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<td>630 STAINLESS STEEL, ASTM A-564</td>
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<tr>
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<td>V-RING PACKING SET</td>
<td>EPDM, BUNA-N</td>
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<tr>
<td>3</td>
<td>BFV BODY</td>
<td>DUCTILE IRON, ASTM A-536</td>
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<tr>
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<td>EPT W/ SS INSERT</td>
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<td>COMMERCIAL STEEL</td>
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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. (4) 3/4" BOLTS ON EACH FLANGE
6. OPERATED BY 2" AWWA OPERATING NUT / WRENCH NUT
7. RATED FOR 250psi WORKING PRESSURE
8. 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 2388
ANNISTON, ALABAMA 36202

DRAWN: CTJ
DATE: 6/30/2020
Dwg. No. BD04-M3-M11-000

4" Style 4500 - RATED CL250
BFV with F/A 12 MSS/ISO Connection
Buried Operator OPEN LEFT
MJ End Connection

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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. (4) 3/4" BOLTS ON EACH FLANGE  
6. OPERATED BY 12" HANDWHEEL  
7. RATED FOR 250psi WORKING PRESSURE  
8. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER
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. 4 BOLTS ON EACH FLANGE
5. 3/4" DIAMETER OF BOLTS
6. RATED FOR 250psi WORKING PRESSURE
7. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

SHAT/KYEWAY DIM.

4" AWWA C504 - STYLE 4500
RATED CL250
BFV W/ F/A 12 MSS/ISO Connection
MECHANICAL JOINT ENDS - BARE STEM
## Sub-Assembly - Material List

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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. (6) 3/4" BOLTS ON EACH FLANGE
6. OPERATED BY 2" AWWA OPERATING NUT/WRENCH NUT
7. RATED AND TESTED FOR 250psi WORKING PRESSURE
8. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER
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   WITH VALVE WHEN SPECIFIED ON ORDER

6" - Style 4500 - RATED CL250
BFV with F/A 12 MSS/ISO Connection
MJ ENDS
HANDWHEEL 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. 8 BOLTS ON EACH FLANGE
5. Ø 7/8" BOLTS
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7. RATED AND TESTED FOR 250psi WORKING PRESSURE
8. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

8" - Style 4500 BFV - CL250
F/A 12 MSS/ISO Connection
MECHANICAL JOINT ENDS
Buried Operator - OPEN LEFT

M&H VALVE COMPANY
A DIVISION OF McWANE INC.
P.O. BOX 2088
ANNISTON, ALABAMA 36202
1. FLOW MAY BE IN EITHER DIRECTION
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4. 6 BOLTS ON EACH FLANGE
5. Ø 3/4" BOLTS
6. RATED AND TESTED FOR 250psi WORKING PRESSURE
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5. (8) 3/4" BOLTS ON EACH FLANGE
6. OPERATED BY 2" AWWA OPERATING NUT / WRENCH NUT
7. RATED AND TESTED FOR 250psi WORKING PRESSURE

10" - Style 4500 BFV - RATED CL250
F/A 12 MSS/ISO Connection
MECHANICAL JOINT ENDS
BURIED Operator - OPEN LEFT
1. FLOW MAY BE IN EITHER DIRECTION
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3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
4. 29 TURNS TO CLOSE
5. (8) 3/4" BOLTS ON EACH FLANGE
6. OPERATED BY 12" HANDWHEEL
7. RATED AND TESTED FOR 250psi WORKING PRESSURE

M&H VALVE COMPANY
A DIVISION OF McWANE INC.
P.O. BOX 2088
ANNISTON, ALABAMA 36202

MH

10" - Style 4500 BFV - RATED CL250
F/A 12 MSS/ISO Connection
MECHANICAL JOINT ENDS
HANDWHEEL Operator - OPEN LEFT

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3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
4. 8 BOLTS ON EACH FLANGE
5. 3/4" DIAMETER OF BOLTS
6. RATED AND TESTED FOR 250psi WORKING PRESSURE
7. GASKETS, GLANDS AND BOLTS FOR MECHANICAL JOINTS 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: 7/25/2019
Dwg. No.: BD10-M3-B01-000

10" - STYLE 4500 BFV - RATED CL250
w/ F/A12 MSS/ISO CONNECTION
MECHANICAL JOINT ENDS - BARE STEM
<table>
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4. 29Turns to close
5. (8) 3/4" BOLTS ON EACH FLANGE
6. OPERATED BY 2" AWWA OPERATING NUT / WRENCH NUT
7. RATED AND TESTED FOR 250psi WORKING PRESSURE
8. GASKETS, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

12" - Style 4500 BFV - RATED CL250 F/A12 MSS/ISO Connection MECHANICAL JOINT ENDS Buried Operator - Open Left
FLOW MAY BE IN EITHER DIRECTION

VALVE SHAFT WILL MEET OR EXCEED AWWA C504 REQUIREMENTS

REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)

29 TURNS TO CLOSE

(8) 3/4" BOLTS ON EACH FLANGE

OPERATED BY 12" HANDWHEEL

RATED AND TESTED FOR 250psi WORKING PRESSURE

GASKETS, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER
1. FLOW MAY BE IN EITHER DIRECTION
2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 REQUIREMENTS
3. 29 TURNS TO CLOSE
4. 8 BOLTS ON EACH FLANGE
5. 3/4" DIAMETER BOLTS
6. RATED AND TESTED FOR 250psi WORKING PRESSURE
7. GASKETS, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER

12" - STYLE 4500 - RATED CL250
BFV w/ F/A12 MSS/ISO CONNECTION
FLANGED ENDS - BARE STEM w/ SEAL PLATE
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3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
4. 48 TURNS TO CLOSE
5. 12 BOLTS ON EACH FLANGE
6. 3/4" DIA. OF BOLTS
7. OPERATED BY 2" AWWA OPERATING NUT/WRENCH NUT
8. RATED AND TESTED FOR 250 psi 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: 7/25/2019

BD14-M3-M11-000
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3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
4. 48 TURNS TO CLOSE
5. 12 BOLTS ON EACH FLANGE
6. 3/4" DIA. OF BOLTS
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M&H VALVE COMPANY
A DIVISION OF McWANE INC.
P.O. BOX 2888
ANNISTON, ALABAMA 36202

14" - STYLE 4500 - RATED CL250
BFV w/ F/A16 MSS/ISO CONNECTION
MECHANICAL JOINT ENDS - BARE STEM

DRAWN: CTJ
DATE: 7/25/2019
DWG. NO. BD14-M3-B01-000
ITEM NO. | DESCRIPTION | MATERIAL
--- | --- | ---
1 | OPERATOR SHAFT | 630 STAINLESS STEEL, ASTM A-564
2 | V-RING PACKING SET | EPDM, BUNA-N
3 | BFV BODY | DUCTILE IRON ASTM A-536
4 | UPPER JOURNAL BEARING | FIBER & REINFORCED TEFLOON
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 TEFLOON
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
17 | ISO FA16 SEAL PLATE | COMMERCIAL STEEL

M&H Valve Company
A DIVISION OF McWane Inc.
P.O. BOX 288
ANNISTON, ALABAMA 36202

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DRAWN: CTJ
DATE: 7/25/2019
DWG NO.: BB16-M3-B01-000

16" AWWA C504 - STYLE 4500 - RATED CL250
BFV w/ F/A16 MSS/ISO CONNECTION
SUB-ASSEMBLY - MATERIAL LIST
MECHANICAL JOINT ENDS
1. FLOW MAY BE IN EITHER DIRECTION
2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 STANDARDS
3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
4. 48 TURNS TO CLOSE
5. 12 BOLTS ON EACH FLANGE
6. 3/4" DIA. OF BOLTS
7. OPERATED BY 2" AWWA OPERATING NUT/WRENCH NUT
8. RATED AND TESTED FOR 250psi 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: 7/25/2019
DWG. NO.
BD16-M3-M11-000

16" - STYLE 4500 - RATED CL250
BFV WITH F/A 16 MSS/ISO CONNECTION
MECHANICAL JOINT
BURIED OPERATOR
1. FLOW MAY BE IN EITHER DIRECTION
2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 STANDARDS
3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
4. 48 TURNS TO CLOSE
5. 12 BOLTS ON EACH FLANGE
6. 3/4" DIA. OF BOLTS
7. OPERATED BY 18" HANDWHEEL
8. RATED AND TESTED FOR 250 psi WORKING PRESSURE
9. GASKETS, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER
1. FLOW MAY BE IN EITHER DIRECTION
2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 STANDARDS
3. REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
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FLOW MAY BE IN EITHER DIRECTION
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REFERENCE AWWA C504 FOR FLANGES AND DRILLING (ANSI 125)
12 BOLTS ON EACH FLANGE
3/4" DIA. OF BOLTS
RATED AND TESTED FOR 250psi WORKING PRESSURE
GASKETS, GLANDS, AND BOLTS FOR MECHANICAL JOINT FURNISHED WITH VALVE WHEN SPECIFIED ON ORDER
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14 | BODY END PLUG | STEEL
15 | BODY SEAT RING | 316 STAINLESS STEEL
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8. RATED AND TESTED FOR 250psi WORKING PRESSURE
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   WHEN SPECIFIED ON ORDERS
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18" - Style 4500 - RATED CL250
BFV with F/A16 MSS/ISO Connection-
MECHANICAL JOINT ENDS
Handwheel Operator
FLOW MAY BE IN EITHER DIRECTION
2. VALVE SHAFT WILL MEET OR EXCEED AWWA C504 STANDARDS
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7. GASKETS, GLANDS, & BOLTS FOR MECH. JOINT FURNISHED w/ VALVE
   WHEN SPECIFIED ON ORDERS

18" - Style 4500 - RATED CL250
BFV with F/A16 MSS/ISO Connection
MECHANICAL JOINT ENDS
BARESTEM
### SEAT DETAIL

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