

**RESILIENT
WEDGE VALVES**

CLOW VALVE COMPANY

**CLOW AWWA Resilient Wedge Gate Valves
Meet or Exceed the Requirements of
AWWA Standard C515**

| Size Range | Water Working Pressure psi | Bubble Tight Test psi | Hydrostatic Shell Test psi |
|-------------|----------------------------|-----------------------|----------------------------|
| AWWA 4"-48" | 250 | 250 | 500 |
| ULFM 4"-16" | 200 | 200 | 400 |

Available in either non-rising stem, outside screw & yoke.

Available End Connections & Size Range

Figure No.

| | | |
|---------------------------|-----------------------|--------|
| FLG End (NRS) | 4"-48" | F-6102 |
| M.J. | 4"-48"(except 2 1/2") | F-6100 |
| FLG & M.J. | 4"-48" | F-6106 |
| Push-on for PVC (SDR) | 4"-12" | F-6110 |
| FLG End (OS & Y) | 4"-24" | F-6136 |
| M.J. for Tapping | 4"-24" | F-6114 |
| Tyton for D.I. & C900 PVC | 4"-12" & 16" | F-6112 |
| M.J. Cutting-in | 4"-12" | F-6111 |
| Tyton for D.I. X FLG | 4"-12" | F-6113 |

Accessories (Illustrated in the Gate Valve Section)

| | |
|-------------------------------|-----------------------|
| Indicator Posts | 2" Sq. Operating Nuts |
| Enclosed Gearing (14"-24") | Handwheels |
| "T" Handles | Extension Stems |
| Stem Guides | Floor Boxes |
| Electric Motor Actuators | Chain Wheels |
| Floorstands (non-rising stem) | |

NOTE:

It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment.

MODEL 2638 AWWA C515 REDUCED WALL DUCTILE IRON

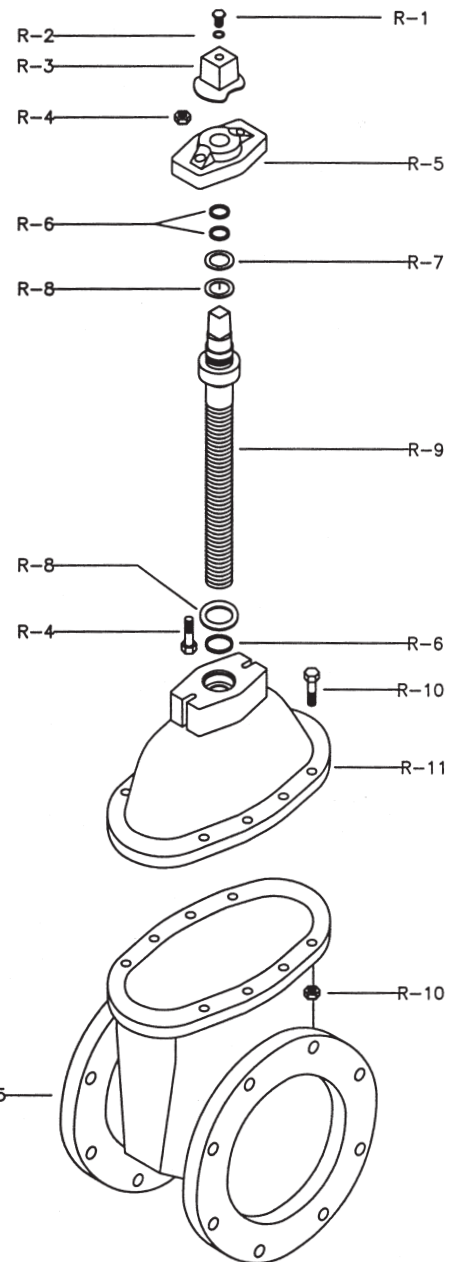
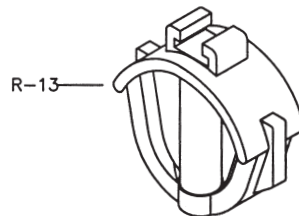
Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE
NRS ASSEMBLY EXPLOSION

CLOW VALVE COMPANY

MODEL 2638

| ITEM NO. | QTY. | DESCRIPTION | MATERIAL |
|----------|------|--|---------------------|
| R-1 | 1 | HOLD DOWN BOLT | 304 STAINLESS STEEL |
| R-2 | 1 | HOLD DOWN BOLT WASHER | 304 STAINLESS STEEL |
| R-3 | 1 | SQ. OPERATING NUT OR HANDWHEEL (NOT SHOWN) | GRAY IRON |
| R-4 | 2 | FOLLOWER PLATE BOLT& NUT | 304 STAINLESS STEEL |
| R-5 | 1 | FOLLOWER PLATE | DUCTILE IRON |
| R-6 | 3 | STEM O-RING | RUBBER |
| R-7 | 1 | FOLLOWER PLATE O-RING | RUBBER |
| R-8 | 1 | THRUST WASHER (SIZES 2"-2.5") | DELTRIN |
| R-9 | 2 | THRUST WASHER (SIZES 3-12") | DELTRIN |
| R-10 | 1 | STEM | COPPER ALLOY |
| R-11 | 4 | COVER BOLTS&NUTS (SIZES 2" THRU 6") | 304 STAINLESS STEEL |
| R-12 | 8 | COVER BOLTS&NUTS (SIZES 8" THRU 12") | 304 STAINLESS STEEL |
| R-13 | 1 | COVER | DUCTILE IRON |
| R-14 | 1 | STEM NUT | COPPER ALLOY |
| R-15 | 1 | WEDGE | GRAY IRON & RUBBER |
| R-16 | 1 | COVER O-RING | RUBBER |
| R-17 | 1 | BODY | DUCTILE IRON |

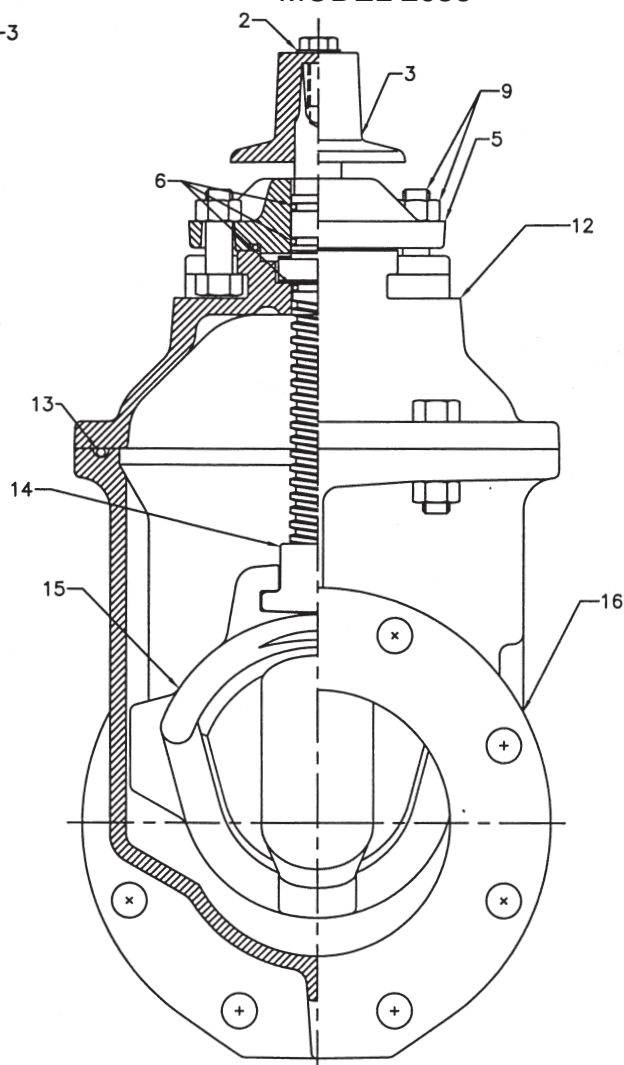
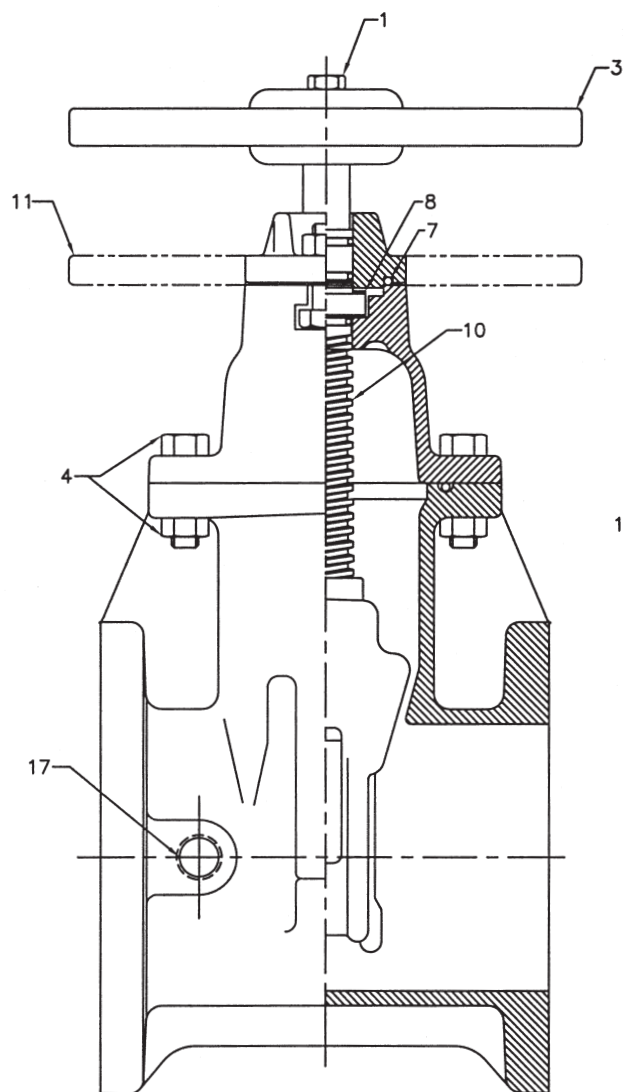


Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE
MATERIAL LIST

CLOW VALVE COMPANY

MODEL 2638



| ITEM | DESCRIPTION | MATERIAL |
|------|---------------------------------------|---------------------|
| 1 | Hex Head Bolt | 304 Stainless Steel |
| 2 | Flat Washer | 304 Stainless Steel |
| 3 | Operating Nut or Handwheel | Gray Iron |
| 4 | Hex Head Bolts & Nuts | 304 Stainless Steel |
| 5 | Follower Plate | Ductile Iron |
| 6 | Stem O-Ring | Rubber |
| 7 | Follower Plate O-Ring/gasket | Rubber |
| 8 | Thrust Washer Bearing | Delrin |
| 9 | Hex Head Bolts & Nuts | 304 Stainless Steel |
| 10 | Stem | Copper Alloy |
| 11 | Indicator Post Plate (Optional 3-12") | Ductile Iron |
| 12 | Cover | Ductile Iron |
| 13 | Cover O-Ring | Rubber |
| 14 | Stem Nut | Copper Alloy |
| 15 | Wedge | Gray Iron & Rubber |
| 16 | Body - all types | Ductile Iron |
| 17 | Pipe Plug (Optional Some Styles) | Stainless Steel |

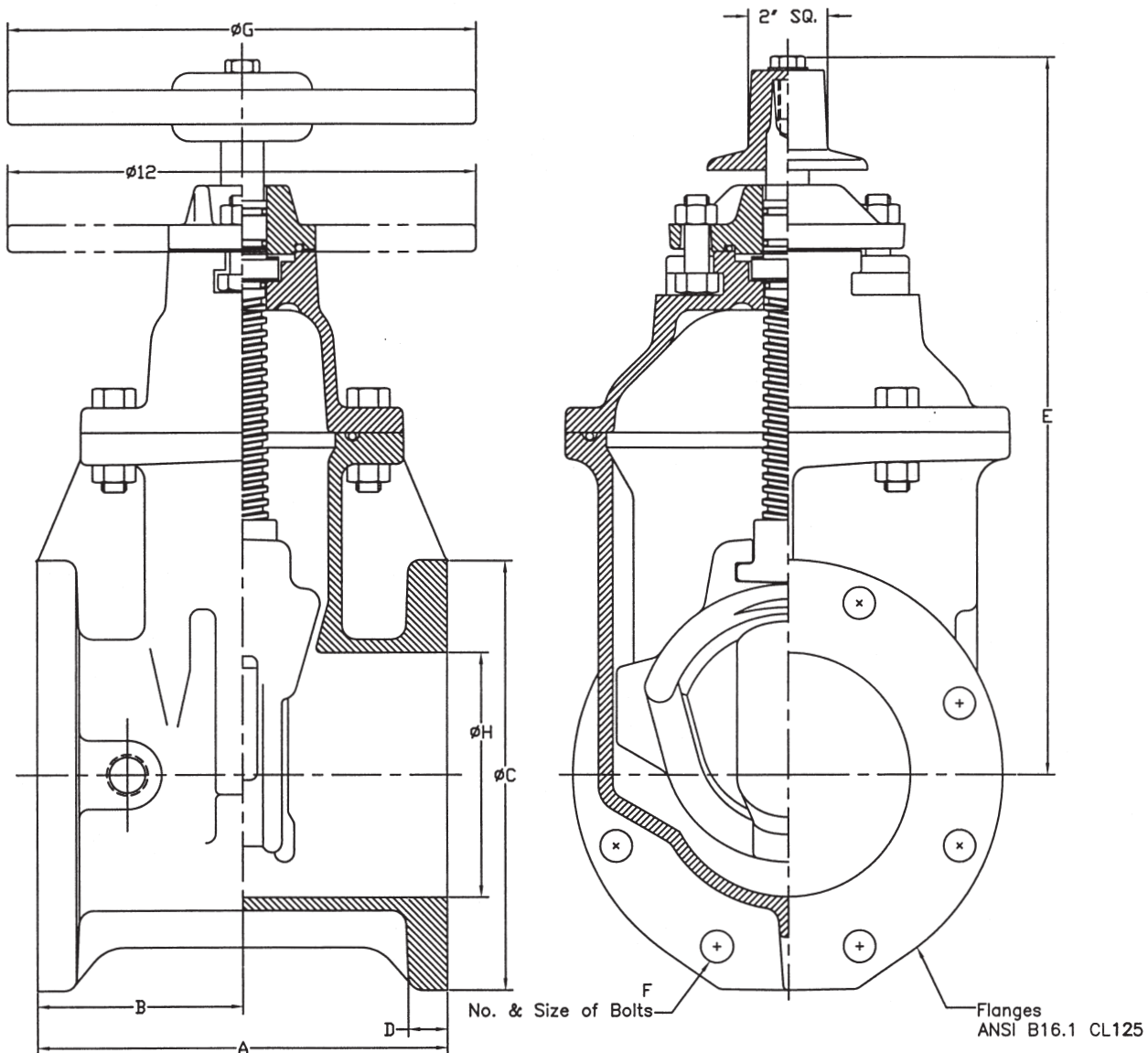
Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE NRS FLANGED ENDS
GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638

F-6102



| VALVE SIZE | A | B | C | D | E | F | G | H |
|---------------|--------|-------|--------|--------|--------|--------|----|--------|
| 4 | 9 | 4 1/2 | 9 | 15/16 | 14 3/4 | 8-5/8 | 10 | 4 1/4 |
| 6 | 10 1/2 | 5 1/4 | 11 | 1 | 19 | 8-3/4 | 12 | 6 1/4 |
| 8 | 11 1/2 | 5 3/4 | 13 1/2 | 1 1/8 | 22 1/2 | 8-3/4 | 14 | 8 1/4 |
| 10 | 13 | 6 1/2 | 16 | 1 3/16 | 26 1/2 | 12-7/8 | 18 | 10 1/4 |
| 12 | 14 | 7 | 19 | 1 1/4 | 30 | 12-7/8 | 18 | 12 1/4 |

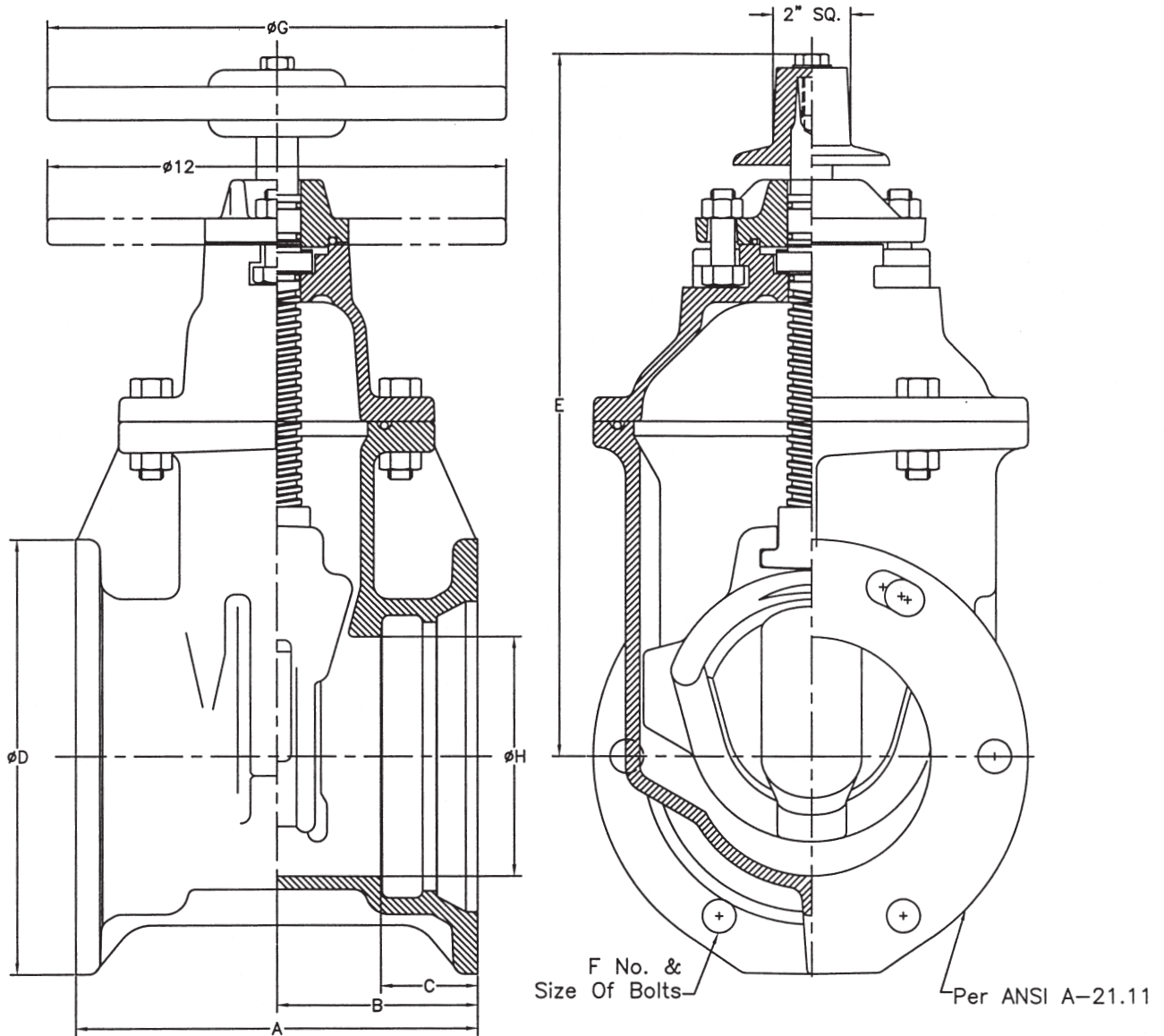
Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE MECHANICAL JOINT ENDS
GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638

F-6100



| VALVE SIZE | A | B | C | D | E | F | G | H |
|---------------|--------|--------|-------|--------|--------|-------|----|--------|
| 4 | 9 1/2 | 4 3/4 | 2 1/2 | 9 1/8 | 14 3/4 | 4-3/4 | 10 | 4 1/4 |
| 6 | 10 1/2 | 5 1/4 | 2 1/2 | 11 1/8 | 19 | 6-3/4 | 12 | 6 1/4 |
| 8 | 13 1/8 | 6 9/16 | 2 1/2 | 13 3/4 | 22 1/2 | 6-3/4 | 14 | 8 1/4 |
| 10 | 15 1/2 | 7 3/4 | 2 1/2 | 15 3/4 | 26 1/2 | 8-3/4 | 18 | 10 1/4 |
| 12 | 16 | 8 | 2 5/8 | 18 | 30 | 8-3/4 | 18 | 12 1/4 |

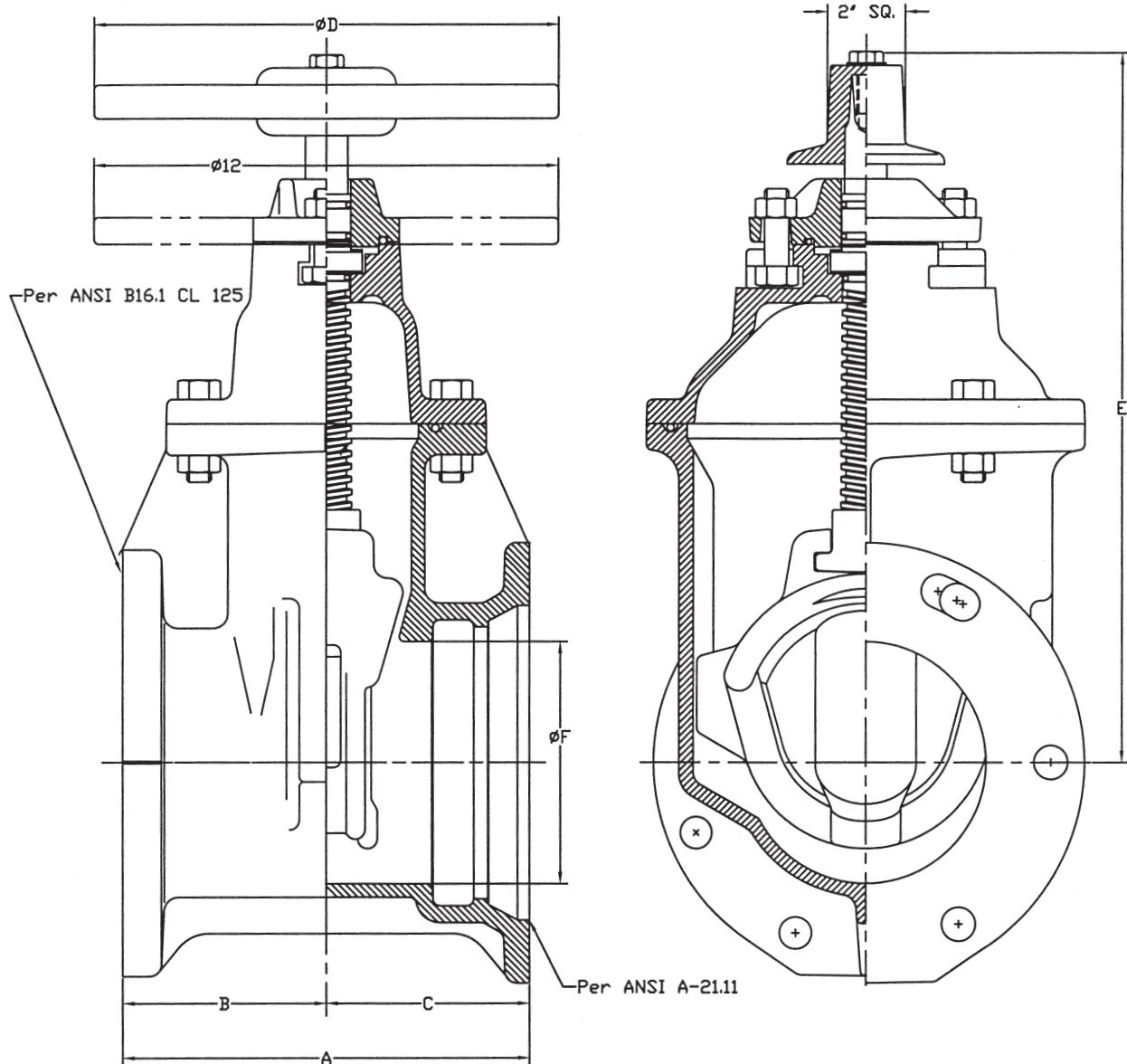
Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE NRS FLANGED x
MECHANICAL JOINT ENDS GENERAL
DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638

F-6106



| VALVE SIZE | A | B | C | D | E | F |
|---------------|---------|-------|--------|----|--------|--------|
| 4 | 9 1/4 | 4 1/2 | 4 3/4 | 10 | 14 3/4 | 4 1/4 |
| 6 | 10 1/2 | 5 1/4 | 5 1/4 | 12 | 19 | 6 1/4 |
| 8 | 12 5/16 | 5 3/4 | 6 9/16 | 14 | 22 1/2 | 8 1/4 |
| 10 | 14 1/4 | 6 1/2 | 7 3/4 | 18 | 26 1/2 | 10 1/4 |
| 12 | 15 | 7 | 8 | 18 | 30 | 12 1/4 |

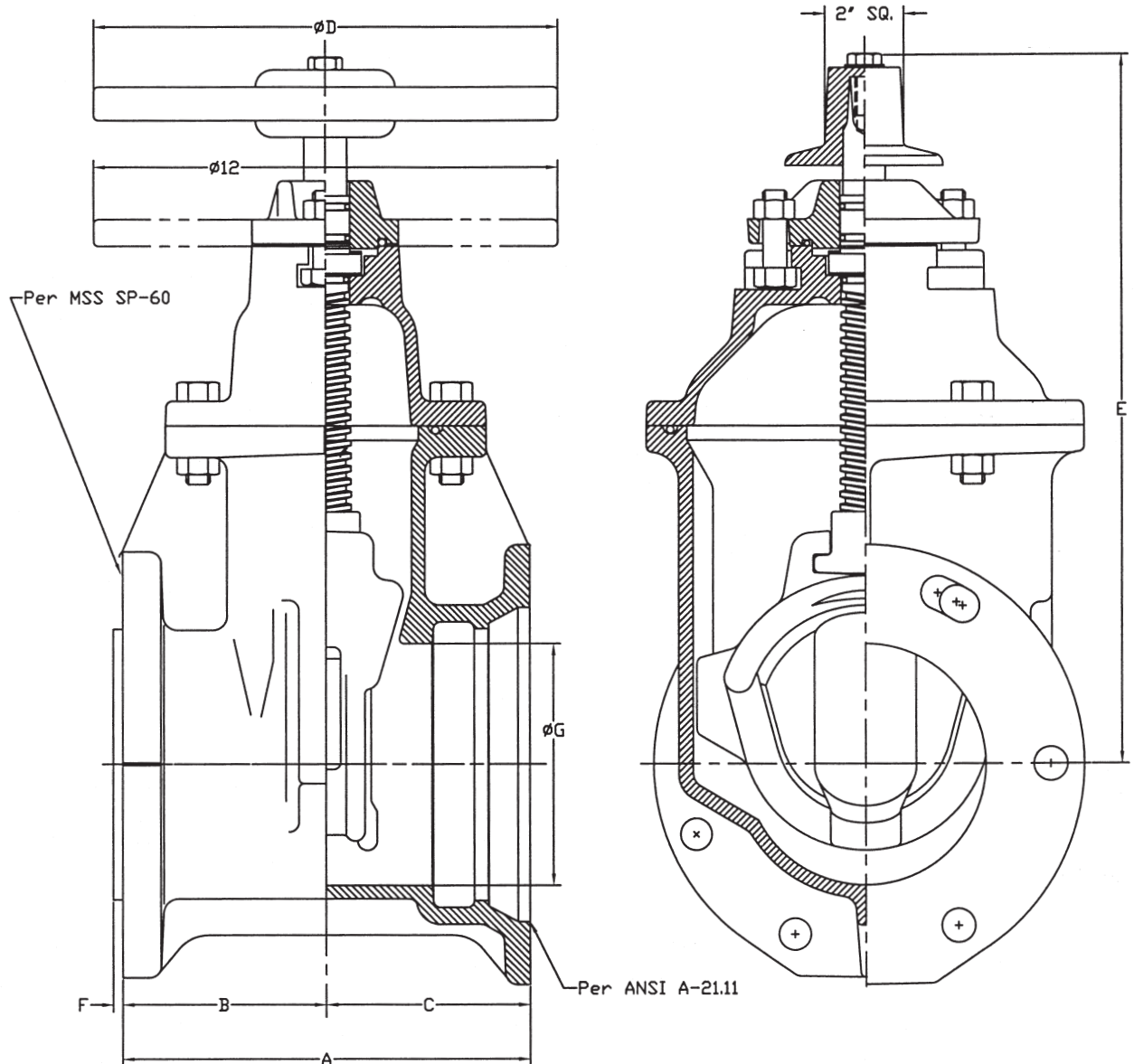
Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE NRS TAP x
MECHANICAL JOINT ENDS GENERAL
DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638

F-6114



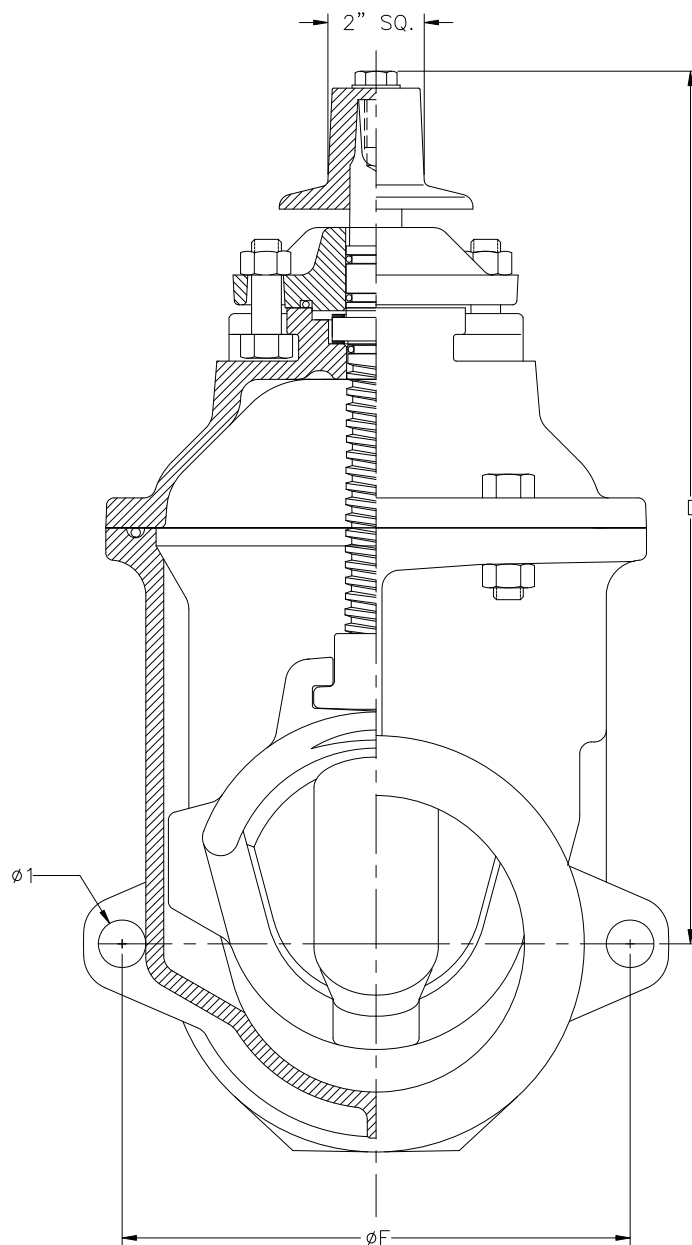
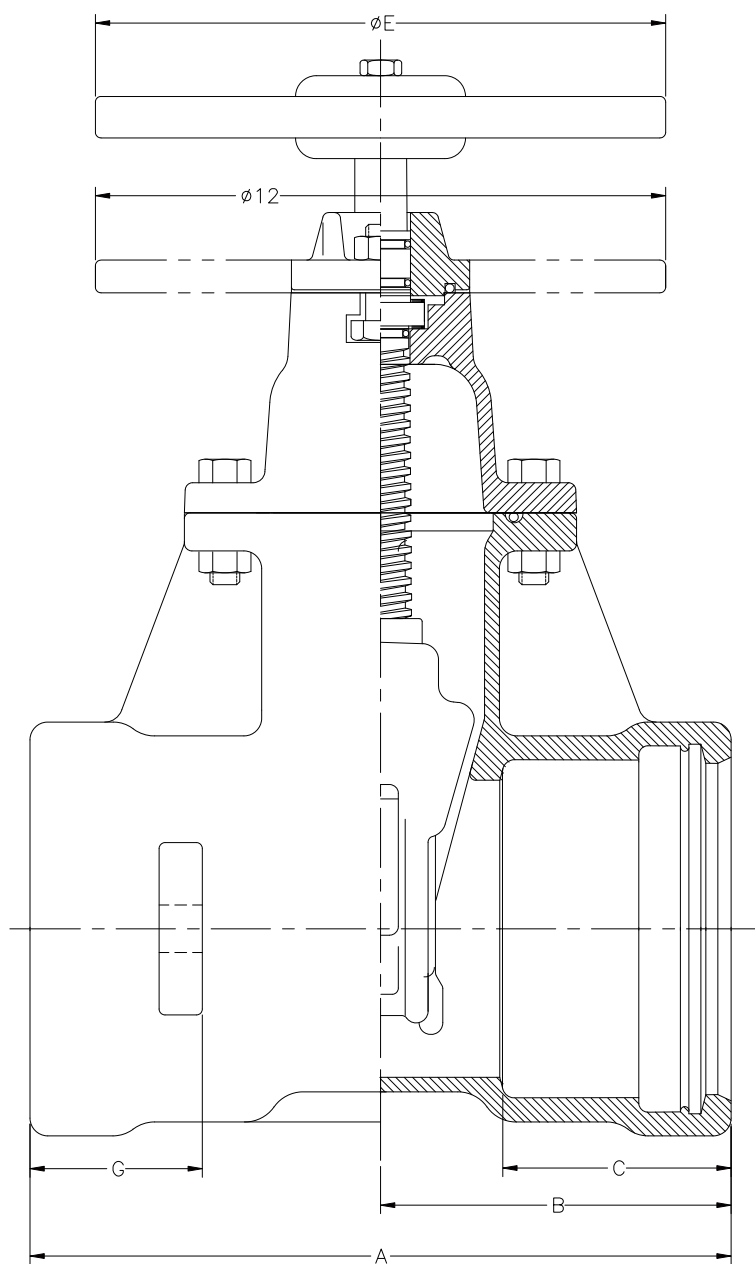
| VALVE SIZE | A | B | C | D | E | F | G |
|---------------|--------|-------|-------|----|--------|------|--------|
| 4 | 9 1/4 | 4 1/2 | 4 3/4 | 10 | 14 3/4 | 3/16 | 4 1/4 |
| 6 | 10 1/2 | 5 1/4 | 5 1/4 | 12 | 19 | 1/4 | 6 1/4 |
| 8 | 13 1/4 | 5 3/4 | 7 1/2 | 14 | 22 1/2 | 1/4 | 8 1/4 |
| 10 | 14 1/4 | 6 1/2 | 7 3/4 | 18 | 26 1/2 | 1/4 | 10 1/4 |
| 12 | 15 | 7 | 8 | 18 | 30 | 1/4 | 12 1/4 |

Complies with applicable
requirements of AWWA C515

4"-16" R/W VALVE TYTON ENDS
NRS GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638



| VALVE SIZE | A | B | C | D | E | F | G |
|---------------|---------|---------|------|--------|----|-------|-------|
| 4 | 13 1/4 | 6 5/8 | 4.34 | 14 3/4 | 10 | 8.18 | 3 3/4 |
| 6 | 14 3/4 | 7 3/8 | 4.75 | 19 | 12 | 10.88 | 3 3/4 |
| 8 | 17 1/8 | 8 9/16 | 5.70 | 22 1/2 | 14 | 12.88 | 4 1/2 |
| 10 | 19 3/8 | 9 11/16 | 6.19 | 26 1/2 | 18 | 15.94 | 5 1/8 |
| 12 | 20 7/8 | 10 7/16 | 6.19 | 30 | 18 | 18.44 | 5 3/8 |
| 14 | 21 | 10 1/2 | 5 | 38 3/4 | 26 | 22.30 | 2 1/2 |
| 16 | 24 1/16 | 12 1/32 | 6.78 | 37 3/4 | 26 | 22.46 | 2 1/2 |

Complies with applicable
requirements of AWWA C515

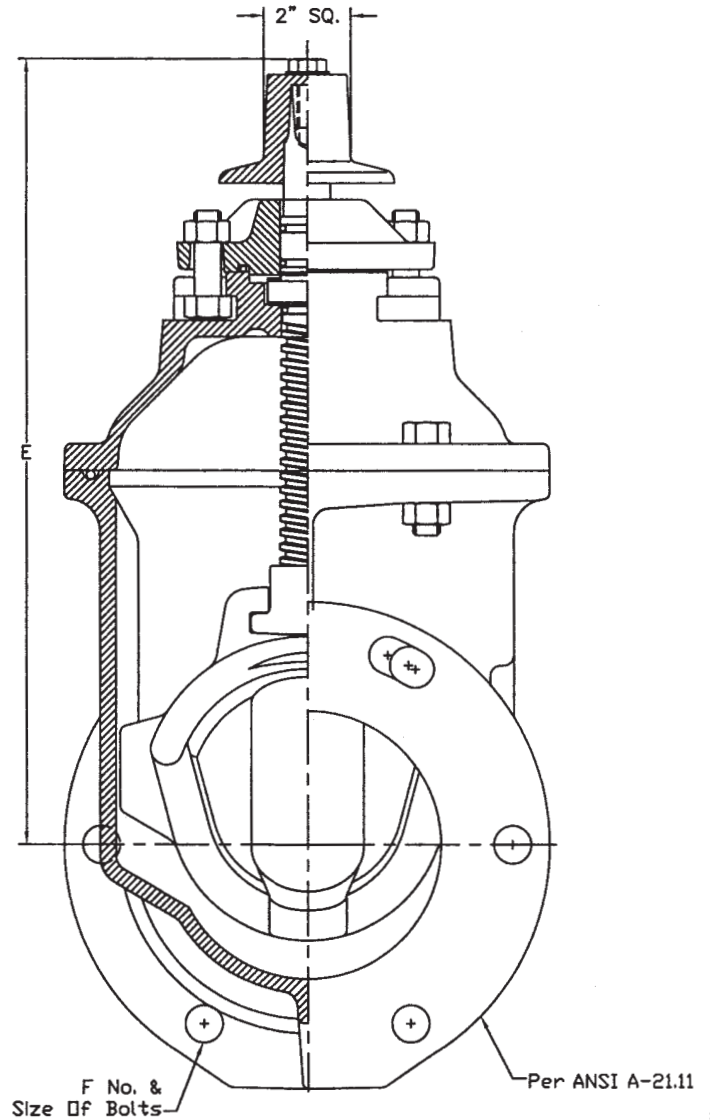
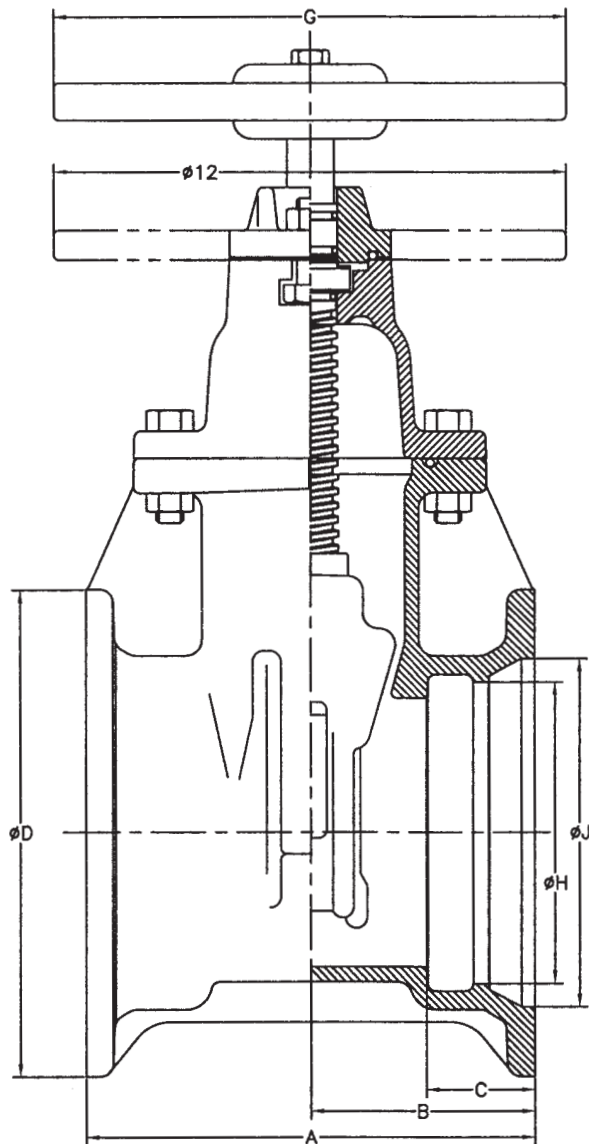
4"-12" R/W VALVE MECHANICAL CUT JOINT
ENDS

GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638

F-6111



| VALVE SIZE | A | B | C | D | E | F | G | H | J |
|---------------|--------|--------|-------|--------|--------|-------|----|-------|-------|
| 4 | 9 1/2 | 4 3/4 | 2 1/2 | 9 1/8 | 14 3/4 | 4-3/4 | 10 | 5.10 | 6.20 |
| 6 | 10 1/2 | 5 1/4 | 2 1/2 | 11 1/8 | 19 | 6-3/4 | 12 | 7.20 | 8.30 |
| 8 | 13 1/8 | 6 9/16 | 2 1/2 | 13 3/4 | 22 1/2 | 6-3/4 | 14 | 9.40 | 10.50 |
| 10 | 15 1/2 | 7 3/4 | 2 1/2 | 15 3/4 | 26 1/2 | 8-3/4 | 18 | 11.50 | 12.62 |
| 12 | 16 | 8 | 2 5/8 | 18 | 30 | 8-3/4 | 18 | 13.60 | 14.72 |

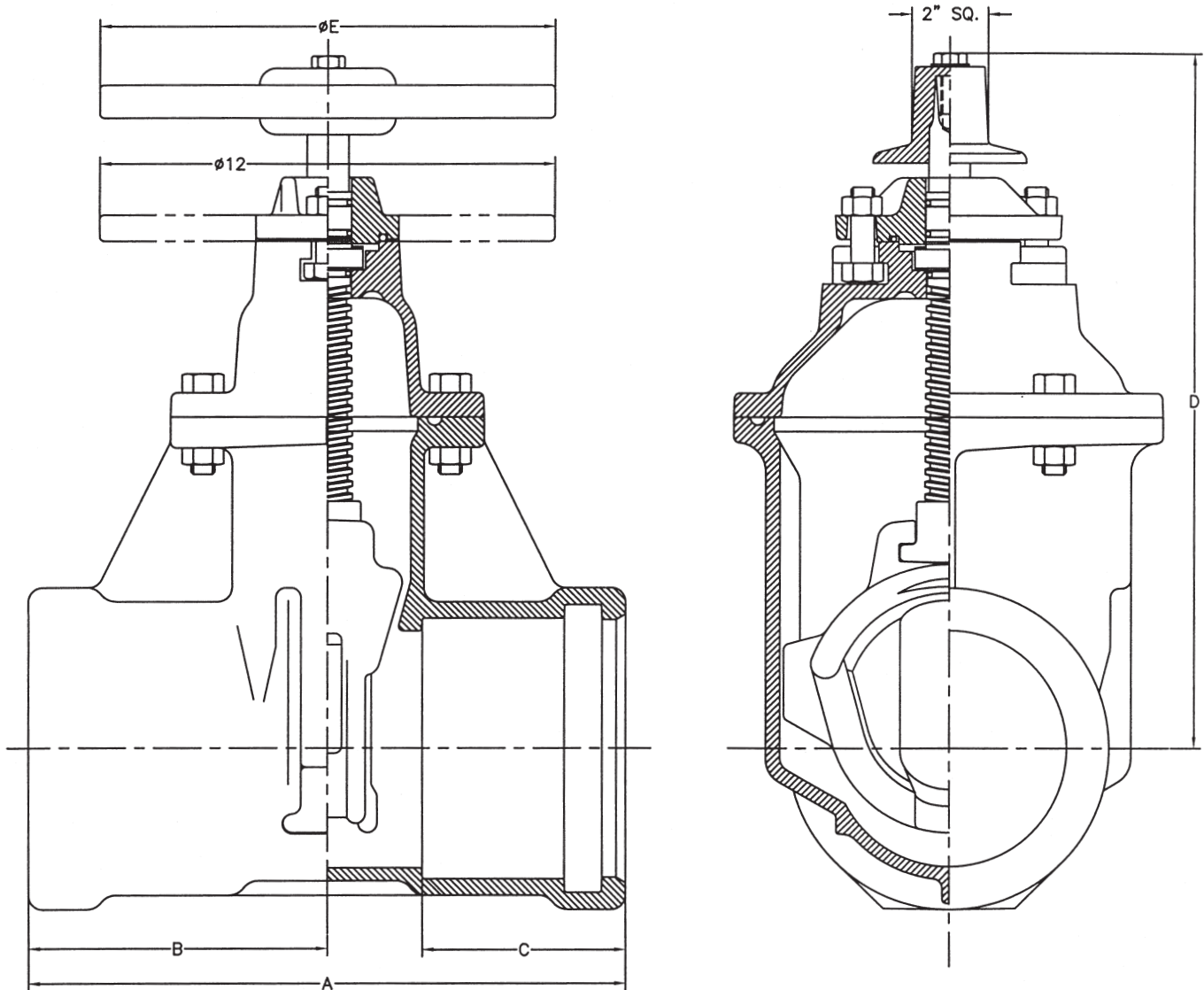
Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE PVC ENDS
NRS GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638

F-6110



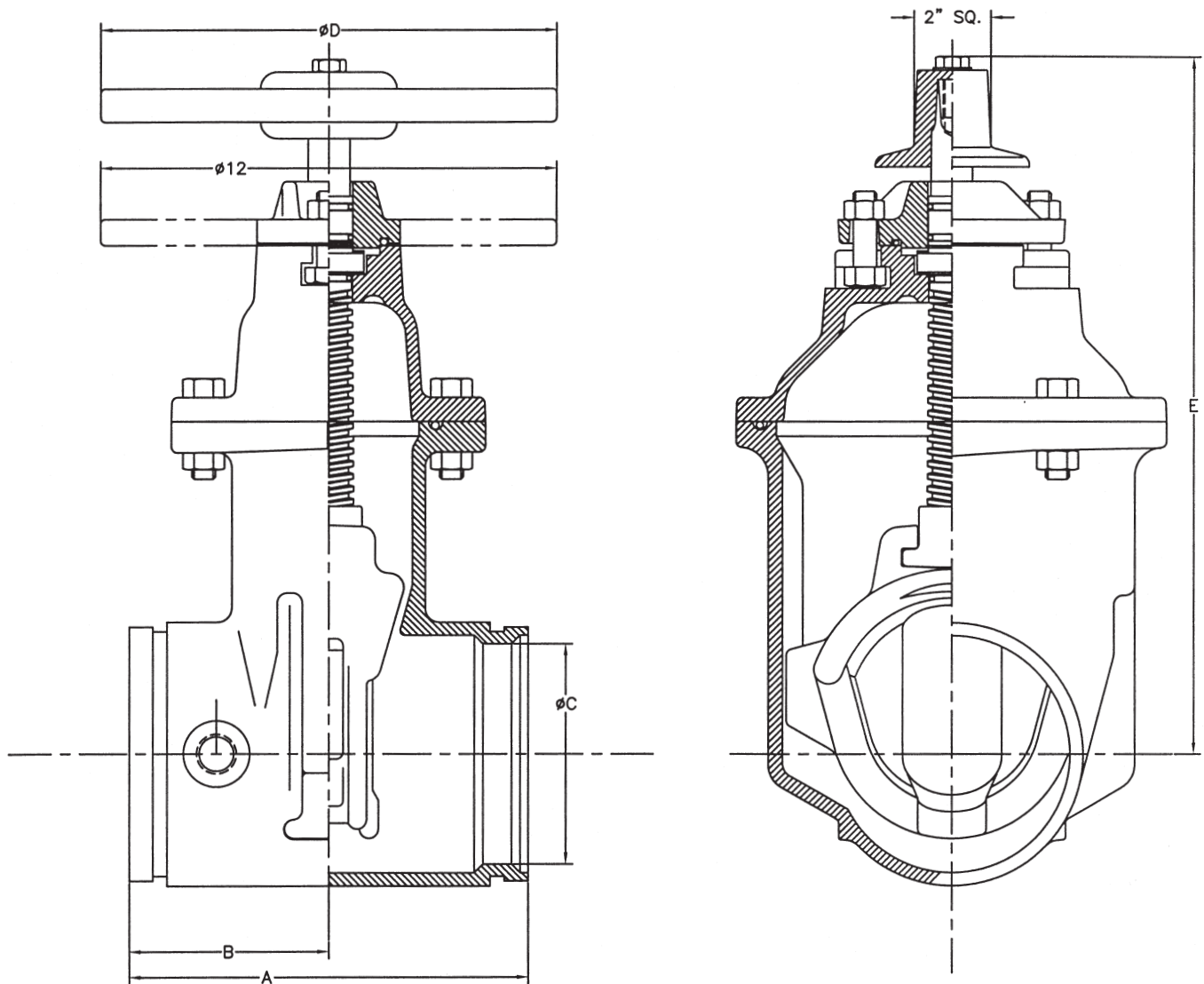
| VALVE SIZE | A | B | C | D | E |
|---------------|--------|---------|--------|--------|----|
| 4 | 13 1/2 | 6 3/4 | 4 1/2 | 14 3/4 | 10 |
| 6 | 15 3/4 | 7 7/8 | 5 3/8 | 19 | 12 |
| 8 | 16 1/4 | 8 1/8 | 5 3/8 | 22 1/2 | 14 |
| 10 | 19 3/8 | 9 11/16 | 6 3/16 | 26 1/2 | 18 |
| 12 | 20 7/8 | 10 7/16 | 6 3/16 | 30 | 18 |

Complies with applicable
requirements of AWWA C515

4"-8" R/W VALVE GROOVE ENDS
NRS GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638



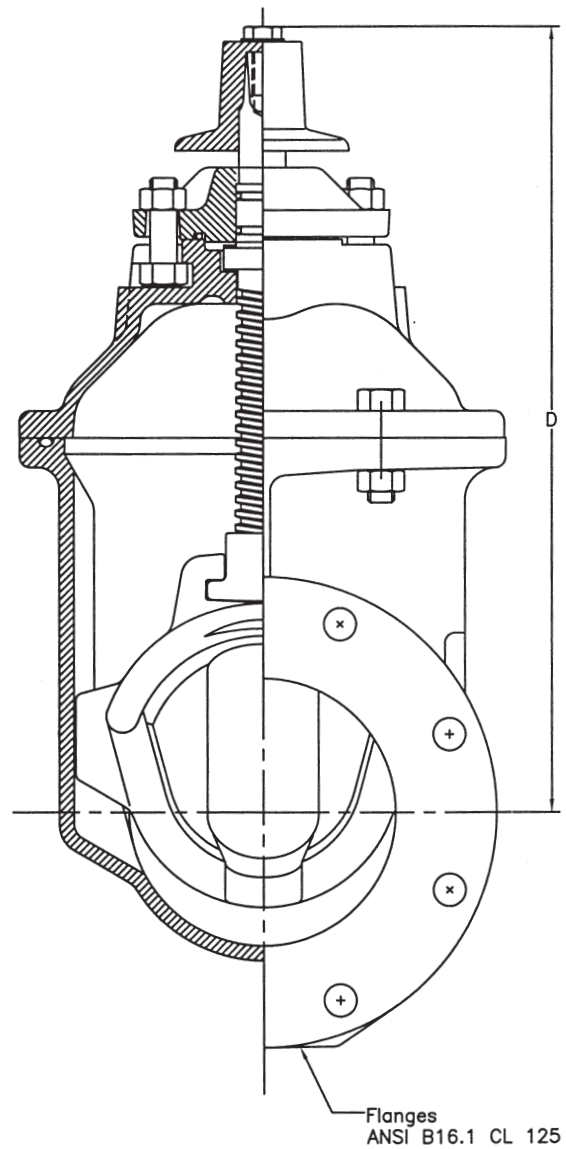
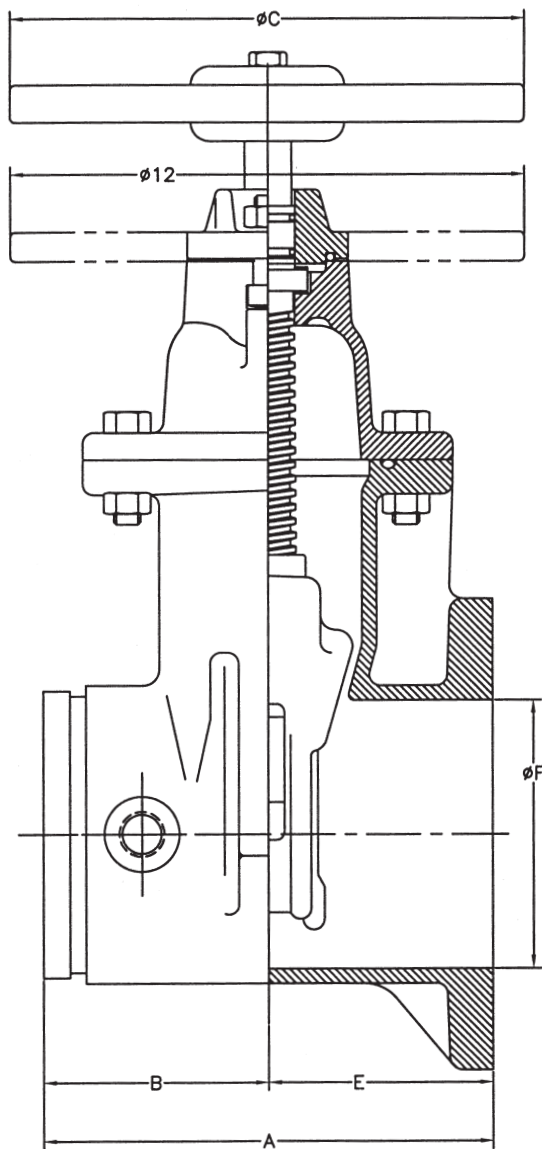
| VALVE SIZE | A | B | C | D | E |
|---------------|--------|-------|------|----|--------|
| 4 | 9 | 4 1/2 | 3.75 | 10 | 14 3/4 |
| 6 | 10 1/2 | 5 1/4 | 5.80 | 12 | 19 |
| 8 | 11 1/2 | 5 3/4 | 7.67 | 14 | 22 1/2 |

Complies with applicable
requirements of AWWA C515

4"-8" R/W VALVE GROOVE x FLANGE
NRS GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638



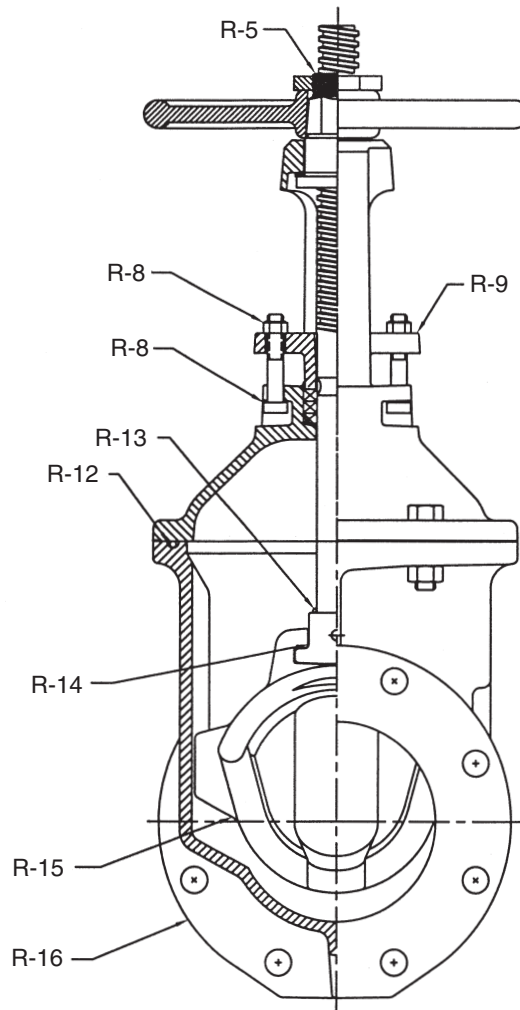
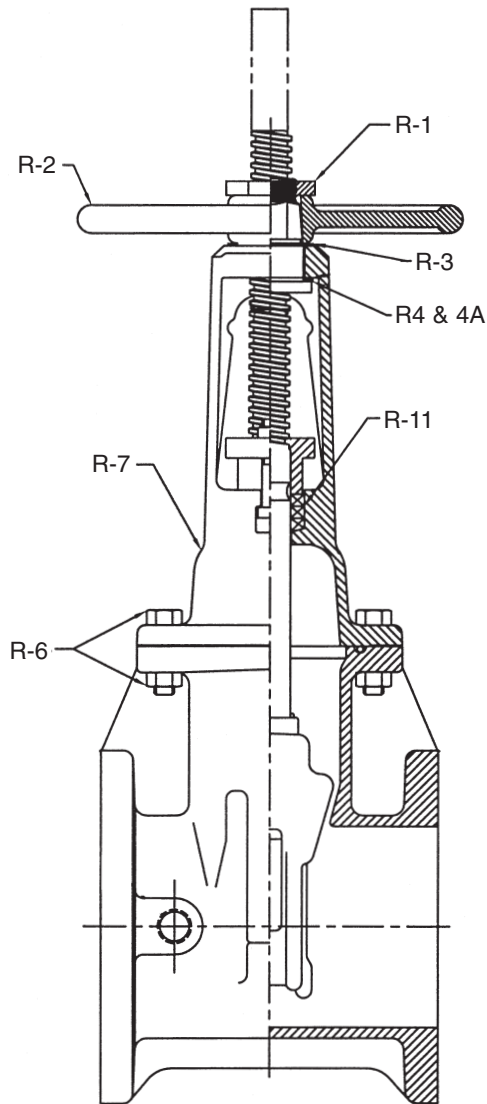
| VALVE SIZE | A | B | C | D | E | F |
|---------------|--------|-------|----|--------|-------|-------|
| 4 | 9 | 4 1/2 | 10 | 14 3/4 | 4 1/2 | 4 1/4 |
| 6 | 10 1/2 | 5 1/4 | 12 | 19 | 5 1/4 | 6 1/4 |
| 8 | 11 1/2 | 5 3/4 | 14 | 22 1/2 | 5 3/4 | 8 1/4 |

Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE MATERIAL LIST

CLOW VALVE COMPANY

MODEL 2638



| DET. | NAME OF PART | MATERIAL |
|------|------------------------------|--------------------------|
| R-1 | HANDWHEEL NUT | COPPER ALLOY |
| R-2 | HANDWHEEL | CAST IRON |
| R-3 | UPPER THRUST WASHER | COPPER ALLOY |
| R-4 | LOWER THRUST WASHER | COPPER ALLOY |
| R-4A | LOWER THRUST WASHER | DELFIN |
| R-5 | TOP NUT | MANGANESE BRONZE |
| R-6 | HEX. HEAD COVER BOLTS & NUTS | ZINC PLATED STEEL |
| R-7 | COVER | DUCTILE IRON |
| R-8 | PACKING BOLTS | ZINC PLATED STEEL |
| R-8 | PACKING BOLT NUTS | COPPER ALLOY |
| R-9 | GLAND FLANGE | CAST IRON |
| R-11 | PACKING | SO. BRAIDED NON-ASBESTOS |
| R-12 | COVER O-RING | RUBBER |
| R-13 | STEM O-RING | RUBBER |
| R-14 | STEM & STEM NUT | MANGANESE BRONZE |
| R-15 | WEDGE | RUBBER MOLDED WEDGE |
| R-16 | BODY (ALL TYPES) | DUCTILE IRON |

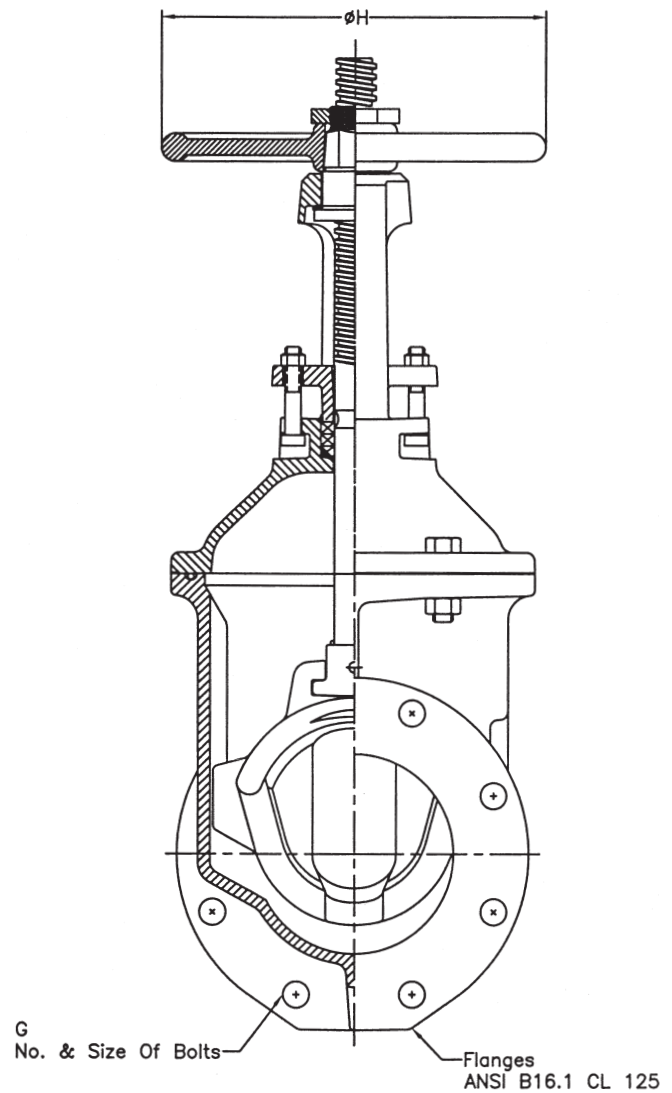
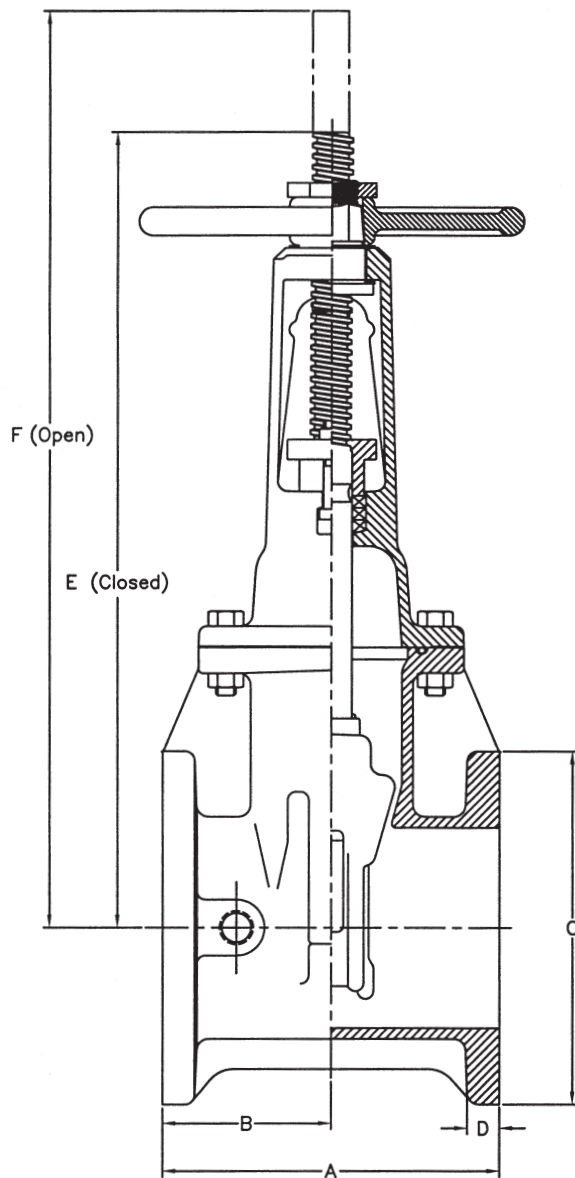
Complies with applicable
requirements of AWWA C515

4"-12" R/W VALVE FLANGE ENDS
OS&Y GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638

F-6136



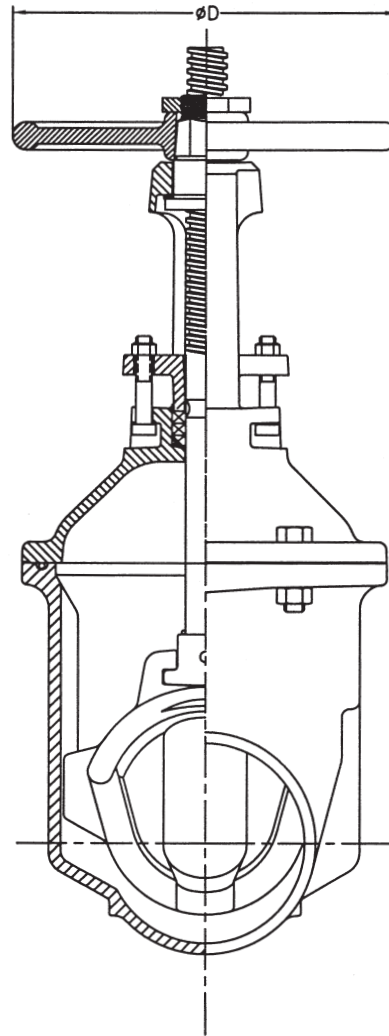
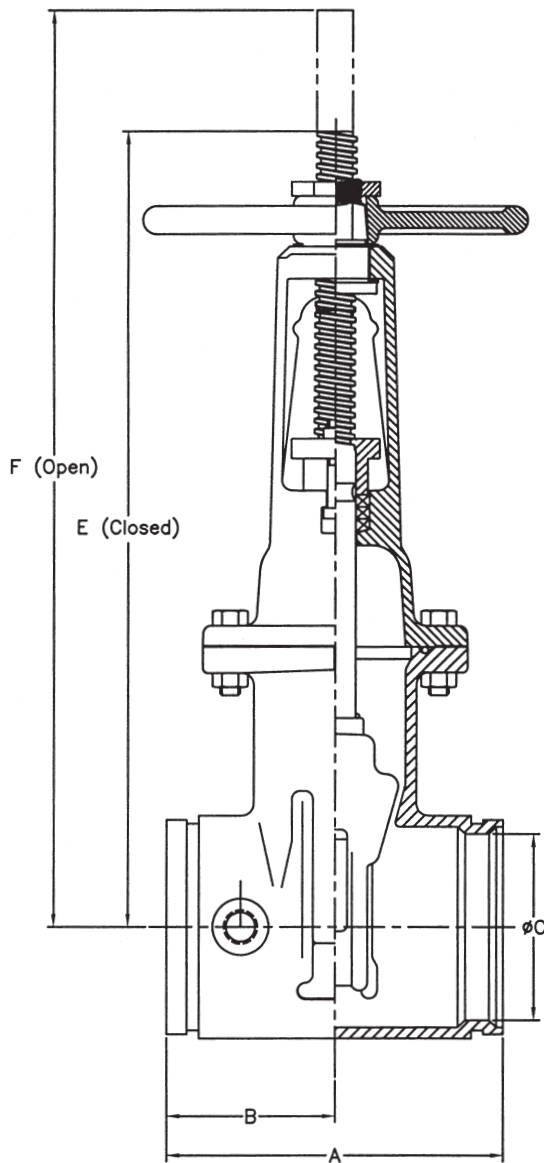
| VALVE SIZE | A | B | C | D | E | F | G | H |
|---------------|--------|-------|--------|--------|--------|--------|--------|----|
| 4 | 9 | 4 1/2 | 9 | 15/16 | 18 1/4 | 22 3/4 | 8-5/8 | 10 |
| 6 | 10 1/2 | 5 1/4 | 11 | 1 | 23 3/4 | 30 1/8 | 8-3/4 | 12 |
| 8 | 11 1/2 | 5 3/4 | 13 1/2 | 1 1/8 | 29 1/4 | 37 3/4 | 8-3/4 | 14 |
| 10 | 13 | 6 1/2 | 16 | 1 3/16 | 35 3/8 | 45 3/4 | 12-7/8 | 18 |
| 12 | 14 | 7 | 19 | 1 1/4 | 40 5/8 | 53 1/8 | 12-7/8 | 18 |

Complies with applicable
requirements of AWWA C515

4"-8" R/W VALVE GROOVE ENDS
OS&Y GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638



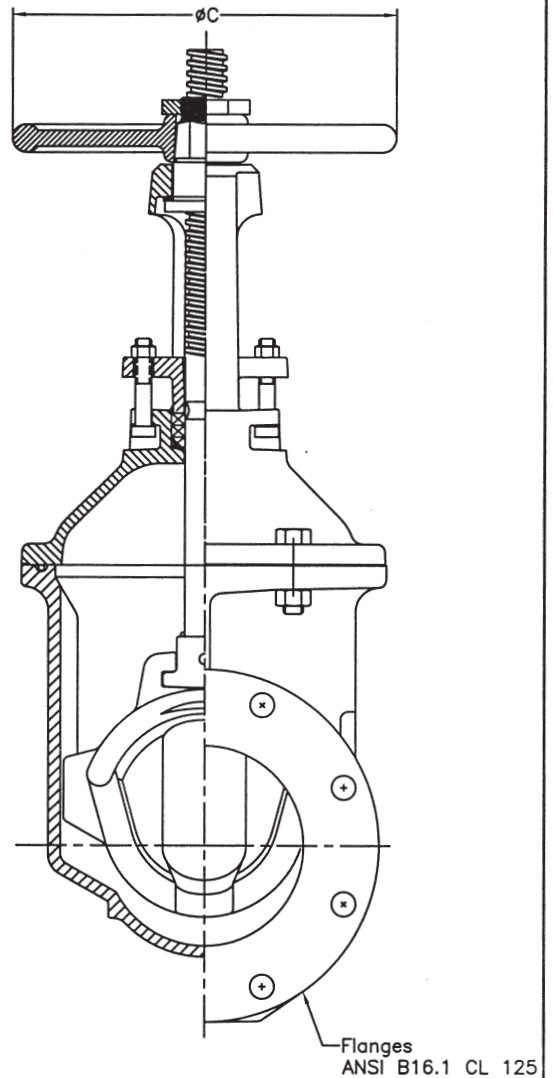
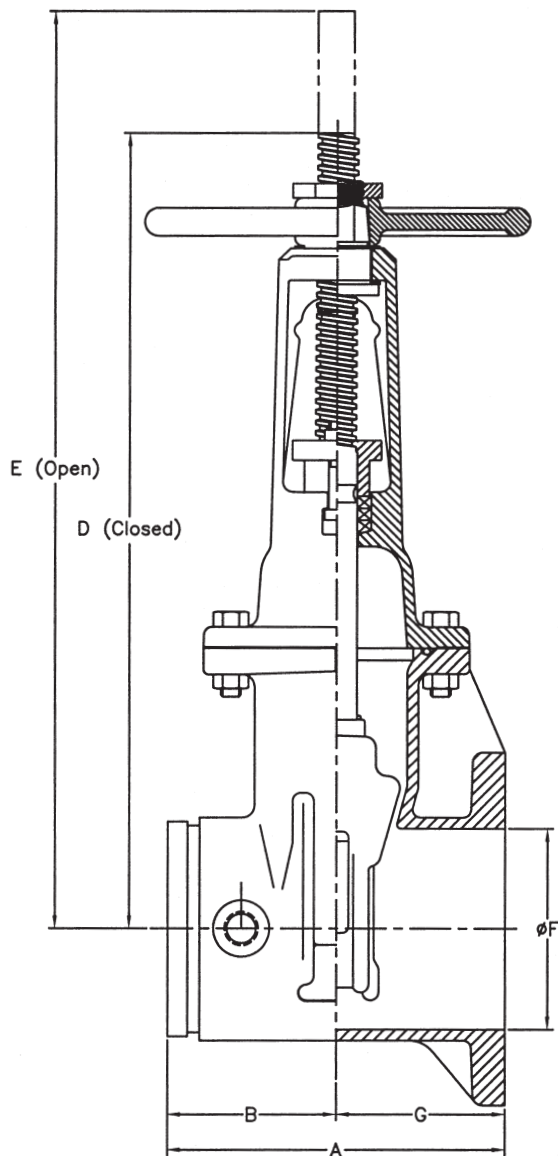
| VALVE SIZE | A | B | C | D | E | F |
|---------------|--------|-------|------|----|--------|--------|
| 4 | 9 | 4 1/2 | 3.75 | 10 | 18 1/4 | 22 3/4 |
| 6 | 10 1/2 | 5 1/4 | 5.80 | 12 | 23 3/4 | 30 1/8 |
| 8 | 11 1/2 | 5 3/4 | 7.67 | 14 | 29 1/4 | 37 3/4 |

Complies with applicable
requirements of AWWA C515

4" -8" R/W VALVE FLANGE x GROOVE
OS&Y GENERAL DIMENSIONS

CLOW VALVE COMPANY

MODEL 2638



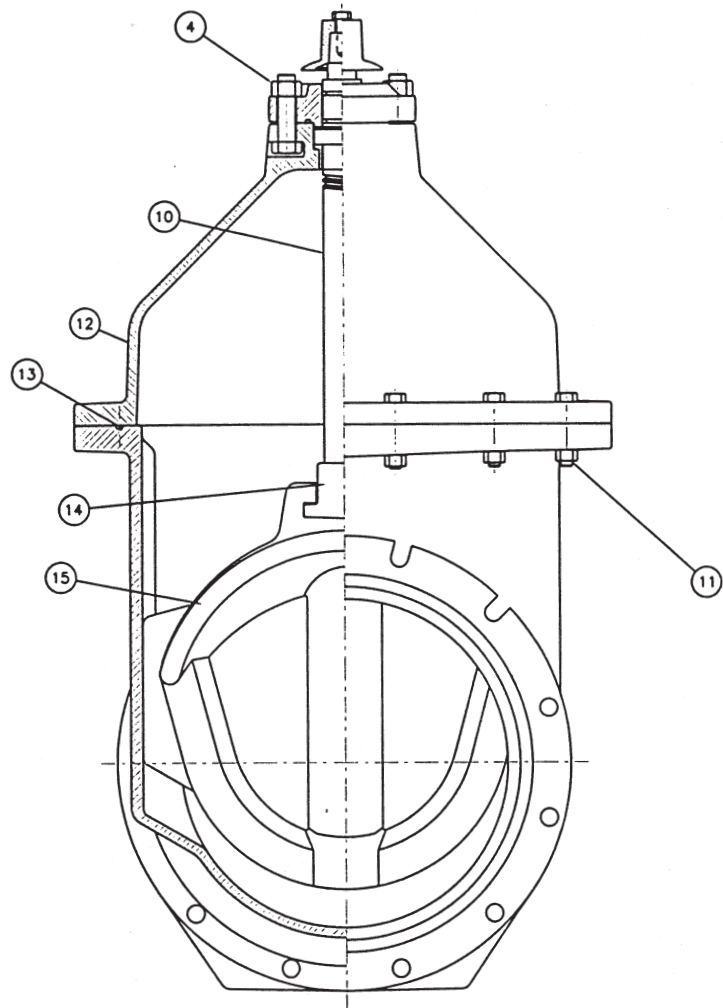
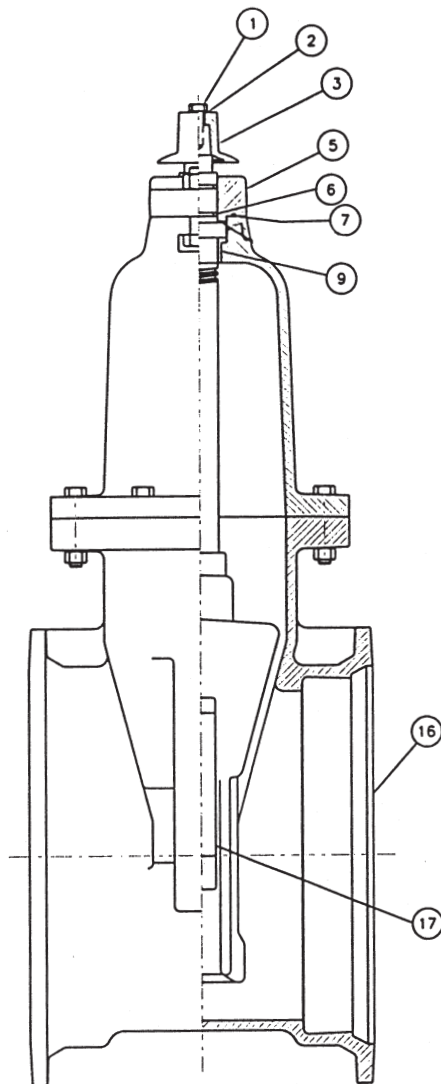
| VALVE SIZE | A | B | C | D | E | F | G |
|---------------|--------|-------|----|--------|--------|-------|-------|
| 4 | 9 | 4 1/2 | 10 | 18 1/4 | 22 3/4 | 4 1/4 | 4 1/2 |
| 6 | 10 1/2 | 5 1/4 | 12 | 23 3/4 | 30 1/8 | 6 1/4 | 5 1/4 |
| 8 | 11 1/2 | 5 3/4 | 14 | 29 1/4 | 37 3/4 | 8 1/4 | 5 3/4 |

Complies with applicable
requirements of AWWA C515

14"-16" R/W VALVE
NRS ASSEMBLY MATERIAL LIST

CLOW VALVE COMPANY

MODEL 2638



| ITEM | DESCRIPTION | MATERIAL |
|------|----------------------------------|-----------------------|
| 1 | HEX HEAD BOLTS | 304 STAINLESS STEEL |
| 2 | FLAT WASHERS | 304 STAINLESS STEEL |
| 3 | OPERATING NUT OR HANDWHEEL | CAST IRON |
| 4 | HEX HEAD BOLTS&NUTS | 304 STAINLESS STEEL |
| 5 | FOLLOWER PLATE | DUCTILE IRON |
| 6 | STEM O-RING | RUBBER |
| 7 | FOLLOWER PLATE O-RING | RUBBER |
| 9 | BONNET BUSHING | COPPER ALLOY |
| 10 | STEM | COPPER ALLOY |
| 11 | HEX HEAD BOLTS&NUTS | 304 STAINLESS STEEL |
| 12 | COVER | DUCTILE IRON |
| 13 | COVER O-RING | RUBBER |
| 14 | STEM NUT | COPPER ALLOY |
| 15 | WEDGE | DUCTILE IRON / RUBBER |
| 16 | BODY - ALL TYPES | DUCTILE IRON |
| 17 | WEDGE PROTECTOR CAP-18"-THRU 24" | DELTRIN |

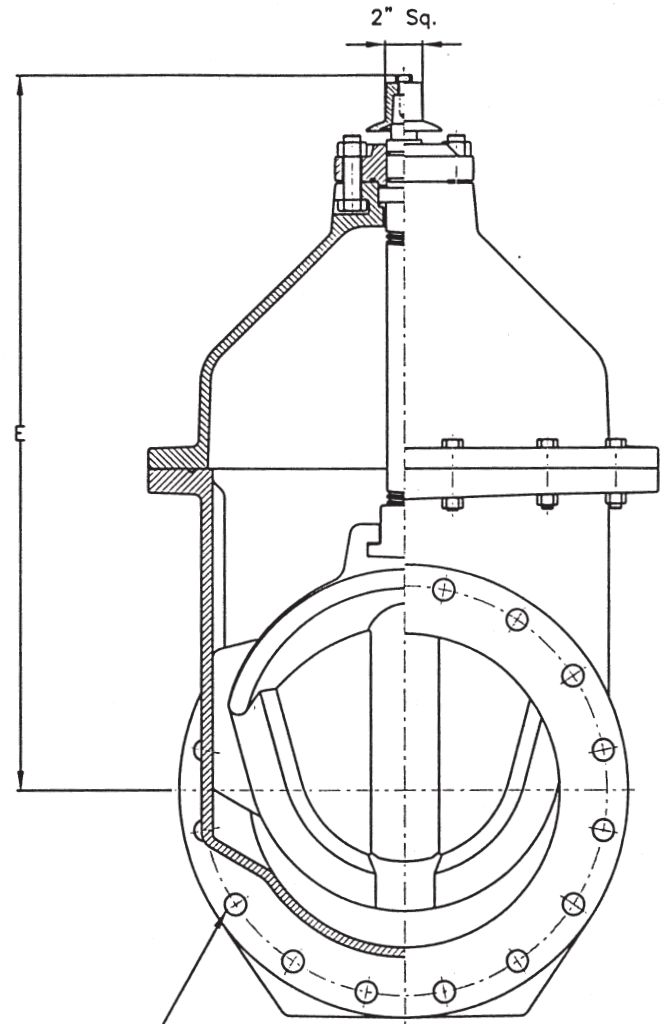
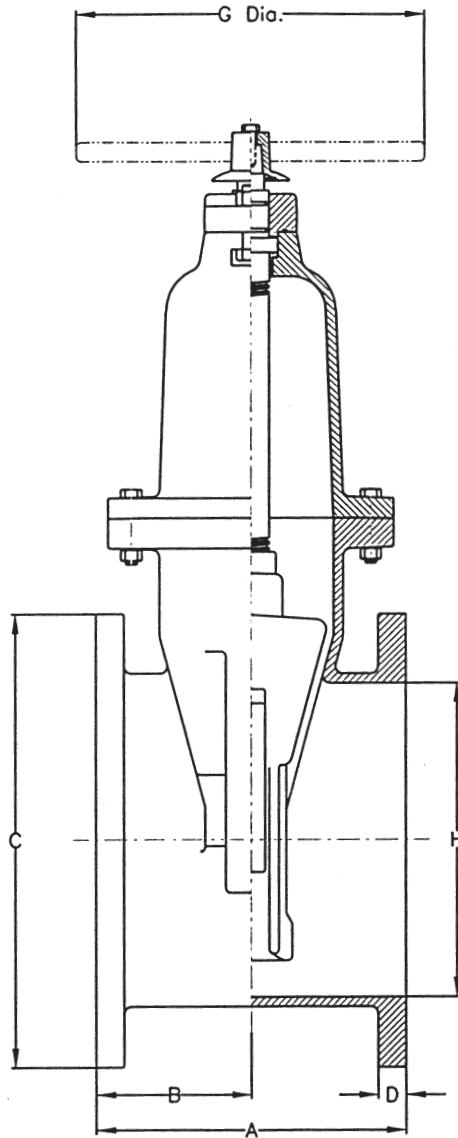
Complies with applicable
requirements of AWWA C515

14"-16" R/W VALVE FLANGED ENDS
GENERAL DIMENSION

CLOW VALVE COMPANY

MODEL 2638

F-6102



F No. & size of bolts
Drilling per ANSI B16.1 class 125

| VALVE SIZE | A | B | C | D | E | F | G | H |
|---------------|----|-----|------|------|-------|------|----|-------|
| 14 | 15 | 7.5 | 21 | 1.38 | 37.75 | 12-1 | 26 | 14.25 |
| 16 | 16 | 8 | 23.5 | 1.44 | 37.75 | 16-1 | 26 | 16.25 |

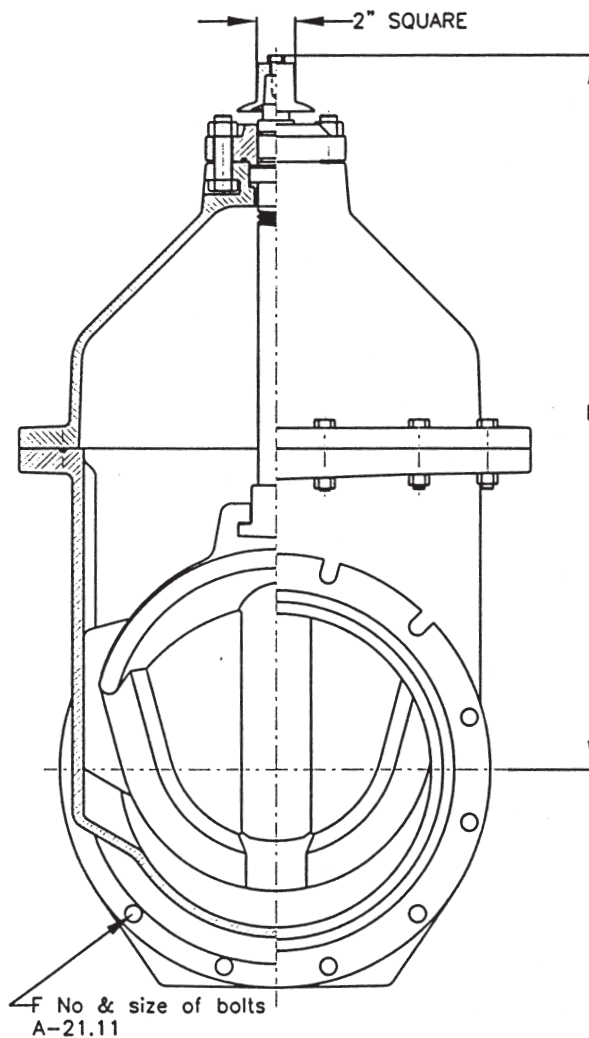
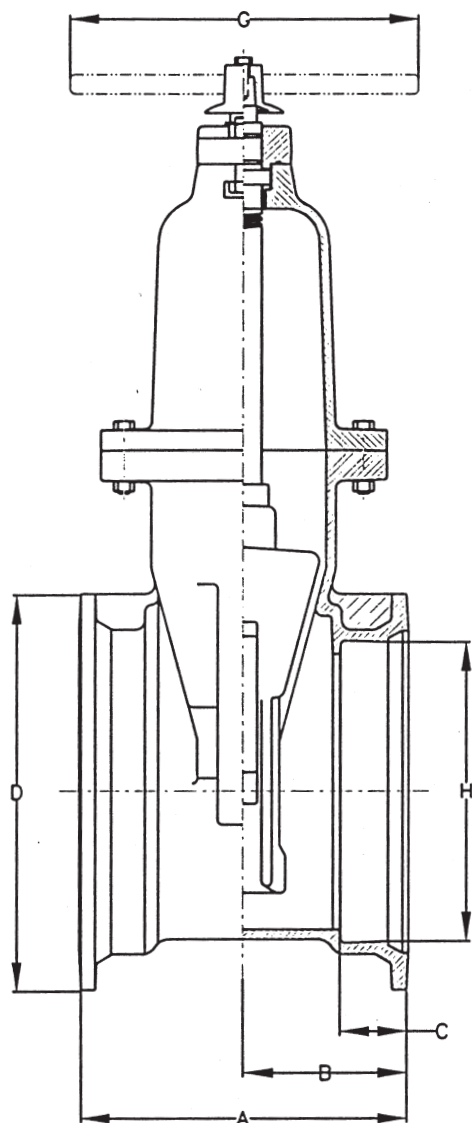
Complies with applicable
requirements of AWWA C515

14"-16" R/W VALVE MJ ENDS
GENERAL DIMENSION

CLOW VALVE COMPANY

MODEL 2638

F-6100



| VALVE SIZE | A | B | C | D | E | F | G | H |
|---------------|----|-----|-----|-------|-------|--------------------|----|-------------------|
| 14 | 17 | 8.5 | 3.5 | 20.25 | 37.75 | 10 ^{-3/4} | 18 | 14 ^{1/4} |
| 16 | 17 | 8.5 | 3.5 | 22.5 | 37.75 | 12 ^{-3/4} | 18 | 16 ^{1/4} |

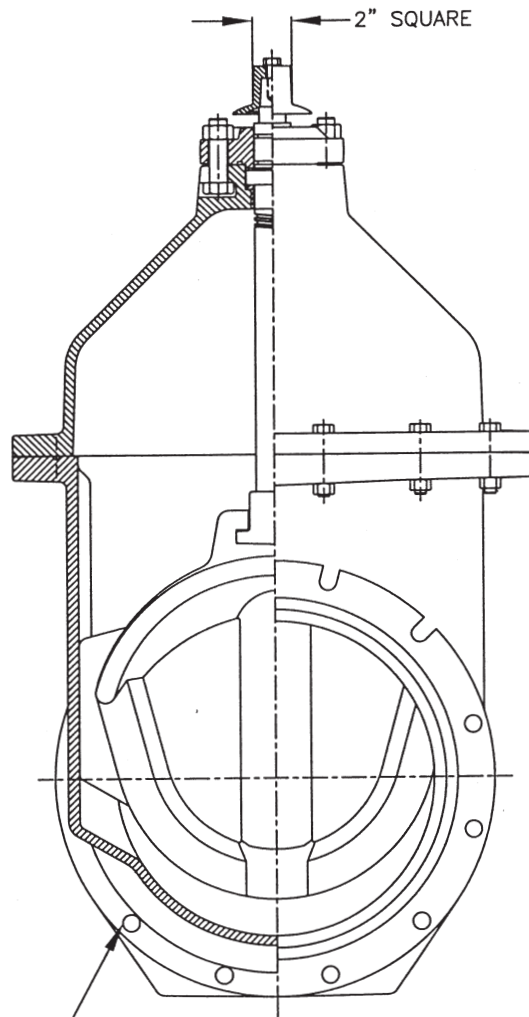
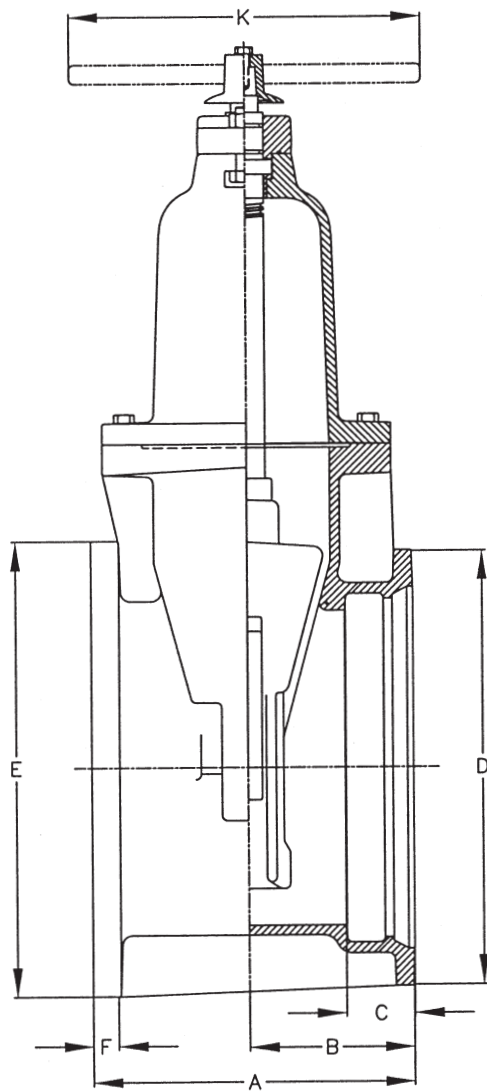
Complies with applicable
requirements of AWWA C515

14"-16" R/W VALVE FLANGE X MJ ENDS
GENERAL DIMENSION

CLOW VALVE COMPANY

MODEL 2638

F-6106



No. & size of bolts
H— Flange Ends per ANSI B16.1
J— MJ End per A21.1

| VALVE SIZE | A | B | C | D | E | F | G | H | J | K |
|---------------|------|-----|-----|-------|------|------|-------|------|-------------------|----|
| 14 | 17 | 8.5 | 3.5 | 20.25 | 21 | 1.38 | 37.75 | 12-1 | 10- $\frac{3}{4}$ | 18 |
| 16 | 16.5 | 8.5 | 3.5 | 22.5 | 23.5 | 1.50 | 37.75 | 16-1 | 12- $\frac{3}{4}$ | 18 |

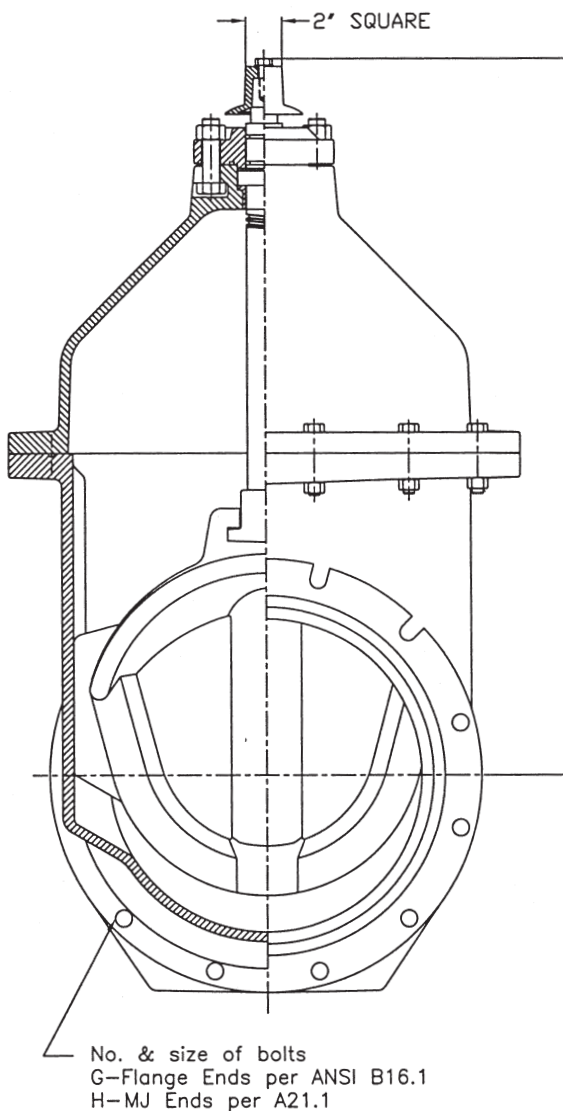
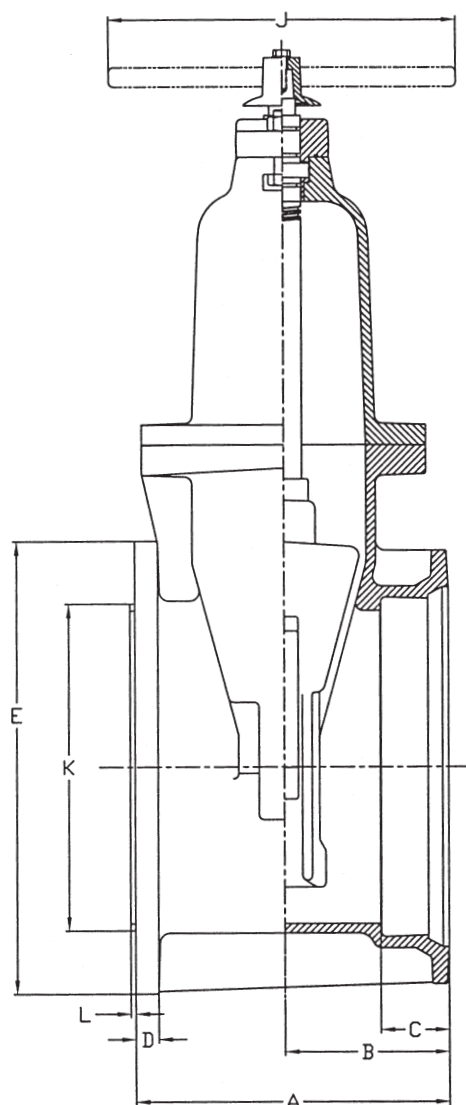
Complies with applicable
requirements of AWWA C515

14"-16" R/W VALVE
MJ TAPPING GENERAL DIMENSION

CLOW VALVE COMPANY

MODEL 2638

F-6114



| VALVE SIZE | A | B | C | D | E | F | G | H | J | K | L |
|---------------|-------|-----|-----|------|------|-------|------|--------|----|----------------------------------|-----|
| 14 | 16.75 | 8.5 | 3.5 | 1.18 | 21 | 37.75 | 21-1 | 10-3/4 | 18 | 14 ¹⁵ / ₁₆ | 1/4 |
| 16 | 16.25 | 8.5 | 3.5 | 1.25 | 23.5 | 37.75 | 16-1 | 12-3/4 | 18 | 16 ¹⁵ / ₁₆ | 1/4 |

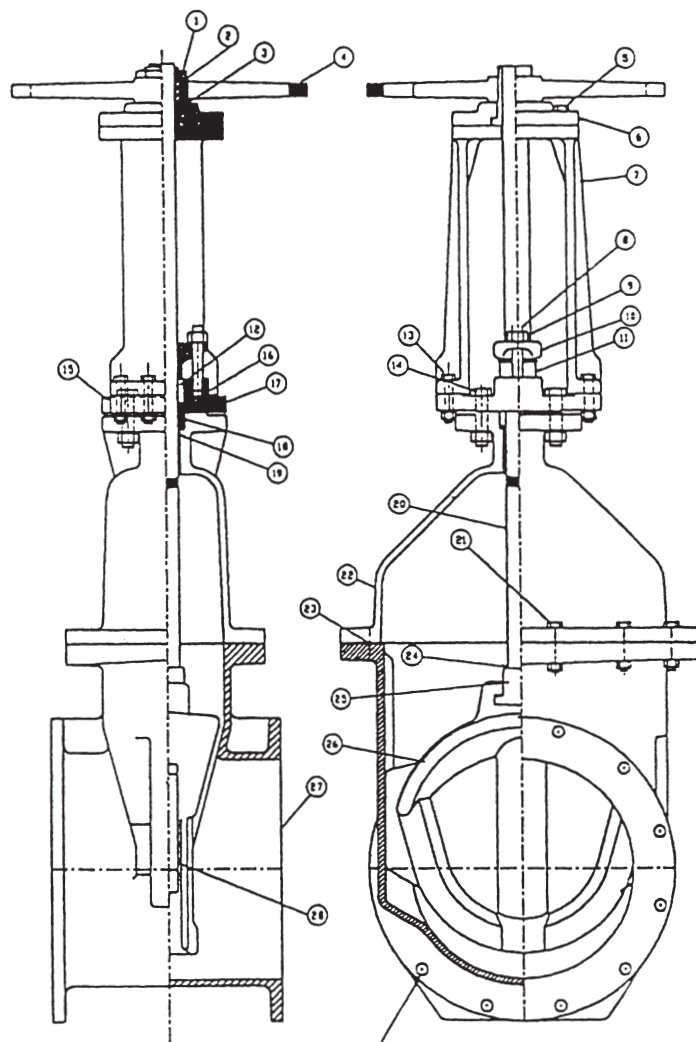
EACH SIZE ACCOMMODATES A FULL SIZE DIA TAPPING CUTTER

Complies with applicable
requirements of AWWA C515

14"-16" R/W VALVE OS&Y
MATERIAL LIST

CLOW VALVE COMPANY

MODEL 2638



Drilling per ANSI B16.1
Class 125

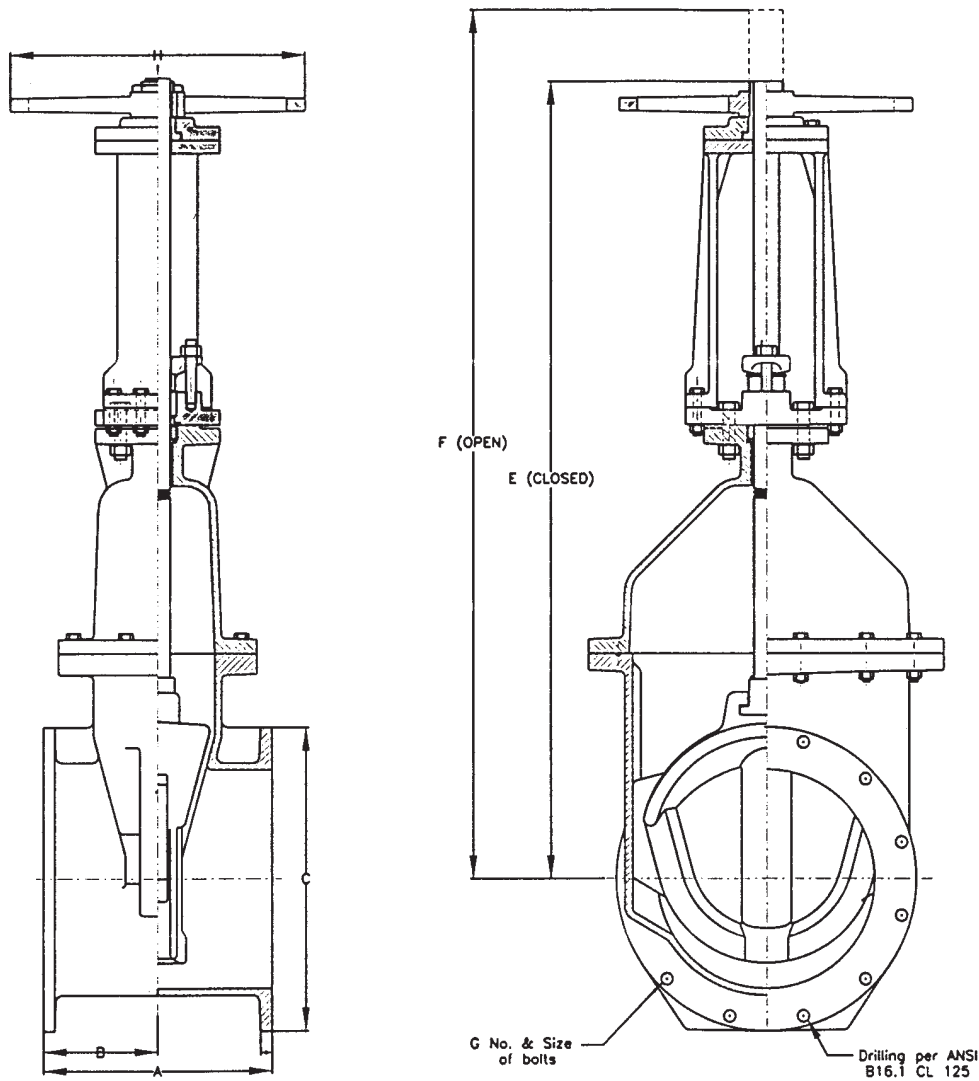
| DET. | NAME OF PART | MATERIAL | DET. | NAME OF PART | MATERIAL |
|------|---------------|---------------------|------|---------------|-----------------------|
| 1 | HOLD DOWN NUT | COPPER ALLOY | 15 | STUFING BOX | CAST IRON |
| 2 | KEY | STEEL | 16 | BUSHING-UPPER | COPPER ALLOY |
| 3 | TOP STEM NUT | COPPER ALLOY | 17 | GASKET | ACORAC |
| 4 | HANDWHEEL | CAST IRON | 18 | SPACER | COPPER ALLOY |
| 5 | CAPSCREW | 304 STAINLESS STEEL | 19 | BUSHING-LOWER | COPPER ALLOY |
| 6 | ADAPTER | CAST IRON | 20 | STEM | COPPER ALLOY |
| 7 | YOKE | CAST IRON | 21 | CAPSCREW&NUT | 304 STAINLESS STEEL |
| 8 | STUD | 304 STAINLESS STEEL | 22 | COVER | DUCTILE IRON |
| 9 | HEX NUT | COPPER ALLOY | 23 | O-RING-COVER | RUBBER |
| 10 | FOLLOWER | CAST IRON | 24 | O-RING-STEM | RUBBER |
| 11 | GLAND | COPPER ALLOY | 25 | STEM NUT | RUBBER |
| 12 | PACKING | BRAIDED POLYMER | 26 | WEDGE | DUCTILE IRON / RUBBER |
| 13 | CAPSCREW&NUT | 304 STAINLESS STEEL | 27 | BODY | DUCTILE IRON |
| 14 | CAPSCREW&NUT | 304 STAINLESS STEEL | 28 | WEDGE GAP | DELFIN |

Complies with applicable
requirements of AWWA C515

14"-16" R/W OS&Y VALVE FLANGED END
GENERAL DEMINSIONS

CLOW VALVE COMPANY

F-6136



| VALVE SIZE | A | B | C | D | E | F | G | H |
|---------------|----|----|-----|----|-----|-----|------|----|
| 14" | 15 | 7½ | 21 | 1⅝ | 59¾ | 74¾ | 12-1 | 22 |
| 16" | 16 | 8 | 23½ | 1⅞ | 59¾ | 74¾ | 16-1 | 22 |

4"-16" R/W VALVE UL/FM
Performance Information

CLOW VALVE COMPANY

MODEL 2638

1. Valve complies with AWWA specs where applicable.
2. Valve complies with Underwriters Laboratory standard UL 262.
3. Valve is rated at 200 psi working pressure.
4. Valve is bubble-tight at all pressures up to full rated pressure (200 psi).
5. Valve is capable of bubble-tight seal at twice the rated pressure (400 psi) for short periods of time.
6. 2" thru 6" valve sizes have been hydrostatically shell tested at five (5) times the rated pressure (1000 psi).
7. 8", 10", 12", 14", and 16" valve sizes have been hydrostatically shell tested at four (4) times the rated pressure (800)psi).
8. Valve has been subjected to torques 150 percent of the designated minimum required torques.
9. Valve has been cycle tested 5,000 times without loss of bubble-tight seal.
10. Rubber to iron bond on wedge is inspected for strength as per ASTM D 429 specification.

For complete data on the tests
Underwriters Laboratories performed
reference UL File EX2697
Project 87NK7353

4"-12" R/W VALVE AWWA SERVICE

Performance Information

CLOW VALVE COMPANY

MODEL 2638

1. Valve complies with AWWA C515 specs where applicable.
2. Valve is rated at 250 psi working pressure.
3. Valve is bubble-tight at all pressures up to full rated pressure (250 psi).
4. Valve is capable of bubble-tight seal at twice the rated pressure (500 psi) for short periods of time.
5. 2" thru 12" valve sizes have been hydrostatically shell tested at 2.5 times the rated pressure (625 psi).
6. Valve has been subjected to torques 150 percent of the designated minimum required torques.
7. Valve has been cycle tested 5,000 times without loss of bubble-tight seal.
8. Rubber to iron bond on wedge is inspected for strength as per ASTM D 429 specification.

14"-48" R/W VALVE AWWA SERVICE
Performance Information

CLOW VALVE COMPANY

MODEL 2638

1. Valve complies with AWWA C515 specs where applicable.
2. Valve is rated at 250 psi working pressure.
3. Valve is bubble-tight at all pressures up to full rated pressure (250 psi).
4. Valve is capable of bubble-tight seal at twice the rated pressure (500 psi) for short periods of time.
5. Valve has been subjected to torques 150 percent of the designated minimum required torques.
6. Valve has been cycle tested 5,000 times without loss of bubble-tight seal.
7. Rubber to iron bond on wedge is inspected for strength as per ASTM D 429 specification.

NOTE:

It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment.

**RECOMMENDED SPECIFICATIONS FOR
C-515 RESILIENT WEDGE GATE VALVES**

CLOW VALVE COMPANY

MODEL 2638

NOTE:

It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment.

Valves shall conform to the latest revision of AWWA Standard C-515 covering Resilient Wedge Gate Valves for Water Supply Service.

The valves shall have a ductile iron body, bonnet, and oring plate. The wedge shall be totally encapsulated with rubber.

The sealing rubber shall be permanently bonded to the wedge per ASTM D429.

Valves shall be supplied with oring seals at all pressure retaining joints. No flat gaskets shall be allowed.

The valves shall be either non-rising or rising stem, opening by turning left or right, and provided with 2" square operating nut or a handwheel with the word "Open" and an arrow to indicate the direction to open.

Stems for NRS assemblies shall be cast bronze with integral collars in full compliance with AWWA. OS&Y(rising stems) shall be of bronze. All stems shall operate with bronze stem nuts independent of wedge and of stem (in NRS valves). Stainless steel stems or stem nuts are not allowed. NRS stems shall have two orings located above thrust collar and one oring below. Stem orings shall be replaceable with valve fully open and subjected to full pressure. The NRS stems on 4"-12" shall also have two low torque thrust bearings located above and below the stem collar to reduce friction during operation.

Waterway shall be smooth, unobstructed and free of all pockets, cavities and depressions in the seat area. Valves 4" and larger shall accept a full size tapping cutter.

The body, bonnet, and oring plate shall be epoxy coated, both interior and exterior on body and bonnet. Epoxy shall be applied in accordance with AWWA C-550 and be NSF 61 certified.

Each valve shall have maker's name, pressure rating, and year in which it was manufactured cast in the body. Prior to shipment from the factory, each valve shall be tested by hydrostatic pressure equal to the requirements of AWWA C-515 (and ULFM where applicable).

Valves shall have all component parts cast and assembled in the USA and shall be manufactured by the Clow Valve Company.