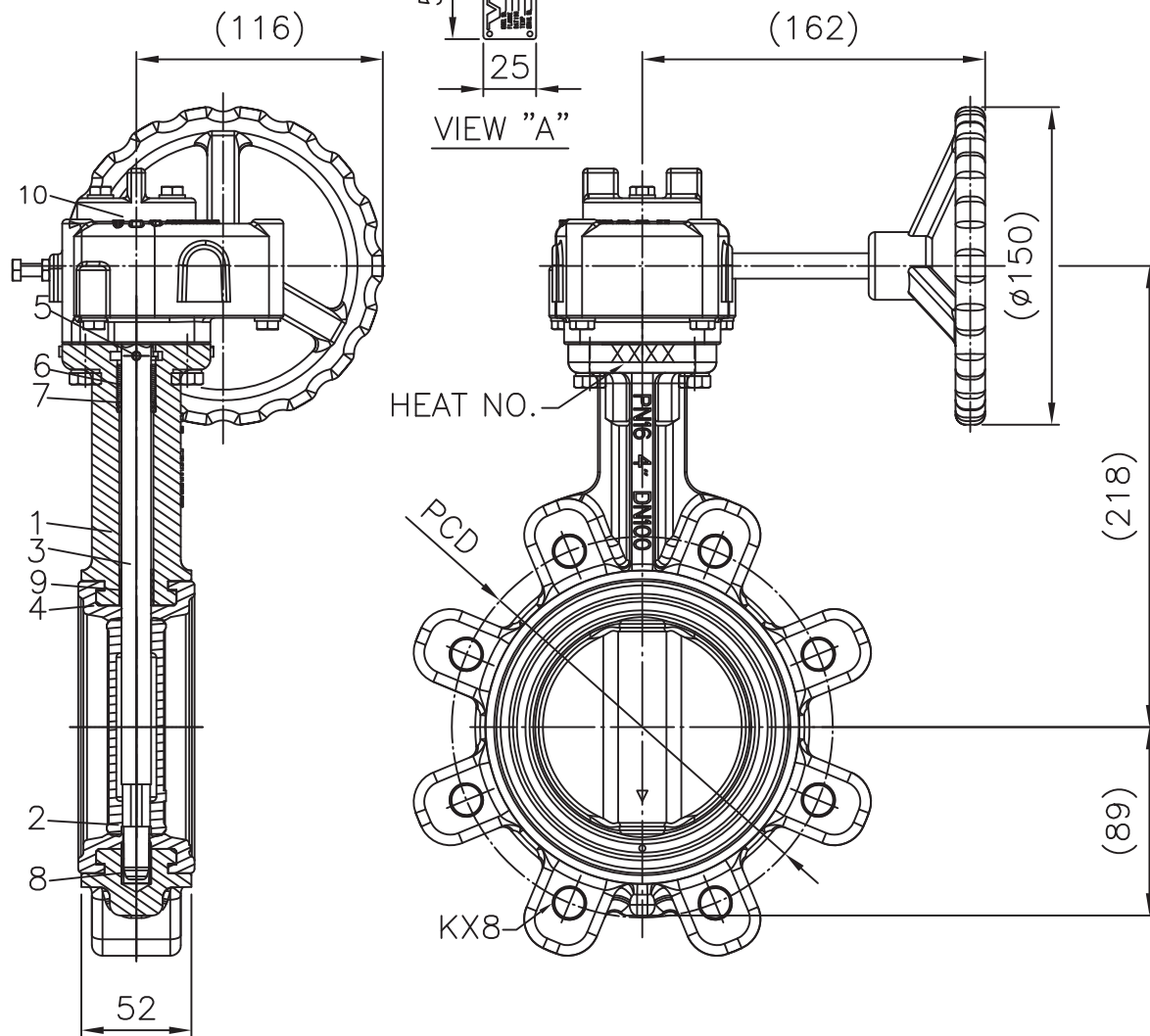


REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 10.9 kg

FLANGE	PCD	K	FLANGE	PCD	K
PN10	180	M16	JIS 10K	175	M16
PN16	180	M16	JIS 16K	185	M20
			JIS 20K	185	M20

FLANGE	PCD	K
ASME B16.5 CLASS 150	190.5	5/8"-11UNC
BS10 Table E	177.8	5/8"-11UNC

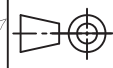
MATERIAL TABLE(ASTM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 +NYLON 11	NBR	A182 F6A
A126-B	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		

10	GEAR BOX(C07)	1	ASTM A126-B
9	BUSH	1	RPTFE+A240 304
8	BUSH	1	ASTM B62
7	O-RING	2	NBR
6	BUSH	1	DELIN
5	PIN	1	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	1	
2	DISC	1	
1	BODY	1	
ITEM NO.	PART NAME	Q'TY	MATERIAL



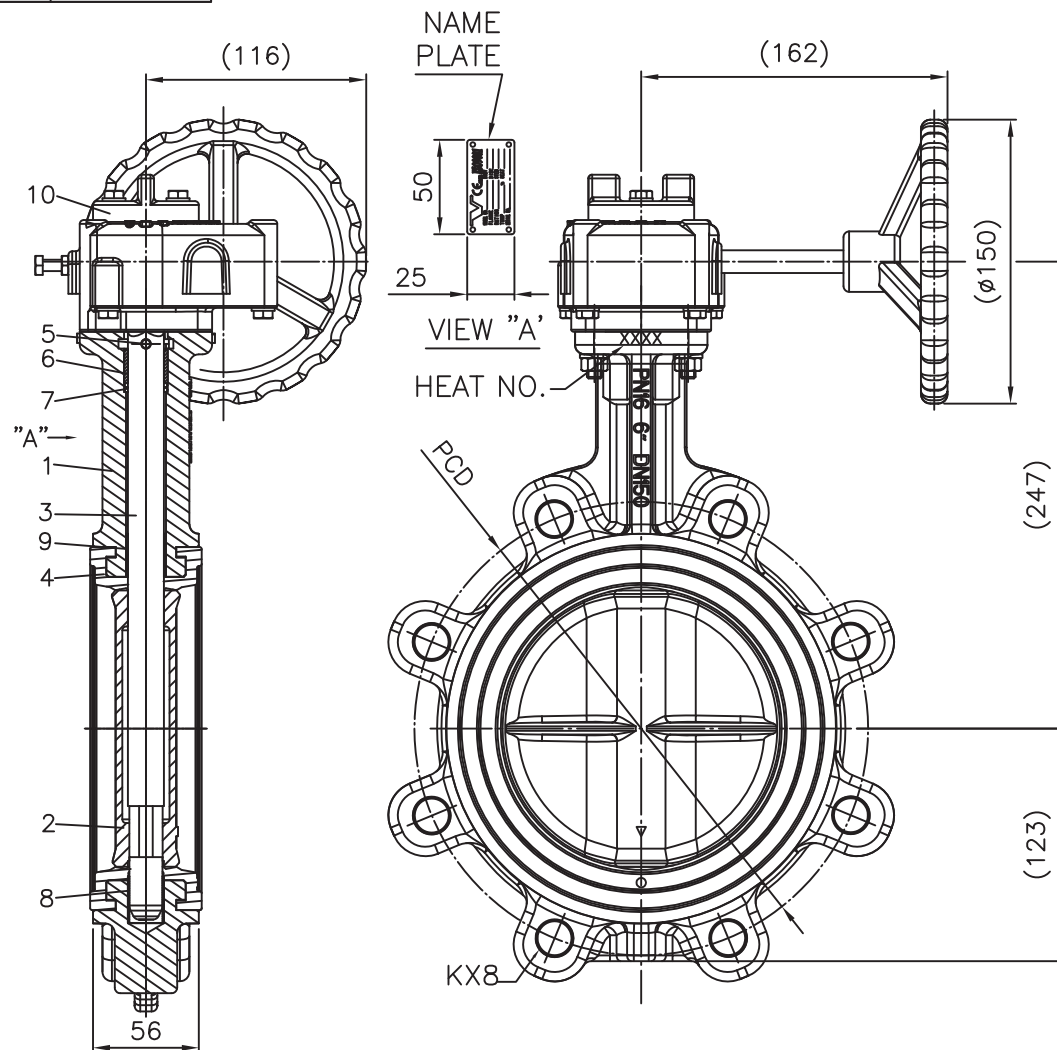
VALUE VALVES CO., LTD.
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www.bvcusa.com, 817-421-5343

DESN BY	CHK BY	AUTH BY	ISSUE DATE	2009.03.07
POCKY 2009.03.07		GRANT 2009.03.07	MATERIAL	
			SCALE	1/3
			UNIT	m/m



VF-733 BUTTERFLY VALVE			
4.0" - 100mm GEAR OPERATED			
SIZE A4	DRAWING NO	S733010FG01C	REV 1

REFER DIMENSIONS	TOLERANCE
0~400	± 2
400~800	± 3
800 ↑	± 4



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 12.8 kg

FLANGE	PCD	K	FLANGE	PCD	K
PN10	240	M20	JIS 10K	240	M20
PN16	240	M20			

FLANGE	PCD	K
ASME B16.5 CLASS 150	241.3	3/4"-10UNC
BS10 Table E	235	3/4"-10UNC

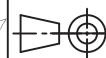
MATERIAL TABLE (ASTM)			
BODY	DISC	SEAT	STEM
A536-65 45-12	A536-65-45-12 A395+NYLON 11	NBR EPDM	A182 F6A A182 F304
	A351 CF8 A351 CF8M	CR	A182 F316
	B148 C95400		

10	GEAR BOX (C07)	1	ASTM A126-B
9	BUSH	1	RPTFE+A240 304
8	BUSH	1	ASTM B62
7	O-RING	2	NBR
6	BUSH	1	DELIN
5	PIN	1	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	1	
2	DISC	1	
1	BODY	1	
ITEM NO.	PART NAME	Q'TY	MATERIAL



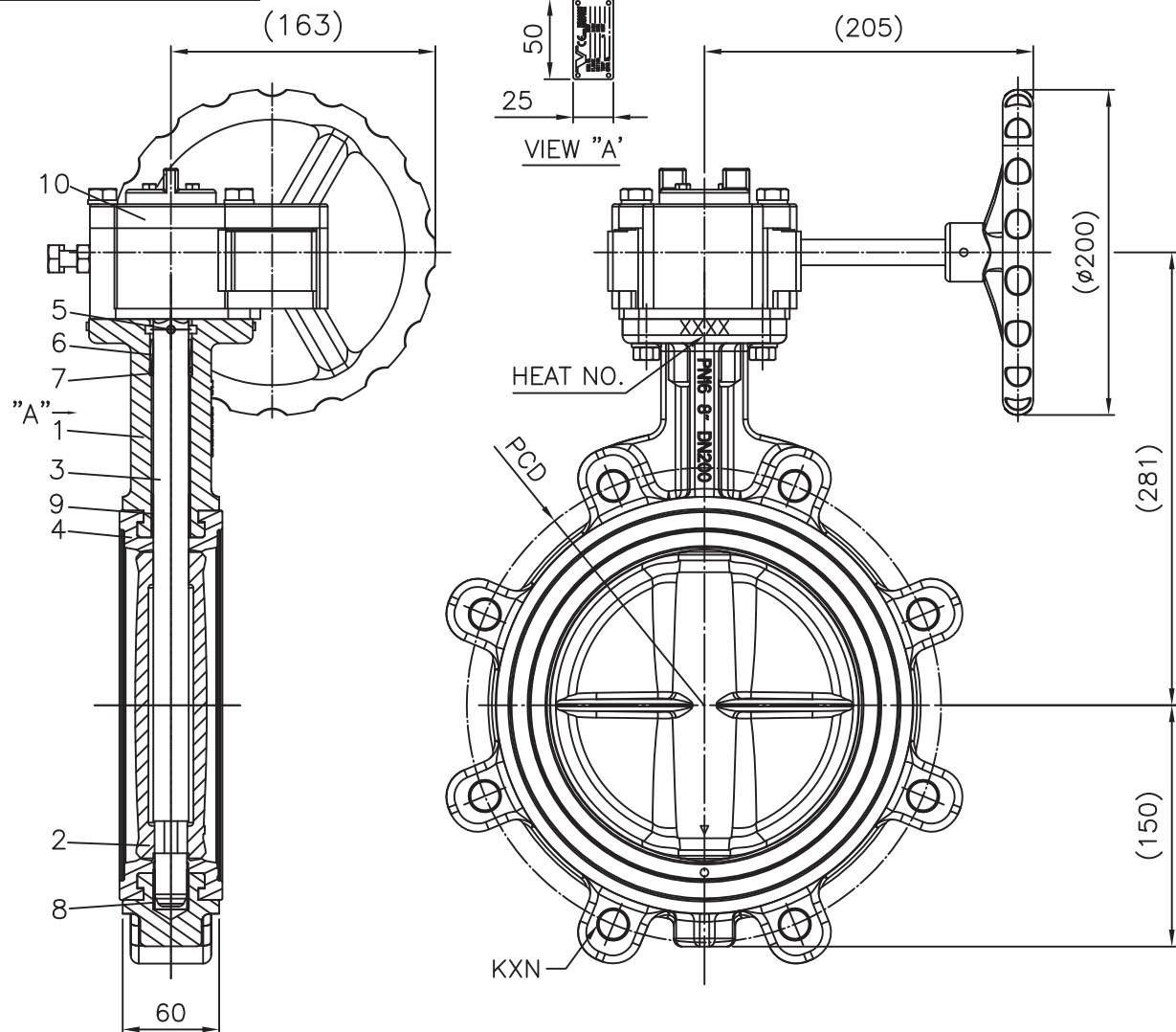
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DESN BY	CHK BY	AUTH BY	ISSUE DATE	2009.03.07
POCKY 2009.03.07		GRANT 2009.03.07	MATERIAL	
			SCALE	1/3.5
			UNIT	m/m



VF-733 BUTTERFLY VALVE			
6.0" - ø150mm GEAR OPERATED			
SIZE A4	DRAWING NO	S733015FG01C	REV
			1

REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 18.4
Water
kg

FLANGE	PCD	K	N
PN10	295	M20	8

FLANGE	PCD	K	N
ASME B16.5 CLASS 150	298.5	3/4"-10UNC	8
BS10 Table E	292.1	3/4"-10UNC	8

MATERIAL TABLE(ASTM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 + NYLON 11	NBR	A182 F6A
	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		

10	GEAR BOX(C10)	1	ASTM A126-B
9	BUSH	1	RPTFE+A240 304
8	BUSH	1	ASTM B62
7	O-RING	2	NBR
6	BUSH	1	DELIN
5	PIN	1	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	1	
2	DISC	1	
1	BODY	1	
ITEM NO.	PART NAME	Q'TY	MATERIAL



VALUE VALVES CO., LTD.
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DESN BY	CHK BY	AUTH BY	ISSUE DATE	2011.06.15
POCKY		STONE	MATERIAL	
2011.06.15		2011.06.15		
			SCALE	1/4.5
			UNIT	m/m

VF-733 BUTTERFLY VALVE			
8.0" - Ø200mm GEAR OPERATED			
SIZE A4	DRAWING NO	S733020FG02C	REV
			1

(163)

10

5

6

7

"A" →

1

3

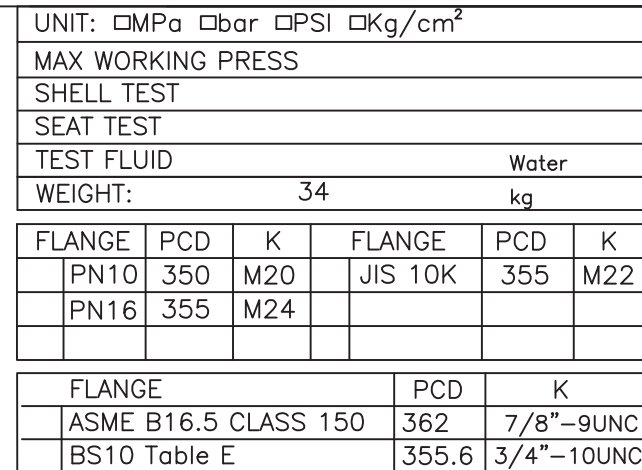
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4

2

8

68

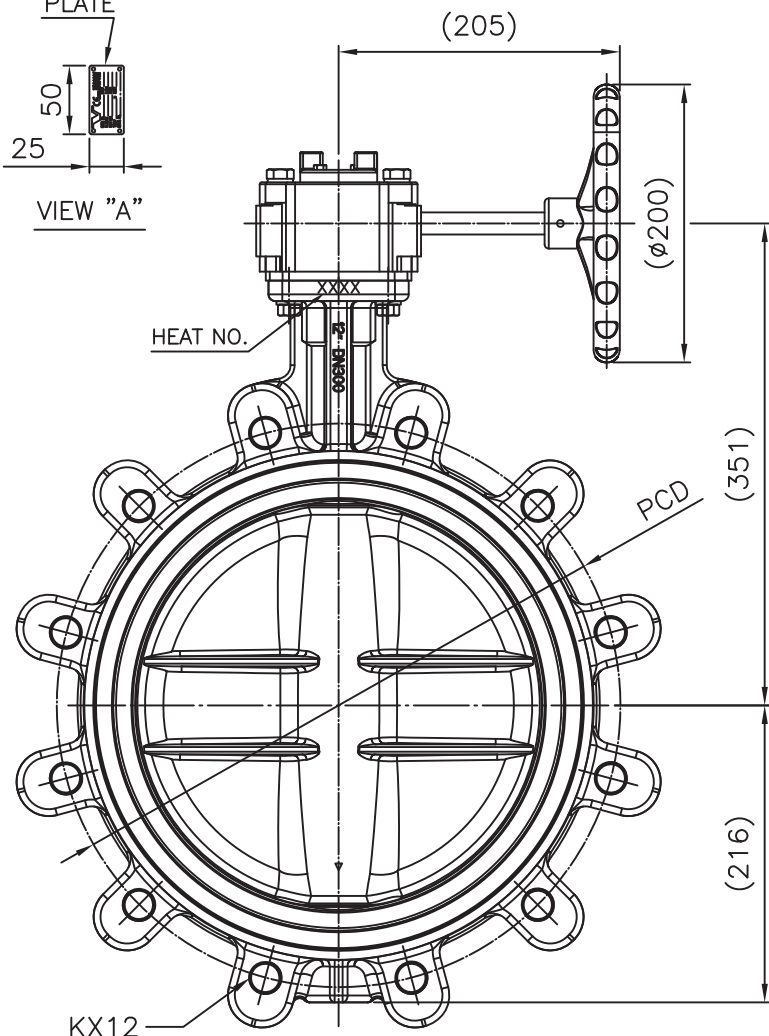
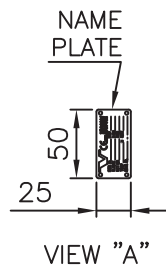
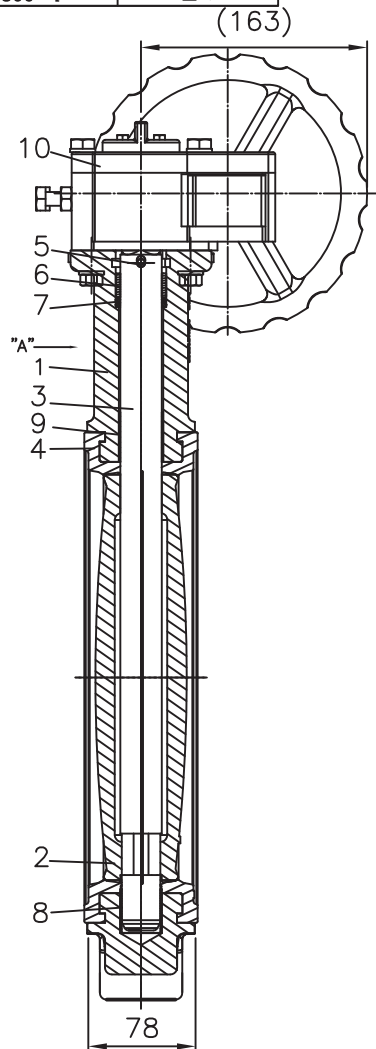


MATERIAL TABLE(ASTM)					
BODY		DISC		SEAT	STEM
A536-65 -45-12		A536-65-45-12 +NYLON 11	NBR		A182 F6A
			EPDM		A182 F304
		A351 CF8	CR		A182 F316
		A351 CF8M			
		B148 C95400			

10	GEAR BOX(C10)	1	ASTM A126-B
9	BUSH	1	RPTFE+A240 304
8	BUSH	1	ASTM B62
7	O-RING	2	NBR
6	BUSH	1	DELIRIN
5	PIN	1	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	1	
2	DISC	1	
1	BODY	1	
ITEM NO.	PART NAME	Q'TY	MATERIAL

	VALUE VALVES CO., LTD. Dba Butterfly Valves & Controls www.bvcusa.com, 817-421-5343	DESN BY	CHK BY	AUTH BY	ISSUE DATE	2009.03.07							
		POCKY 2009.03.07		GRANT 2009.03.07	MATERIAL	VF-733 BUTTERFLY VALVE							
						SCALE	1/5						
					UNIT	m/m			SIZE A4	DRAWING NO	S733025FG02C	REV	1

REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 51 kg

FLANGE	PCD	K
PN10	400	M20
PN16	410	M24

FLANGE	PCD	K
ASME B16.5 CLASS 150	431.8	7/8"-9UNC
BS10 Table E	406.4	7/8"-9UNC

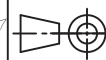
MATERIAL TABLE(ASM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 +NYLON 11	NBR	A182 F6A
	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		

10	GEAR BOX(C10)	1	ASTM A126-B
9	BUSH	1	RPTFE+A240 304
8	BUSH	1	ASTM B62
7	O-RING	2	NBR
6	BUSH	1	DELTRIN
5	PIN	1	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	1	
2	DISC	1	
1	BODY	1	
ITEM NO.	PART NAME	Q'TY	MATERIAL



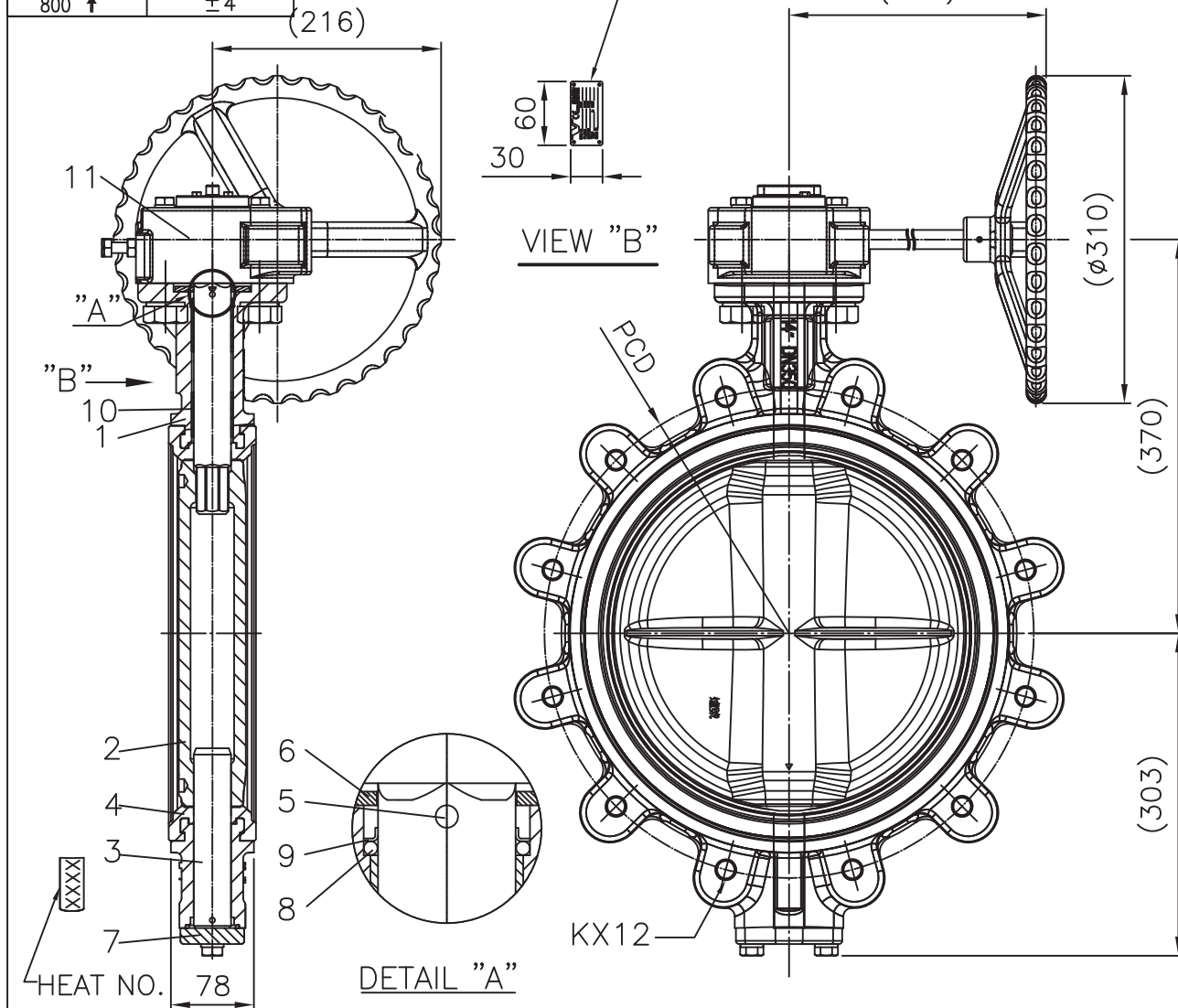
VALUE VALVES CO., LTD.
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www.bvcusa.com, 817-421-5343

DESN BY	CHK BY	AUTH BY	ISSUE DATE
POCKY 2009.03.07		GRANT 2009.03.07	2009.03.07
MATERIAL			
		SCALE	1/5.5
		UNIT	m/m



VF-733 BUTTERFLY VALVE			
12.0" - ø300mm GEAR OPERATED			
SIZE	DRAWING NO	REV	
A4	S733030FG02C		1

REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 62 kg

FLANGE	PCD	K
ASME B16.5 CLASS 150	476.3	1"-8UNC
BS10 Table E	469.9	7/8"-9UNC
PN 6	445	M20

MATERIAL TABLE(ASTM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 + NYLON 11	NBR	A182 F6A
	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		A564 630

11	GEAR BOX(C12)	1	ASTM A126-B
10	BUSH	2	RPTFE+A240 304
9	THRUST RING	1	ASTM A240 304
8	O-RING	2	NBR
7	BOTTOM COVER	1	SAME AS BODY
6	UPPER COVER	1	ASTM A126-B
5	PIN	3	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	2	
2	DISC	1	
1	BODY	1	
ITEM NO.	PART NAME	Q'TY	MATERIAL



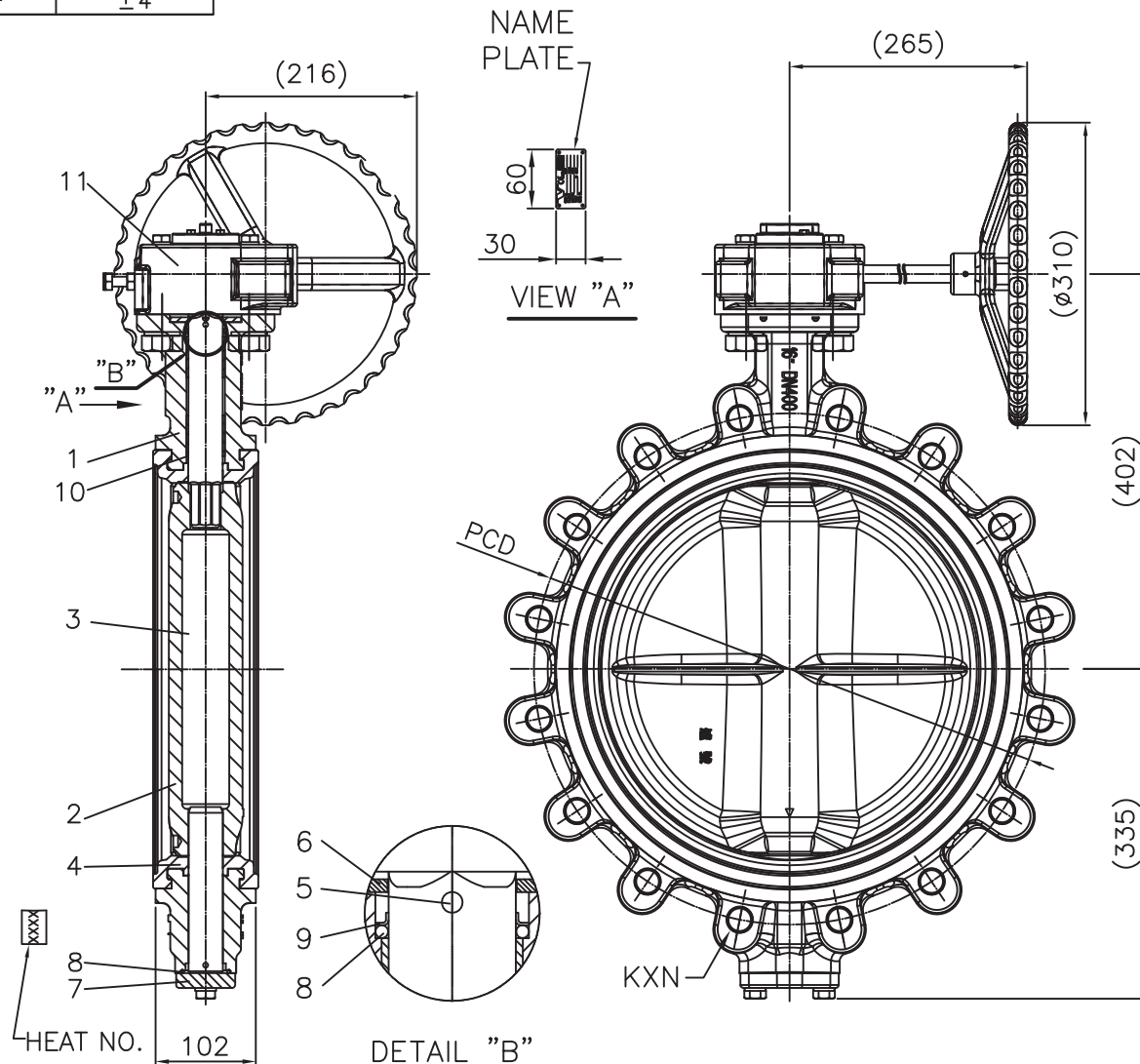
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DESN BY	CHK BY	AUTH BY	ISSUE DATE	2009.03.07
POCKY		GRANT		
2009.03.06		2009.03.06		
MATERIAL				
SCALE				1/6.5
UNIT				m/m



VF-733 BUTTERFLY VALVE			
14.0 " - ø350mm GEAR OPERATED			
SIZE A4	DRAWING NO	S733035FG03C	REV 1

REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 90 kg

FLANGE	PCD	K	N	FLANGE	PCD	K	N
PN10	515	M24	16	JIS 10K	510	M24	16
PN16	525	M27	16	JIS 16K	540	M30	16

FLANGE	PCD	K	N
ASME B16.5 CLASS 150	539.8	1"-8UNC	16
BS10 Table E	520.7	7/8"-9UNC	12

MATERIAL TABLE (ASTM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 + NYLON 11	NBR	A182 F6A
	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		A564 630

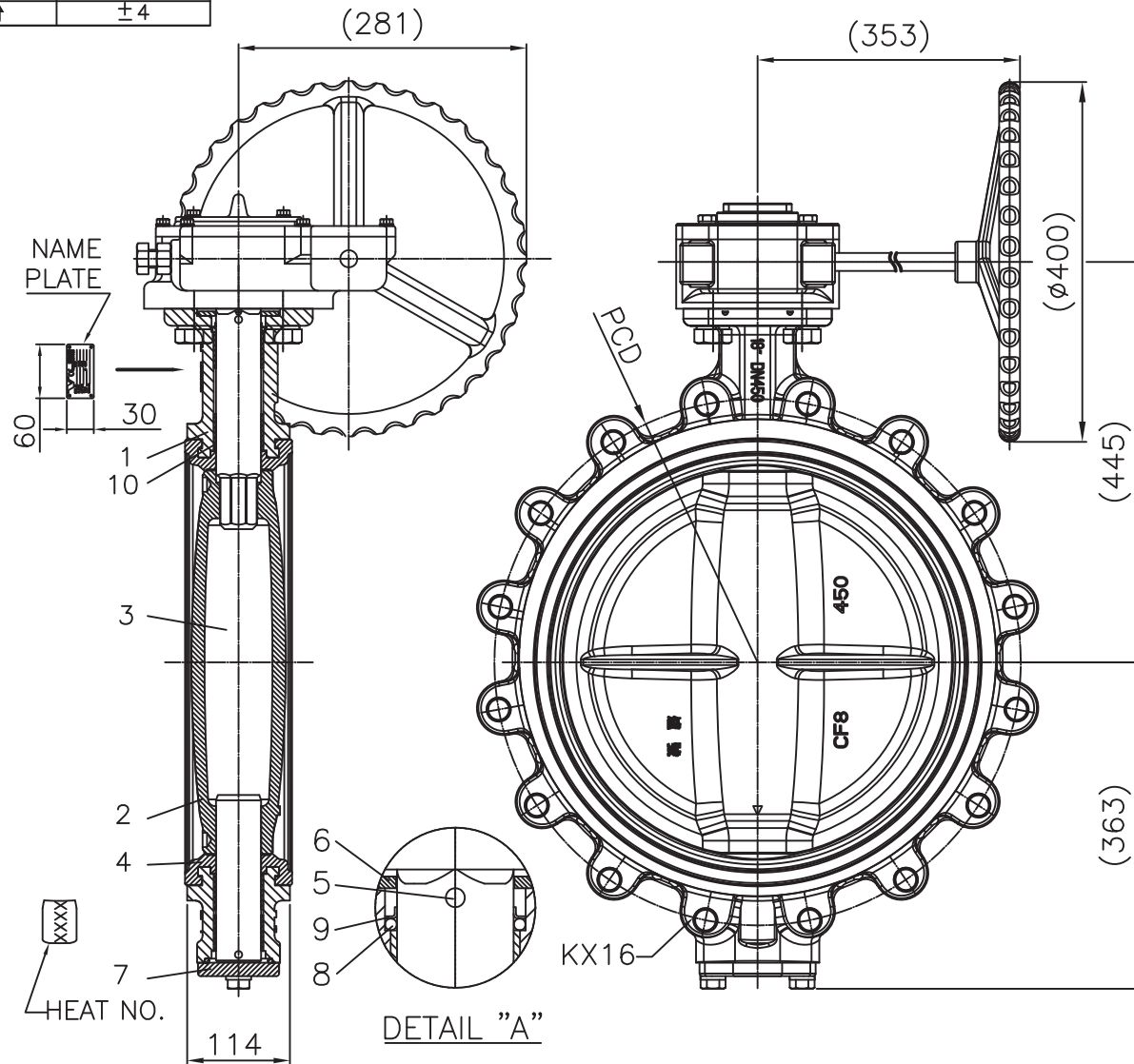
11	GEAR BOX(C12)	1	ASTM A126-B
10	BUSH	2	RPTFE+A240 304
9	THRUST RING	1	ASTM A240 304
8	O-RING	2	NBR
7	BOTTOM COVER	1	SAME AS BODY
6	UPPER COVER	1	ASTM A126-B
5	PIN	3	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	2	
2	DISC	1	
1	BODY	1	

ITEM NO.	PART NAME	Q'TY	MATERIAL
	VF-733 BUTTERFLY VALVE		
	16.0" - ø400mm GEAR OPERATED		
SIZE A4	DRAWING NO	S733040FG03C	REV 1

VALUE VALVES CO., LTD.
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DESN BY	CHK BY	AUTH BY	ISSUE DATE	2009.03.07
POCKY		GRANT	MATERIAL	
2009.03.06		2009.03.06	SCALE	1/7.5
			UNIT	m/m

REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 132 kg

FLANGE	PCD	K
ASME B16.5 CLASS 150	577.9	1 1"/8"-8UN
BS10 Table E	584.2	7/8"-9UNC
PN 16	525	M27

MATERIAL TABLE (ASTM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 + NYLON 11	NBR	A182 F6A
	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		A564 630

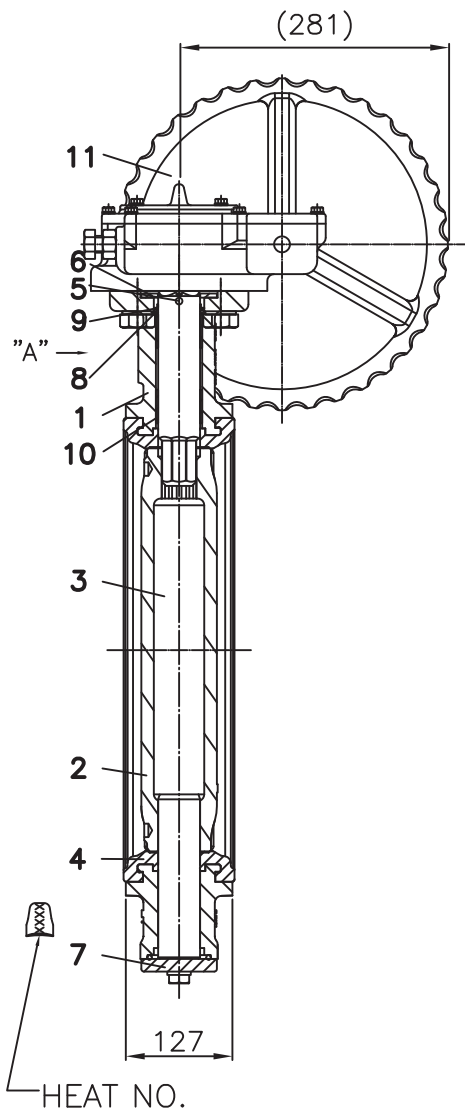
11	GEAR BOX (C14)	1	ASTM A126-B
10	BUSH	2	RPTFE+A240 304
9	THRUST RING	1	ASTM A240 304
8	O-RING	2	NBR
7	BOTTOM COVER	1	SAME AS BODY
6	UPPER COVER	1	ASTM A126-B
5	PIN	3	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	2	
2	DISC	1	
1	BODY	1	

ITEM NO.	PART NAME	Q'TY	MATERIAL
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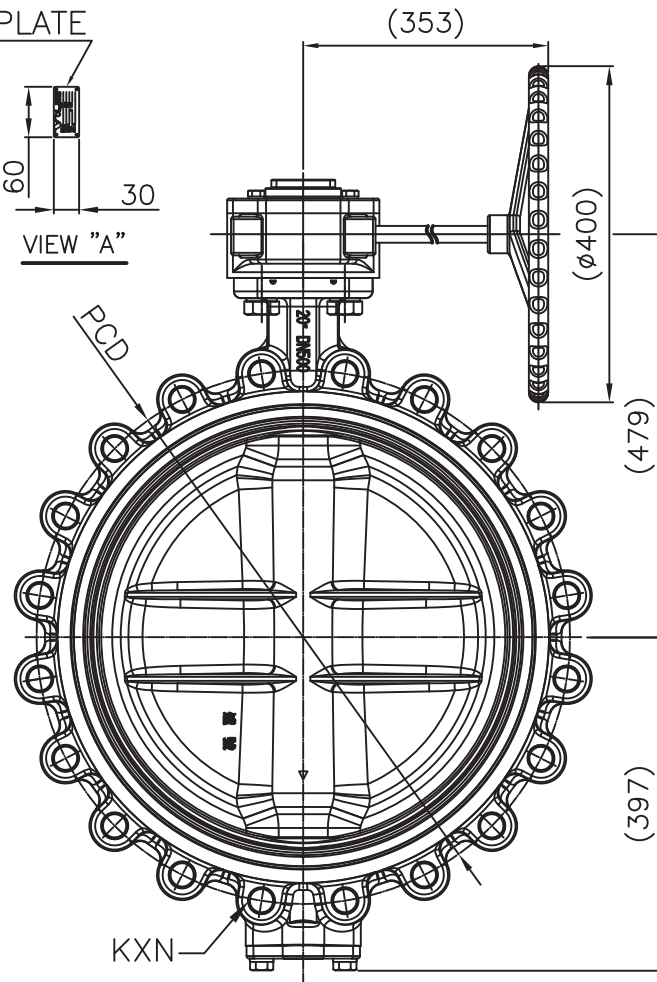
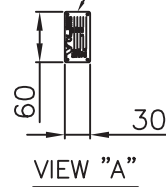
VF-733 BUTTERFLY VALVE			
18.0" - ø450mm GEAR OPERATED			
SIZE A4	DRAWING NO	S733045FG04C	REV 1

	VALUE VALVES CO., LTD. dba Butterfly Valves & Controls www.bvcusa.com, 817-421-5343	DESN BY	CHK BY	AUTH BY	ISSUE DATE	VF-733 BUTTERFLY VALVE				
		 POCKY 2009.03.06	 GRANT 2009.03.06		MATERIAL	18.0"- ø450mm GEAR OPERATED				
					SCALE	1/8				
					UNIT	m/m				
						SIZE A4	DRAWING NO	S733045FG04C	REV	1

REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



NAME
PLATE



UNIT: □MPa □bar □PSI □Kg/cm ²
MAX WORKING PRESS
SHELL TEST
SEAT TEST
TEST FLUID
WEIGHT: 177 kg

FLANGE	PCD	K	N	FLANGE	PCD	K	N
PN10	620	M24	20	JIS 10K	620	M24	20

FLANGE	PCD	K	N
ASME B16.5 CLASS 150	635	1 1/8"-8UN	20
BS10 Table E	641.4	7/8"-9UNC	16

MATERIAL TABLE(ASM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 +NYLON 11	NBR	A182 F6A
	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		A564 630

11	GEAR BOX(C14)	1	ASTM A126-B
10	BUSH	2	RPTFE+A240 304
9	THRUST RING	1	ASTM A240 304
8	O-RING	2	NBR
7	BOTTOM COVER	1	SAME AS BODY
6	UPPER COVER	1	ASTM A126-B
5	PIN	3	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	2	
2	DISC	1	
1	BODY	1	

ITEM NO.	PART NAME	Q'TY	MATERIAL
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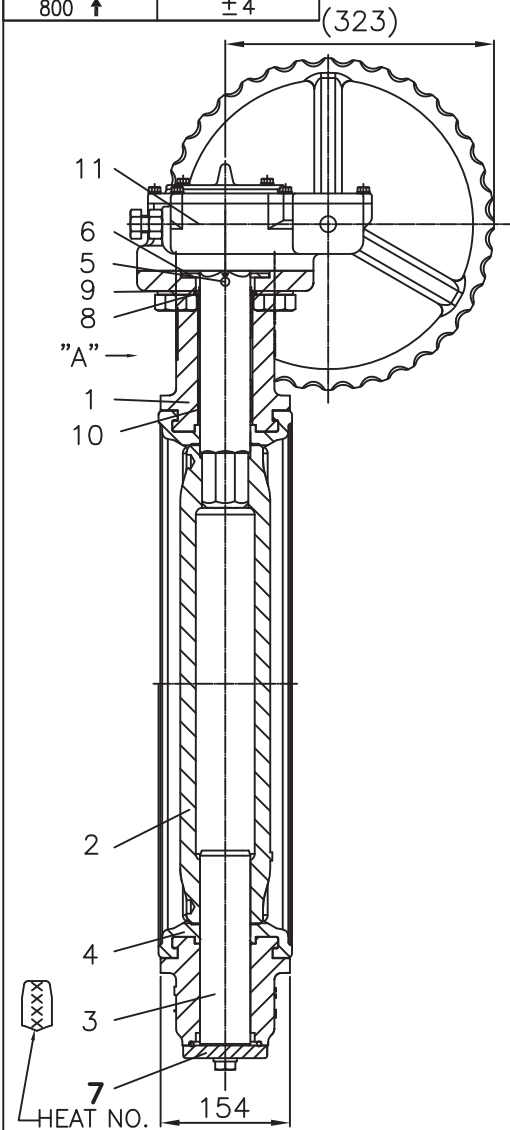
VALUE VALVES CO., LTD.
dba Butterfly Valves & Controls
www.bvcusa.com, 817-421-5343

DESN BY	CHK BY	AUTH BY	ISSUE DATE	2009.03.07
POCKY		GRANT		
2009.03.06		2009.03.06		
MATERIAL		SCALE	1/9	
		UNIT	m/m	

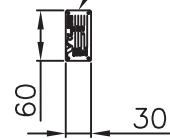
VF-733 BUTTERFLY VALVE
20.0" - ø500mm GEAR OPERATED

SIZE A4	DRAWING NO	S733050FG04C	REV	1
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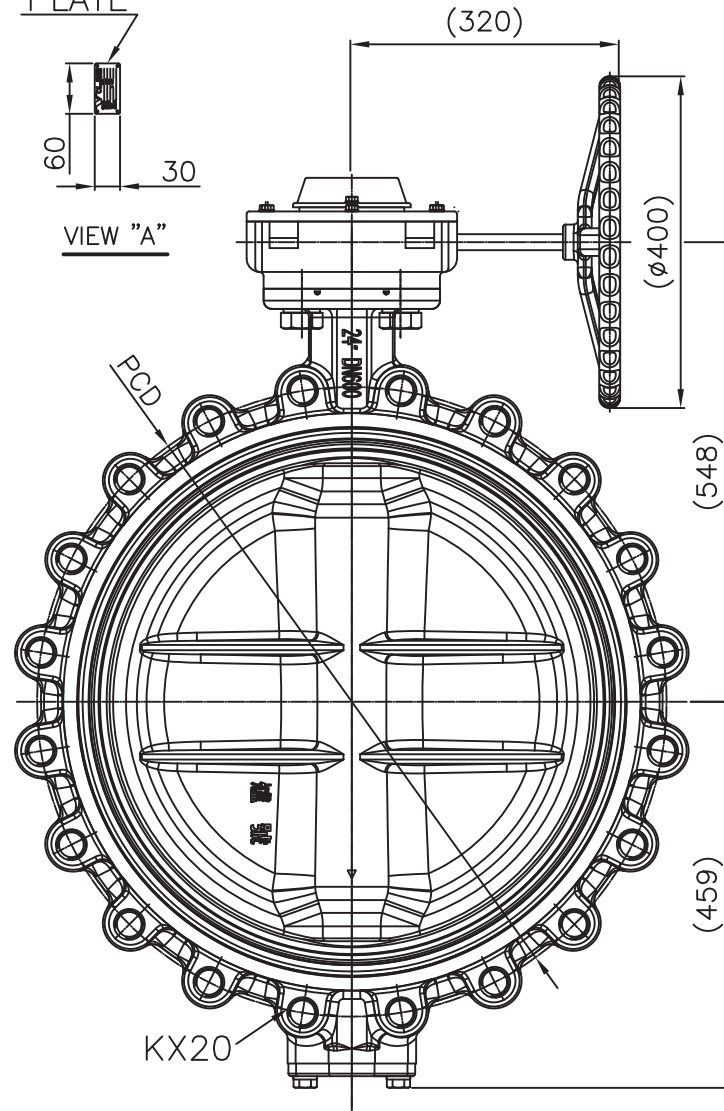
REFER DIMENSIONS	TOLERANCE
0~400	±2
400~800	±3
800 ↑	±4



NAME
PLATE



VIEW "A"



UNIT: □MPa □bar □PSI □Kg/cm ²	
MAX WORKING PRESS	
SHELL TEST	
SEAT TEST	
TEST FLUID	Water
WEIGHT:	318 kg

FLANGE	PCD	K
ASME B16.5 CLASS 150	749.3	1 1/4"-8UN
PN10	725	M27

MATERIAL TABLE(ASM)			
BODY	DISC	SEAT	STEM
A536-65-45-12	A536-65-45-12 +NYLON 11	NBR	A182 F6A
	A351 CF8	EPDM	A182 F304
	A351 CF8M	CR	A182 F316
	B148 C95400		A564 630

11	GEAR BOX(A2)	1	ASTM A536-65-45-12
10	BUSH	2	RPTFE+A240 304
9	THRUST RING	1	ASTM A240 304
8	O-RING	2	NBR
7	BOTTOM COVER	1	SAME AS BODY
6	UPPER COVER	1	ASTM A126-B
5	PIN	3	ASTM A182 F304
4	SEAT	1	SEE MATERIAL TABLE
3	STEM	2	
2	DISC	1	
1	BODY	1	

ITEM NO.	PART NAME	Q'TY	MATERIAL
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VALUE VALVES CO., LTD.
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DESN BY	CHK BY	AUTH BY	ISSUE DATE	2009.03.07
POCKY		GRANT		
2009.03.06		2009.03.06		
MATERIAL		SCALE	1/9	
		UNIT	m/m	

VF-733 BUTTERFLY VALVE	
24.0" - ø600mm GEAR OPERATED	
SIZE A4	DRAWING NO S733060FG05A
REV	1