DUAL DISC® CHECK VALVE

2"-12" STANDARD MATERIALS OF CONSTRUCTION

PART NO.	PART NAME	MATERIAL
1	BODY	DUCTILE IRON ASTM A536, GRADE 65-45-12 W/ BUNA-N RESILENT SEAT MOLDED TO BODY
2	DISC	BRONZE ASTM B584, ALLOY C83600
3	TORSION SPRING	STAINLESS STEEL T316, ASTM A313
4	HINGE PIN	STAINLESS STEEL T316, ASTM A276
5	STOP PIN	STAINLESS STEEL T316, ASTM A276
6	THRUST BEARING	STAINLESS STEEL T316, ASTM A240
7	HINGE PIN RETAINER	STAINLESS STEEL T316
8	STOP PIN RETAINER	STAINLESS STEEL T316
9	STABILIZATION SPHERE	BUNA-N
10	SPACER	STAINLESS STEEL T316, ASTM A276

NOTE: ALL SPECIFICATIONS AS LAST REVISED.
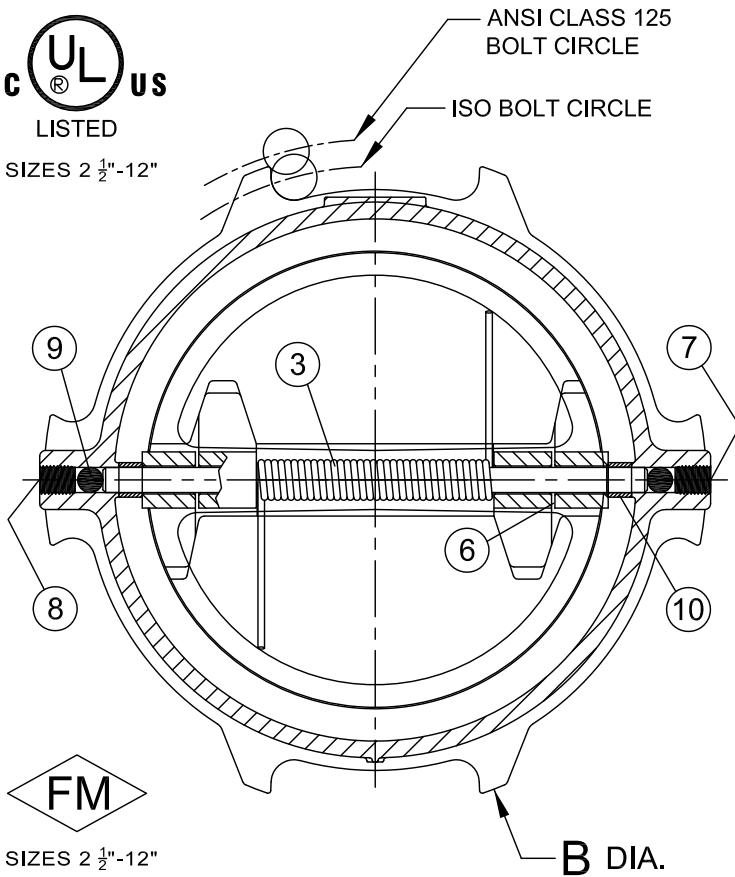
Revised 4-24-12

MATERIALS OF CONSTRUCTION

DATE 1/21/03

DRWG. NO.

VM-8802W-M

VAL-MATIC®

VALVE AND MANUFACTURING CORP.

c(UL)us LISTED
SIZES 2½"-12"

— ANSI CLASS 125 BOLT CIRCLE
— ISO BOLT CIRCLE

FM
SIZES 2½"-12"

B DIA.

C A

E MINIMUM COMPANION FLANGE BORE

D
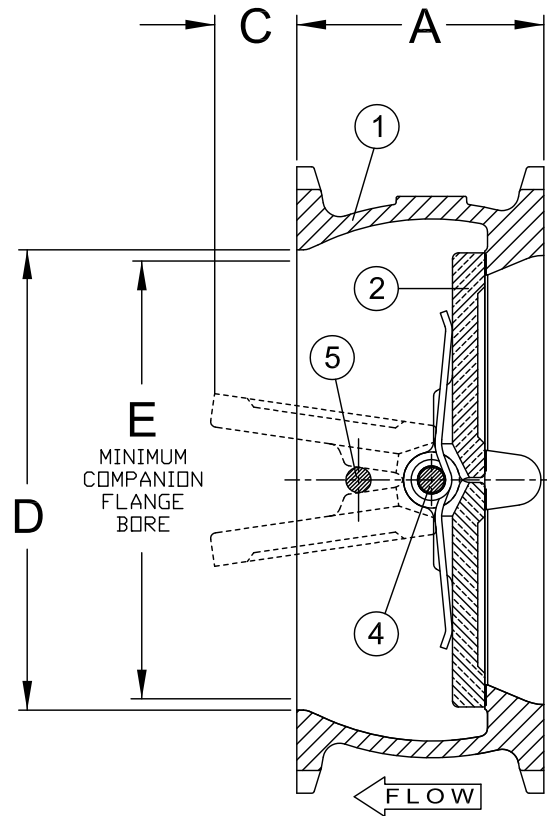
FLOW

1	BODY	6	DISC THRUST BEARING
2	DISC	7	HINGE PIN RETAINER
3	TORSION SPRING	8	STOP PIN RETAINER
4	DISC HINGE PIN	9	STABILIZATION SPHERE
5	DISC STOP PIN	10	SPACER

VAL-MATIC DUAL DISC CHECK VALVES CAN BE USED FOR HORIZONTAL FLOW OR VERTICAL FLOW-UP APPLICATIONS ONLY.

CAUTION: FOR HORIZONTAL FLOW APPLICATIONS, VALVE MUST BE INSTALLED WITH THE DISC HINGE PIN IN THE VERTICAL POSITION.

SEE DRAWING NO. VM-8802W-M FOR 2"-12" STANDARD MATERIALS OF CONSTRUCTION.

FOR AIR SERVICE APPLICATIONS, SEE DRAWING NO.VM-8902W.

SIZES 10" & 12" FURNISHED WITH LIFTING EYEBOLT.

DRAWING DEPICTS 10" VALVE SIZE TO SCALE.

ANSI CLASS 125 ISO PN10 / PN16						
VALVE SIZE	MODEL NO.	A	B	C	D	E
2	8802WN	2.13	5.13	——	2.88	——
21/2	8825W	2.38	6.00	0.13	3.50	1.31
3	8803W	2.63	5.63	0.18	3.88	1.69
4	8804W	2.63	7.75	0.63	4.75	3.06
5	8805W	3.25	7.56	0.81	5.50	3.63
6	8806W	3.75	8.63	0.81	6.25	4.25
8	8808W	5.00	12.25	1.00	8.00	5.50
10	8810W	5.50	14.75	2.06	10.25	8.50
12	8812W	7.12	17.38	1.94	12.00	9.25

ANSI PRESSURE -TEMPERATURE RATING	
TEMP. °F.	MAXIMUM NON-SHOCK PRESSURE PSI
	DUCTILE IRON CONSTRUCTION
150°	250
200°	235
250°	220
HYDROSTATIC TEST PRESSURE	500

Revised 3-9-11

WAFER STYLE DUAL DISC® CHECK VALVE

DATE 2-16-11

DRWG. NO. VMC-8802W

VAL-MATIC VALVE AND MANUFACTURING CORP.