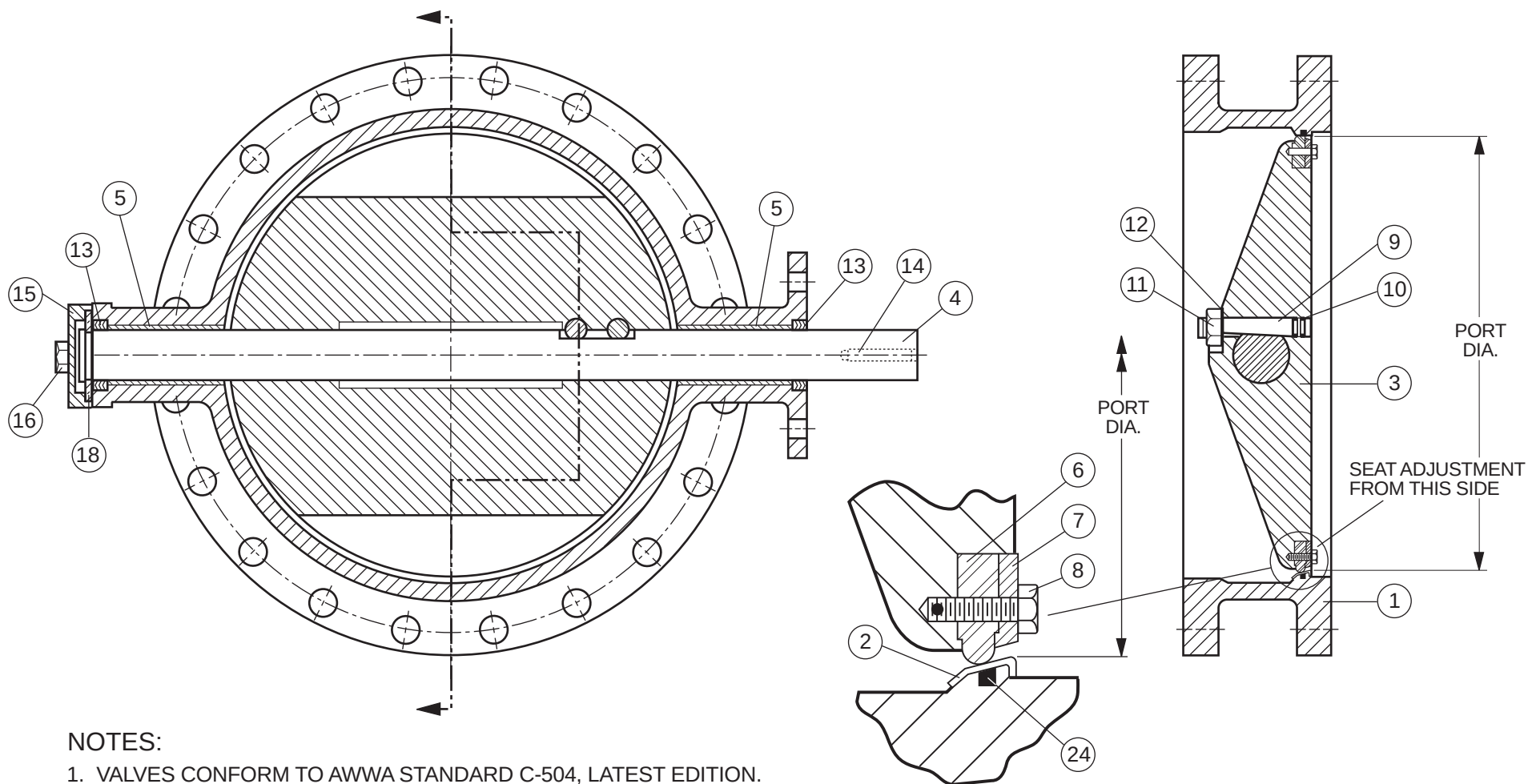




NOTES:

1. VALVES CONFORM TO AWWA STANDARD C-504, LATEST EDITION.
2. SEE DRAWING VM-2004-M FOR STANDARD MATERIALS OF CONSTRUCTION.

VALVE SIZE	3	4	6	8	10	12	14	16	18	20	24
PORT DIA.	3.72	3.72	5.62	7.61	9.55	11.60	13.58	15.61	17.58	19.50	23.46

Revised 11-24-09

3" - 24" BUTTERFLY VALVE CONSTRUCTION

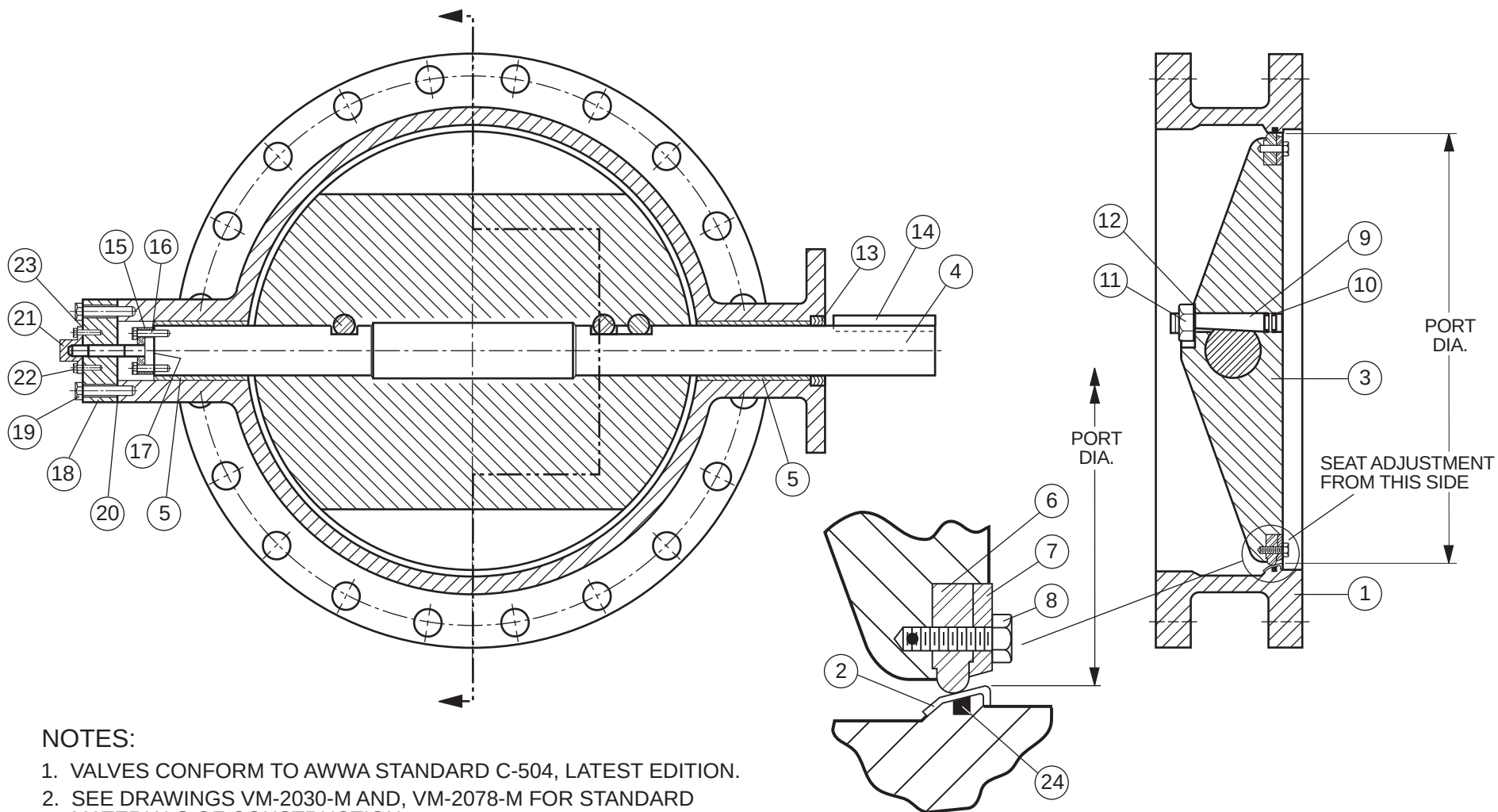
DATE 6-7-99

VAL-MATIC®

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-2004



NOTES:

1. VALVES CONFORM TO AWWA STANDARD C-504, LATEST EDITION.
2. SEE DRAWINGS VM-2030-M AND, VM-2078-M FOR STANDARD MATERIALS OF CONSTRUCTION.

VALVE SIZE	30	36	42	48	54	60	66	72	78	84	90	96	102	108	120
PORT DIA.	29.40	35.35	41.29	47.26	53.16	59.18	65.15	71.06	75.82	81.82	87.82	93.80	99.80	105.80	117.80

Revised 11-24-09

30 - 120 INCH BUTTERFLY VALVE CONSTRUCTION

DATE 6-9-99

VAL-MATIC®

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-2030

BUTTERFLY VALVE

3"- 24" AWWA CLASS 150B AND 250B SERIES 2000

STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY (CLASS 150B) BODY (CLASS 250B)	CAST IRON ASTM A126, CLASS B DUCTILE IRON ASTM A536, GRADE 65-45-12
2	BODY SEAT	STAINLESS STEEL ASTM A276, T316
3	DISC	DUCTILE IRON ASTM A536, GRADE 65-45-12
4	SHAFT (CLASS 150B) SHAFT (CLASS 250B)	STAINLESS STEEL ASTM A276, T304 STAINLESS STEEL ASTM A564, T630 , H1150
5	SLEEVE BEARING	NYLATRON
6	RESILIENT SEAT	BUNA-N
7	SEAT RETAINING RING	STAINLESS STEEL ASTM A743, GRADE CF8M
8	LOCKING CAP SCREWS	STAINLESS STEEL ASTM F593, T316 WITH NYLON PELLET
9	TAPER PIN	STAINLESS STEEL ASTM A582, T416
10	TAPER PIN O-RING	EPDM
11	TAPER PIN NUT	STAINLESS STEEL ASTM F594, T316
12	TAPER PIN WASHER	STAINLESS STEEL ASTM A276, T316
13	PACKING, V-TYPE	BUNA-N
14	KEY	CARBON STEEL
15	THRUST BEARING CAP	CAST IRON ASTM A126, CLASS B
16	CAP SCREWS	CARBON STEEL, ZINC PLATED
18	THRUST BEARING	BRONZE ASTM 763, ALLOY C99500
24	BODY O-RING	RESILIENT, ASTM D2000

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

Revised 5-11-17

MATERIALS OF CONSTRUCTION

DATE 6-7-99



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-2004-M

BUTTERFLY VALVE

30"- 72" SERIES 2000

STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY (CLASS 150B) BODY (CLASS 250B)	CAST IRON ASTM A126, CLASS B DUCTILE IRON ASTM A536, GRADE 65-45-12
2	BODY SEAT	STAINLESS STEEL ASTM A276, T316
3	DISC	DUCTILE IRON ASTM A536, GRADE 65-45-12
4	SHAFT (CLASS 150B) SHAFT (CLASS 250B)	STAINLESS STEEL ASTM A276, T304 STAINLESS STEEL ASTM A564, T630, H1150
5	SLEEVE BEARING	TEFLON LINED, FIBERGLASS BACKED
6	RESILIENT SEAT	BUNA-N
7	SEAT RETAINING RING	STAINLESS STEEL ASTM A743, GRADE CF8M
8	LOCKING CAP SCREWS	STAINLESS STEEL ASTM F593, T316 WITH NYLON PELLET
9	TAPER PIN	STAINLESS STEEL ASTM A582, T416
10	TAPER PIN O-RING	EPDM
11	TAPER PIN NUT	STAINLESS STEEL ASTM F594, T316
12	TAPER PIN WASHER	STAINLESS STEEL ASTM A276, T316
13	PACKING, V-TYPE	BUNA-N
14	KEY	CARBON STEEL
15	THRUST BEARING CAP	BRONZE ASTM B763, ALLOY C99500
16	CAP SCREWS	STAINLESS STEEL ASTM A276, T316
17	THRUST BEARING STUD	BRONZE ASTM B763, ALLOY C99500
18	THRUST PLATE	CAST IRON ASTM A126, CLASS B
19	THRUST PLATE BOLTS	CARBON STEEL (ZINC PLATED)
20	THRUST PLATE GASKET	NON-ASBESTOS COMPRESSED FIBER
21	LOCK CAP	CAST IRON ASTM A126, CLASS B
22	LOCK CAP BOLTS	CARBON STEEL (ZINC PLATED)
23	LOCK CAP GASKET	COMPRESSED NON-ASBESTOS FIBER
24	BODY O-RING	RESILIENT, ASTM D2000

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

Revised 5-16-17

MATERIALS OF CONSTRUCTION

DATE 6-7-99



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-2030-M

BUTTERFLY VALVE

78"- 120" SERIES 2000

STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY (CLASS 150B)	DUCTILE IRON ASTM A536, GRADE 65-45-12
2	BODY SEAT	STAINLESS STEEL ASTM A276, T316
3	DISC	DUCTILE IRON ASTM A536, GRADE 65-45-12
4	SHAFT (CLASS 150B)	STAINLESS STEEL ASTM A564, T630, H1150
5	SLEEVE BEARING	TEFLON LINED, FIBERGLASS BACKED
6	RESILIENT SEAT	BUNA-N
7	SEAT RETAINING RING	STAINLESS STEEL ASTM A743, GRADE CF8M
8	LOCKING CAP SCREWS	STAINLESS STEEL ASTM F593, T316 WITH NYLON PELLET
9	TAPER PIN	STAINLESS STEEL ASTM A582, T416
10	TAPER PIN O-RING	BUNA-N
11	TAPER PIN NUT	STAINLESS STEEL ASTM F594, T316
12	TAPER PIN WASHER	STAINLESS STEEL ASTM A276, T316
13	PACKING, V-TYPE	BUNA-N
14	KEY	CARBON STEEL
15	THRUST BEARING CAP	BRONZE ASTM B763, ALLOY C99400
16	CAP SCREWS	STAINLESS STEEL ASTM A276, T316
17	THRUST BEARING STUD	BRONZE ASTM B763, ALLOY C99500
18	THRUST PLATE	DUCTILE IRON ASTM A536, GRADE 65-45-12
19	THRUST PLATE BOLTS	CARBON STEEL (ZINC PLATED)
20	THRUST PLATE GASKET	NON-ASBESTOS COMPRESSED FIBER
21	LOCK CAP	CAST IRON ASTM A126, CLASS B
22	LOCK CAP BOLTS	CARBON STEEL (ZINC PLATED)
23	LOCK CAP GASKET	COMPRESSED NON-ASBESTOS FIBER
24	BODY O-RING	RESILIENT, ASTM D2000

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

Revised 5-16-17

MATERIALS OF CONSTRUCTION

DATE 6/19/07



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-2078-M

BUTTERFLY VALVE

3"- 24" AWWA CLASS 150B SERIES 2000SV

STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY	DUCTILE IRON ASTM A536, GRADE 65-45-12 (INTERIOR/EXTERIOR FUSION BONDED EPOXY)
2	BODY SEAT	STAINLESS STEEL ASTM A276, T316
3	DISC	DUCTILE IRON ASTM A536, GRADE 65-45-12 (INTERIOR/EXTERIOR FUSION BONDED EPOXY)
4	SHAFT	STAINLESS STEEL ASTM A276, T304
5	SLEEVE BEARING	NYLATRON
6	RESILIENT SEAT	EPDM
7	SEAT RETAINING RING	STAINLESS STEEL ASTM A743, GRADE CF8M
8	LOCKING CAP SCREWS	STAINLESS STEEL ASTM F593, T316 WITH NYLON PELLET
9	TAPER PIN	STAINLESS STEEL ASTM A582, T416
10	TAPER PIN O-RING	EPDM
11	TAPER PIN NUT	STAINLESS STEEL ASTM F594, T316
12	TAPER PIN WASHER	STAINLESS STEEL ASTM A276, T316
13	PACKING, V-TYPE	BUNA-N
14	KEY	CARBON STEEL
15	THRUST BEARING CAP	CAST IRON ASTM A126, CLASS B
16	CAP SCREWS	STAINLESS STEEL ASTM F593, T316
18	THRUST BEARING	BRONZE ASTM 763, ALLOY C99500
24	BODY O-RING	RESILIENT, ASTM D2000

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

Revised 5-15-17

MATERIALS OF CONSTRUCTION

DATE 10-5-11



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-2004SV-M

BUTTERFLY VALVE

30"- 72" AWWA CLASS 150B SERIES 2000SV

STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY	DUCTILE IRON ASTM A536, GRADE 65-45-12 (INTERIOR/EXTERIOR FUSION BONDED EPOXY)
2	BODY SEAT	STAINLESS STEEL ASTM A276, T316
3	DISC	DUCTILE IRON ASTM A536, GRADE 65-45-12 (INTERIOR/EXTERIOR FUSION BONDED EPOXY)
4	SHAFT	STAINLESS STEEL ASTM A276, T304
5	SLEEVE BEARING	TEFLON-LINED, FIBERGLASS-BACKED
6	RESILIENT SEAT	EPDM
7	SEAT RETAINING RING	STAINLESS STEEL ASTM A743, GRADE CF8M
8	LOCKING CAP SCREWS	STAINLESS STEEL ASTM F593, T316 WITH NYLON PELLET
9	TAPER PIN	STAINLESS STEEL ASTM A582, T416
10	TAPER PIN O-RING	EPDM
11	TAPER PIN NUT	STAINLESS STEEL ASTM F594, T316
12	TAPER PIN WASHER	STAINLESS STEEL ASTM A276, T316
13	PACKING, V-TYPE	BUNA-N
14	KEY	CARBON STEEL
15	THRUST BEARING CAP	BRONZE ASTM B763, ALLOY C99500
16	CAP SCREWS	STAINLESS STEEL ASTM A276, T316
17	THRUST BEARING STUD	BRONZE ASTM B763, ALLOY C99500
18	THRUST PLATE	CAST IRON ASTM A126, CLASS B
19	THRUST PLATE BOLTS	STAINLESS STEEL ASTM F593, T316
20	THRUST PLATE GASKET	NON-ASBESTOS COMPRESSED FIBER
21	LOCK CAP	CAST IRON ASTM A126, CLASS B
22	LOCK CAP BOLTS	STAINLESS STEEL ASTM F593, T316
23	LOCK CAP GASKET	COMPRESSED NON-ASBESTOS FIBER
24	BODY O-RING	RESILIENT, ASTM D2000

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

Revised 5-16-17

MATERIALS OF CONSTRUCTION

DATE 10-5-11



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-2030SV-M