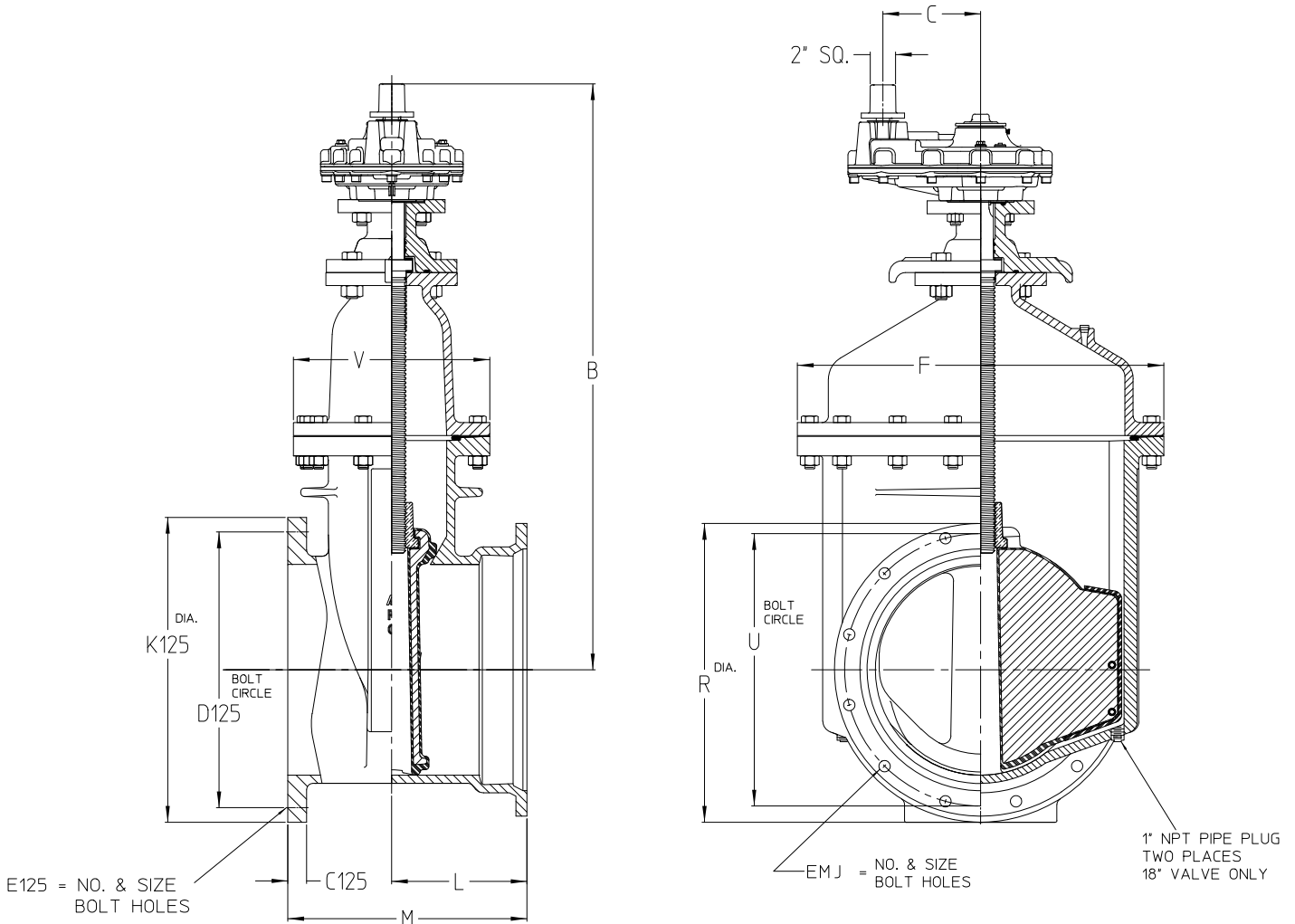


# AMERICAN Flow Control Submittal Information

## 14" - 18" SERIES 2500 RESILIENT WEDGE GATE VALVE

### NRS CLASS 125 FLANGED END X MECHANICAL JOINT END WITH SPUR GEAR ACTUATOR (FLG X MJ)



94-22511

Size	14"	16"	18"
B	40.68 - 42.00	44.18 - 45.50	50.06 - 51.38
C125	1.38	1.44	1.56
C	7.54 - 8.03	7.54 - 8.03	7.54 - 8.03
D125	18.75	21.25	22.75
E125	12 - 1.13	16 - 1.13	16 - 1.25
EMJ	10 - .88	12 - .88	12 - .88
F	26.00	28.25	32.00
K125	21.00	23.50	25.00
L	10.25	10.44	11.50
M	17.75	18.44	20.00
R	20.31	22.56	24.88
U	18.75	21.00	23.25
V	13.50	15.13	15.00
WMJ	20.50	20.88	23.00
Turns to Open	88	100	112
Weight	807 lbs.	980 lbs.	1239 lbs.



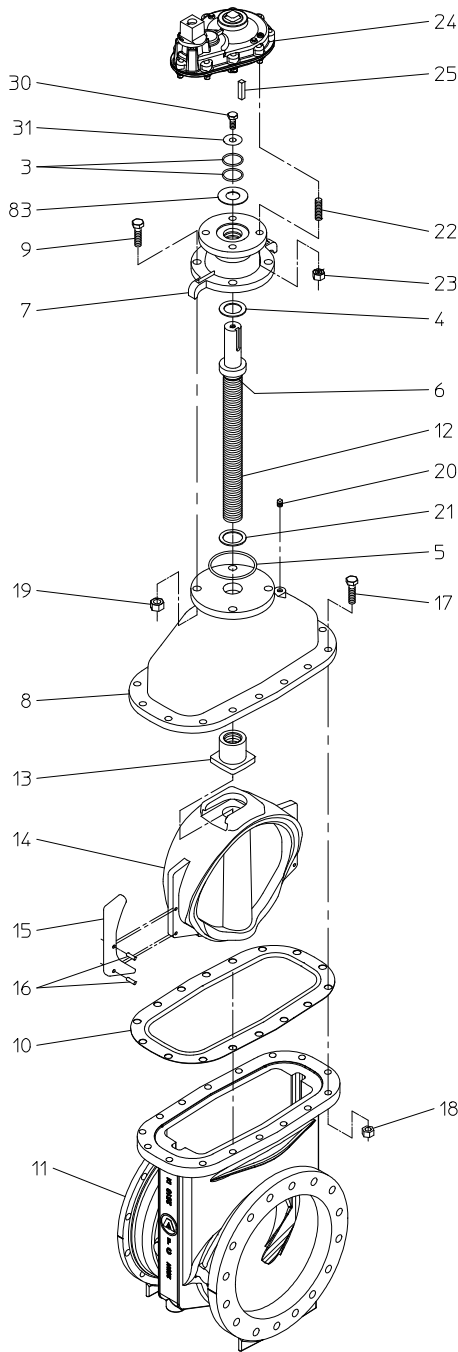
**AMERICAN**  
FLOW CONTROL

**THE RIGHT WAY**

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94-22512

Construction shown is typical of the 16-inch size with flange x mechanical joint end connections and is illustrative only. Construction of other sizes and end connection types vary slightly. See elsewhere on this drawing for specific details.

**NOTES:**

1. Bolt pattern of class 125 flanged end is in accordance with ANSI/AWWA C110/A21.10 (ASME B16.1 class 125).
2. Mechanical joint end is in accordance with ANSI/AWWA C111/A21.11.
3. Fusion-bonded epoxy coated in accordance with AWWA C550.
4. Certified to NSF/ANSI/CAN 61 & NSF/ANSI 372.
5. Meets requirements of AWWA C515 with rated working pressure of 250 psig.
6. Gearing provided may be AFC or Rotork as shown in Material.

Ref. No.	Description	Material
3	O-Ring	Rubber
4	Upper Thrust Washer	Delrin
5	Stuffing Box Gasket	Rubber O-Ring
6	O-Ring	Rubber
7	Stuffing Box	Ductile Iron ASTM A536
8	Bonnet	Ductile Iron ASTM A536
9	Hex Head Bolt	304 Stainless Steel
10	Throat Flange Gasket	Rubber
11	Valve Body	Ductile Iron ASTM A536
12	Stem	Manganese Bronze, ASTM B763, UNS C86700
13	Wedge Nut	Silicon Bronze, ASTM B584, UNS C87600
14	Resilient Wedge	EPDM Rubber Encapsulated Ductile Iron ASTM A536
15	Wedge Cover	Acetal Polymer
16	Wedge Cover Pin	Acetal Polymer
17	Hex Head Bolt	304 Stainless Steel
18	Hex Nut	304 Stainless Steel
19	Hex Nut	304 Stainless Steel
20	Pipe Plug	Stainless Steel
21	Lower Thrust Washer	Delrin
22	Stud	304 Stainless Steel
23	Hex Nut	304 Stainless Steel
24	Spur Gear Actuator Assembly	AFC or Rotork Gearing (2:1)
25	Key	Hardened Steel
30	Hex Head Bolt	Zinc Plated Steel
31	Washer	Steel
83	Actuator Gasket	Rubber

**OPTIONAL MATERIALS ARE AS FOLLOWS**

BOLTS and NUTS: 316 Stainless Steel  
 STEM: Cast NDZ-S Bronze, ASTM B763, UNS C99500  
 STEM: 304 Stainless Steel  
 STEM: 316 Stainless Steel

Open Direction  Left(C.C.W.)  Right(C.W.)



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