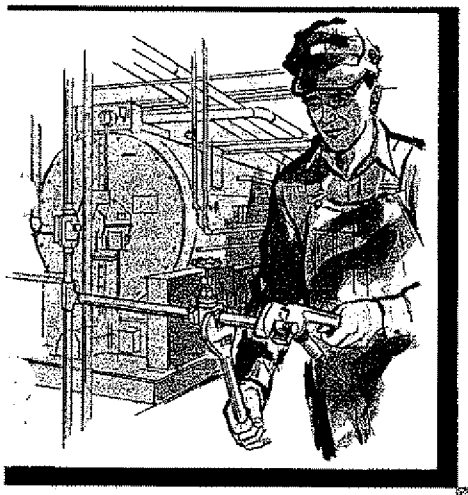
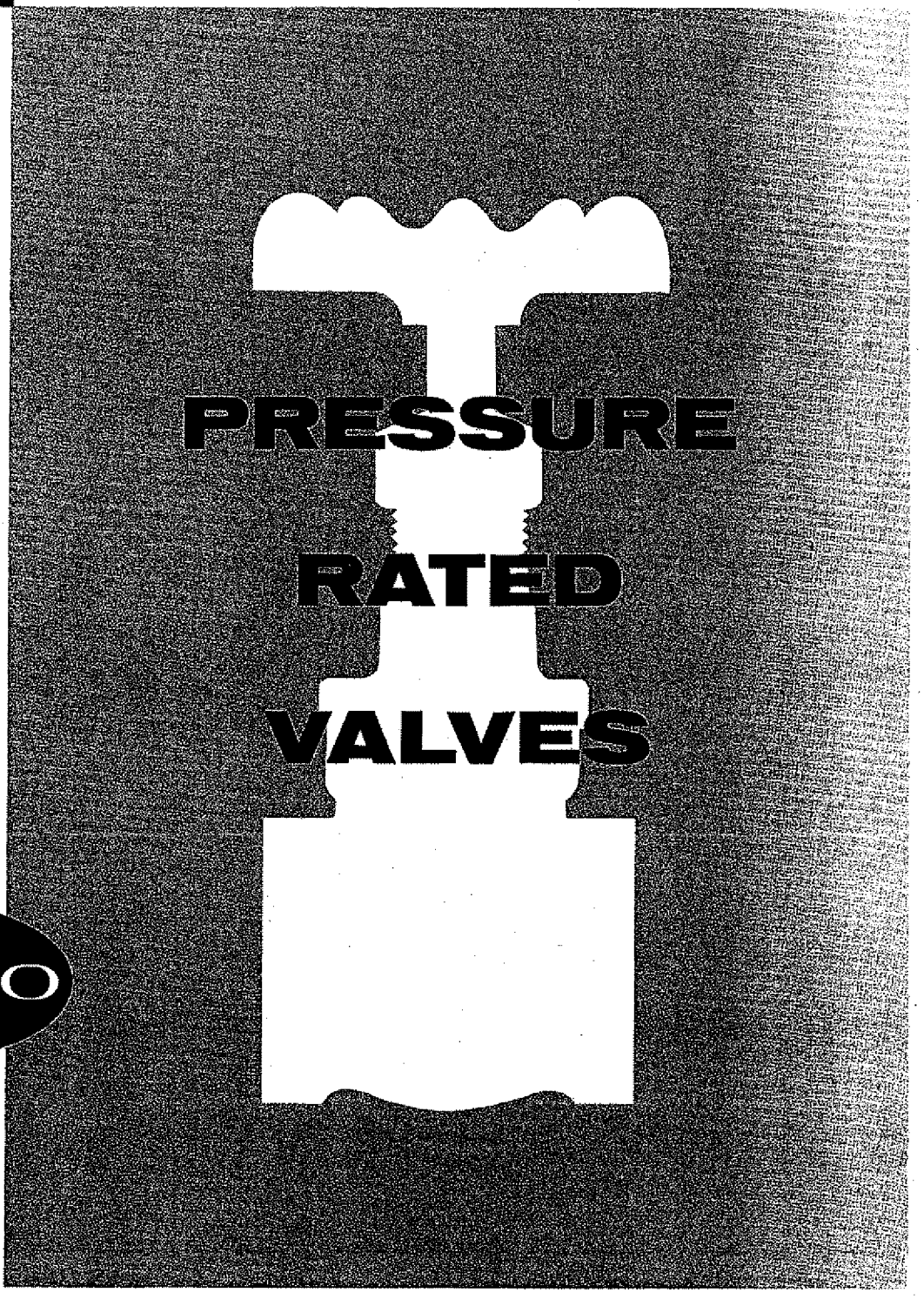


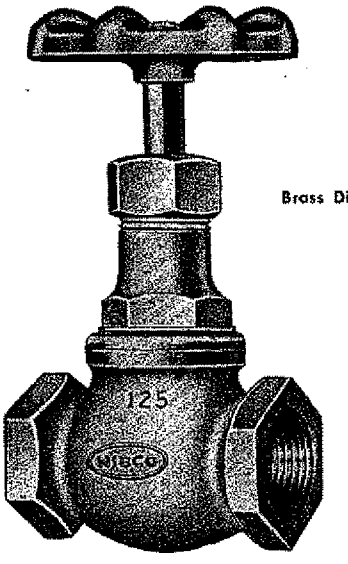
section 2

Angle Valves
Gate Valves
Globe Valves
Y-Pattern Globe Valves
Y-Pattern Swing Check Valves



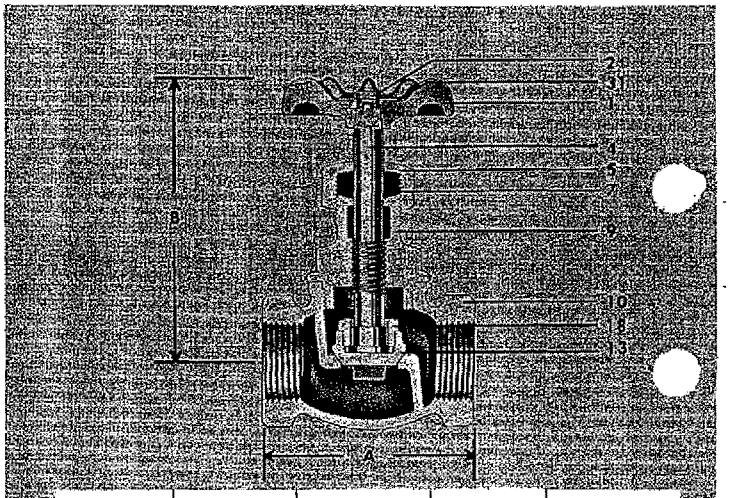
NIBCO

80 GLOBE VALVES



Brass Disc Only

F.S.P.S. to F.S.P.S.



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim Open B
¼"	72	.57	1⅞"	3¼"
⅜"	72	.54	1⅞"	3¼"
½"	72	.79	2⅜₁₆"	3⅞"
¾"	60	1.34	2¹¹⁄₁₆"	4⅝₁₆"
1"	30	2.14	3⅜₁₆"	5"
1¼"	24	3.17	3¹¹⁄₁₆"	5¹³⁄₁₆"
1½"	15	4.44	4⅜₁₆"	6½"
2"	10	7.20	5⅛"	7⅜₁₆"

NIBCO PRESSURE RATED

GLOBE VALVES

125 lb. S.W.P. • 200 lb. W.O.G.

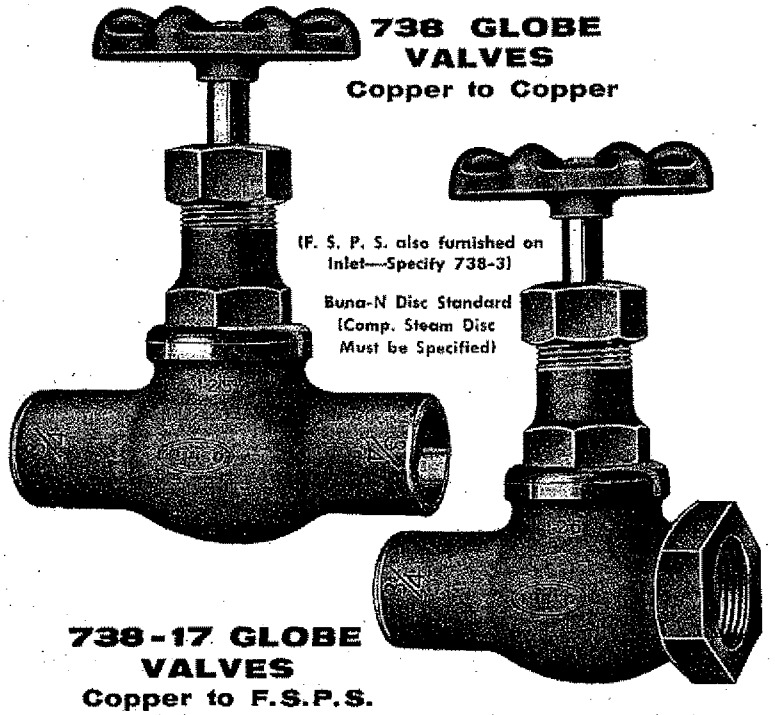
NIBCO Inc., ELKHART, INDIANA, U. S. A.

PARTS DESCRIPTION

1. No-Heat Aluminum Handwheel cool, comfortable in your hand.
2. Brass Handwheel Nut assures easy replacement.
4. Nibcoloy Stem is made strong, non-corrosive alloy that ha high tensile strength, long life.
5. Full-Size packing nut manufactured from 85-5-5-5% red brass.
6. Packing gland compresses packing for positive leak-proof seal.
7. FULL DEPTH PACKING of graphite impregnated asbestos.
9. Precision machined Bonnet of 85-5-5-5% durable red brass.
10. Full Strength 85-5-5-5% red brass body, most non-corrosive brass alloy.

738 GLOBE VALVES

Copper to Copper

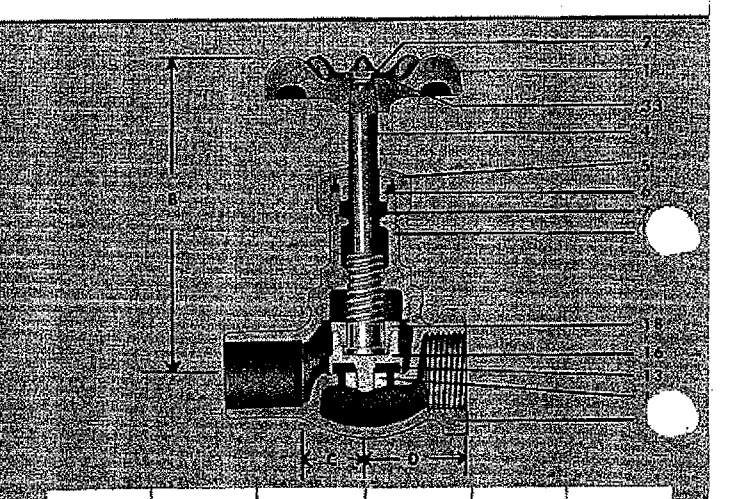


(F. S. P. S. also furnished on Inlet—Specify 738-3)

Buna-N Disc Standard (Comp. Steam Disc Must be Specified)

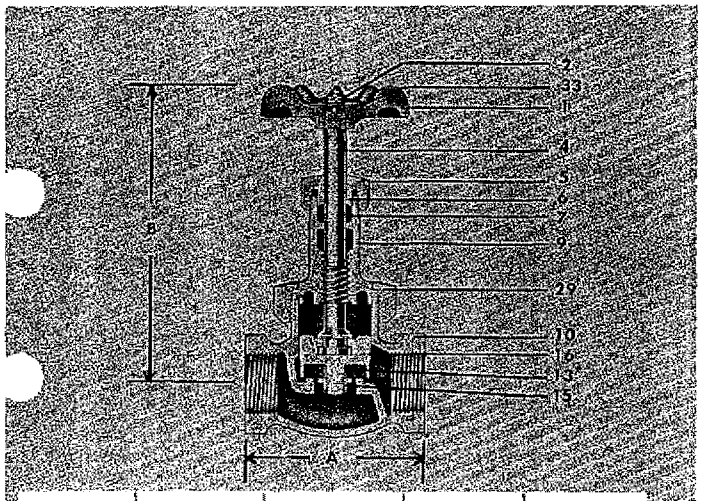
738-17 GLOBE VALVES

Copper to F.S.P.S.



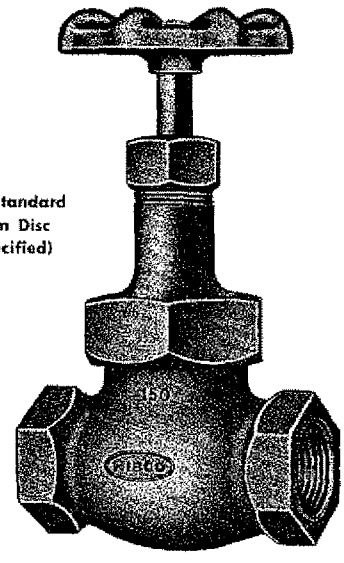
Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim Open B	Dim C	Dim D
¼"	50	.92	4"	⅞"	1¼"
⅜"	50	.91	4⁵⁄₁₆"	⅞"	1³⁄₃₂"
½"	50	1.37	4⅞"	1⁵⁄₁₆"	1¹¹⁄₃₂"
¾"	32	1.95	5⁹⁄₁₆"	1³⁄₃₂"	1¹³⁄₃₂"
1"	24	3.03	6"	1¾₁₆"	1⅞"
1¼"	10	4.46	6¹³⁄₁₆"	1⁹⁄₁₆"	2⅛"
1½"	10	6.42	7¼"	1¹⁵⁄₁₆"	2⅜"
2"	5	10.30	8¹³⁄₁₆"	2¼"	2⅞"

NIBCO000516



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim Open B
¼"	48	1.00	2 5/16"	4"
⅜"	48	.98	2 5/16"	4"
½"	36	1.50	2 11/16"	4 3/4"
¾"	20	2.06	3 1/16"	5 11/16"
1"	20	3.24	3 3/4"	6 1/8"
1¼"	12	4.98	4 1/4"	6 7/8"
1½"	10	7.15	4 3/4"	7 5/16"
2"	5	12.00	5 3/4"	8 5/8"

90 GLOBE VALVES



Buna-N Disc Standard
(Comp. Steam Disc
Must be Specified)

F.S.P.S. to F.S.P.S.

AND FEATURES

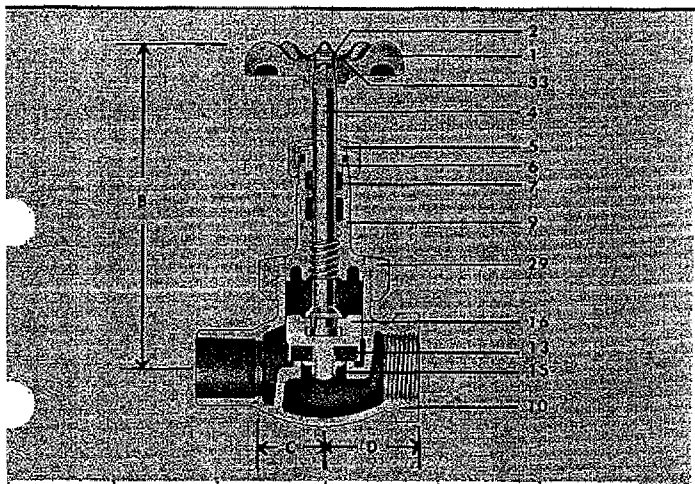
13. Seat disc. Refer to page 26 full details for choosing right disc
15. Seat disc nut of brass alloy for ease in disassembly.
6. Disc Holder of 85-5-5-5% red brass. Trouble free service life.
18. Disc Holder nut Made from Non-corrosive brass alloy.
29. Cast 85-5-5-5% red brass Union Nut, longer life and extra strength.
33. Identification plate makes reordering a pleasure.

NIBCO PRESSURE RATED

GLOBE VALVES

150 lb. S.W.P. • 300 lb. W.O.G.

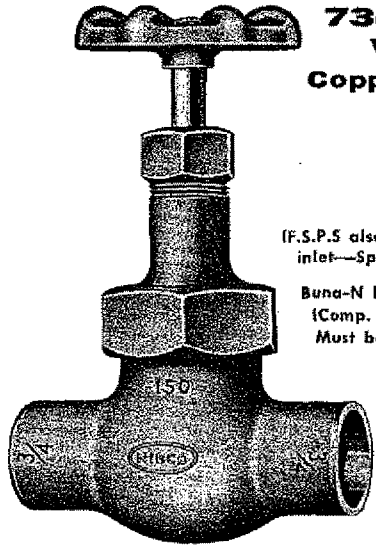
NIBCO Inc., ELKHART, INDIANA, U. S. A.



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim Open B	Dim C	Dim D
¼"	50	.92	4"	⅞"	1¼"
⅜"	50	.91	4 1/16"	⅞"	1 5/32"
½"	50	1.37	4 7/8"	1 5/16"	1 11/32"
¾"	32	1.95	5 5/16"	1 5/32"	1 19/32"
1"	24	3.03	6 13/16"	1 1/4"	2 1/8"
1¼"	10	4.46	6"	1 7/16"	1 7/8"
1½"	10	6.42	7 1/4"	1 15/16"	2 3/8"
2"	5	10.30	8 11/16"	2 1/4"	2 7/8"

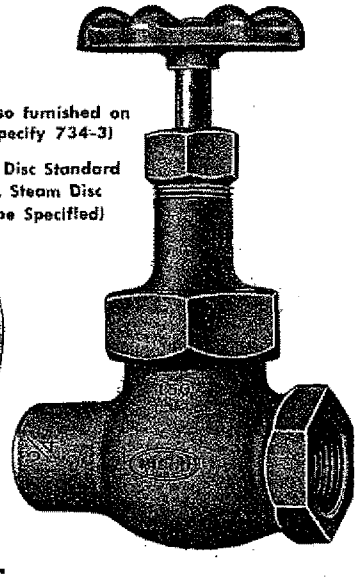
734 GLOBE VALVES

Copper to Copper



(F.S.P.S also furnished on inlet—Specify 734-3)

Buna-N Disc Standard
(Comp. Steam Disc
Must be Specified)

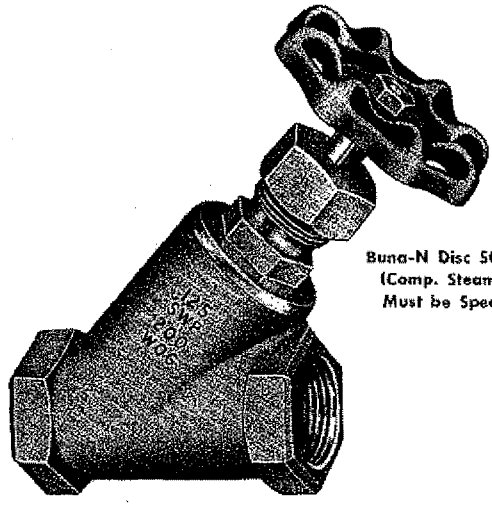


734-17 GLOBE VALVES

Copper to F.S.P.S.

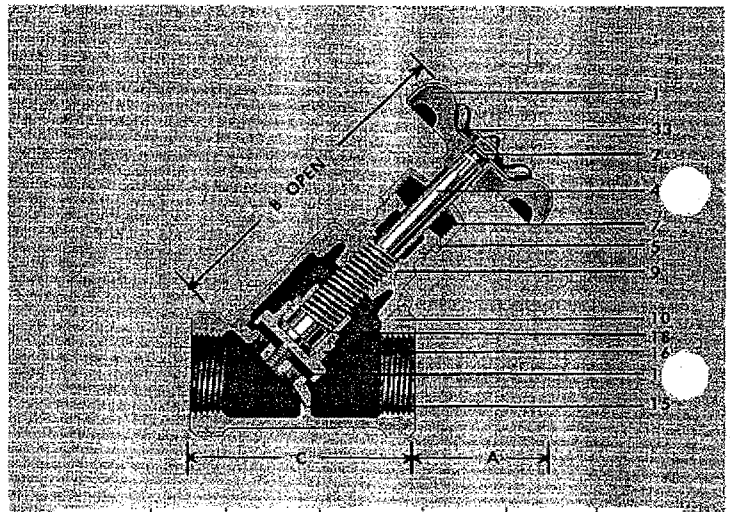
NIBCO000517

28 Y-PATTERN GLOBE VALVE



Buna-N Disc Standard
(Comp. Steam Disc
Must be Specified)

Copper to Copper



Nominal Size	Sales Carton	Master Carton Quantity	Approx. Net. Wt.	Dim A	Dim B	Dim C
⅜"	1	72	.70	1 31/32"	3 31/32"	2 1/4"
½"	1	60	.80	1 29/32"	4"	2 1/16"
¾"	1	48	1.35	2 3/16"	4 13/16"	2 29/32"
1"	1	30	2.20	2 7/32"	5 17/32"	3 5/8"
1 1/4"	1	18	3.20	2 3/8"	6 3/16"	4 1/4"
1 1/2"	1	12	4.60	2 23/32"	6 31/32"	4 3/4"
2"	1	6	7.55	3 17/32"	8 25/32"	5 9/16"

NIBCO PRESSURE RATED

Y-PATTERN GLOBE VALVES

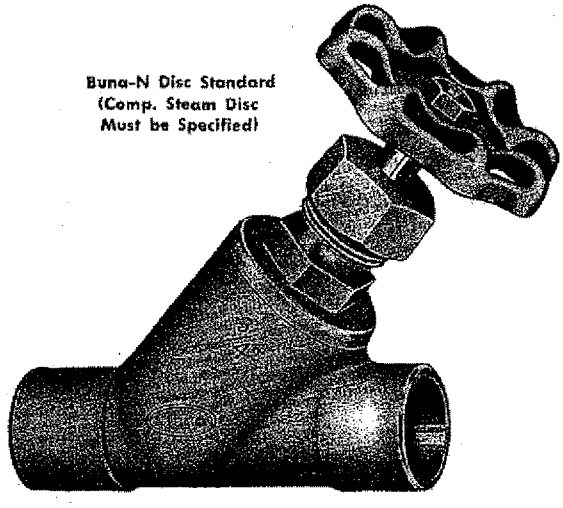
125 lb. S.W.P. • 200 lb. W.O.G.

NIBCO Inc., ELKHART, INDIANA, U.S.A.

PARTS DESCRIPTION AND FEATURES

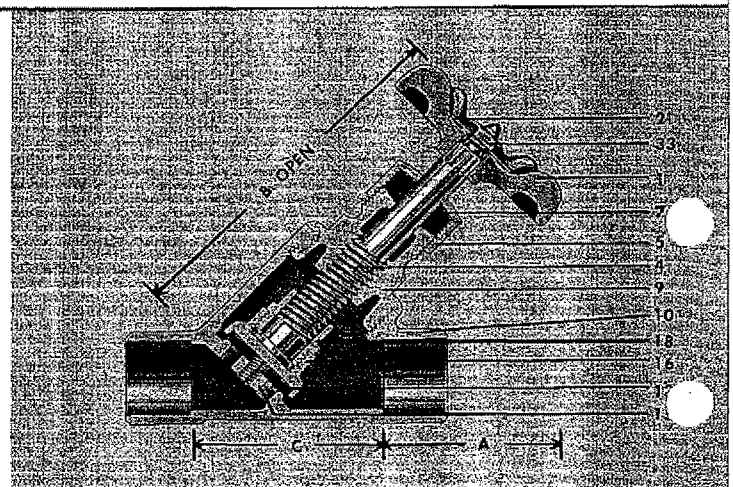
1. No-Heat Aluminum Handwheel cool, comfortable in your hand.
2. Brass Handwheel Nut assures easy replacement.
4. Nibcoloy Stem. Non-corrosive, high tensile strength, long life
5. Full Size Packing Nut manufactured from 85-5-5-5% red bra
7. FULL DEPTH PACKING of graphite impregnated asbestos.
9. Precision machined Bonnet of 85-5-5-5% durable red brass.
10. Full strength 85-5-5-5%, most non-corrosive brass alloy.
13. Seat disc. Refer to page 26 full details for choosing right disc.
15. Seat disc nut of brass alloy for easy disassembly.
16. Disc Holder of 85-5-5-5% red brass. Trouble free service life.
18. Disc Holder nut Made from Non-corrosive brass alloy.
33. Identification plate makes reordering a pleasure.

728 Y-PATTERN GLOBE VALVE



Buna-N Disc Standard
(Comp. Steam Disc
Must be Specified)

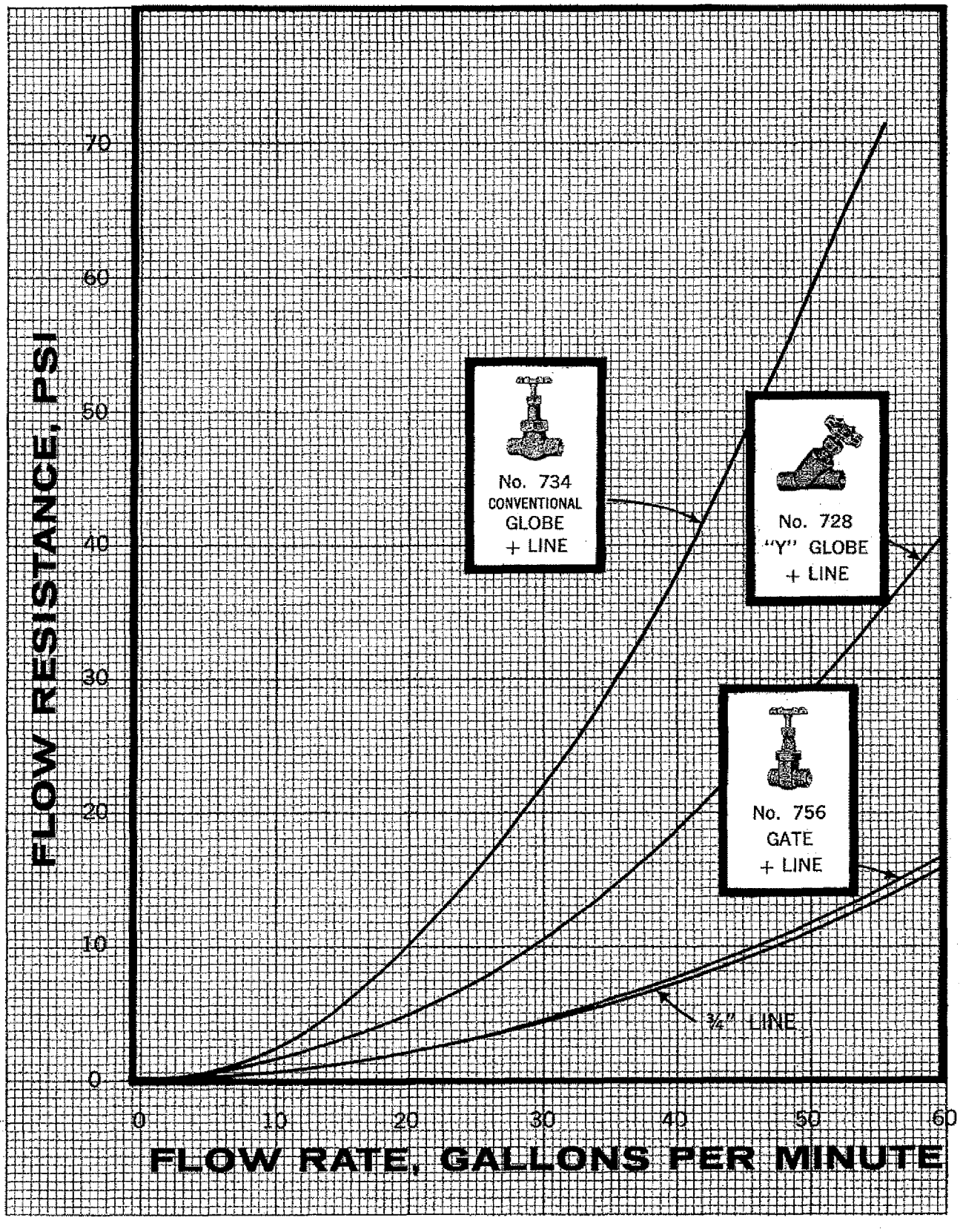
F.S.P.S. to F.S.P.S.



Nominal Size	Sales Carton	Master Carton Quantity	Approx. Net. Wt.	Dim A	Dim B	Dim C
⅜"	1	72	.65	2 3/8"	3 7/8"	1 7/16"
½"	1	60	.75	2 1/4"	3 13/16"	1 5/8"
¾"	1	48	1.22	2 5/8"	4 23/32"	2 1/16"
1"	1	30	2.00	2 3/4"	5 1/8"	2 5/16"
1 1/4"	1	18	3.10	3 1/16"	6 9/32"	2 13/16"
1 1/2"	1	12	4.10	3 9/16"	7 1/4"	3 5/16"
2"	1	6	7.00	4 1/16"	8 25/32"	4 1/16"

NIBCO000518

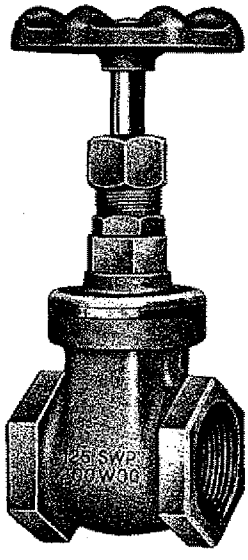
FLOW CHARACTERISTICS OF NIBCO VALVES IN ¾" LINE



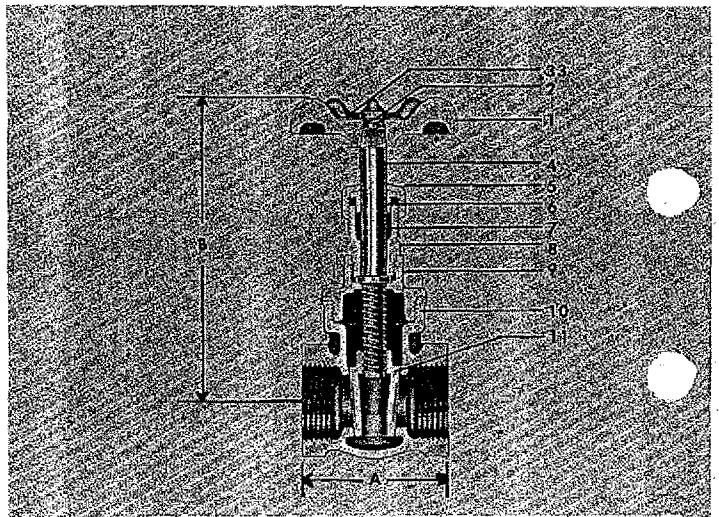
NIBCO000519

#113

56 GATE VALVES



F.S.P.S. to F.S.P.S.



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim B
⅜"	60	.57	1 11/16"	3 23/32"
½"	100	.71	1 15/16"	3 15/16"
¾"	64	1.14	2 1/16"	4 5/16"
1"	36	1.86	2 5/16"	5 1/32"
1 ¼"	18	2.66	2 3/4"	5 3/4"
1 ½"	24	3.53	2 13/16"	6 21/32"
2"	12	5.78	3 5/16"	8"

NIBCO PRESSURE RATED

GATE VALVES

NON-RISING STEM-WEDGE DISC

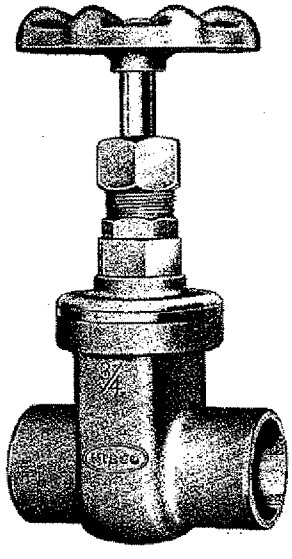
125 lb. S. W. P. • 200 lb. W. O. G.

NIBCO INC., ELKHART, INDIANA, U. S. A.

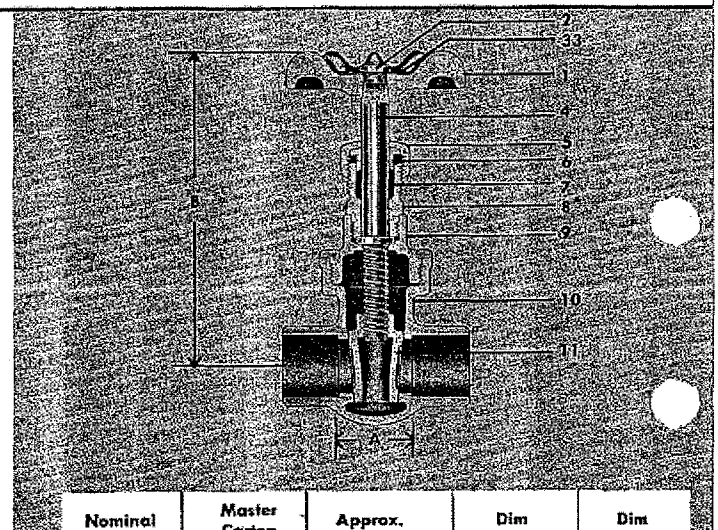
PARTS DESCRIPTION

1. No-Heat Aluminum Handwheel cool, comfortable in your hand
2. Brass Handwheel Nut assures easy replacement.
4. Nibcoloy stem. Non-corrosive, high tensile strength, long life.
5. Full-Size Packing Nut manufactured from 85-5-5-5% red brass.
6. Packing gland compresses packing for positive leak-proof seal.
7. FULL DEPTH PACKING of graphite impregnated asbestos.

756 GATE VALVES

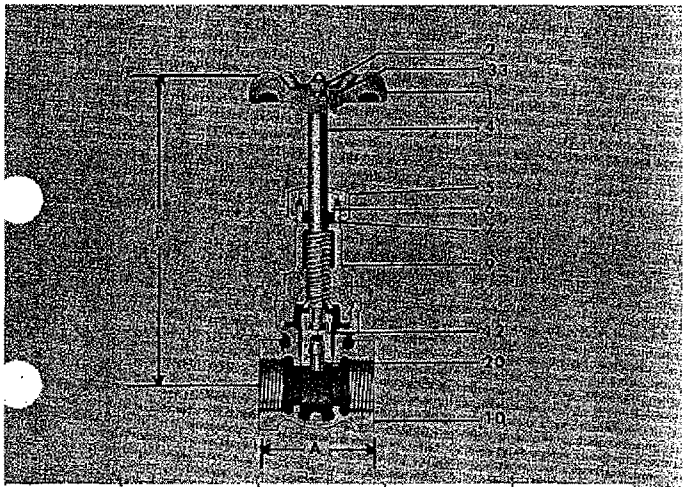


Copper to Copper



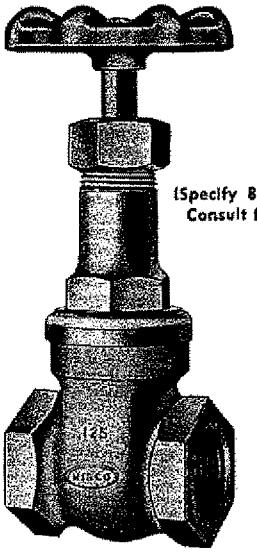
Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim B
⅜"	60	.48	1 3/16"	3 23/32"
½"	100	.56	1 3/16"	3 15/16"
¾"	64	.95	1 5/16"	4 5/16"
1"	36	1.55	1 1/8"	5 1/32"
1 ¼"	18	2.30	1 1/4"	5 3/4"
1 ½"	12	3.10	1 3/16"	6 21/32"
2"	12	5.13	1 5/16"	8"

NIBCO000520



Nominal Size	Master Carton Qty.	Approx. Net Wt.	Dim A	Dim Open B
¼"	72	.66	1 23/32"	4 1/16"
⅜"	72	.65	1 23/32"	4 1/16"
½"	60	1.00	1 15/16"	5 1/16"
¾"	48	1.55	2 3/16"	5 7/8"
1"	30	2.32	2 1/2"	7 1/2"
1¼"	24	3.49	2 25/32"	8 25/32"
1½"	12	4.86	3 1/16"	10 3/16"
2"	8	7.90	3 9/16"	12 1/4"
2½"	6	12.75	4 3/16"	14 11/16"
3"	4	19.10	4 5/8"	16 7/8"

82 GATE VALVES



(Specify 82-D for Valve w/Drain—Consult factory for sizes & prices)

AND FEATURES

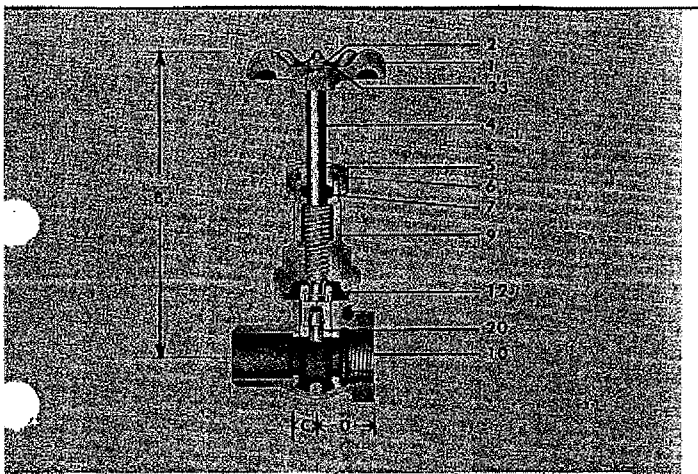
9. Cast Brass Stuffing Box contains packing for tight seal.
. Precision machined bonnet of durable 85-5-5-5% red brass.
10. Full strength body, 85-5-5-5% red brass, most non-corrosive.
11. Solid wedge disc of cast brass. Precision machined, see pg. 26.
12. Double disc of cast brass. Full details page 26.
20. Brass spreader pin, non-corrosive and long lasting.
33. Identification plate makes reordering a pleasure.

NIBCO PRESSURE RATED GATE VALVES

RISING STEM-DOUBLE DISC GATES

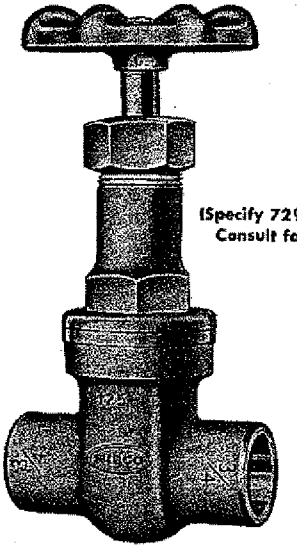
125 lb .S.W.P. • 200 lb. W.O.G.

NIBCO INC., ELKHART, INDIANA, U. S. A.

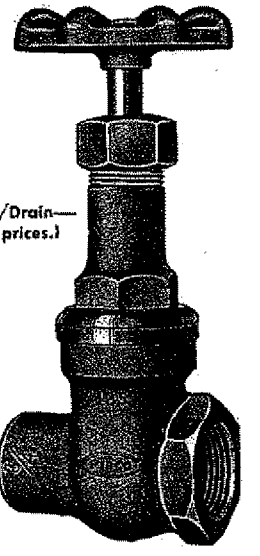


Nominal Size	Master Carton Qty.	Approx. Net Wt.	Dim Open B	Dim C	Dim D
⅜"	72	.57	4¼"	7/16"	⅞"
½"	60	.86	5 5/16"	13/16"	31/32"
¾"	48	1.35	5 7/8"	1 5/32"	1 3/32"
1"	30	2.10	7 5/16"	1 9/32"	1¼"
1¼"	18	3.10	8 25/32"	1 11/16"	1 13/32"
1½"	12	4.42	9⅞"	2 3/32"	1 17/32"
2"	8	7.30	12¼"	2 7/32"	1 25/32"
2½"	6	11.40	14 15/16"	1 1/32"	2 3/32"
3"	4	16.75	17¼"	1 5/16"	2 5/16"

729 GATE VALVES



729-3 GATE VALVES



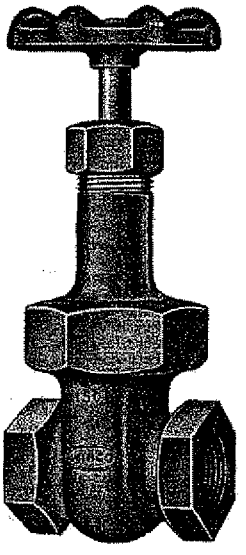
(Specify 729-D for Valves w/Drain—Consult factory for sizes & prices.)

Copper to Copper

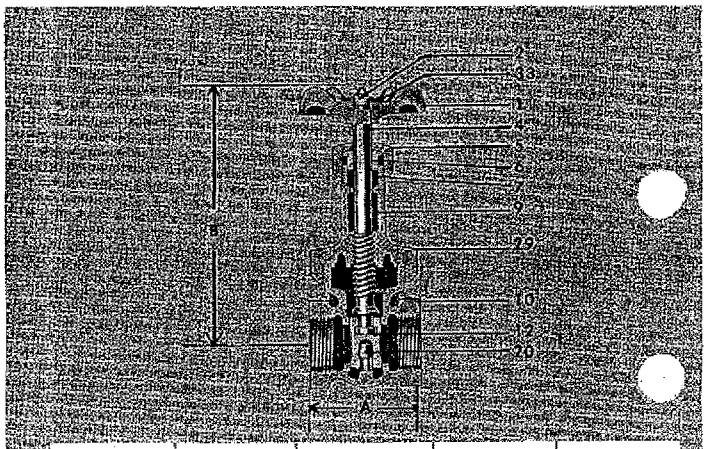
Copper to F.S.P.S.

NIBCO000521

92 GATE VALVES



F.S.P.S. to F.S.P.S.



Nominal Size	Master Carton	Approx. Net Wt.	Dim A	Dim Open B
¼"	72	.78	1 23/32"	4 1/16"
⅜"	72	.75	1 23/32"	4 1/16"
½"	60	1.20	1 15/16"	5 5/16"
¾"	48	1.66	2 3/16"	5 7/8"
1"	30	2.61	2 1/2"	7 1/2"
1 ¼"	18	4.00	2 25/32"	8 25/32"
1 ½"	12	5.28	3 1/16"	10 3/16"
2"	8	8.60	3 9/16"	12 1/4"
2 ½"	6	14.38	4 3/16"	14 17/16"
3"	4	21.75	4 5/8"	16 7/8"
3 ½"	1	29.00	5 1/4"	11 9/32"
4"	1	38.75	6 1/4"	13 3/16"

NIBCO

PRESSURE RATED

GATE VALVES

RISING STEM-DOUBLE DISC

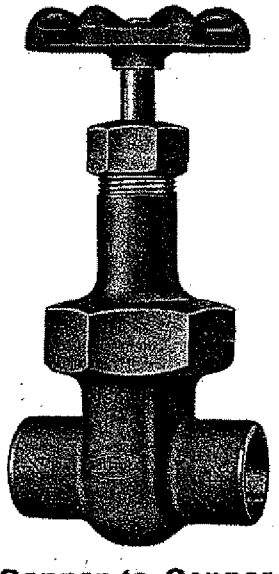
150 lb. S.W.P. • 300 lb. W.O.G.

NIBCO INC., ELKHART, INDIANA, U. S. A.

PARTS DESCRIPTION

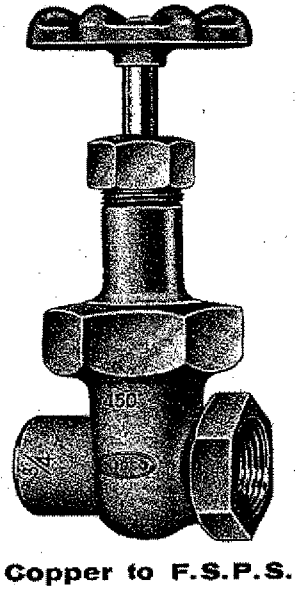
1. No-Heat Aluminum Handwheel cool, comfortable in your hand
2. Brass Handwheel Nut assures easy replacement.
4. Nibcoloy Stem is made strong, non-corrosive alloy that ... high tensile strength, long life.
5. Full-Size packing nut manufactured from 85-5-5-5% red brass.
6. Packing gland compresses packing for positive leak-proof seal.
7. FULL DEPTH PACKING of graphite impregnated asbestos.
8. Cast Brass Stuffing Box contains packing for tight seal.

730-GATE VALVES

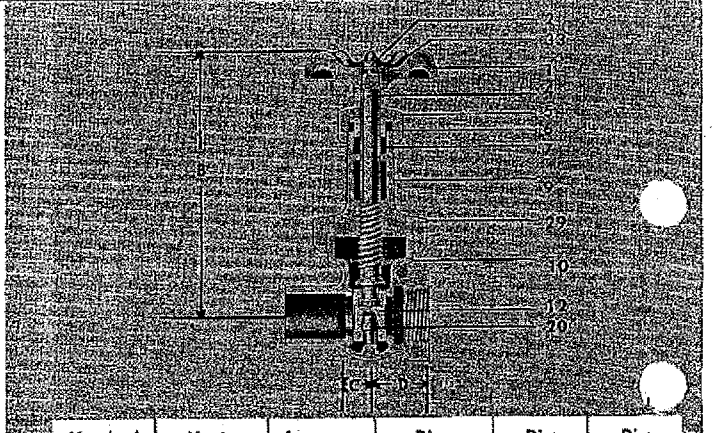


Copper to Copper

730-3-GATE VALVES

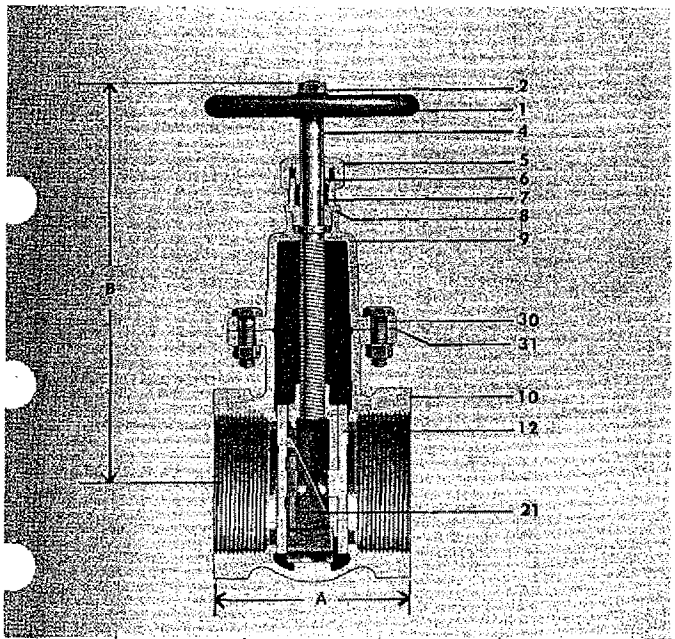


Copper to F.S.P.S.



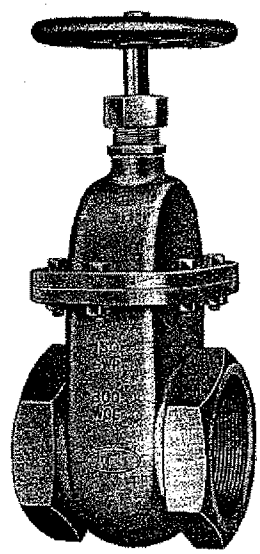
Nominal Size	Master Carton Qty.	Approx. Net Wt.	Dim Open B	Dim C	Dim D
⅜"	72	.67	4 5/16"	7/16"	7/8"
½"	60	1.06	5 5/16"	13/32"	31/32"
¾"	48	1.58	5 7/8"	15/32"	1 3/16"
1"	30	2.35	7 5/16"	19/32"	1 1/4"
1 ¼"	18	3.67	8 25/32"	11/16"	1 13/16"
1 ½"	12	4.90	9 13/16"	23/32"	1 29/32"
2"	8	8.00	12 1/4"	27/32"	1 25/32"
2 ½"	6	13.00	14 17/16"	1 1/32"	2 5/32"
3"	4	20.25	17 3/16"	1 3/16"	2 5/16"
3 ½"	1	27.50	11 7/16"	1 1/2"	2 7/8"
4"	1	34.00	13 1/4"	1 19/32"	3 1/16"

NIBCO000522



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim Open B
3½"	1	29.00	5¼"	11 3/32"
4"	1	38.75	6¼"	13¾"

92-GATE VALVES



F.S.P.S. to F.S.P.S.

AND FEATURES

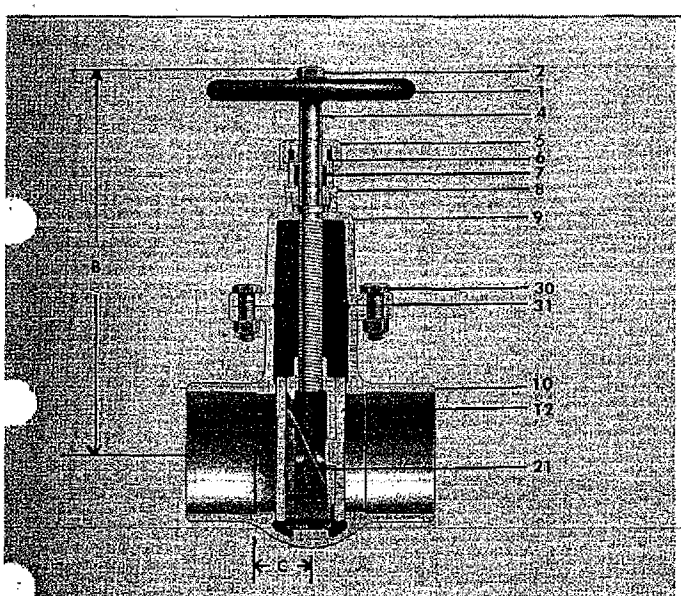
1. Precision machined Bonnet of 85-5-5-5% durable red brass. Full Strength 85-5-5-5% red brass body, most non-corrosive brass alloy.
2. Double disc of cast brass. Full details page 26.
10. Brass spreader pin, non-corrosive and long lasting.
11. Spreader Wedge. Cast of 85-5-5-5% red brass.
30. Bonnet nut & bolt. Made of Silicon Bronze.
31. Bonnet Gasket. *High quality fibre.*

NIBCO PRESSURE RATED GATE VALVES

NON-RISING STEM-DOUBLE DISC BOLTED BONNET

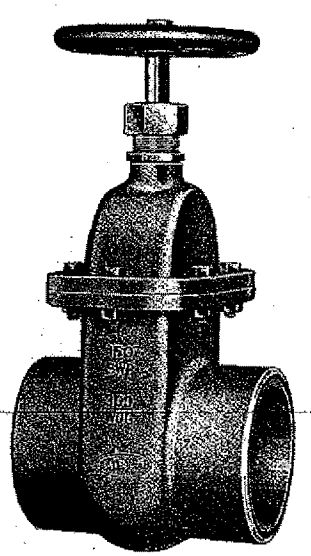
150 lb. S.W.P. • 300 lb. W.O.G.

NIBCO INC., ELKHART, INDIANA, U. S. A.



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim Open B	Dim C
3½"	1	27.50	11 3/16"	1½"
4"	1	34.00	13¼"	1 11/32"

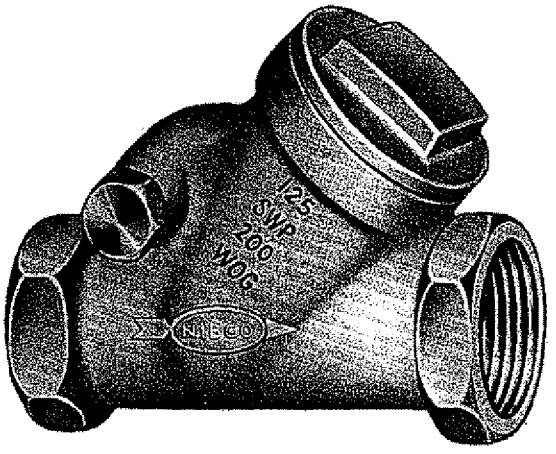
730-GATE VALVES



Copper to Copper

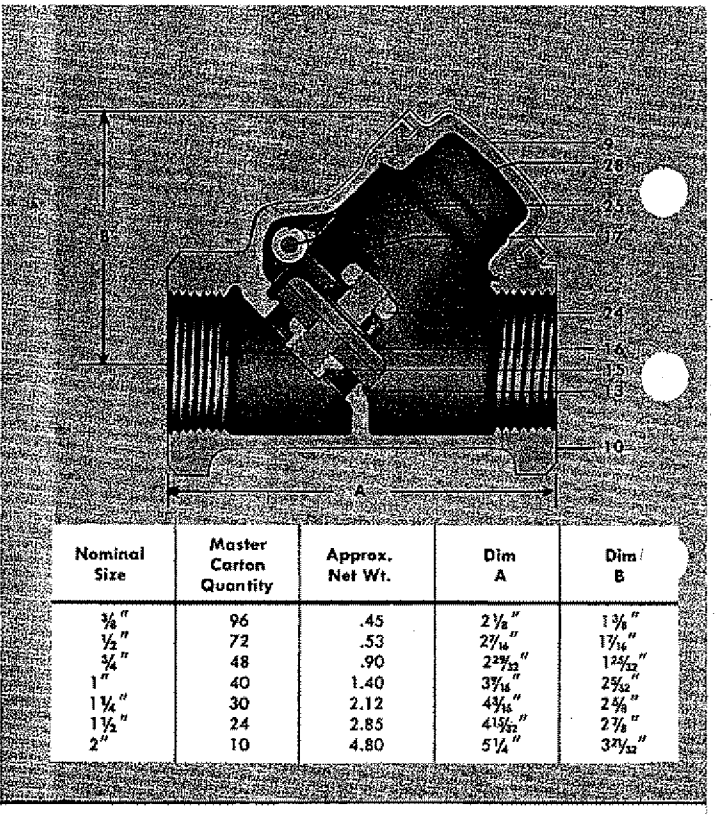
NIBCO000523

85-Y CHECK VALVES



Buna-N Disc Standard
(Comp. Steam or Brass Disc Must be Specified)

F.S.P.S. to F.S.P.S.



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim B
⅜"	96	.45	2⅛"	1⅜"
½"	72	.53	2⅞"	1⅞"
¾"	48	.90	2 29/32"	1 25/32"
1"	40	1.40	3⅜"	2 5/32"
1¼"	30	2.12	4 3/16"	2⅝"
1½"	24	2.85	4 15/32"	2⅞"
2"	10	4.80	5¼"	3 21/32"

NIBCO PRESSURE RATED

Y-PATTERN

SWING CHECK VALVES

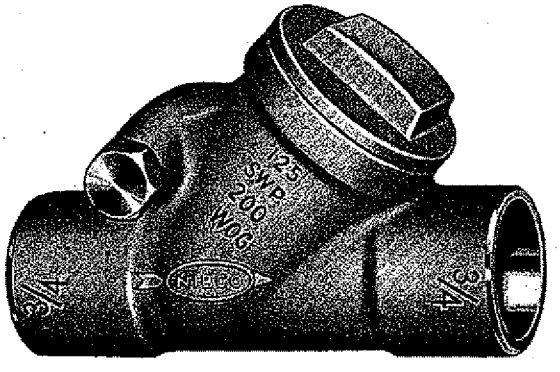
125 lb. S.W.P. • 200 lb. W.O.G.

NIBCO INC., ELKHART, INDIANA, U. S. A.

PARTS DESCRIPTION

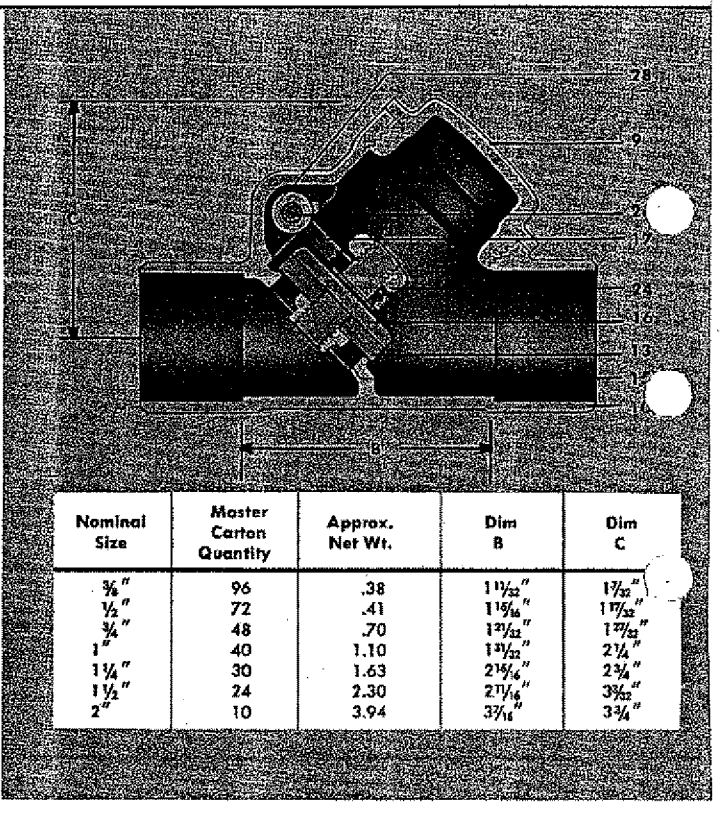
9. Precision machined Bonnet of 85-5-5-5% durable red brass.
10. Full strength 85-5-5-5% Body, most non-corrosive brass alloy.
13. Seat disc. Refer to page 26 full details for choosing right disc
15. Seat disc nut of brass alloy for ease in disassembly.
16. Disc Holder of 85-5-5-5% red brass. Trouble free service life.

785-Y CHECK VALVES



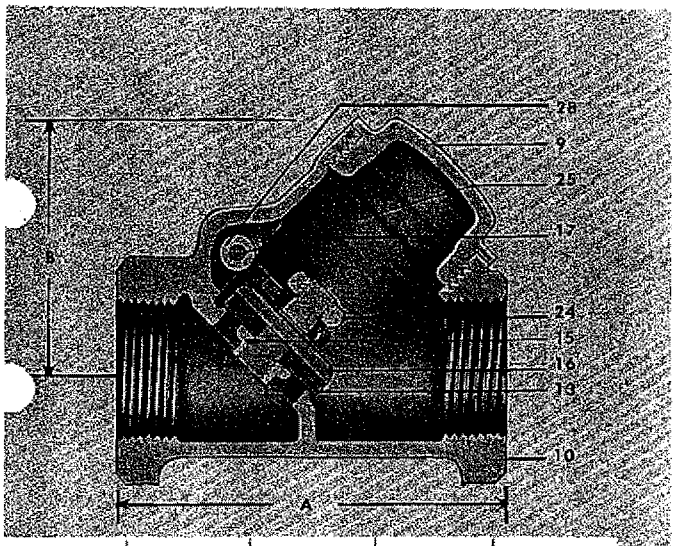
Buna-N Disc Standard
(Comp. Steam or Brass Disc Must be Specified)

Copper to Copper



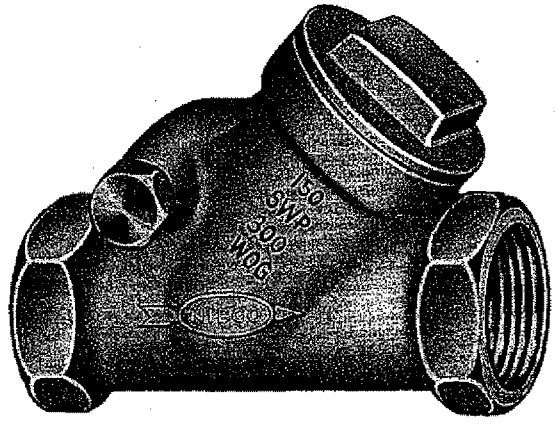
Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim B	Dim C
⅜"	96	.38	1 11/32"	1 7/32"
½"	72	.41	1 15/16"	1 17/32"
¾"	48	.70	1 21/32"	1 27/32"
1"	40	1.10	1 31/32"	2¼"
1¼"	30	1.63	2 15/16"	2¾"
1½"	24	2.30	2 11/16"	3 5/32"
2"	10	3.94	3 7/16"	3¾"

NIBCO000524



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim B
⅜"	96	.48	2 1/8"	1 3/8"
½"	72	.58	2 7/16"	1 7/16"
¾"	48	.98	2 29/32"	1 25/32"
1"	40	1.57	3 9/16"	2 5/32"
1 ¼"	30	2.26	4 3/16"	2 5/16"
1 ½"	24	3.10	4 13/32"	2 7/8"
2"	10	5.25	5 1/4"	3 21/32"

84-Y CHECK VALVES



Buna-N Disc Standard
(Comp. Steam or Brass Disc Must be Specified)

F.S.P.S. to F.S.P.S.

AND FEATURES

Cast red brass Disc Hanger. Free-fall, non-stick action.

24. Brass alloy Hanger Nut insures long trouble free service.

25. Non-corrosive brass alloy Hinge Pin means no HANG-UP.

28. Brass Hinge Pin Plug protects pin, means easy maintenance.

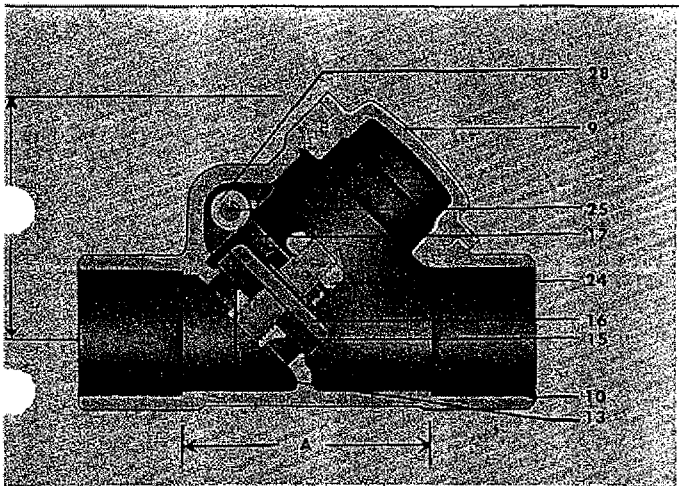
NIBCO PRESSURE RATED

Y-PATTERN

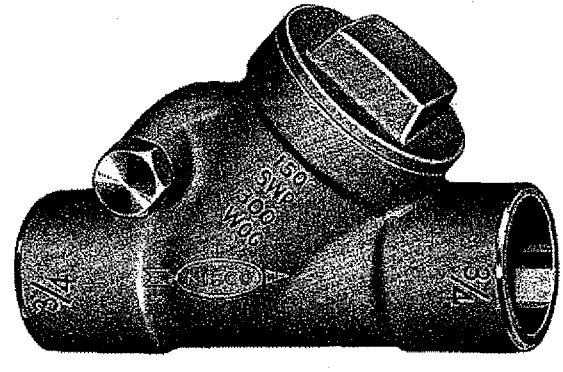
SWING CHECK VALVES

150 lb. S.W.P. • 300 lb. W.O.G.

NIBCO INC., ELKHART, INDIANA, U. S. A.



Nominal Size	Master Carton Quantity	Approx. Net Wt.	Dim A	Dim B
¾"	96	.41	1 11/32"	1 3/32"
½"	72	.45	1 5/16"	1 17/32"
¾"	48	.78	1 21/32"	1 27/32"
1"	40	1.27	1 31/32"	2 1/4"
1 ¼"	30	1.84	2 5/32"	2 3/4"
1 ½"	24	2.59	2 11/16"	3 3/32"
2"	10	4.46	3 7/16"	3 3/4"

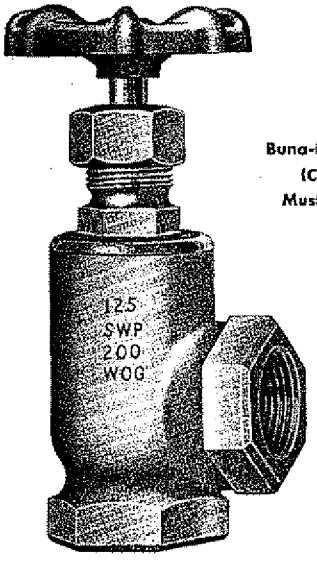


Buna-N Disc Standard
(Comp. Steam or Brass Disc Must be Specified)

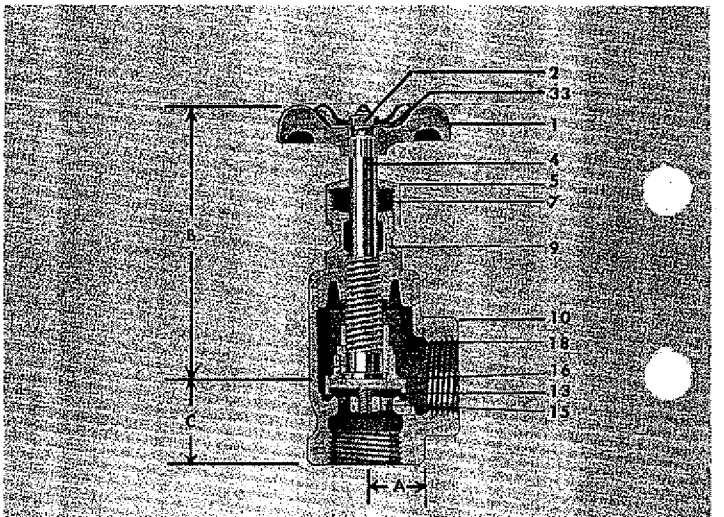
Copper to Copper

NIBCO000525

32 ANGLE VALVES



Buna-N Disc Standard
(Comp. Steam
Must be Specified)



Nominal Size	Sales Carton	Master Carton Quantity	Approx. Net. Wt.	Dim A	Dim B	Dim C
3/8"	1	72	.69	15/16"	3 3/8"	15/16"
1/2"	1	60	.79	1 3/32"	3 5/16"	1 3/32"
3/4"	1	48	1.28	1 3/16"	4 1/16"	1 1/4"
1"	1	30	2.10	1 17/32"	4 17/32"	1 13/32"
1 1/4"	1	18	3.10	1 11/16"	5"	1 11/16"
1 1/2"	1	12	4.05	1 7/8"	5 5/8"	1 7/8"
2"	1	6	6.70	2 1/4"	7 1/32"	2 1/4"

NIBCO PRESSURE RATED

ANGLE GLOBE VALVES

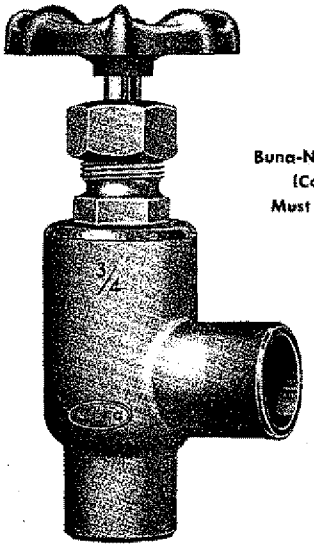
125 lb. S.W.P. • 200 lb. W.O.G.

NIBCO INC., ELKHART, INDIANA, U. S. A.

PARTS DESCRIPTION AND FEATURES

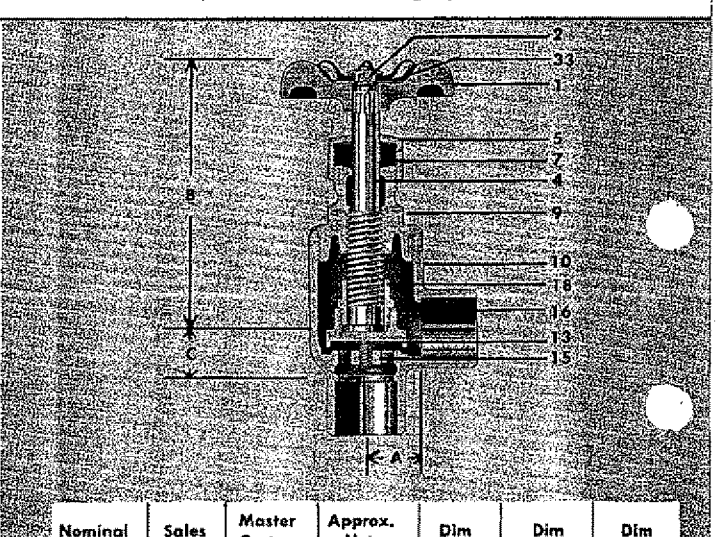
1. No-Heat Aluminum Handwheel cool, comfortable in your hand.
2. Brass Handwheel Nut assures easy replacement.
4. Nibcoloy Stem. Non-corrosive, high tensile strength, long
5. Full Size Packing Nut manufactured from 85-5-5-5% red br
7. FULL DEPTH PACKING of graphite impregnated asbestos.
9. Precision machined Bonnet of 85-5-5-5% durable red brass.
10. Full strength 85-5-5-5%, most non-corrosive brass alloy.
13. Seat disc. Refer to page 26 full details for choosing right disc.
15. Seat disc nut of brass alloy for easy disassembly.
16. Disc Holder of 85-5-5-5% red brass. Trouble free service life.
18. Disc Holder nut Made from Non-corrosive brass alloy.
33. Identification plate makes reordering a pleasure.

732 ANGLE VALVES



Buna-N Disc Standard
(Comp. Steam
Must be Specified)

Copper to Copper



Nominal Size	Sales Carton	Master Carton Quantity	Approx. Net. Wt.	Dim A	Dim B	Dim C
3/8"	1	72	.63	5/8"	3 1/2"	5/8"
1/2"	1	60	.73	5/8"	3 7/16"	5/8"
3/4"	1	48	1.10	11/16"	4 3/16"	11/16"
1"	1	30	1.90	15/16"	4 21/32"	15/16"
1 1/4"	1	18	3.00	1 1/8"	5 7/32"	1 1/8"
1 1/2"	1	12	3.85	1 1/4"	5 13/16"	1 1/4"
2"	1	6	6.20	1 5/16"	7 1/4"	1 5/16"

NIBCO000526

ACCESSORIES

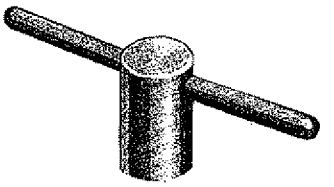
AVAILABLE FOR

NIBCO VALVES

NIBCO

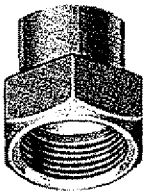
LOCKSHIELD KEY

Used as handle with Lockshield.



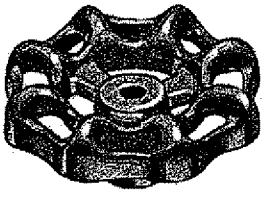
LOCKSHIELD

Made of 85-5-5-5 Red Brass. Available for all Nibco Valves. Used where valve should not be tampered with.



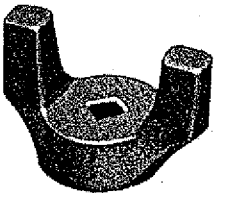
HANDWHEEL

Made of die cast aluminum. Standard on all valves.



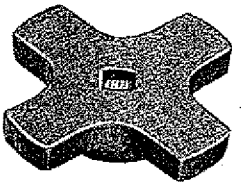
BUTTERFLY HANDLE

Made of 85-5-5-5 Red Brass. Available for all Pressure Rated Valves ⅜" through 3". Used where valve is sunken or out of reach for normal handwheel use.



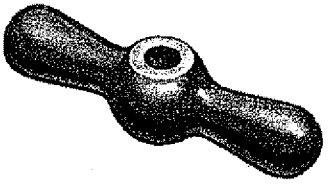
CROSS HANDLE

Made of 85-5-5-5 Cast Red Brass. Available for all pressure rated valves ⅜" through 3". Used where valve is sunken or out of reach of normal handwheel use.



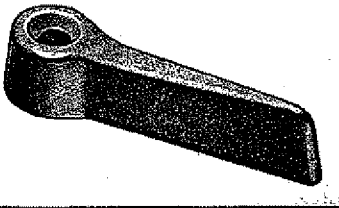
SPLINED ROUND TEE HANDLE

Made of die cast aluminum. Available for ½" and ¾" Stop & Waste Valves. Used where this type is more desirable than the conventional round hand wheel.



SPLINED KNIFE LEVER HANDLE

Made of die cast aluminum. Available for ½" and ¾" S & W valves. Used where this type is more desirable than the conventional round hand-wheel.



TO ORDER ASK FOR PART BY NAME AND STATE SIZE OF VALVE WITH WHICH IT IS TO BE USED.
PRICE ON REQUEST FROM FACTORY

NIBCO000527

POINTERS FOR CHOOSING THE RIGHT VALVE

GLOBE AND ANGLE VALVES

CHOOSE FOR:

- capacity flow
- throttling
- replaceable discs
- frequent operation
- minimum wire drawing
- easy maintenance

Y-GLOBE VALVES

CHOOSE FOR:

- full flow (see Page 17)
- throttling
- replaceable discs
- frequent operation
- minimum space

Y-CHECK VALVES

CHOOSE FOR:

- full flow
- horizontal or vertical flow
- replaceable discs
- use with gate valves
- preventing back flow

GATE VALVE: Rising Stem type . . .

USE WHERE position of disc (open or closed) needs to be determined visually.

CHOOSE FOR:

- straight-thru flow
- non-throttling
- infrequent operation
- minimum pressure drop

GATE VALVE: Non-rising Stem type . . .

USE WHERE space is critical installation factor.

CHOOSE FOR:

- straight-thru flow
- non-throttling
- infrequent operation
- minimum pressure drop

NIBCO

TYPES OF DISCS

GLOBES, ANGLES AND CHECK VALVES

BUNA-N: For service with hot or cold water and up to 50 lbs. of steam, as well as oils, gases and other fluids. See Page 9 for full details.

COMPOSITION, STEAM: For use with hot water and steam up to pressures for which valve is marked. Made from a high quality impregnated asbestos. This type disc is hard and seats best at higher steam temperatures.

BRASS: For service with viscous fluids or gases that might form coatings on seating surfaces which the hard brass disc would penetrate. Also general purpose use except for close throttling.

GATE VALVES

WEDGE: Resists vibration. Tapered surfaces assure seating. Installs in any position.

DOUBLE DISC: Resists wear because closing is a spreading movement. Two independent seat faces surfaces assure positive closure. Should be installed ONLY with stem above horizontal position.

VALVE INSTALLATION POINTERS

CAUTION

READ THIS BEFORE PROCEEDING

Be Sure That All Valves, Both Gate and Globe, are fully open before starting the soldering operation. This eliminates the danger of burning out the disc material or stem packing, or of soldering the valve permanently shut.

Concentrate the Heat on the Tube First. Transfer as much heat as possible from the tube into the valve. Be sure that the heat is distributed over the whole area. Avoid prolonged heating of one spot, as this may cause distortion of the seat or other vital parts.

Do Not Use Too Much Solder. Excess solder may run past the tube stop and solidify in the seating area to impair proper closing of the valve.

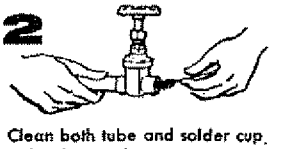
Avoid Use of Slow Heating Element. The prolonged heating period necessary with this type of unit may cause the packing to burn out.

Wrap Large Valves in Wet Rags to Avoid Overheating. Because of the extreme heat that is necessary to complete these joints the valve may warp if this precaution is not taken.

SIX SIMPLE STEPS



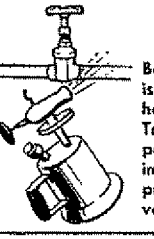
1 Cut tube end square, ream, burr and size.



2 Clean both tube and solder cup to bright metal.



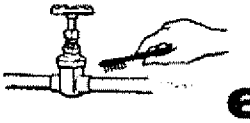
3 Apply solder flux to outside of tube and inside of solder cup carefully so that surfaces to be joined are completely covered. Use flux sparingly.



4 Be sure that the valve is fully open. Apply the heat to the tube first. Transfer as much heat as possible through the tube into the valve. Avoid any prolonged heating of the valve itself.



5 Use just enough solder. When using wire solder, use ¾" of solder for ¾" valve, etc. . . . If too much solder is used it may flow past the tube stop and clog the seating area.



6 Remove excess solder with small brush while plastic, leaving a fillet around the end of the valve as it cools.

NIBCO000528

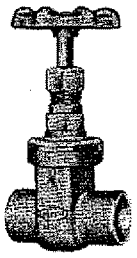
INTRODUCING

No. 1
July 31, 1957

AN ADDITION TO OUR LINE



COPPER to COPPER



#756 - GATE VALVE

125 pounds S.W.P
200 pounds W.O.G.

F.S.P.S. to F.S.P.S.



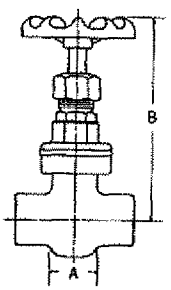
#56 - GATE VALVE

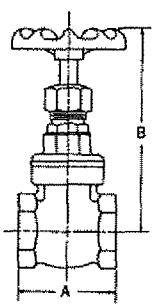
The full waterway in these gate valves provides maximum flow and minimum turbulance. The 85-5-5-5% Red Brass alloy from which these valves are cast offers superior resistance to the corrosive effects of the liquids normally transmitted through this type of valve. All NIBCO Valves are individually pressure tested to insure against breakdowns on the job.

FEATURES

Solid Wedge Disc	NIBCOLOY Stems
Non-Rising Stem	Packing Friction Gland
Individually Boxed	Full Waterway
Repack Under Pressure	Individually Pressure Tested

Fig. No.	Nom. Size	Approx. Net Wt.	Dim A	Dim B
756	2-1/2	9.25	1-7/8	9-1/2
56	2-1/2	9.60	4-1/4	9-1/2







NIBCO

ELKHART, INDIANA

Price: $18.00 each Based on CNP No. 15-(Jobber Discount 32%)