

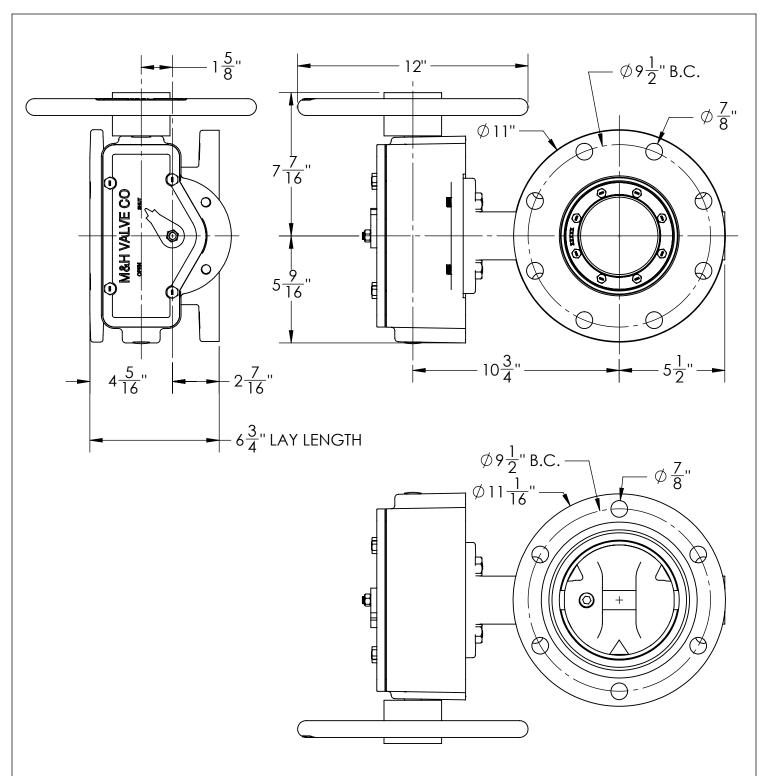
- 1. FLOW MAY BE IN EITHER DIRECTION
- 2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 REQUIREMENTS
- 3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
- 4. 29 NUMBER OF TURNS TO CLOSE
- 5. (8) 3/4" BOLTS ON FLANGED SIDE (NO THREADED HOLES)
- 6. (6) 3/4" BOLTS ON MJ SIDE
- 7. OPERATED BY 2" AWWA OPERATING NUT/WRENCH NUT
- 8. RATED AND TESTED FOR 150psi WORKING PRESSURE
- 9. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

**M&H VALVE COMPANY** 

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202

CTJ DRAWN: **DATE:** 7/1/2020 DWG. NO. BD06-X1-M11-000

6" - Style 4500 - CL150 BFV with F/A 12 MSS/ISO Connection Flanged x MJ Ends **Buried Operator - OPEN LEFT** 



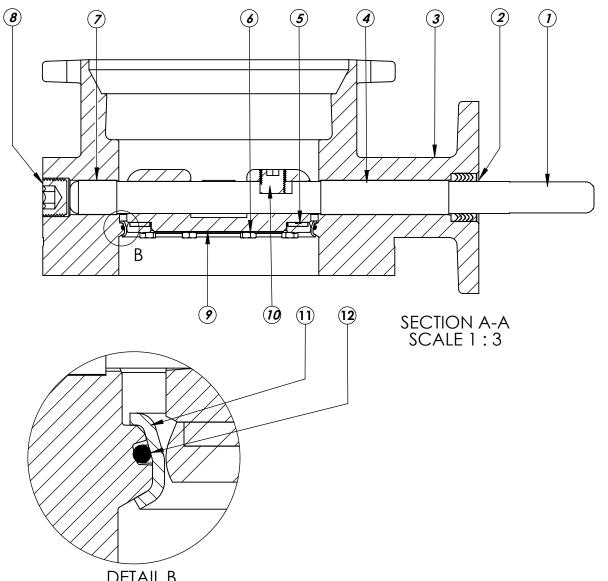
- 1. FLOW MAY BE IN EITHER DIRECTION
- VALVE SHAFT WILL MEET OR EXCEED AWWA C504 REQUIREMENTS
- 2. 3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
- 29 NUMBER OF TURNS TO CLOSE
- 5. (8) 3/4" BOLTS ON FLANGED SIDE (NO THREADED HOLES)
- (6) 3/4" BOLTS ON MJ SIDE
- 7. OPERATED BY 12" HANDWHEEL
- RATED AND TESTED FOR 150psi WORKING PRESSURE
- GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

**M&H VALVE COMPANY** 

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202

CTJ DRAWN: **DATE:** 7/1/2020 DWG. NO. BD06-X1-M31-000

6" - Style 4500 - CL150 BFV with F/A 12 MSS/ISO Connection Flanged x MJ Ends **HANDWHEEL Operator - OPEN LEFT** 



DETAIL B SCALE 2:1

ITEM NO.	DESCRIPTION	MATERIAL
1	VANE SHAFT	304 STAINLESS STEEL, ASTM A-276
2	V-RING PACKING SET	EPDM, BUNA-N
3	BFV BODY	DUCTILE IRON ASTM A-536
4	UPPER JOURNAL BEARING	NYLATRON
5	VANE SEAT RING	EPT with SS INSERT
6	HEX HEAD CAPSCREW	18-8 STAINLESS STEEL with NYLOC PATCH
7	LOWER JOURNAL BEARING	NYLATRON
8	BFV BODY END PLUG	STEEL
9	BFV VANE	DUCTILE IRON ASTM A-536
10	VANE SHAFT TORQUE PLUG	18-8 STAINLESS STEEL
11	BODY SEAT RING	316 STAINLESS STEEL
12	BODY SEAT O-RING	BUNA-N

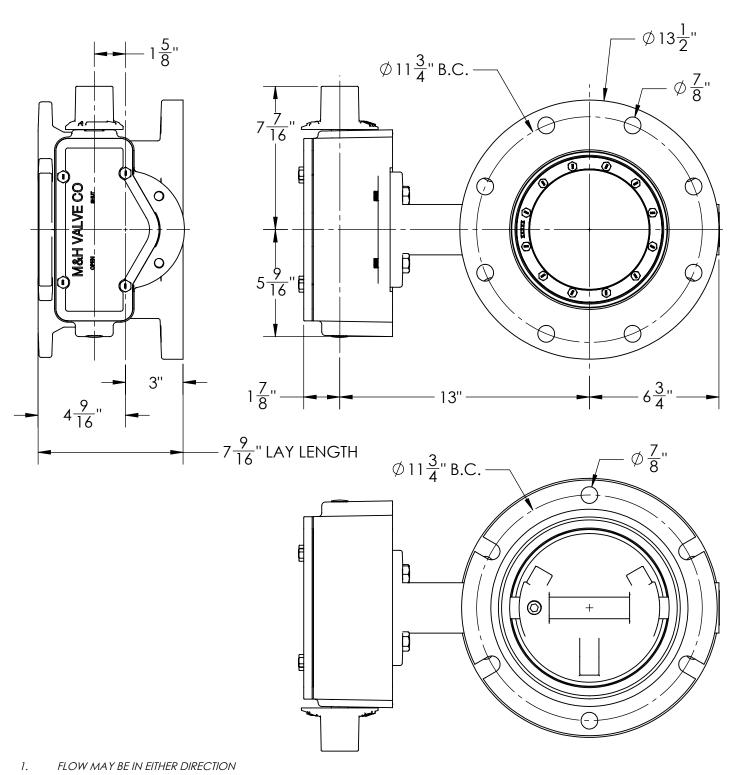
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**M&H VALVE COMPANY** 

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202

**DRAWN:** ZF DATE: 1/6/17 B06XBB11 6" AWWA C504 - Style 4500 - CL150 BFV with F/A 12 MSS/ISO Connection Sub-Assembly - Material List FMJ ENDS



- 2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 REQUIREMENTS
- 3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
- 4. 29 TURNS TO CLOSE5. (8) 3/4" BOLTS ON FL
- 5. (8) 3/4" BOLTS ON FLANGED END (NO THREADED HOLES)
- 6. (6) 3/4" BOLTS ON MJ SIDE
- 7. OPERATED BY 2" AWWA OPERATING NUT/WRENCH NUT
- 8. RATED AND TESTED FOR 150psi WORKING PRESSURE
- 9. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED

WITH VALVE WHEN SPECIFIED ON ORDER



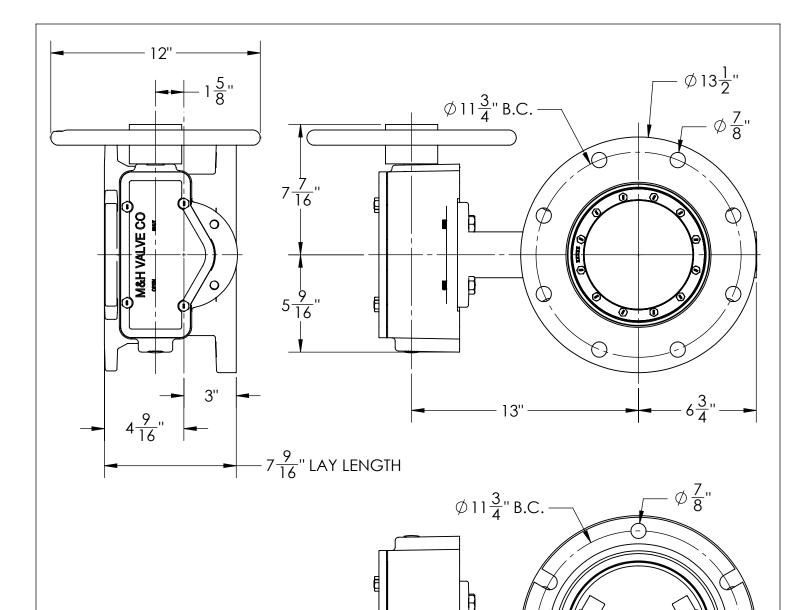
## **M&H VALVE COMPANY**

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202 
 DRAWN:
 CTJ

 DATE:
 7/2/2020

 DWG. NO.
 BD08-X1-M11-000

8" - Style 4500 - CL150 BFV with F/A 12 MSS/ISO Connection MECHANICAL JOINT x FLANGED ENDS Buried Operator - OPEN LEFT



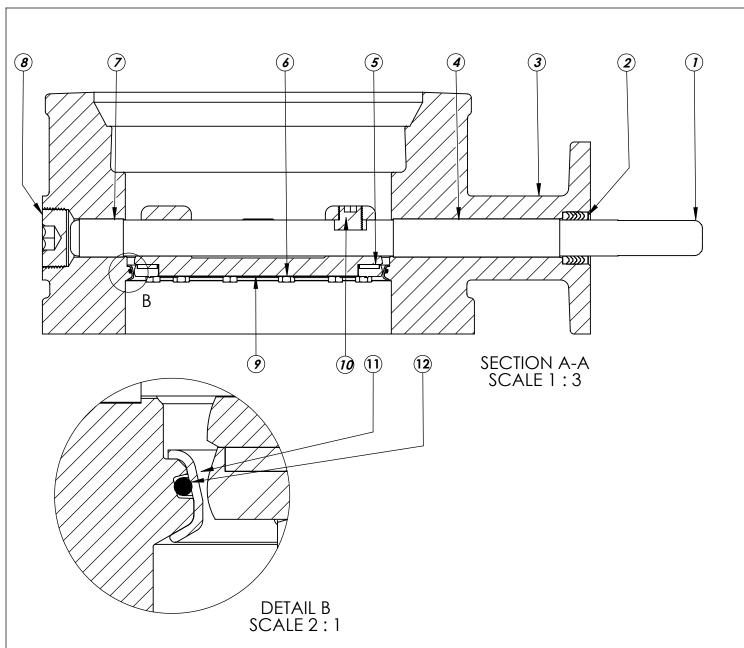
- 1. FLOW MAY BE IN EITHER DIRECTION
- 2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 REQUIREMENTS
- 3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
- 4. 29 TURNS TO CLOSE
- 5. (8) 3/4" BOLTS ON FLANGED END (NO THREADED HOLES)
- 6. (6) 3/4" BOLTS ON MJ SIDE
- 7. OPERATED BY 12" HANDWHEEL
- 8. RATED AND TESTED FOR 150psi WORKING PRESSURE
- 9. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

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**M&H VALVE COMPANY** 

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202 DRAWN: CTJ
DATE: 7/2/2020
DWG. NO.
BD08-X1-M31-000

8" - Style 4500 - CL150 BFV with F/A 12 MSS/ISO Connection MECHANICAL JOINT x FLANGED ENDS HANDWHEEL Operator - OPEN LEFT



ITEM NO.	DESCRIPTION	MATERIAL
1	VANE SHAFT	304 STAINLESS STEEL, ASTM A-276
2	V-RING PACKING SET	EPDM, BUNA-N
3	BFV BODY	DUCTILE IRON ASTM A-536
4	UPPER JOURNAL BEARING	NYLATRON
5	VANE SEAT RING	EPT with SS INSERT
6	HEX HEAD CAPSCREW	18-8 STAINLESS STEEL with NYLOC PATCH
7	LOWER JOURNAL BEARING	NYLATRON
8	BFV BODY END PLUG	STEEL
9	BFV VANE	DUCTILE IRON ASTM A-536
10	VANE SHAFT TORQUE PLUG	18-8 STAINLESS STEEL
11	BODY SEAT RING	316 STAINLESS STEEL
12	BODY SEAT O-RING	BUNA-N

(MH)

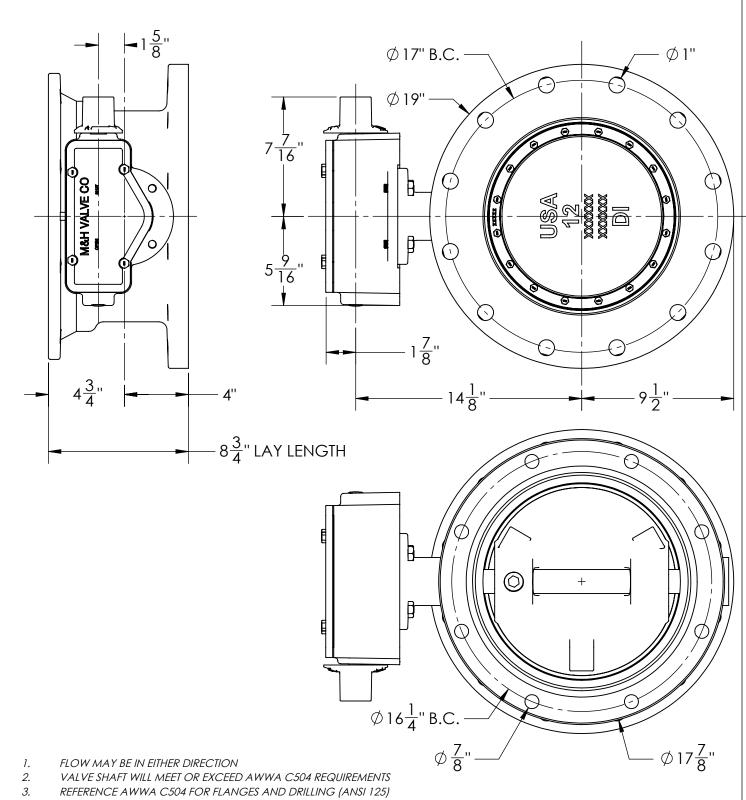
**M&H VALVE COMPANY** 

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202 DRAWN: ZF

DATE: 1/9/17

DWG.
NO. BO8XBB11

8" AWWA C504 - Style 4500 - CL150 BFV with F/A 12 MSS/ISO Connection Sub-Assembly - Material List FMJ ENDS



- 4. 29 TURNS TO CLOSE
- 5. (12) 7/8" BOLTS FOR FLANGED SIDE (NO THREADED HOLES)
- 6. (8) 3/4" BOLTS FOR MECHANICAL JOINT SIDE
- 7. OPERATED BY 2" AWWA OPERATING NUT / WRENCH NUT
- 8. RATED AND TESTED FOR 150psi WORKING PRESSURE
- 9. GASKET, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

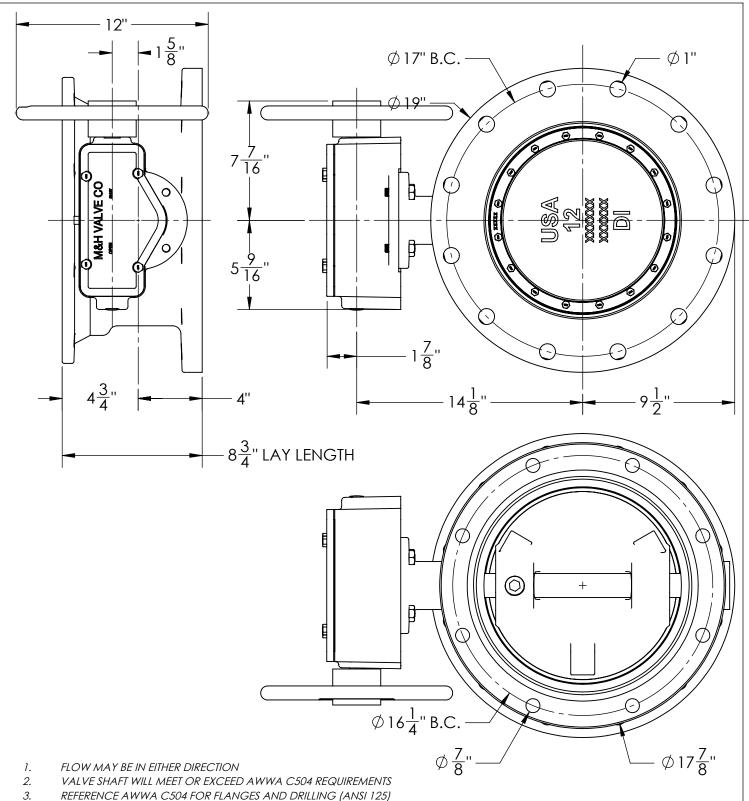
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M&H VALVE COMPANY

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202 **DRAWN:** CTJ **DATE:** 7/2/2020 **DWG. NO.** BD12-X1-M11-000

12" - Style 4500 BFV - CL150 F/A12 MSS/ISO Connection MECHANICAL JOINT x FLANGED ENDS Buried Operator - Open Left



- REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
- 29 TURNS TO CLOSE 4.
- (12) 7/8" BOLTS FOR FLANGED SIDE (NO THREADED HOLES)
- (8) 3/4" BOLTS FOR MECHANICAL JOINT SIDE 6.
- 7. OPERATED BY 12" HANDWHEEL
- 8. RATED AND TESTED FOR 150psi WORKING PRESSURE
- GASKET, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

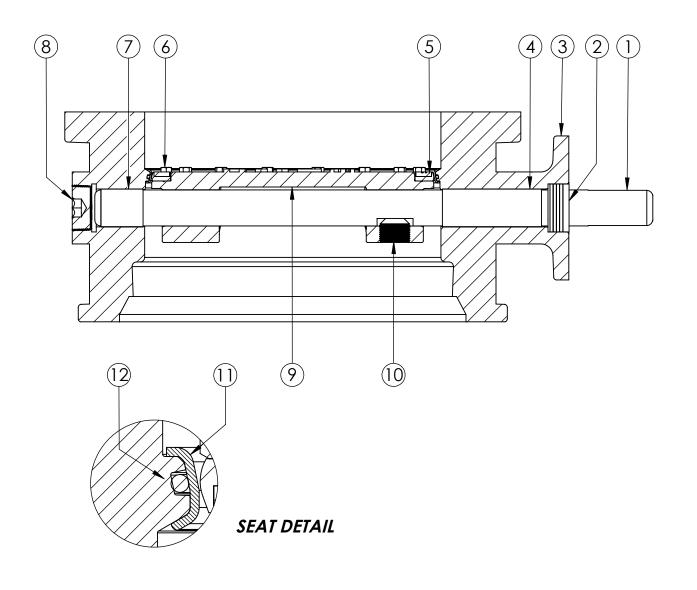
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M&H VALVE COMPANY

A DIVISION OF MCWANE INC P.O. BOX 2088 ANNISTON, ALABAMA 36202 DRAWN: CTJ DATE: 7/2/2020 DWG. NO. BD12-X1-M31-000

12" - Style 4500 BFV - CL150 F/A12 MSS/ISO Connection **MECHANICAL JOINT x FLANGED ENDS HANDWHEEL Operator - Open Left** 



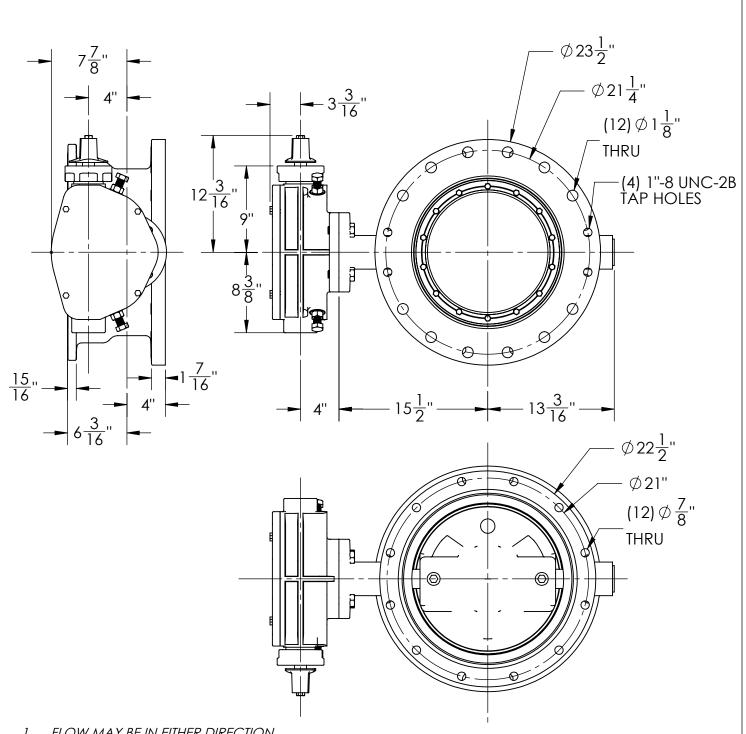
ITEM NO.	DESCRIPTION	MATERIAL
1	VANE SHAFT	304 STAINLESS STEEL, ASTM A-276
2	V-RING PACKING SET	EPDM, BUNA-N
3	BFV BODY	DUCTILE IRON ASTM A-536
4	UPPER JOURNAL BEARING	NYLATRON
5	VANE SEAT RING	EPT with SS INSERT
6	HEX HEAD CAPSCREW	18-8 STAINLESS STEEL with NYLOC PATCH
7	LOWER JOURNAL BEARING	NYLATRON
8	BFV BODY END PLUG	STEEL
9	BFV VANE	DUCTILE IRON ASTM A-536
10	VANE SHAFT TORQUE PLUG	18-8 STAINLESS STEEL
11	BODY SEAT RING	316 STAINLESS STEEL
12	BODY SEAT O-RING	BUNA-N

(MH)

## **M&H VALVE COMPANY**

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202 **DRAWN:** CTJ **DATE:** 8/10/2018 **DWG. NO.**B12XBB11

12" AWWA C504 - Style 4500 - CL150 BFV with F/A 12 MSS/ISO Connection Sub-Assembly - Material List FLANGED by MECHANICAL JOINT



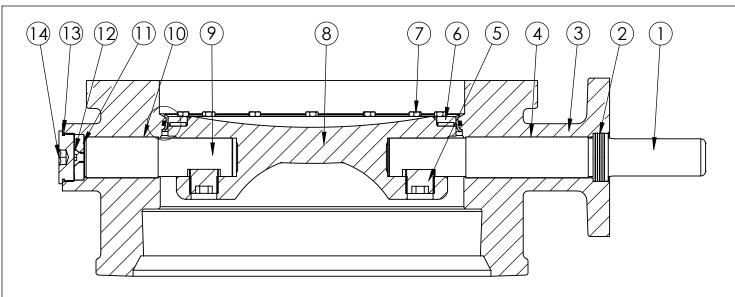
- FLOW MAY BE IN EITHER DIRECTION
- VALVE SHAFT WILL MEET OR EXCEED AWWA C504 STANDARDS
- 48 TURNS TO CLOSE
- 16 BOLTS ON FLANGE SIDE, 12 ON MJ SIDE
- 1" DIA. BOLTS FOR FLANGED SIDE, 3/4" DIA. BOLTS FOR MJ SIDE
- OPERATED BY 2" AWWA OPERATING NUT/WRENCH NUT
- 7. RATED AND TESTED FOR 150psi WORKING PRESSURE
- GASKETS, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER
- WEIGHT OF VALVE IS 450 LBS.

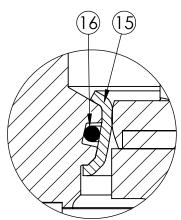
**M&H VALVE COMPANY** 

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202

CTJ DRAWN: 11/26/2018 DATE: NO. B16XAM11

16" - Style 4500 - CL150 BFV with F/A16 MSS/ISO Connection-FE x FE ENDS - Buried Operator





## **SEAT DETAIL**

ITEM NO.	DESCRIPTION	MATERIAL
1	OPERATOR SHAFT	304 STAINLESS STEEL, ASTM A-276
2	V-RING PACKING SET	EPDM, BUNA-N
3	BFV BODY	DUCTILE IRON ASTM A-536
4	UPPER JOURNAL BEARING	FIBER & REINFORCED TEFLON
5	TORQUE PLUG	304 STAINLESS STEEL, ASTM A-276
6	VANE SEAT RING	EPT W/ STAINLESS STEEL INSERT
7	HEX HEAD CAP SCREW	18-8 STAINLESS STEEL W/ NYLOC PATCH
8	BFV VANE	DUCTILE IRON ASTM A-276
9	THRUST SHAFT	304 STAINLESS STEEL, ASTM A-276
10	LOWER JOURNAL BEARING	FIBER & REINFORCED TEFLON
11	THRUST BEARING	BRONZE ALLOY
12	THRUST BEARING CAP SCREW	18-8 STAINLESS STEEL
13	BODY END PLUG O-RING	BUNA-N
14	BODY END PLUG	STEEL
15	BODY SEAT RING	316 STAINLESS STEEL
16	BODY SEAT O-RING	BUNA-N

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M&H VALVE COMPANY

A DIVISION OF MCWANE INC. P.O. BOX 2088 ANNISTON, ALABAMA 36202 DRAWN: ZF

DATE: 8/31/2018

DWG.
NO.

B16XBB11

16" AWWA C504 - STYLE 4500 - CL150 BFV w/ F/A16 MSS/ISO CONNECTION SUB-ASSEMBLY - MATERIAL LIST FMJ ENDS