Used to prevent reverse flow in commercial and industrial applications.
- Threaded ends to ANSI B1.20.1
- Integral seat.



Part #	Size	List Price
940-352LF	1/2"	----
940-353LF	3/4"	----
940-354LF	1"	----
940-355LF	1-1/4"	----
940-356LF	1-1/2"	----
940-357LF	2"	----

C X C SWING CHECK VALVE



Part #	Size	List Price
940-362LF	1/2	----
940-363LF	3/4	----
940-364LF	1	----
940-365LF	1-1/4	----
940-366LF	1-1/2	----
940-367LF	2	----

CLASS 150 BRASS Y-PATTERN STRAINER



LEAD-FREE

Part#	Size	List Price
940-523LF	1/2"	----

FORGED BRASS BALL VALVE

• BRASS • 600WOG • FULL PORT

1/2" - 2" Sizes Gas Approved

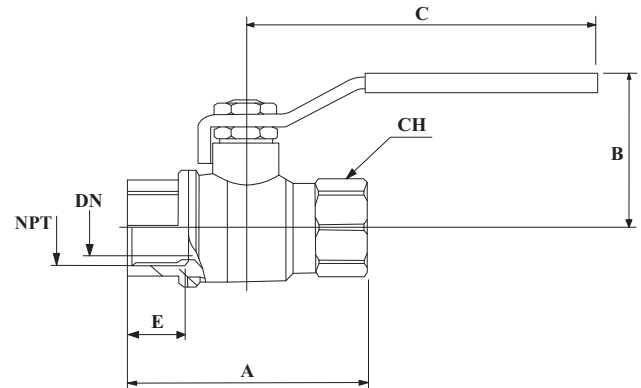
ISO 9002 Manufacturer
FEATURES1/4-2" 600 PSI non-shock cold water, gas, oil -
150 PSI saturated steam

2-1/2" - 4" 400 PSI non-shock cold water, gas, oil

Made in China

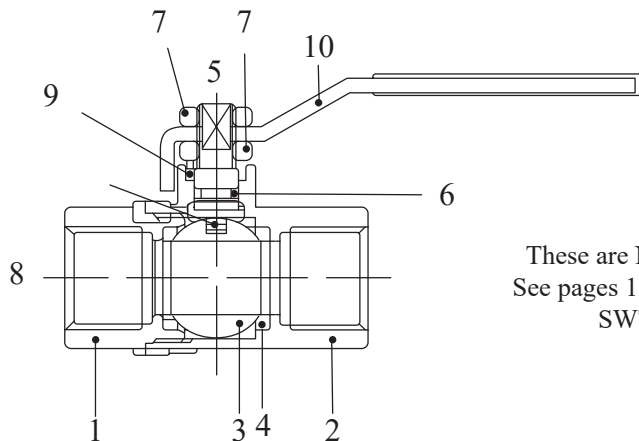
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- Yellow vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation
- Not Lead Free
- Good for gasoline

- Low operating torque
- Adjustable stem packing gland
- Maximum operating temperature: 302°F (150° C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections



Part#	Size	Dimension Inches						Weight	Box/Case	List Price
	NPT	DN	A	B	C	E	CH			
940-171	1/4"	0.39	1.75	1.27	3.54	0.46	0.78	0.34	70/140	----
940-172	3/8"	0.41	1.75	1.27	3.54	0.46	0.78	0.30	70/140	----
940-173	1/2"	0.58	2.05	1.92	3.54	0.52	0.98	0.44	50/100	----
940-174	3/4"	0.75	2.36	2.08	3.78	0.56	1.20	0.67	30/60	----
940-175	1"	0.94	2.75	2.56	4.52	0.66	1.50	1.05	20/40	----
940-176	1-1/4"	1.26	3.30	2.95	4.52	0.70	1.82	1.50	12/24	----
940-177	1-1/2"	1.57	3.66	3.34	5.51	0.72	2.09	2.30	9/18	----
940-178	2"	1.97	4.18	3.68	5.51	0.74	2.62	3.38	6/12	----
940-179*	2-1/2"	2.52	5.38	4.76	8.66	1.01	3.36	7.61	4/8	----
940-180*	3"	2.95	6.04	5.08	8.66	1.11	3.86	11.10	2/4	----
940-181*	4"	3.89	7.38	5.86	9.00	1.22	4.89	12.12	1/2	----

* 400 PSI



These are NOT Lead Free
See pages 178 for Lead Free
SWT Valves

POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Seat	P.T.F.E.	2
5	Stem	Brass	1
6	Gland	Brass	1
7	Nut	Steel	1
8	Spring Inseat	Steel	1
9	Stem Seal	P.T.F.E.	1
10	Handle	Steel	1

Some product stocked in Houston and Atlanta.

• Not Lead Free AB1953 Compliant

LOCKING HANDLE BALL VALVE

VALVES

LOCKING HANDLE BALL VALVE

• BRASS • 600WOG • FULL PORT

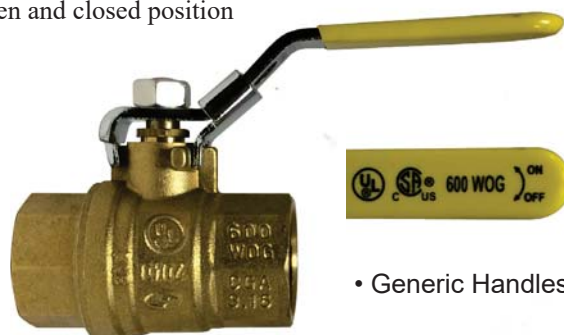
1/2" - 2" Sizes Gas Approved

ISO 9002 Manufacturer
FEATURES1/4-2" 600 PSI non-shock cold water, gas, oil -
150 PSI saturated steam

Made in China

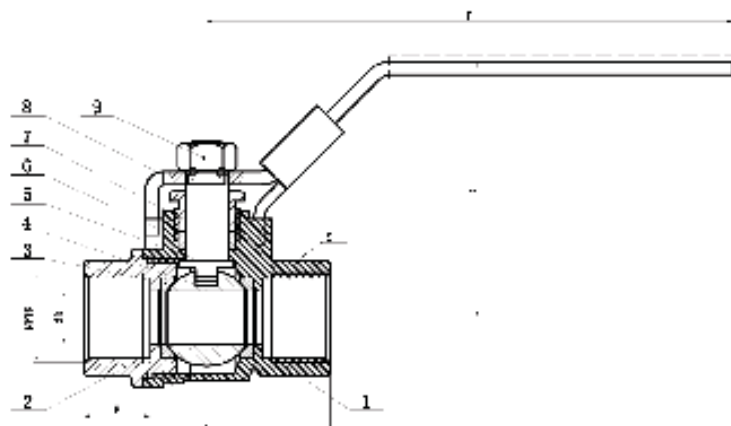
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- Yellow vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation
- Not Lead Free
- Locking mechanism works in open and closed position

- Low operating torque
- Adjustable stem packing gland
- Maximum operating temperature: 302°F (150° C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections



• Generic Handles

Part#	Size	Dimension Inches								
	NPT	DN	A	B	C	E	CH	Weight	Box/Case	List Price
940-171L	1/4"	0.31	1.73	1.84	3.15	0.49	0.71	0.39	70/140	----
940-172L	3/8"	0.39	1.81	1.88	3.86	0.49	0.79	0.35	70/140	----
940-173L	1/2"	0.58	2.23	2.09	3.86	0.61	0.98	0.49	50/100	----
940-174L	3/4"	0.75	2.48	2.24	4.06	0.62	1.20	0.78	30/60	----
940-175L	1"	0.94	2.95	2.67	4.73	0.73	1.50	1.18	20/40	----
940-176L	1-1/4"	1.26	3.42	3.05	4.73	0.77	1.81	1.76	12/24	----
940-177L	1-1/2"	1.57	3.78	3.51	5.71	0.78	2.09	2.53	9/18	----
940-178L	2"	1.97	4.18	3.84	5.71	0.75	2.60	3.53	6/12	----



POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Seat	P.T.F.E.	2
5	Stem	Brass	1
6	Gland	Brass	1
7	Nut	Steel	1
8	Spring Inseat	Steel	1
9	Stem Seal	P.T.F.E.	1
10	Handle	Steel	1

• Not Lead Free AB1953 Compliant

BUTTERFLY HANDLE BALL VALVE

• BRASS • 600WOG • FULL PORT

1/2" - 3/4" Sizes Gas Approved

ISO 9002 Manufacturer
FEATURES1/4-3/4" 600 PSI non-shock cold water, gas, oil
- 150 PSI saturated steam

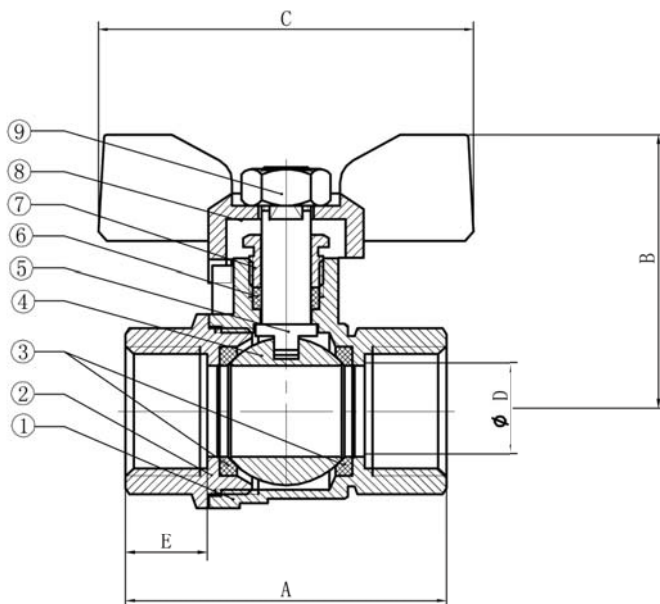
Made in China

- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-3/4" at 600psi (42 bars) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- Fast 1/4 turn open or close operation
- Low operating torque
- Adjustable stem packing gland
- Maximum operating temperature: 302°F (150° C)

- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections
- Not Lead Free



Part#	Size NPT	A	B	C	D	E	Weight	Box/Case	List Price
940-171T	1/4"	1.677	1.488	1.831	0.315	0.457	0.342	70/140	----
940-172T	3/8"	1.756	1.488	1.831	0.394	0.457	0.31	70/140	----
940-173T	1/2"	2.047	1.756	2.394	0.583	0.520	0.44	50/100	----
940-174T	3/4"	2.362	1.921	2.394	0.748	0.563	0.68	30/60	----



POS	Components	Materials
1	Body	C37700
2	End Cap	C37700
3	Ball Seat	PTFE
4	Ball	C37700
5	Stem	C37700
6	Stem Packing	PTFE
7	Packing Nut	C37700
8	Lever Handle	ZL102
9	Stem Nut	A570

Steel Tee handle option available
with extended delivery (1/4" - 4")

• Not Lead Free AB1953 Compliant

NICKEL PLATED BALL VALVE**VALVES****NICKEL PLATED BALL VALVE**

- BRASS
- 600WOG
- FULL PORT
- NO APPROVALS

Vacuum service to 29 inches Hg

600 psi (WOG) 150 psi (WSP) Service

Thread conform ANSI B1.20.1

Temperature Range : -40° F to 365° F

Construction: Forging Brass Body, Nickel plated

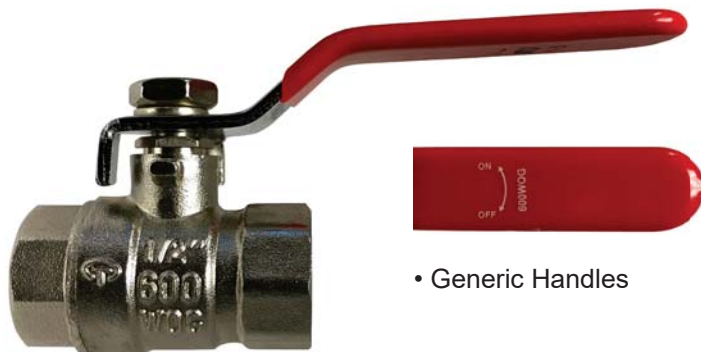
PTFE Ball Seats

Blow Out Proof Brass Stem

Steel Handle w/Vinyl Grip

Made in China

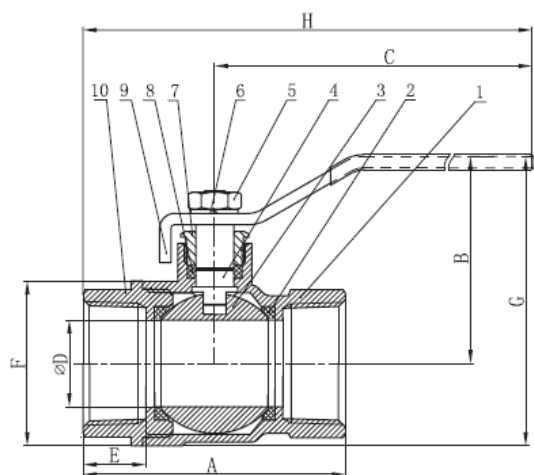
- Not Lead Free

NEW

- Generic Handles

FIP X FIP NICKEL PLATED BALL VALVE

Part #	Size	OD	A	B	C	E	F	G	H	Weight	Box/Case	List Price
941151NP	1/4"	0.394	1.73	1.69	3.35	0.453	0.945	2.154	4.331	0.32	10/120	----
941152NP	3/8"	0.394	1.73	1.69	3.35	0.473	0.945	2.154	4.331	0.32	10/120	----
941153NP	1/2"	0.524	1.89	1.73	3.35	0.472	1.083	2.276	4.291	0.36	10/100	----
941154NP	3/4"	0.748	2.28	1.89	3.35	0.563	1.378	2.579	4.488	0.57	10/80	----
941155NP	1"	0.984	2.80	2.14	4.29	0.650	1.772	3.031	5.689	0.65	8/48	----
941156NP	1-1/4"	1.240	3.15	2.32	4.29	0.669	2.165	3.398	5.866	1.75	4/36	----
941157NP	1-1/2"	1.476	3.44	2.66	5.63	0.701	2.50	3.909	7.343	2.10	2/24	----
941158NP	2"	1.949	4.06	3.01	5.63	0.708	3.244	4.638	7.638	3.35	2/12	----



No	Item	Qty	Material
1	Body	1	NP Brass
2	Seat	2	PTFE
3	Ball	1	Brass CP
4	Stem	1	Brass/ NP
5	Handle Nut	1	Plated Steel
6	Lock Washer	1	Plated Steel
7	Packing Nut	1	Brass/ NP
8	Packing	1	PTFE
9	Handle	1	Plated Steel
10	Cap	1	Brass/ NP

Gas Approved



UL842, UL258, UL125, FM

CSA AGA 3.88 5 PSIG

N/P BALL VALVE W/SS TRIM

- NICKEL PLATED
- SS BALL, HANDLE, NUT & STEM
- LOCKING HANDLE
- W/APPROVALS

Features

- Vacuum service to 29 inches Hg
- Thread Conform ANSI B1.20.1
- Forged Brass Body
- Blow Out Proof Stem Design
- Packing Nut, O-RING & Packing On The Stem Seal
- Stainless Steel Ball, Handle, Nut&Stem
- Handle With Vinyl Grip

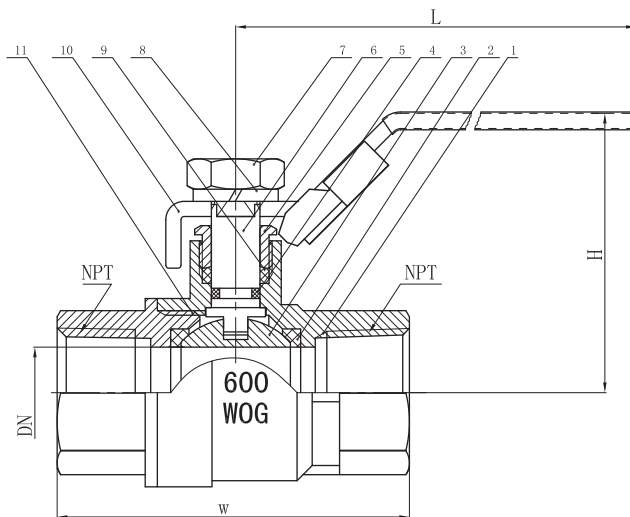
Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free
- No more rusty handles



- Generic Handles

Part#	Size	D	L	H	W	Cv	Wt.(lbs.)	Box/Case	List Price
941-121NP	1/4	0.394	4.48	2.11	1.73	8.23	0.326	10/120	----
941-122NP	3/8	0.394	4.48	2.11	1.73	8.23	0.320	10/120	----
941-123NP	1/2	0.591	4.48	2.60	2.24	18.55	0.474	10/100	----
941-124NP	3/4	0.748	4.48	2.84	2.52	29.76	0.785	10/80	----
941-125NP	1	0.984	4.48	3.01	2.97	51.55	1.155	8/48	----
941-126NP	1-1/4	1.259	5.59	3.35	3.44	84.42	1.797	4/36	----
941-127NP	1 1/2	1.574	5.59	3.61	3.88	131.93	2.447	2/24	----
941-128NP	2	1.941	5.59	3.91	4.29	200.35	3.477	2/12	----



Part Name	Material
Body	Brass/ Nickel Plated
Seat	PTFE
Ball	Stainless Steel
O-ring	Viton
Packing Nut	Brass/ Nickel Plated
Stem	Stainless Steel
Handle Nut	Stainless Steel
Lock Washer	Stainless Steel
Packing	PTFE
Handle	Stainless Steel
Cap	Brass/ Nickel Plated

NO MORE RUSTY HANDLES!

ITALIAN BALL VALVE

VALVES

ITALIAN BALL VALVE

• BRASS • 600WOG • FULL PORT

5 PSIG
US

UL842, UL258, UL125, FM

ISO 9002 Manufacturer
FEATURES

CSA AGA 3.88 5 PSIG IAMPO IGC 157 - 2004b

- **SOLID CHROME PLATED BRASS BALL**
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation
- Low operating torque
- Flow can go both directions
- Generic Handles

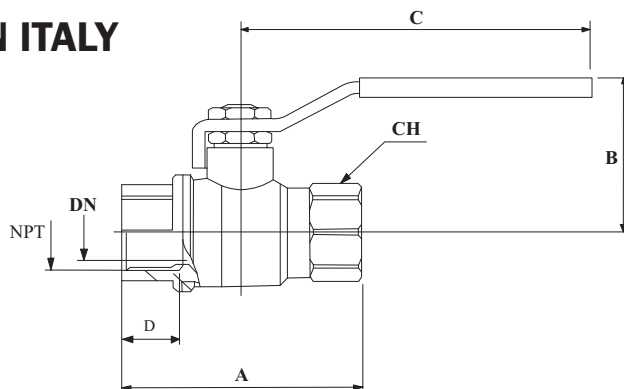
- **Adjustable stem packing gland**
- Maximum operating temperature: 248°F (120° C) at 600 PSI
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections

• REVERSIBLE HANDLES

MADE IN ITALY



Female x Female



Part#	Size	Dimension Inches								
	NPT	DN	A	B	C	D	CH	Weight	Box/Case	List Price
943-200	1/4"	.39	1.96	1.53	3.34	.43	.75	0.36	24/96	----
943-201	3/8"	.39	1.96	1.53	3.31	.43	.86	0.40	20/80	----
943-202	1/2"	.57	2.09	1.57	3.35	.46	.98	0.44	20/80	----
943-203	3/4"	.75	2.28	1.77	3.80	.49	1.22	0.61	14/56	----
943-204	1"	.94	2.80	2.03	3.80	.59	1.50	1.14	6/24	----
943-205	1-1/4"	1.24	3.23	2.32	4.72	.62	1.85	1.64	4/16	----
943-206	1-1/2"	1.49	3.70	2.60	4.72	.64	2.13	2.60	2/8	----
943-207	2"	1.96	4.13	3.27	6.38	.65	2.64	3.89	2/8	----
942-208	2-1/2"	2.48	5.94	4.30	7.54	1.06	3.31	7.87	5	----
942-209	3"	2.99	6.85	5.63	8.86	1.14	3.89		3	----
942-210	4"	3.54	7.67	6.04	8.86	1.22	4.80		1	----

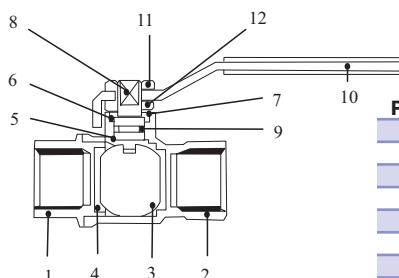
HANDLE OPTIONS

TEE HANDLES

Part #	Valve Size	List Price
43-200T	1/4" - 3/4"	----
43-204T	1"	----

LOCKING HANDLES

Part #	Valve Size	List Price
43-200L	1/4" - 3/4"	----
43-204L	1"	----
43-206L	1-1/4" - 1-1/2"	----
43-207L	2"	----



POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Stems	P.T.F.E.	2
5	Stem Antif. Seat	P.T.F.E.	1
6	Stem Seat	P.T.F.E.	1
7	Brass Ring	Brass	1
8	Stem	Brass	1
9	O-Ring	NBR 80	1
10	Handle	Steel	1
11	Nut	Steel	1
12	Nut	Brass	1

• Not Lead Free AB1953 Compliant

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MALE X FEMALE BRASS BALL VALVE

• 600WOG • FULL PORT



UL842, UL258

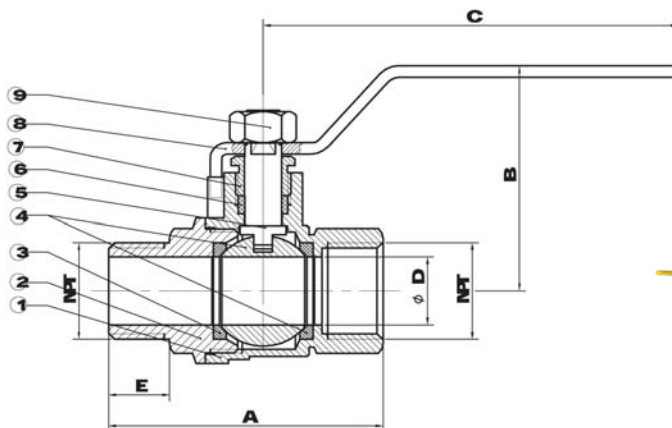
- Solid chrome plated brass ball
- Suitable for full range of liquids and gases.
- Minimal pressure drop due to large full size ports.
- Bottom loaded, pressure retaining stem.
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150psi (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation.
- Flow both directions.
- Low operating torque.
- Adjustable stem packing gland.
- Generic Handles

- Maximum operating temperature: 248°F (120°C)
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested.
- Forged Brass - for more strength.
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem.
- Made in China



• Not Lead Free

Part#	Size	NPT	A	B	C	D	E	Weight	Box/Case	List Price
948-170	1/4	1/4 - 18	2.016	1.689	2.756	0.315	0.457	0.29	70/140	----
948-171	3/8	3/8 - 18	2.094	1.732	3.543	0.394	0.457	0.33	70/140	----
948-172	1/2	1/2 - 14	2.343	1.941	3.543	0.583	0.520	0.47	50/100	----
948-173	3/4	3/4 - 14	2.618	2.106	3.780	0.748	0.563	0.68	30/60	----
948-174	1	1 - 11.5	3.000	2.579	4.528	0.945	0.630	1.47	20/40	----
948-175	1-1/4	1-1/4 - 11.5	3.563	2.953	4.528	1.260	0.709	1.61	12/24	----
948-176	1-1/2	1-1/2 - 11.5	3.965	3.346	5.512	1.575	0.717	2.50	9/18	----
948-177	2	2 - 11.5	4.496	3.681	5.512	1.969	0.748	3.48	6/12	----



POS	Components	Materials
1	Body	C37700
2	End Cap	CS7700
3	Ball Seat	PTFE
4	Ball	CS7700
5	Stem	CS7700
6	Stem Reducing	PTFE
7	Reducing Nut	CS7700
8	Lever Handle	1008
9	Stem Nut	A570 Gr.A



Locking Handle option
see pg. 184



Tee handle option
see pg. 183

ITALIAN MALE X FEMALE BALL VALVE

VALVES

ITALIAN MALE X FEMALE BALL VALVE

• BRASS • 600WOG • FULL PORT

Gas Approved

5 PSIG
US

UL842, UL258, UL125, FM

CSA AGA 3.88 5 PSIG

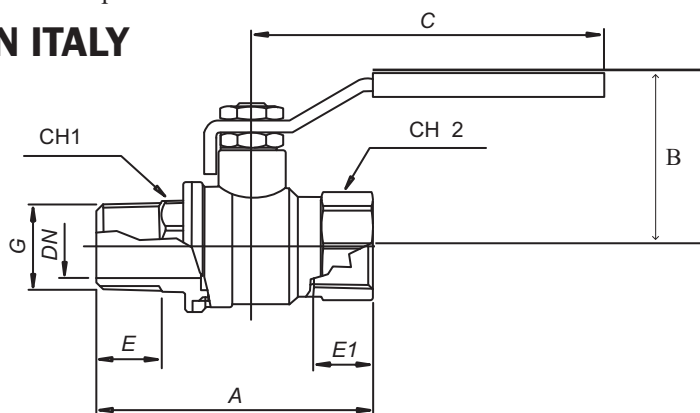
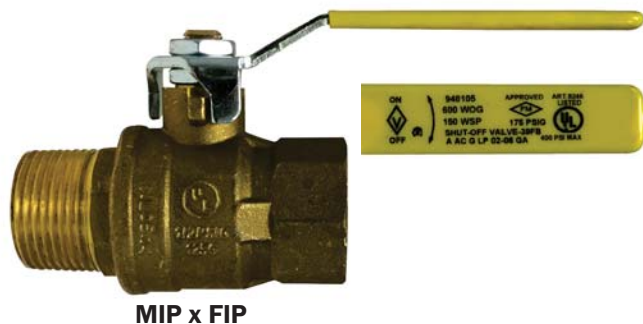
Made in Italy

ISO 9002 Manufacturer
FEATURES

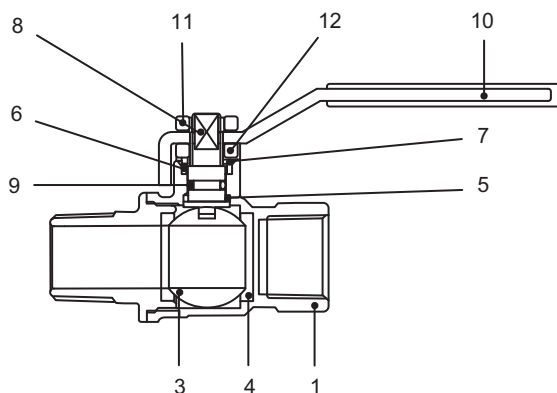
- Solid chrome plated brass ball
- Suitable for full range of liquids and gases.
- Minimal pressure drop due to large full size ports.
- Bottom loaded, pressure retaining stem.
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150psi (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation.
- Generic Handles

- Low operating torque.
- Adjustable stem packing gland.
- Maximum operating temperature: 248°F (120°C) at 600 p.s.i
- Minimum operating temperature: -20°F (-40°C)
- KV: Pressure drop m³/h.
- Each valve individually tested.
- Forged Brass - for more strength.
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem.
- Deeper threads - for better connections.

MADE IN ITALY



Part#	Size	DN	A	B	C	E	E1	CH1	CH2	Weight	Box/Case	List Price
948-101	1/4	.39	2.18	1.53	3.34	.39	.43	.55	.75	0.35	24/96	----
948-102	3/8	.39	2.20	1.53	3.34	.43	.43	.71	.86	0.40	24/96	----
948-103	1/2	.57	2.54	1.57	3.35	.53	.46	.87	.98	0.50	14/56	----
948-104	3/4	.75	2.75	1.77	3.80	.55	.49	1.12	1.22	0.68	12/48	----
948-105	1	.94	3.23	2.03	3.80	.69	.59	1.34	1.50	1.18	6 /24	----
948-106	1-1/4	1.24	3.76	2.32	4.72	.71	.62	1.69	1.85	1.70	4/16	----
948-107	1-1/2	1.49	4.11	2.60	4.72	.73	.64	2.20	2.13	2.72	2/8	----
948-108	2	1.96	4.72	3.27	6.38	.85	.65	2.40	2.64	3.84	1/4	----



POS	Components	Materials	N
1	Body	CW617N Forged Brass	1
2	End Connection	CW617N Forged Brass	1
3	Ball	CW617N CP Brass	1
4	Ball Stems	P.T.F.E.	2
5	Stem Antif. Seat	P.T.F.E.	1
6	Stem Seat	P.T.F.E.	1
7	Brass Ring	CW617N Brass	1
8	Stem	CW617N Brass	1
9	O-Ring	NBR 80	1
10	Handle	UNI EN 10025 Steel	1
11	Nut	UN 5771 Steel	1
12	Nut	CW617N Brass	1

• Not Lead Free

TEE HANDLE BALL VALVE - MALE X FEMALE



UL842, UL258

NEW

Features

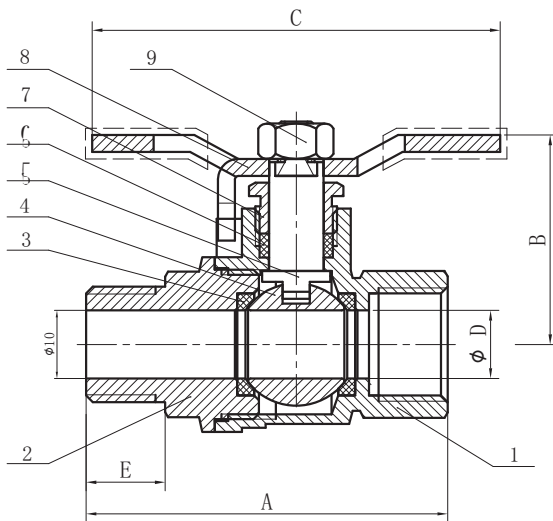
- Thread conform ANSI B1.20.1
- Forged brass body
- Blow out proof stem design
- Packing nut, O-Ring and packing on the stem seal
- Chrome Plated Brass Ball
- Handle with vinyl grip

Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free



Part#	Size	Dimension Inches					Weight	Box/Case	List Price
	NPT	A	B	C	D	E			
948-170T	1/4"	2.016	1.169	2.362	0.315	0.457	0.30	70/140	----
948-171T	3/8"	2.094	1.213	2.362	0.394	0.457	0.33	70/140	----
948-172T	1/2"	2.343	1.461	2.953	0.583	0.520	0.49	50/100	----
948-173T	3/4"	2.618	1.606	2.953	0.748	0.563	0.73	30/60	----
948-174T	1"	3.000	1.921	3.701	0.945	0.630	1.16	20/40	----
948-175T	1-1/4"	3.563	2.303	3.701	1.260	0.709	1.70	12/24	----
948-176T	1-1/2"	3.965	2.717	4.331	1.575	0.717	2.46	9/18	----
948-177T	2"	4.496	3.051	4.331	1.969	0.748	3.61	6/12	----



Item	Part	Materials
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	C/P Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	T-Handle	Nickel plating steel
9	Stem Nut	Brass plating steel

LOCKING HANDLE M X F BALL VALVES

VALVES

LOCKING HANDLE BALL VALVES - FEMALE X MALE



UL842, UL258

NEW

Features

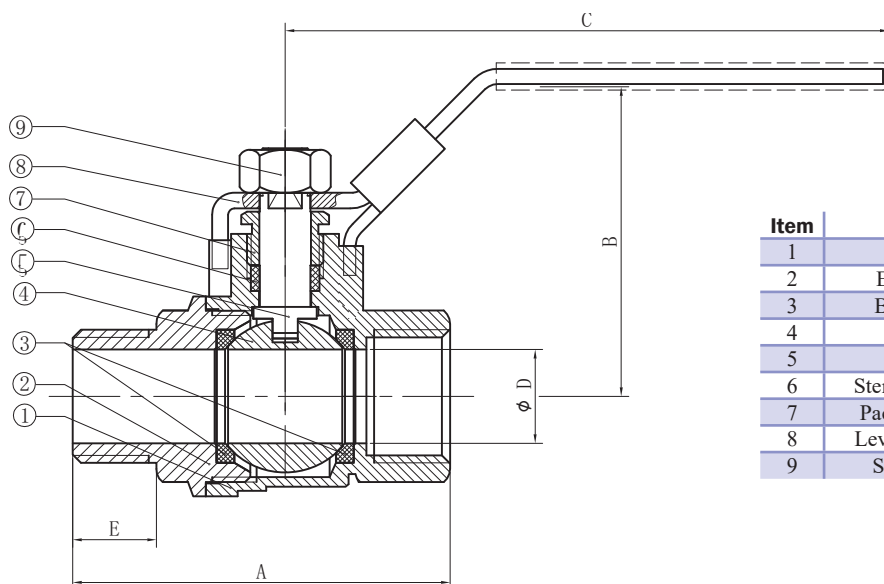
- Thread conform ANSI B1.20.1
- Forged brass body
- Blow out proof stem design
- Packing nut, O-Ring and packing on the stem seal
- Chrome Plated Brass ball
- Handle with vinyl grip

Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free



Part#	Size	Dimension Inches					Weight	Box/Case	List Price
	NPT	A	B	C	D	E			
948-170L	1/4"	2.016	1.732	3.543	0.315	0.457	0.32	70/140	----
948-171L	3/8"	2.094	1.732	3.543	0.394	0.457	0.37	70/140	----
948-172L	1/2"	2.343	1.941	3.543	0.583	0.520	0.50	50/100	----
948-173L	3/4"	2.618	2.106	3.78	0.748	0.563	0.77	30/60	----
948-174L	1"	3.000	2.579	4.528	0.945	0.630	1.21	20/40	----
948-175L	1-1/4"	3.563	2.961	4.528	1.260	0.709	1.74	12/24	----
948-176L	1-1/2"	3.965	3.366	5.512	1.575	0.717	2.58	9/8	----
948-177L	2"	4.496	3.701	5.512	1.969	0.748	3.73	6/12	----

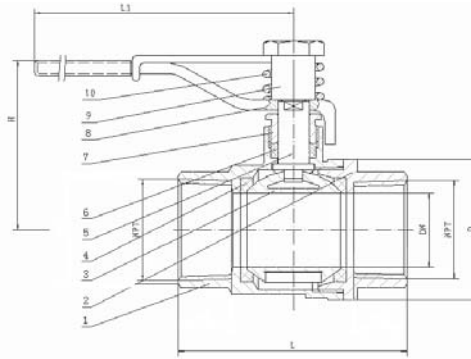


Item	Part	Materials
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	C/P Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Brass plating steel

BRASS SPRING HANDLE BALL VALVE

Working pressure: 600 PSI for brass
 Temperature Range: -40°F to 365°F (-40°C to +185°C)
 Material: Brass
 Spring Lever Handle w/Vinyl Grip
 Made in China
 Not lead free

NEW



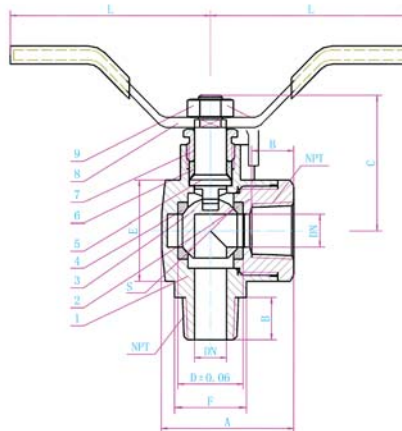
Part #	Part Name	Material
1	Body	Brass
2	Bonnet	Brass
3	Ball	Brass
4	Sealing Seat	PTFE
5	Stem	Stainless Steel
6	Packing Ring	PTFE
7	Gland	Brass
8	Handle	Stainless Steel
9	Bolt	Brass
10	Spring	Stainless Steel

Item#	Size	L	D	DN	H	L3	WTG	Box/Case	List Price
947-103	1/2"	2.19	1.24	0.59	2.24	3.92	0.54	10/80	----
947-104	3/4"	2.38	1.5	0.75	2.36	3.92	0.72	6/48	----
947-105	1"	3.23	1.91	0.98	2.71	4.49	1.11	6/36	----

RIGHT ANGLE BRASS BALL VALVE

Working pressure: 250PSI
 Temperature Range -40° to 400°F (-40 °C to +205 °C)
 With lever Handle Teflon seats 2-pc, full port Heavy Duty forged Body Steel Handle w/Vinyl Grip-
 Made in China
 Not lead free

NEW



Part #	Part Name	Material
1	Body	Brass
2	Cap	Brass
3	Ball	Brass
4	Seat	PTFE
5	Stem	Brass
6	Stuffing	PTFE
7	Packing Nut	Brass
8	Handle	Steel
9	Nut	Brass

Part #	Size	A	B	C	D	S	DN	L	E	F	WTG	Box/Case	List Price
947-111	1/4	1.59	0.41	1.40	0.64	0.63	0.32	3.15	0.98	0.65	0.34	10/120	----
947-112	3/8	1.59	0.41	1.40	0.73	0.71	0.39	3.15	0.98	0.65	0.36	10/120	----
947-113	1/2	1.73	0.55	1.40	0.79	0.87	0.55	3.15	1.08	0.83	0.55	10/120	----

3-WAY AND SAFETY EXHAUST BALL VALVES

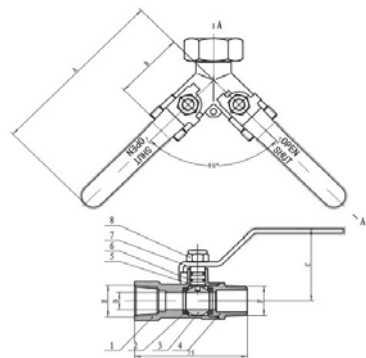
VALVES

3-WAY WYE BRASS BALL VALVE, VENTED AND UNVENTED

- Max. pressure: W.O.G. (water, oil, inert gas)
Unvented Valve: 600psi@70°F
Vented Valve: 250psi@70°F
W.S.P. (working steam pressure)
Unvented Valve: 150psi@365°F
Vented Valve: Not related
- Vacuum Rating: 29"Hg
- Temperature Range: -40° to 365°F
- Ports: Full

NEW

Part#	Part Name	Material
1	Body	Brass Nickel Plated
2	Seat	PTFE
3	Ball	Brass, Cr. Plated
4	Cap	Brass Nickel Plated
5	Stem	Brass
6	O-Ring	Viton
7	Handle	Steel
8	Nut	Steel



Designed for the portable air compressor industry, these valves control the flow of water, oil, and inert gases in two directions and are great for mixing and diverting. They have a single female inlet and two male outlets with two ball valves. Valves are Brass Nickel Plated and have chrome-plated brass balls, brass blow-out proof stems, PTFE seats and seals, and steel lever handles with vinyl grips. Vented valves have a drilled hole on the two valve balls and body that vents compressed air in the line when the valve is closed. Connections: 1" NPT female inlet and 3/4" NPT male outlet. • Made in China • Not lead free



NON-VENTED



VENTED

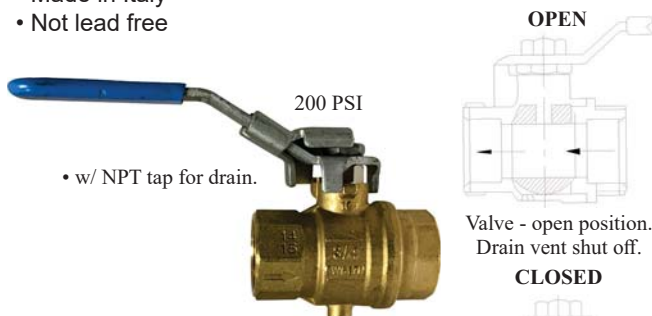
Part #	Ball	E	F	A	B	C	D	G	WTG	Box/Case	List Price
947-125	Non-vented	1" Female	3/4" Male	5.18"	2.5"	2.05"	0.59"	90°	1.53	2/24	----
947-126	Vented								1.48	2/24	----

EXHAUST VALVES

AUTOMATIC DRAIN & LATCH LOCK HANDLE

Full port hot forged brass ball valve, blow-out proof stem, downstream automatic vent with lockable handle in compliance with OSHA requirements.

- Maximum working pressure: 200 PSI (CWP).
- Temperature rating: -4°F through +350°F.
- Made in Italy
- Not lead free



- w/ NPT tap for drain.

Part#	Size	List Price
948-131	1/4"	----
948-132	3/8"	----
948-133	1/2"	----
948-134	3/4"	----
948-135	1"	----

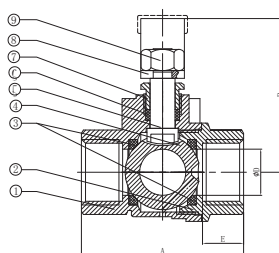
Valve - closed and draining occurs. Upstream seat prevents air flow. Downstream system is vented to atmosphere.

SAFETY EXHAUST BALL VALVE

- Threaded - Two Piece Body - Full Port
- Vented
- Blow-out Proof Stem - PTFE Seats
- 400 PSI WOG
- To Exhaust and Downstream Air in the Closed Position w/ locking lever handle.
- Made in China • Not lead free



Part #	Size	A	B	D	E	List Price
948-141	1/4"	1.756	1.732	0.394	0.457	----
948-142	3/8"	1.756	1.732	0.394	0.457	----
948-143	1/2"	2.047	1.941	0.583	0.520	----
948-144	3/4"	2.362	2.126	0.748	0.563	----



MATERIAL LIST

Item	Part	Material
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Nickel plating steel

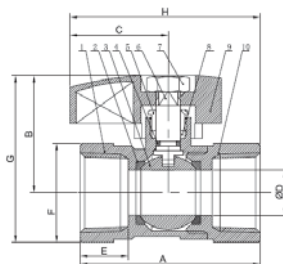
GAS BALL VALVES

 5 PSIG
C US
CSA AGA 3.88 5 PSIG

Manual Valve
 LISTED
Threaded NPT
UL 842, UL 258, UL 125

ISO 9002 Manufacturer
FEATURES

- Material: C37700
- Forged brass, Regular port, Thread*Flare Thread
- Thread ends in ANSI B1.20.1
- Working temperature: 0-65°(32-149°)
- Pressure : 1/2PSI; 5PSI;
- ASEM B16.44/CR91; ANSI Z21.15/CSA9.1
- UL 125 For LP-Gas 125psig
- Made in China



10	BALL VALVE CAP	1	BRASS
9	HANDLE	1	AL-alloy
8	PACKING	1	PTFE
7	HANDLE NUT	1	PLATED STEEL
6	STEM	1	BRASS
5	PACKING NUT	1	BRASS
4	O-RING	1	NBR
3	BALL	1	BRASS
2	SEALING WASHER	2	PTFE
1	BALL VALVE BODY	1	BRASS
NO.	ITEM	TOTAL	MATERIAL

GAS BALL VALVE (2-Piece)

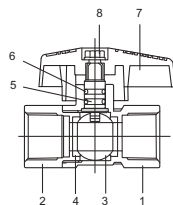
FEMALE x FEMALE

Part#	Size	WTG	Box/Case	List Price
943-311	3/8"	0.35	10/100	----
943-312	1/2"	0.44	10/100	----
943-313	3/4"	0.62	10/100	----

SIZE	øD	A	B	C	E	F	G	H
3/8"	0.394	1.752	1.437	1.28	0.472	0.945	1.909	2.146
1/2"	0.394	2.204	1.437	1.28	0.606	1.043	1.961	2.461
3/4"	0.591	2.362	1.535	1.28	0.626	1.299	2.815	2.476

- For use with natural, manufactured, mixed liquified. petroleum and LP gas-air mixtures.
- Deeper thread connections. Smooth quarter-turn.
- Manufactured to ANSI Z21.15, C.G.A. 9.1-M81, 9.2-M88, 1/2 psig. 372 also to A.G.A.3-8, C.G.A. CR91-002, 2 psig.
- Solid chrome plated brass ball
- Bottom entry
- Blow out proof design.
- Double viton o-rings stem seals
- Teflon seats for durability.
- Forged construction for greater strength.
- Larger ports for increased flow capacity.
- Red Reversible handle.
- May be used with water 400 WOG.

MADE IN ITALY



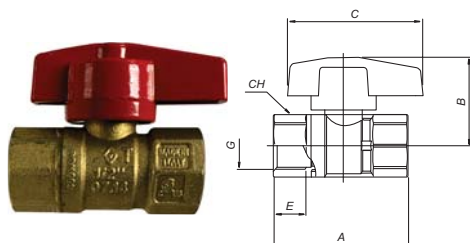
	Components	Materials
1	Body	Forged Brass
2	End Connection	Forged Brass
3	Ball	Forged Brass
4	Ball Seats	P.T.F.E.
5	Stem	Brass
6	O-Ring	NBR
7	Butterfly	Steel
8	Screw	UNI 5771 Steel

 5 PSIG
C US
CSA AGA 3.88 5 PSIG

Manual Valve
 LISTED
Threaded NPT
UL 842, UL 258, UL 125

GAS BALL VALVES

FEMALE x FEMALE



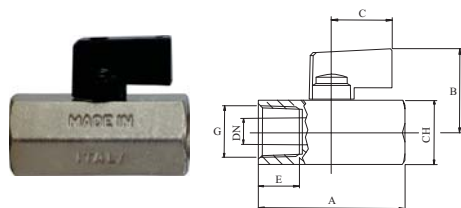
Part#	Size	Dimension Inches							PN in psi	WTG	Box/ Case	List Price
	G	DN	A	B	C	E	CH					
943-212	1/2"	.47	2.26	1.45	2.28	.55	.98	600	0.33	20/80	----	
943-213	3/4"	.59	2.48	1.57	2.28	.57	1.22	600	0.45	14/56	----	

CHROME PLATED BRASS MINI BALL VALVE**VALVES****ITALIAN CHROME PLATED BRASS MINI BALL VALVE**

ISO 9002 Manufacturer

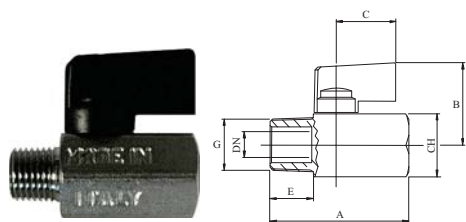
FEATURES

- Solid chrome plated brass ball
- Max working pressure 235 psi will handle 300psi@75° F
- Longer body style for longer, deeper thread connections
- One piece drawn sand blasted chrome plated body.
- Each valve is seal tested for maximum safety.
- Double seal system allows valve to be operated in both directions making installation easier.
- Blowout-proof brass stem.
- NPT taper ANSI B1.20.1 threads.
- 32°F to +176°F temperature.
- 1/4 Turn Aluminium handle with mechanical stop.
- NSF Approved valves available upon request!
- Not lead free

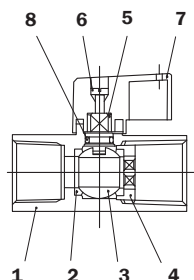
Female x Female

Made in Italy

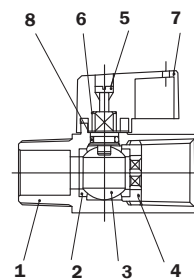
Part#	Size		Dimension Inches								Box/ Case	List Price
	G	DN	A	B	C	E	CH	WTG				
46-922 I	1/4"	0.31	1.81	1.17	0.9	0.51	0.83	0.24			50/200	----
46-923 I	3/8"	0.31	1.85	1.17	0.9	0.51	0.83	0.22			50/200	----
46-924 I	1/2"	0.39	2.18	1.26	0.9	0.61	0.98	0.32			30/120	----

Male x Female

Part#	Size		Dimension Inches								Box/ Case	List Price
	G	DN	A	B	C	E	CH	WTG				
46-903 I	1/4"	0.31	1.75	1.17	0.9	.40	0.83	0.20			50/200	----
46-904 I	3/8"	0.31	1.81	1.17	0.9	.41	0.83	0.20			50/200	----
46-905 I	1/2"	0.39	2.14	1.26	0.9	.52	0.98	0.30			40/160	----



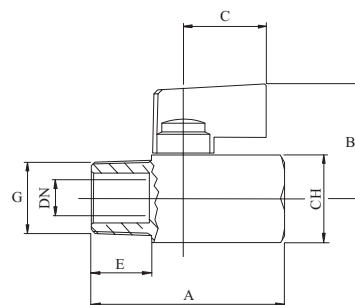
POS	Components	Materials	N
1	Body	CW517N Forged Brass	1
2	Ball Seats	P.T.F.E	2
3	Ball	CW517N CP Brass	1
4	Ring Unit	CW614N Brass	1
5	Stem	CW614N Brass	1
6	Screw	UNI 5771 Steel	1
7	Handle	Aluminum	1
8	O-Ring	NBR 80	1

**YELLOW BRASS 1/4" MINI MALE X FEMALE VALVE**

- Proprietary seal design extreme for low & high temperature applications
- -76° to +248°F temperature.
- Nominal working pressure 235 psi will handle 300psi@75° F
- One piece drawn sand blasted brass plated body. Solid chrome plate brass ball
- Double seal system allows valve to be operated in both directions making installation easier.
- Blowout-proof brass stem.
- NPT taper ANSI B1.20.1 threads.
- 1/4 TURN BLACK METAL HANDLE WITH MECHANICAL STOP.

**MALE x FEMALE**

MADE IN ITALY



Part#	Size		Dimension Inches								List Price
	NPT	DN	A	B	C	E	CH	CASE			
46-903ISB	1/4"	0.315	1.75	1.18	1.24	0.48	0.83	200			----

MINI BALL VALVES

- Chrome plated forged brass body
- Chrome plated brass ball
- NPT taper ANSI B1.20.1 threads*
- 450 PSI working pressure
- At 212°F - 355 PSI
- At 356°F - 142 PSI
- 1/4 Turn Alumzinc handle
- Not lead free
- Made in China



FEMALE X FEMALE - FLAG HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/Case	List Price
		A	D(FLOW)	F	G			
46-934	1/8	1.57	0.24	0.93	1.46	0.21	20/300	----
46-935	1/4	1.57	0.31	0.93	1.46	0.20	20/300	----
46-936	3/8	1.57	0.28	0.93	1.46	0.22	20/300	----
46-937	1/2	1.77	0.35	0.93	1.56	0.24	20/200	----

MINI BALL VALVES W/VITON SEALS



NEW

FEMALE X FEMALE - LEVER HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/Case	List Price
		A	D(FLOW)	F	G			
46-934L	1/8	1.57	0.24	1.99	1.50	0.21	20/300	----
46-935L	1/4	1.57	0.31	1.99	1.50	0.20	20/300	----
46-936L	3/8	1.57	0.28	1.99	1.50	0.22	20/300	----
46-937L	1/2	1.77	0.35	1.99	1.59	0.24	20/200	----



NEW

FEMALE X FEMALE - TEE HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/Case	List Price
		A	D(FLOW)	F	G			
46-934LT	1/8	1.57	0.24	1.34	1.43	0.21	20/300	----
46-935LT	1/4	1.57	0.31	1.34	1.43	0.20	20/300	----
46-936LT	3/8	1.57	0.28	1.34	1.43	0.22	20/300	----
46-937LT	1/2	1.77	0.35	1.34	1.52	0.24	20/200	----

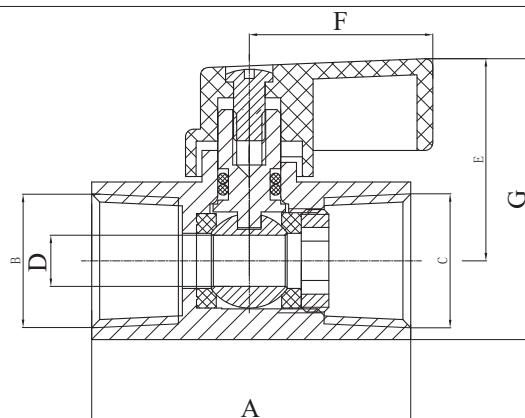
NEW

FEMALE X FEMALE - SCREWDRIVER

Part #	Size	Dimensions (In)		Wt lbs	Box/Case	List Price
		A	D(FLOW)			
46-934LS	1/8	1.57	0.24	0.21	20/300	----
46-935LS	1/4	1.57	0.31	0.20	20/300	----
46-936LS	3/8	1.57	0.28	0.22	20/300	----
46-937LS	1/2	1.77	0.35	0.24	20/200	----

* BSPP Threads available with extended delivery, same cost.

- Not lead free



Pos	Components	Materials	N
1	Body	CP Forged Brass	1
2	Ball Seats	P.T.F.E.	2
3	Ball	CP Brass	1
4	Ring Unit	Brass	1
5	Stem	Brass	1
6	O-Ring - flag handle	NBR 80	1
6	O-Ring - all others	Viton	1
7	Handle	Alumzinc	1
8	Screw	Steel	1

MINI BALL VALVE

VALVES

MINI BALL VALVES

- Chrome plated forged brass body
- Chrome plated brass ball
- NPT taper ANSI B1.20.1 threads*
- 450 PSI working pressure
- At 212°F - 355 PSI
- At 356°F - 142 PSI
- 1/4 Turn Alumzinc handle
- Not lead free
- Made in China



MALE X FEMALE - FLAG HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/ Case	List Price
		A	D(FLOW)	F	G			
46-930	1/8	1.57	0.24	0.93	1.46	0.17	20/300	----
46-931	1/4	1.57	0.31	0.93	1.46	0.15	20/300	----
46-932	3/8	1.57	0.28	0.93	1.46	0.21	20/300	----
46-933	1/2	1.77	0.35	0.93	1.56	0.24	20/200	----

MINI BALL VALVES W/VITON SEALS

NEW

MALE X FEMALE - LEVER HANDLE



Part #	Size	Dimensions (In)				Wt lbs	Box/ Case	List Price
		A	D(FLOW)	F	G			
46-930L	1/8	1.57	0.24	1.99	1.50	0.17	20/300	----
46-931L	1/4	1.57	0.31	1.99	1.50	0.15	20/300	----
46-932L	3/8	1.57	0.28	1.99	1.50	0.21	20/300	----
46-933L	1/2	1.77	0.35	1.99	1.59	0.24	20/200	----

NEW

MALE X FEMALE - TEE HANDLE



Part #	Size	Dimensions (In)				Wt lbs	Box/ Case	List Price
		A	D(FLOW)	F	G			
46-930T	1/8	1.57	0.24	1.34	1.46	0.17	20/300	----
46-931T	1/4	1.57	0.31	1.34	1.46	0.15	20/300	----
46-932T	3/8	1.57	0.28	1.34	1.46	0.21	20/300	----
46-933T	1/2	1.77	0.35	1.34	1.56	0.24	20/200	----

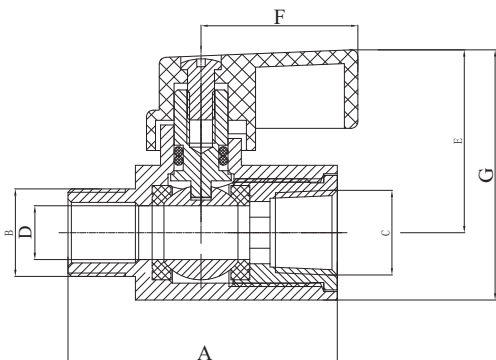
NEW

MALE X FEMALE - SCREWDRIVER

Part #	Size	Dimensions (In)		Wt lbs	Box/ Case	List Price
		A	D(FLOW)			
46-930S	1/8	1.57	0.24	0.17	20/300	----
46-931S	1/4	1.57	0.31	0.15	20/300	----
46-932S	3/8	1.57	0.28	0.21	20/300	----
46-933S	1/2	1.77	0.35	0.24	20/200	----

* BSPP Threads available with extended delivery, same cost.

• Not lead free

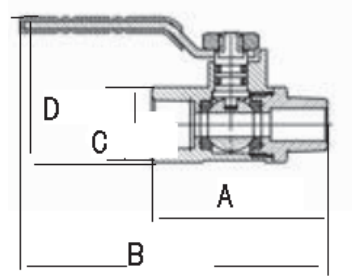


Pos	Components	Materials	N
1	Body	CP Forged Brass	1
2	Ball Seats	P.T.F.E.	2
3	Ball	CP Brass	1
4	Ring Unit	Brass	1
5	Stern	Brass	1
6	O-Ring - flag handle	NBR 80	1
6	O-Ring - all others	Viton	1
7	Handle	Alumzinc	1
8	Screw	Steel	1

FORGED BRASS MINI-BALL VALVES

- 180° operational handle, blow out proof stem. Stem with double “O” Rings
- 200 WOG
- Temp rating -20°F - 250°F
- Generic Handles
- Not lead free

NO	Part Name	Material	QTY
1	Nut	Steel	1
2	Handle	Steel	1
3	Cover	PVC	1
4	O-Ring	NBR	2
5	Stem	Brass	1
6	Body	Brass	1
7	Seat	Teflon	2
8	Ball Disc	Brass	1
9	End Plug	Brass	1



FEMALE x FEMALE

	Part #	Size	A	B	C	D	List Price
NEW	944-113	1/8	1.53	2.80	0.73	1.42	----
	944-116	1/4	1.53	2.80	0.73	1.42	----
NEW	944-117	3/8	1.73	2.90	0.87	1.50	----
NEW	944-140	1/2	2.07	3.08	0.98	1.45	----



FEMALE x MALE

	Part #	Size	A	B	C	D	List Price
	944-106	1/8	1.69	3.02	0.73	1.46	----
	944-100	1/4X1/8	1.70	3.00	0.73	1.44	----
	944-101	1/4	1.70	3.00	0.73	1.46	----
NEW	944-103	3/8	1.78	3.02	0.87	1.50	----
	944-102	3/8X1/4	1.72	2.90	0.89	1.66	----
NEW	944-104	1/2	2.34	3.35	0.98	1.45	----



MALE x MALE

	Part #	Size	A	B	C	D	List Price
NEW	944-107	1/8	1.82	2.94	0.65	1.42	----
NEW	944-109	1/4	1.82	2.94	0.65	1.42	----
NEW	944-110	3/8	1.90	2.98	0.73	1.42	----
	944-112	1/2	2.17	4.62	0.89	2.05	----



HOSE BARB x MALE

	Part #	Size	A	B	C	D	List Price	
	944-132	1/4X1/8	2.05	2.91	0.73	1.51	----	NEW
	944-138	1/4X1/4	2.05	2.98	0.73	1.51	----	
	944-128	3/8X1/4	2.08	3.04	0.73	1.51	----	
	944-130	3/8X3/8	2.12	3.06	0.73	1.51	----	NEW
	944-139	1/2X1/2	2.15	3.19	0.73	1.51	----	NEW



HOSE BARB x FEMALE

	Part #	Size	A	B	C	D	List Price
	944-135	1/8X1/8	1.78	2.34	0.62	1.38	----
	944-136	1/4X1/4	1.97	2.87	0.73	1.55	----



HOSE BARB x HOSE BARB

	Part #	Size	A	B	C	D	List Price
	944-142	1/4X1/4	2.49	3.19	0.73	1.55	----
	944-134	3/8X3/8	2.49	3.18	0.73	1.55	----

LEAD FREE

	Part #	Size	A	B	C	D	List Price
	944-142LF	1/4	2.49	3.19	0.73	1.55	----
	944-134LF	3/8	2.49	3.18	0.73	1.55	----

3-WAY BALL VALVE

VALVES

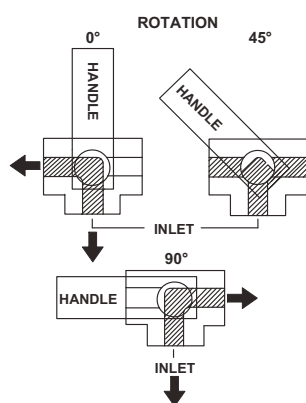
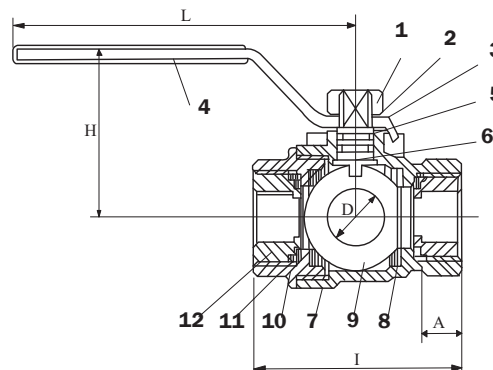
SIDE OUTLET 3-WAY BALL VALVE

• BRASS • 600WOG • FULL PORT

- Forged Brass
- 600 WOG
- Temp Rating 0-230°F



• Side outlet



- Full Port
- Blow-out proof stem
- double o-ring stem packing
- PTFE Seal
- Made in China
- Not lead free

Nomenclature & Materials

NO	Part Name	Material	Qty
1	Nut	Steel	1
2	Spring Washer	Steel	1
3	Handle	Steel	1
4	Cover	PVC	1
5	O-Ring	NBR	2
6	Stem	Brass	1
7	Body	Forged Brass	1
8	Seat	Teflon	2
9	Ball Disc	Brass	1
10	End Plug	Brass	1
11	O-Ring	NBR	3
12	Socket	Brass	3

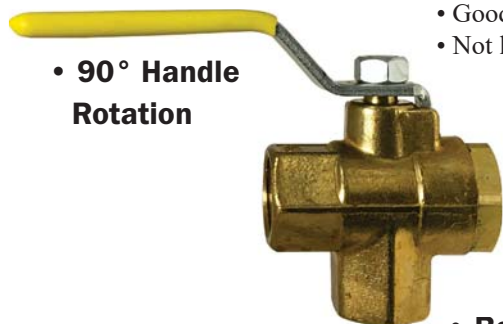
Part#	Size	I	H	D	L	A	WTG	Box/Case	List Price
940-464	1/4"	1.89	1.73	0.39	3.35	0.47	0.61	50/100	----
940-465	3/8"	1.89	1.73	0.39	3.35	0.47	0.57	50/100	----
940-461	1/2"	2.11	1.80	0.50	3.35	0.51	0.65	30/60	----
940-462	3/4"	2.56	2.16	0.74	4.41	0.55	0.78	20/40	----

BOTTOM OUTLET 3 WAY BALL VALVE

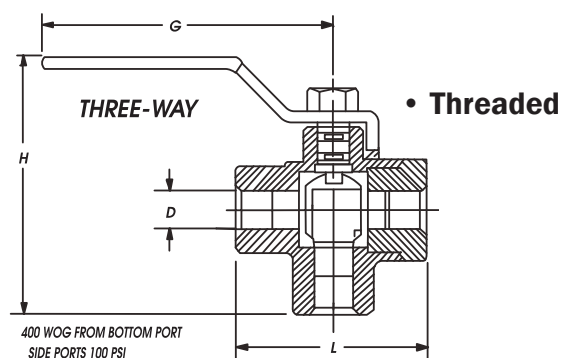
- Forged Brass
- Bottom Port is inlet 400 psi
- Side Ports are inlet 100 psi

- Double O-Ring Seal
- Blow out proof stem
- Made in USA
- Threaded ports
- Good for propane
- Not lead free

• 90° Handle Rotation



• Bottom outlet



Part#	Size	D	G	H	L	Cv	WTG	List Price
940-121	1/4"	.44	3.50	3.12	2.25	5.2	0.76	----
940-122	3/8"	.50	3.50	3.12	2.25	5.5	0.69	----
940-123	1/2"	.50	3.50	3.12	2.25	5.5	1.00	----

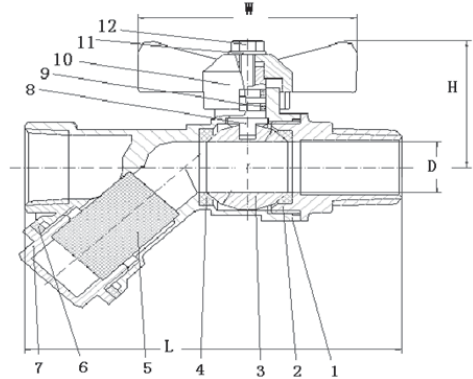
BRASS BALL VALVE WITH STRAINER

NEW

All-in-One design for economical ,compact and convenient .With stamped stainless Steel Screen . 600PSI WOG Forged brass body,Crome plated ball ,PTFE ball seats and cap seal , and rubber o-ring stem seals. Not lead free



Part #	Part Name	Material
1	Body	Brass
2	Caps	Brass
3	Ball	Brass,Cr.Plated
4	Seat	PTFE
5	Filter	SS
6	Gasket	PTFE
7	Caps	Brass
8	Stem	Brass
9	O-Ring	Viton
10	Handle	Zinc
11	Spring Washer	S.S
12	Nut	Steel



Item#	Size	L	D	B	H	WTG	Box/Case	List Price
947-133	1/2"x1/2"(MxF)	3.39"	0.59"	2.00"	1.50"	0.60	8/64	----
947-134	3/4"x3/4"(MxF)	3.89"	0.75"	2.40"	1.85"	0.86	8/64	----

VACUUM BREAKER

- Male hose and female hose threads can be broken off for permanent attachment
- Set screw
- Vandal proof
- Rough brass construction
- Prevents back-siphonage on hoses to prevent potable water from getting contaminated
- Certified under ASSE Std. 1011
- UPC
- IAMPO



Part #	Size	List Price
947-055	3/4" x 3/4"	----

HOSE BIBBS
3/4" Hose Thread Outlet**IPS**

Part #	Size	WTG	Box/Case	List Price
942-170	1/2 (1/2"C)	0.33	10/100	----
942-171	3/4	0.35	10/100	----

RADIATOR AIR VALVE
COIN SLOT OR LOSSE KEY

Part #	Size	List Price
943-284	1/8" MIP	----
943-287	Key only	----

ANGLE SILLCOCKS
3/4" Hose Thread Outlet

- Notched flange for convenient installation.
- Heavy brass construction.
- Cast Iron handle.
- Not lead free

**FEMALE IPS**

Part #	Size	Box	List Price
942-142	1/2	12	----

MORE PLUMBING VALVES
COMING SOON!

BRASS GATE VALVE

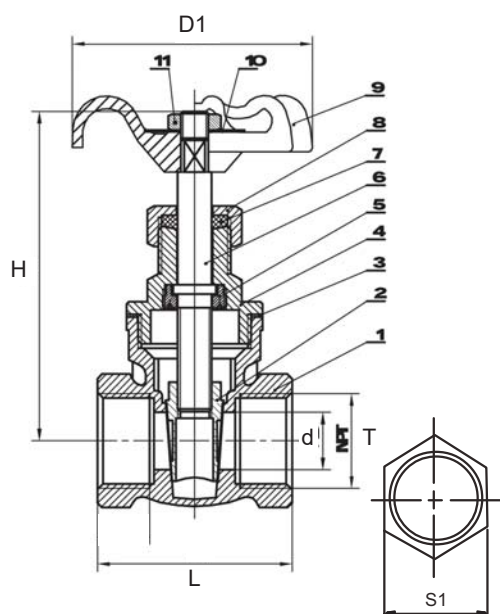
• BRASS • 200WOG • FULL PORT

- 200 WOG (cold water, oil, gas).
- 125 WSP (Saturated Steam).
- Full-port design for a better water flow.
- Screw-in Bonnet - Non-Rising Stem - Solid Wedge
- NPT Threaded ends to ANSI B1.20.1
- Cast iron handle.
- Each valve individually air tested under water.
- Good for diesel fuel.
- Made in Indonesia
- Not lead free



BRASS GATE VALVES IPS

Part#	Size	L	H	D1	d	T	S1	Weight	Box/Case	List Price
940-130	1/4	1.71	2.91	2.09	.24	1/4-18 NPT	.85	0.65	10/120	----
940-131	3/8	1.71	2.91	2.09	.39	3/8-18 NPT	.85	0.59	10/120	----
940-132	1/2	1.71	2.91	2.09	0.50	1/2-14 NPT	1.03	0.61	10/120	----
940-133	3/4	1.81	3.31	2.13	0.74	3/4-14 NPT	1.26	0.83	10/80	----
940-134	1	2.13	3.90	2.48	0.97	1-11.5 NPT	1.51	1.24	5/60	----
940-135	1-1/4	2.24	4.61	2.72	1.22	1-1/4-11.5 NPT	1.89	1.69	5/40	----
940-136	1-1/2	2.44	5.08	3.15	2.45	1-1/2-11.5 NPT	2.17	2.17	5/30	----
940-137	2	2.70	5.94	3.52	1.85	2-11.5 NPT	2.60	3.33	2/24	----
940-138	2-1/2	3.70	7.87	3.98	2.48	2-1/2-8 NPT	3.27	6.26	1/10	----
940-139	3	4.02	8.82	4.37	2.80	3-8 NPT	3.86	8.34	1/6	----
940-140	4	4.53	9.88	4.84	3.60	4-8 NPT	4.88	13.09	1/4	----



See Lead Free section page 174 for lead free Gate Valves.

See page 208 for SS Gate Valve



NO	Description	Material
1	Body	C85700
2	Disk	C85700
3	Seat	PTFE
4	Cap	C85700
5	Packing	C85700
6	Stem	C85700
7	Rubber Seat	NBR
8	Packing Nut	C85700
9	Handle	Cast Iron
10	Nameplate	AL
11	Stem Nut	SAE 1010R

CLASS 150 BRASS Y-PATTERN STRAINER

- Forged Brass body, size 1/4"-3".
- Pressure rating: 150 WOG (water, oil, gas)/PN25
150 WSP (Saturated Stem)
- NPT Threaded ends to ANSI B1.20.1
- Protects regulators, pumps, meters and other controls from damage due to sediment scale, metal chips or other foreign materials.
- Screwed cap is threaded & gasketed.
- Tapped drain plug opening in cap.
- 304 stainless steel screen #20 mesh.
- Self cleaning.
- Self cleaning can be accomplished by opening the valve or plug connected to the blow-off outlet.
- Made in Indonesia
- NOT LEAD FREE

- w/20 Mesh Screen



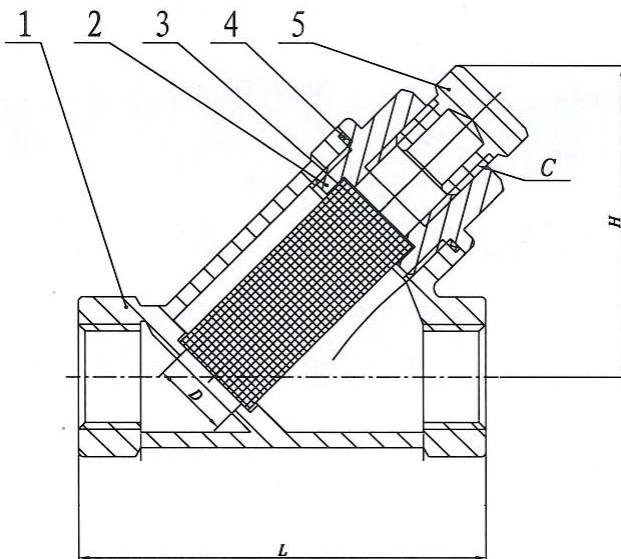
Part#	Size	L	H	C (Plug)	Weight	Box/Case	List Price
940-521	1/4"	3.21	2.44	NPT 3/8	.64	12/48	----
940-522	3/8"	3.23	2.44	NPT 3/8	.71	12/48	----
940-523	1/2"	3.23	2.44	NPT 3/8	.84	12/48	----
940-524	3/4"	3.94	2.78	NPT 3/8	1.10	8/48	----
940-525	1"	4.53	3.19	NPT 1/2	1.71	8/32	----
940-526	1-1/4"	5.33	3.66	NPT 1/2	2.49	6/24	----
940-527	1-1/2"	6.20	3.82	NPT 1/2	3.19	2/16	----
940-528	2"	7.44	4.65	NPT 1/2	5.39	2/8	----
940-529	2-1/2"	8.94	5.39	NPT 3/4	9.56	1/6	----
940-530	3"	10.00	5.67	NPT 3/4	13.49	1/4	----



See page 174 for 1/2" Lead Free



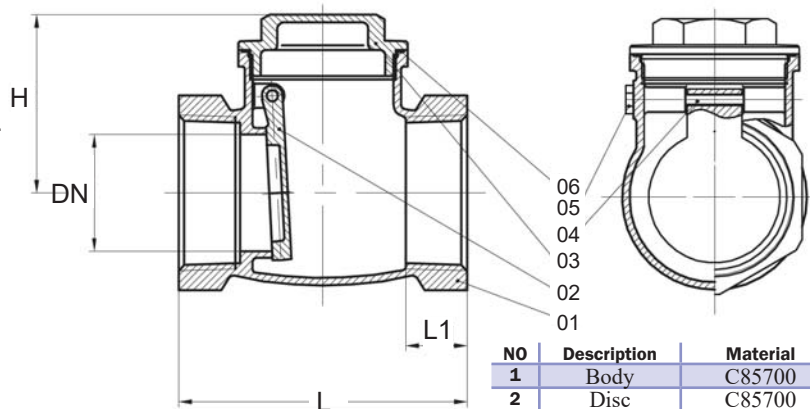
See page 208 for SS Y Strainer



NO	Name	Material
1	BODY	C85700
2	BONNET	C85700
3	STRAINER	304 S.S.
4	SPRING SEAL	PTFE
5	END CAP	C85700

BRASS SWING CHECK VALVES**VALVES****BRASS SWING CHECK VALVES**

- Working pressure non-shock: 200 psi W.O.G. (cold water, oil, gas) 125 psi WSP (saturated steam)
- Swing type disc.
- Screwed Cap.
- Hard Seat.
- 90° Straight Pattern.
- Used to prevent reverse flow in commercial and industrial applications.
- Threaded ends to ANSI B1.20.1
- Integral seat.
- Temp range -5° - 150F°
- NOT LEAD FREE
- Cracking pressure 3-5 psi
- Made in Indonesia



NO	Description	Material
1	Body	C85700
2	Disc	C85700
3	Cap	C85700
4	Brass Bar	C85700
5	Screw	C85700
6	Gasket	Fibre H

CAST BRASS SWING CHECK VALVES IPS SCREWED ENDS

Part #	Size	L	H	L1	DN	Weight	Box/Case	List Price
940-352	1/2	2.09	1.42	0.531	0.512	.41	10/100	----
940-353	3/4	2.36	1.56	0.579	0.728	.56	10/80	----
940-354	1	2.62	1.77	0.748	0.925	.73	5/60	----
940-355	1-1/4	3.19	2.07	0.748	1.201	1.36	5/40	----
940-356	1-1/2	3.54	2.16	0.846	1.417	1.56	5/30	----
940-357	2	4.21	2.74	0.886	1.772	2.58	2/20	----
940-358	2-1/2	5.14	3.09	1.063	2.224	4.55	1/15	----
940-359	3	5.77	3.80	1.102	2.579	6.53	1/6	----
940-360	4	6.84	4.25	1.102	3.602	10.18	1/4	----



• See page 174 for Lead Free Brass Swing Check Valves



• See page 208 for SS Swing Check Valves

Y PATTERN BRASS SWING CHECK VALVE SCREWED ENDS

Part #	Size	List Price
940-351B	3/8"	----
940-352B	1/2"	----
940-353B	3/4"	----
940-354B	1"	----
940-355B	1-1/4"	----
940-356B	1-1/2"	----
940-357B	2"	----
940-358B	2-1/2"	----
940-359B	3"	----

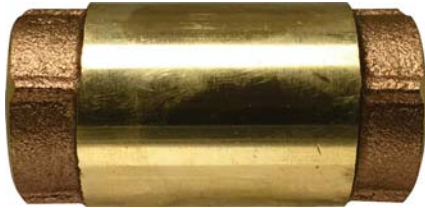
Y PATTERN BRASS SWING CHECK VALVE COPPER x COPPER

Part #	Size	List Price
940-362B	1/2"	----
940-363B	3/4"	----
940-364B	1"	----
940-365B	1-1/4"	----
940-366B	1-1/2"	----
940-367B	2"	----

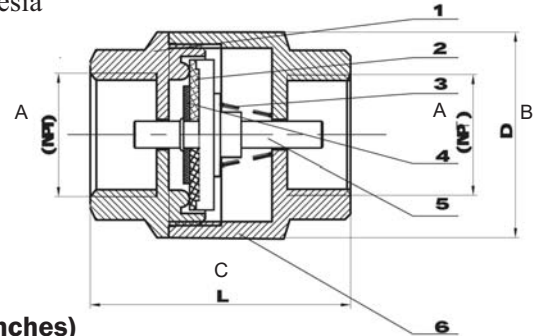
BRASS CHECK VALVES

S.S. SPRING LOADED BRONZE POPPET - For positive sealing & self-cleaning. Insures against leakage.

- Inline Lift Type - Resilient Discs - Spring Actuated - Threaded.
- Pressure rating: 200 WOG (water, oil, gas) / 125 WSP (Saturated Steam)
- Spring in stainless steel AISI 304. • Resilient washer hold/ disc in brass. • Forged Brass Body for 1/2"-2"
- Corrosion resistant material. • Can be used vertically or horizontally. • Opens & Closes with flow of media.
- No cracking pressure. • NOT LEAD FREE • Made in Indonesia



Temp Range
-10°C - 110°C
14°F - 248°F



Brass Check Valve (Inches)

Part#	Size	Enters Pipe Size	A NPT	B	C	Weight	Box/Case	List Price
944-428	1/4"	-	1/4"	1.00	2.01	.24	24/192	----
944-429	3/8"	-	3/8"	1.00	2.07	.28	10/100	----
944-430	1/2"	1-1/4"	1/2"	1.26	2.40	.42	10/100	----
944-431	3/4"	1-1/4"	3/4"	1.50	2.74	.53	10/80	----
944-432	1"	2"	1"	1.77	3.23	.80	6/60	----
944-433	1-1/4"	2-1/2"	1-1/4"	2.13	3.62	1.32	4/40	----
944-434	1-1/2"	3"	1-1/2"	2.36	4.04	1.54	5/30	----
944-435	2"	3-1/2"	2"	3.03	5.04	3.07	5/20	----



• See page 181 for Lead Free Brass Check Valves

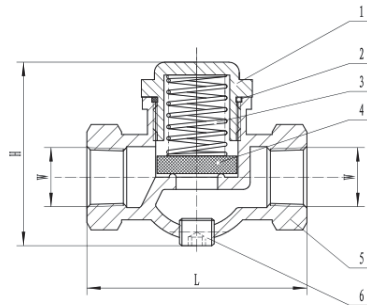


• See page 208 for SS Check Valves

IN LINE CHECK VALVES VERTICAL OR HORIZONTAL

NEW

- Working Pressure: 250 PSI • Temperature Range: -40° to 450°F (-40° to 230°C)
- Cracking Pressure: 3 PSI • Made in China • Not lead free
- Applications: Air Compressor Discharge Lines, may also used on water or oil lines
- Construction: Cast Bronze Body, Corrosion Resistant Stainless Steel Spring to Ensure Long Life, 15% Glass Filled • Teflon Poppet, C360 Machined Brass Cap, 1/8 NPT Unloader Port is Standard • Repairable



Part#	Part Name	Material
6	Plug	Brass
5	Body	Bronze
4	Gasket	PTPF
3	Spring	S.Steel
2	O-ring	HNBR
1	Cap	Brass

Part #	Size	W	L	H	WTG	Box/Case	List Price
947-140	1/8"	1/8	1.75	1.63	0.28	10/100	----
947-141	1/4"	1/4	1.75	1.63	0.29	10/100	----
947-142	3/8"	3/8	2.19	1.88	0.62	5/50	----
947-143	1/2"	1/2	2.50	2.13	0.63	5/50	----
947-144	3/4"	3/4	2.88	2.50	1.17	4/40	----
947-145	1"	1	3.50	2.88		1/20	----

BRASS IN-LINE CHECK VALVES

High Capacity, Size 1/4"-2" 400 WOG, 2 1/2"-4" 175 WOG

- Soft Seat for Bubble Tight Shutoff, Spring Loaded for Fast Seating Action.
- Compact design.
- Low Cracking Pressure 1/2 psi.
- Flow Profile Designed to Minimize Head Loss.
- Perfect Seating both at High and Low Pressure, Wide Temperature Range: +10° to 210°F.
- Polyetherimide Disc to ensure the Best Resistance For Corrosion and Abrasion.
- Patented Disc Guide to Prevent Any Side Loading.
- Connection: FNPT x FNPT.
- Made in Italy • Not lead free

NBR for water, oils and general purpose.

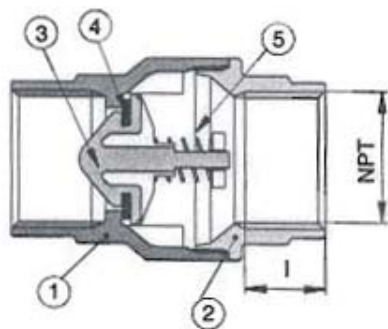
With VITON® Seal for fuels and hydrocarbons. Max working TEMPERATURE 325°F/125 psi steam

Add V to part# for Viton®



Brass In-Line Check

Part#	NBR List	Size	I	psi	Lbs	Case	Viton Part#	Viton List
944-401	----	1/4"	0.39	400	0.22	144		
944-402	----	3/8"	0.40	400	0.37	144	944-402V	----
944-403	----	1/2"	0.53	400	0.32	144	944-403V	----
944-404	----	3/4"	0.55	400	0.49	90	944-404V	----
944-405	----	1"	0.66	400	0.68	90	944-405V	----
944-406	----	1-1/4"	0.68	400	1.13	30	944-406V	----
944-407	----	1-1/2"	0.68	400	1.61	30	944-407V	----
944-408	----	2"	0.69	400	2.28	12	944-408V	----
944-409	----	2-1/2"	0.93	175	4.83	4	944-409V	----
944-410	----	3"	1.01	175	6.70	4	944-410V	----
944-411	----	4"	1.09	175	12.43	2	944-411V	----



NO	Part	Material	PCS
1	BODY	BRASS	1
2	END CONNECTION	BRASS	1
3	DISC	POLYETHERIMIDE	1
4	SEAT	100002 NBR	1
		100003 Viton	1
5	SPRING	STAINLESS STEEL	1