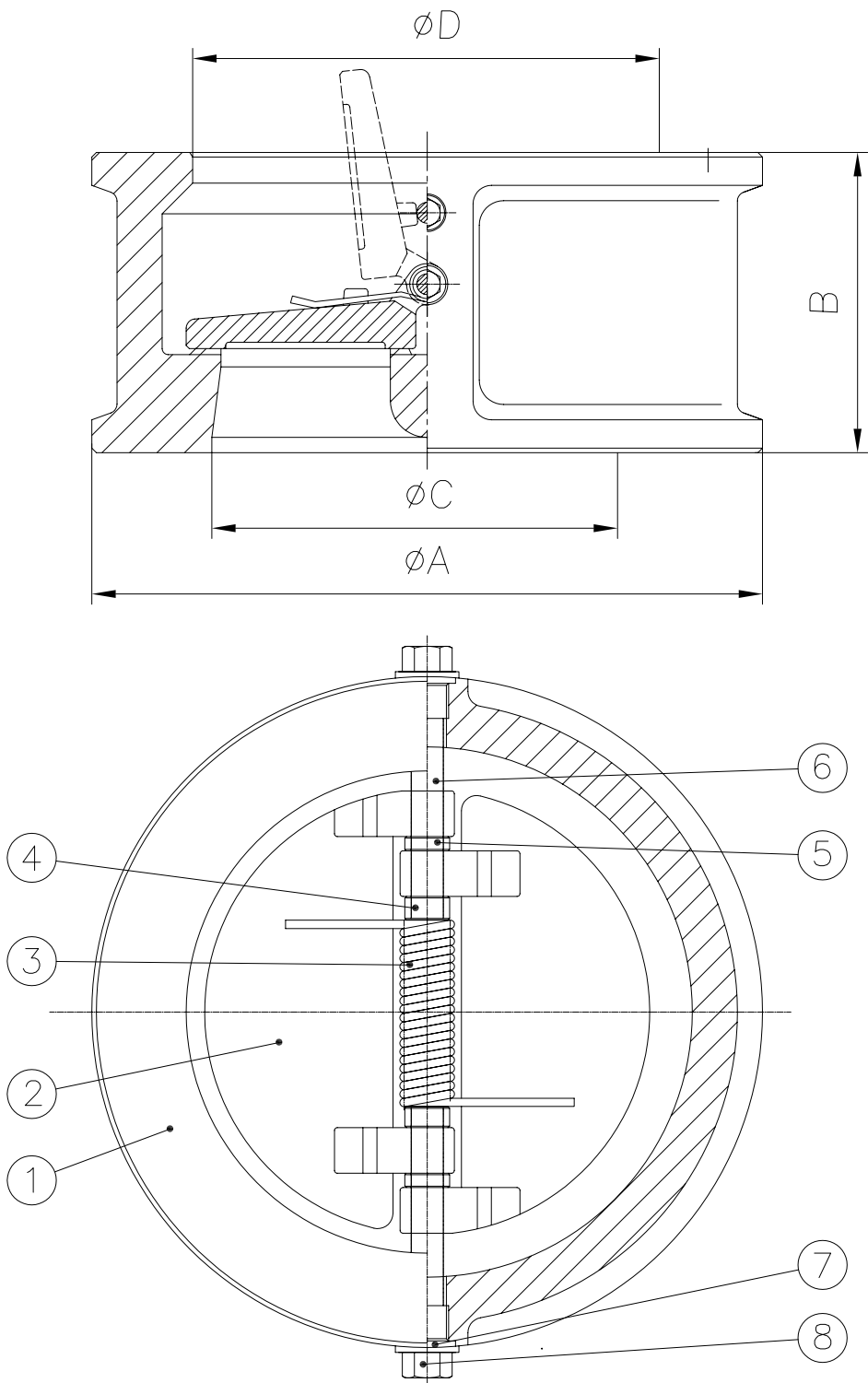


PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	104.78	60.33	–	57.15
2.5"	123.83	66.68	–	74.68
3"	136.53	73.03	50.80	86.87
4"	174.63	73.03	88.90	113.03
5"	196.85	85.73	0.00	149.23
6"	222.25	98.43	139.70	165.61
8"	279.40	127.00	171.45	206.50
10"	339.73	146.05	234.95	260.35
12"	409.58	180.98	260.35	300.23
14"	450.85	184.15	285.75	338.84
16"	514.35	190.50	331.80	387.35
18"	549.28	203.20	395.30	438.15
20"	606.43	219.08	438.15	487.43
24"	717.55	222.25	536.58	578.61

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	30.0	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	22.0	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

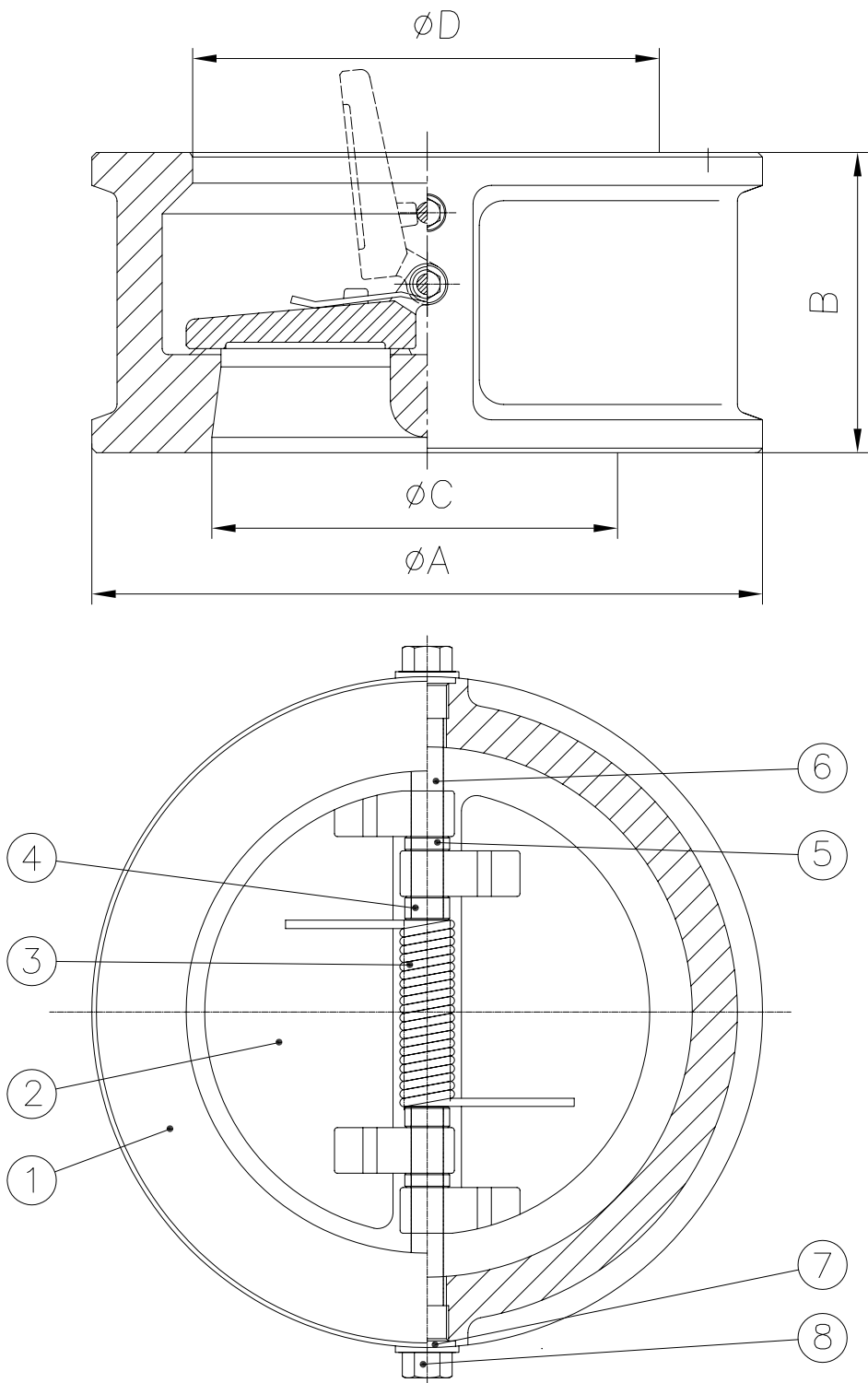
DRAWING TITLE:
API 594 CAST STEEL CLASS 150
WAFER, RF, CHECK VALVES

CLIENT: –
VENDOR PO REF: –
EVC REF: –



CAD. No.	DRAWING NUMBER: 120022					REV
	AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.	01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	111.13	60.33	—	57.15
3"	149.23	73.03	50.80	86.87
4"	193.68	79.38	88.90	113.03
6"	266.70	136.53	88.90	165.61
8"	320.68	165.10	168.28	206.50
10"	400.05	212.73	200.03	260.35
12"	457.20	228.60	231.78	300.23
14"	492.13	273.05	231.78	338.84
16"	565.15	304.80	330.20	387.35
18"	612.78	361.95	330.20	438.15
20"	682.63	368.30	431.80	487.43
24"	790.58	438.15	509.60	578.61

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	153.1	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	112.3	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

DRAWING TITLE:
API 594 CAST STEEL CLASS 600
WAFER, RF, CHECK VALVES

CLIENT: -

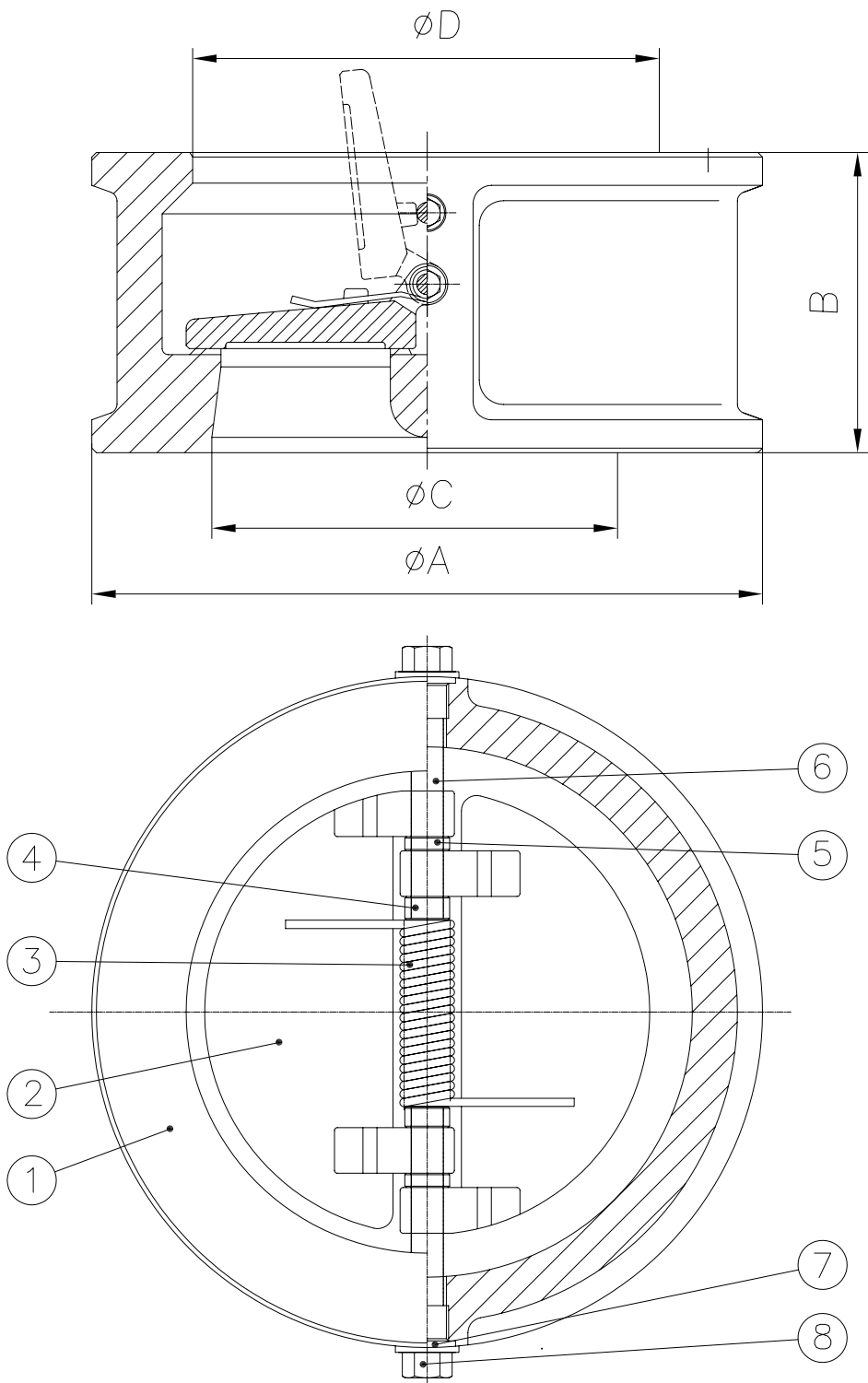
VENDOR PO REF: -

EVC REF: -



CAD. No.	DRAWING NUMBER: 120024			REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
				01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	142.88	69.85	—	57.15
3"	168.28	82.55	60.33	86.87
4"	206.38	101.60	82.55	113.03
6"	288.93	158.75	88.90	165.61
8"	358.78	206.38	130.18	206.50
10"	434.98	241.30	195.28	260.35
12"	498.48	292.10	206.38	300.23
14"	520.70	355.60	—	338.84
16"	574.68	384.18	161.93	387.35
18"	638.18	450.85	244.48	438.15
20"	698.50	450.85	406.40	487.43
24"	838.20	495.30	444.50	578.61

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	229.8	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	168.52	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

DRAWING TITLE:
API 594 CAST STEEL CLASS 900
WAFER, RF, CHECK VALVES

CLIENT: -

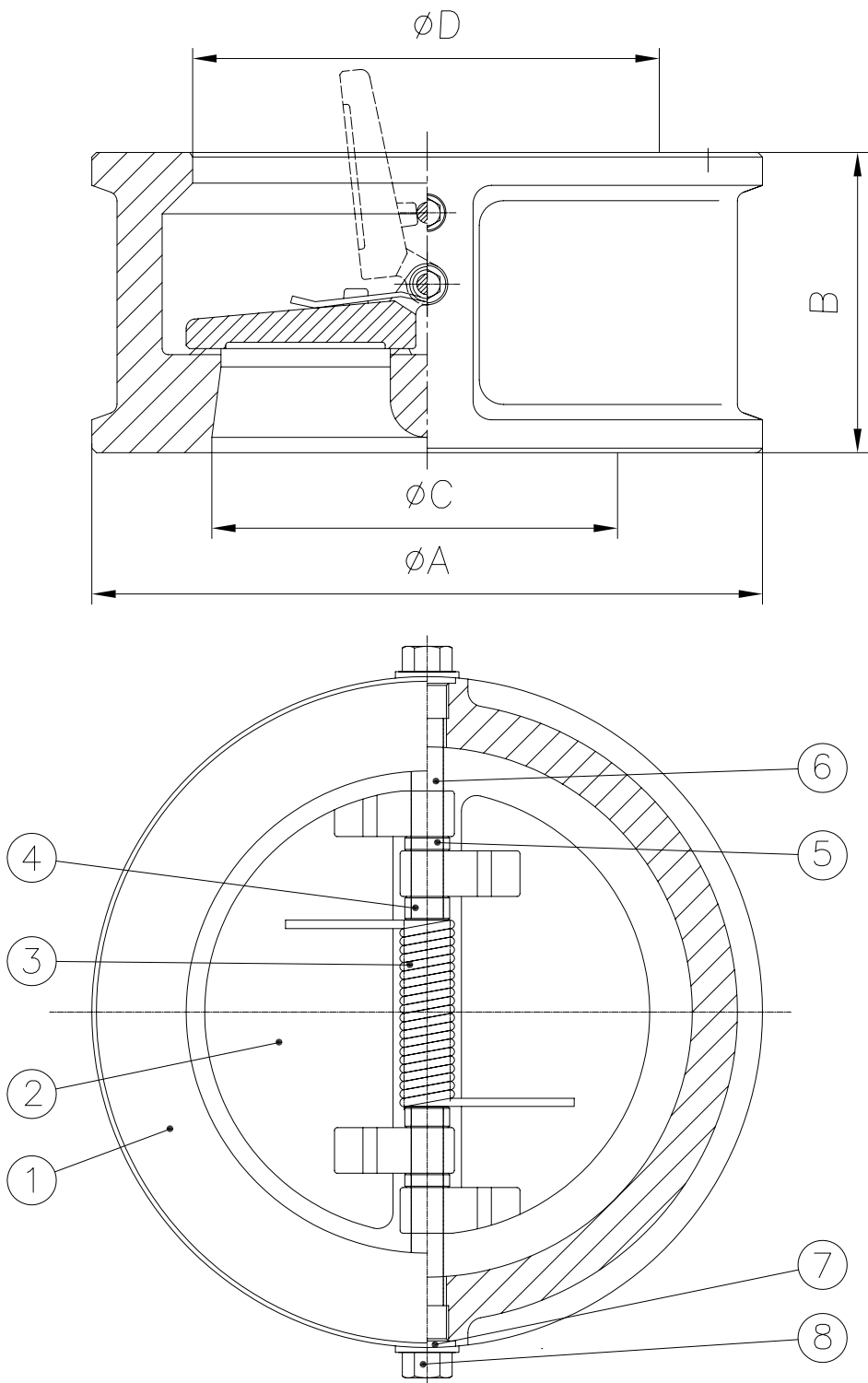
VENDOR PO REF: -

EVC REF: -



CAD. No.	DRAWING NUMBER: 120025			REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
				01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

1. Body Seat Overlay available – AISI 316 or Stellite 6
2. Plate Seat Overlay available – AISI 316 or Stellite 6
3

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	146.05	69.85	—	57.15
3"	196.85	85.73	60.33	86.87
4"	234.95	104.78	82.55	113.03
6"	317.50	158.75	88.90	165.61
8"	387.35	206.38	142.88	206.50
10"	476.25	254.00	190.50	260.35
12"	549.28	304.80	225.43	300.23

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	638.2	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	468.0	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

DRAWING TITLE:
API 594 CAST STEEL CLASS 2500
WAFFER, RF, CHECK VALVES

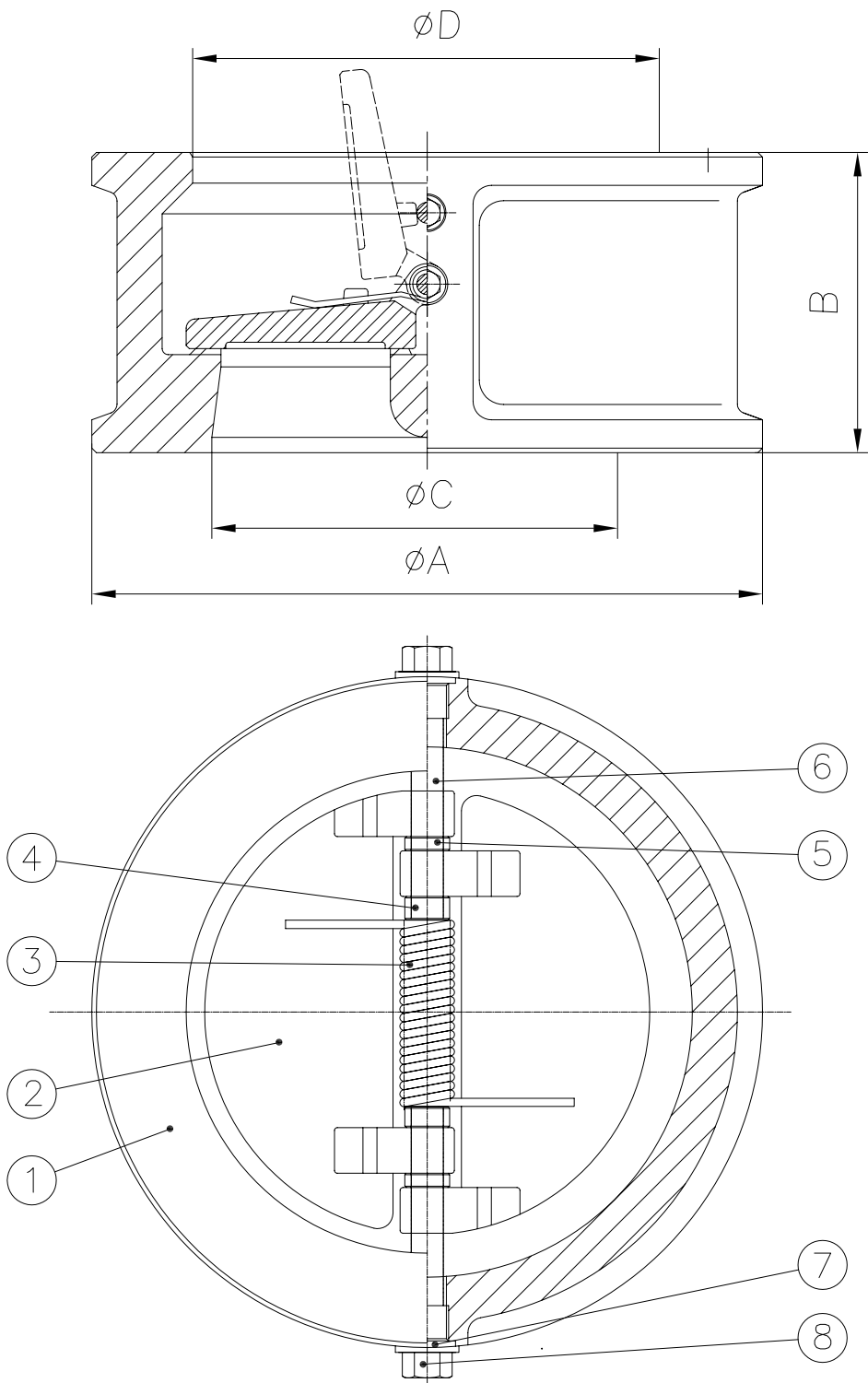
CLIENT: -

VENDOR PO REF: -

EVC REF: -

CAD. No.	DRAWING NUMBER: 120027					REV
	AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.	01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	142.88	69.85	—	57.15
3"	174.63	82.55	60.33	86.87
4"	209.55	101.60	82.55	113.03
6"	282.58	158.75	88.90	165.61
8"	352.43	206.38	130.18	206.50
10"	434.98	247.65	184.15	260.35
12"	520.70	304.80	209.55	300.23
14"	577.85	355.60	—	338.84
16"	641.35	384.18	161.93	387.35
18"	704.85	468.33	184.15	438.15
20"	755.65	533.40	209.55	487.43
24"	901.70	558.80	390.53	578.61

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	337.9	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	280.8	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

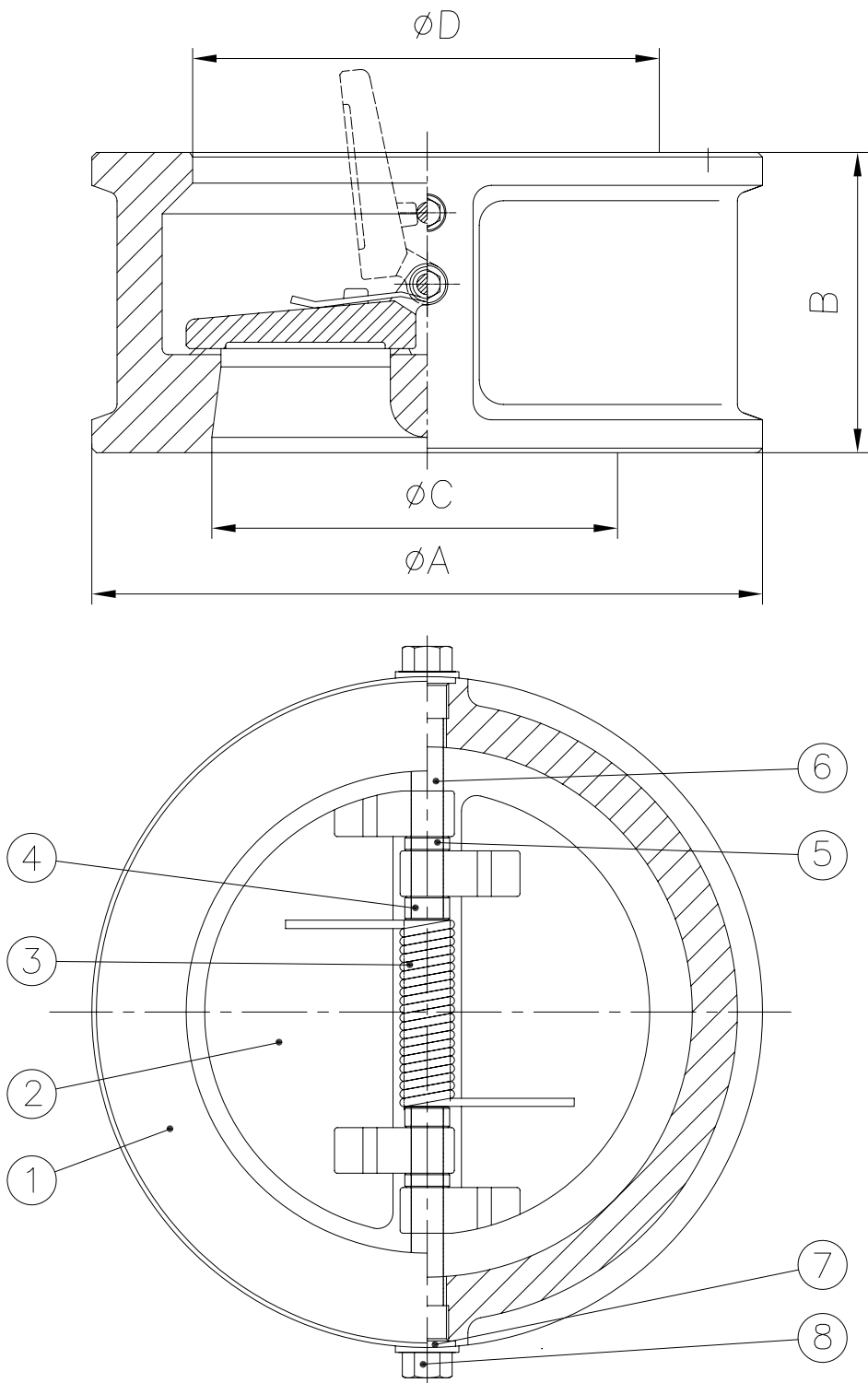
DRAWING TITLE:
API 594 CAST STEEL CLASS 1500
WAFFER, RF, CHECK VALVES

CLIENT: -
VENDOR PO REF: -
EVC REF: -



CAD. No.	DRAWING NUMBER: 120026			REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
				01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	111.13	60.33	–	57.15
2.5"	130.18	66.68	–	74.68
3"	149.23	73.03	50.80	86.87
4"	180.98	73.03	88.90	113.03
5"	215.90	85.73	0.00	149.23
6"	250.83	98.43	139.70	165.61
8"	307.98	127.00	171.45	206.50
10"	361.95	146.05	234.95	260.35
12"	422.28	180.98	260.35	300.23
14"	485.78	222.25	285.75	338.84
16"	539.75	231.78	330.20	387.35
18"	596.90	263.53	390.53	438.15
20"	654.05	292.10	438.15	487.43
24"	774.70	317.50	523.88	578.61

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	76.6	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	56.2	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

DRAWING TITLE:
API 594 CAST STEEL CLASS 300
WAFFER, RF, CHECK VALVES

CLIENT: –

VENDOR PO REF: –

EVC REF: –

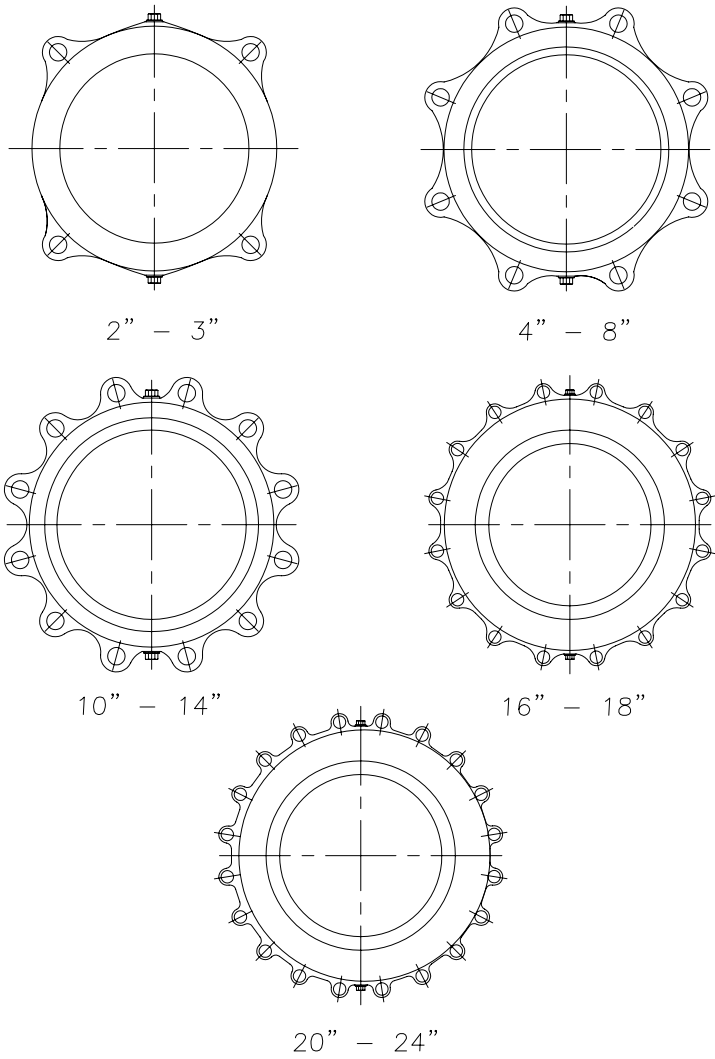
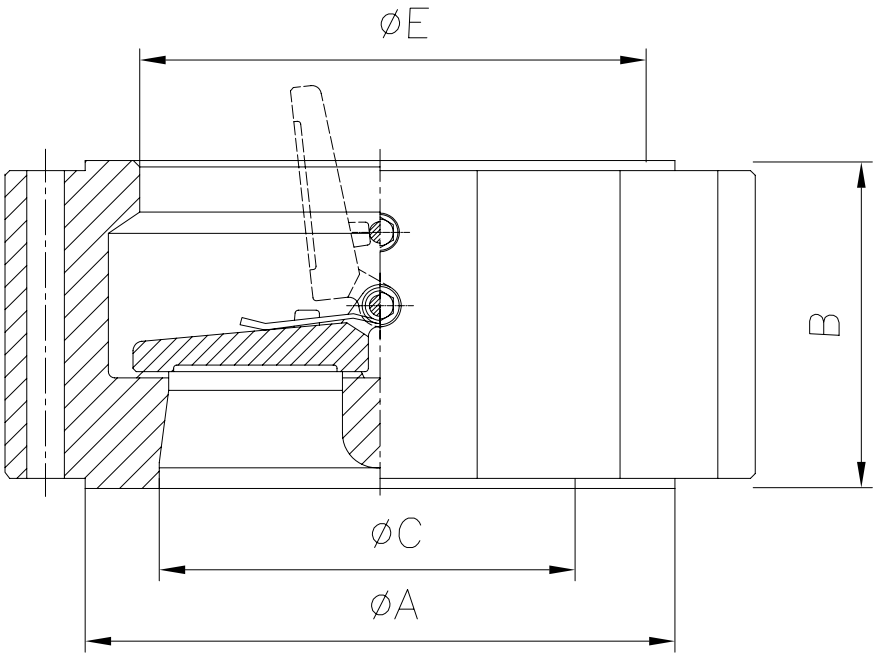
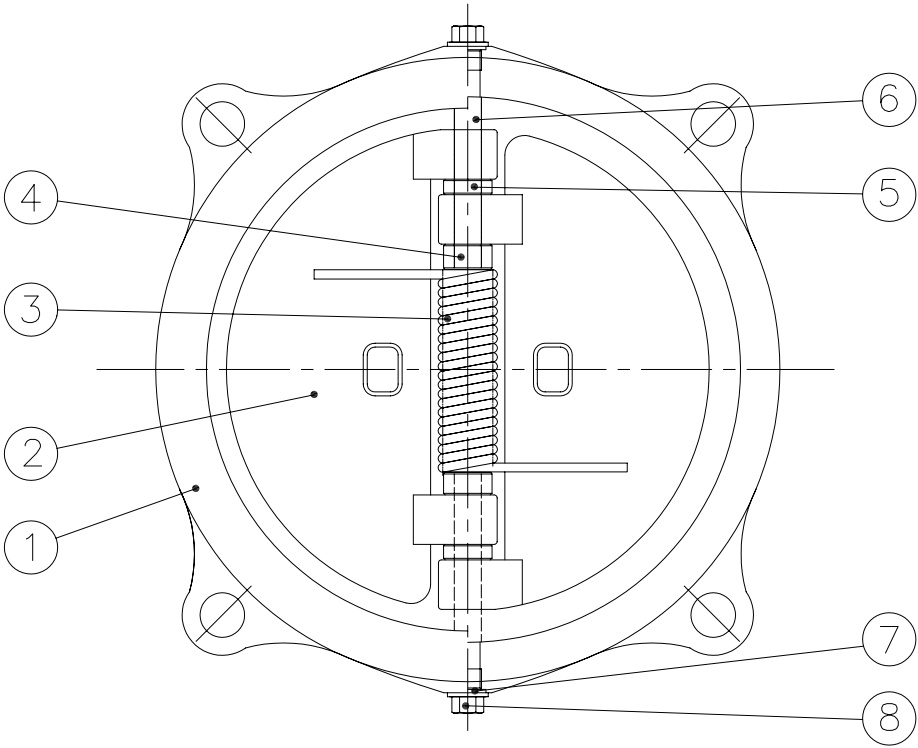


CAD. No.	DRAWING NUMBER: 120023			REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
				01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	29.4	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	21.56	Barg
TESTING CODE	API 598			



Hole Configuration

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:
						DRAWN
						CHECKED
						APPROVED

8	STOP PIN	A182 F316
7	GASKET	A182 F316
6	HINGE PIN	A182 F316
5	BEARING	A182 F316
4	SPRING PLATE	A182 F316
3	SPRING	INCONEL X750
2	DISC	ASTM A351 CF8M
1	BODY	ASTM 216 WCB
	BODY SEAT	AS BODY + 316 OVERLAY
	PLATE SEAT	AS PLATE
NO.	Name	Material

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	104.78	60.33	–	57.15
2.5"	123.83	66.68	–	74.68
3"	136.53	73.03	50.80	86.87
4"	174.63	73.03	88.90	113.03
5"	196.85	85.73	0.00	149.23
6"	222.25	98.43	139.70	165.61
8"	279.40	127.00	171.45	206.50
10"	339.73	146.05	234.95	260.35
12"	409.58	180.98	260.35	300.23
14"	450.85	184.15	285.75	338.84
16"	514.35	190.50	331.80	387.35
18"	549.28	203.20	395.30	438.15
20"	606.43	219.08	438.15	487.43
24"	717.55	222.25	536.58	578.61

DRAWING TITLE:
API 594 CAST STEEL CLASS 150
WAFFER LUGGED, RF, CHECK VALVES

CLIENT: –

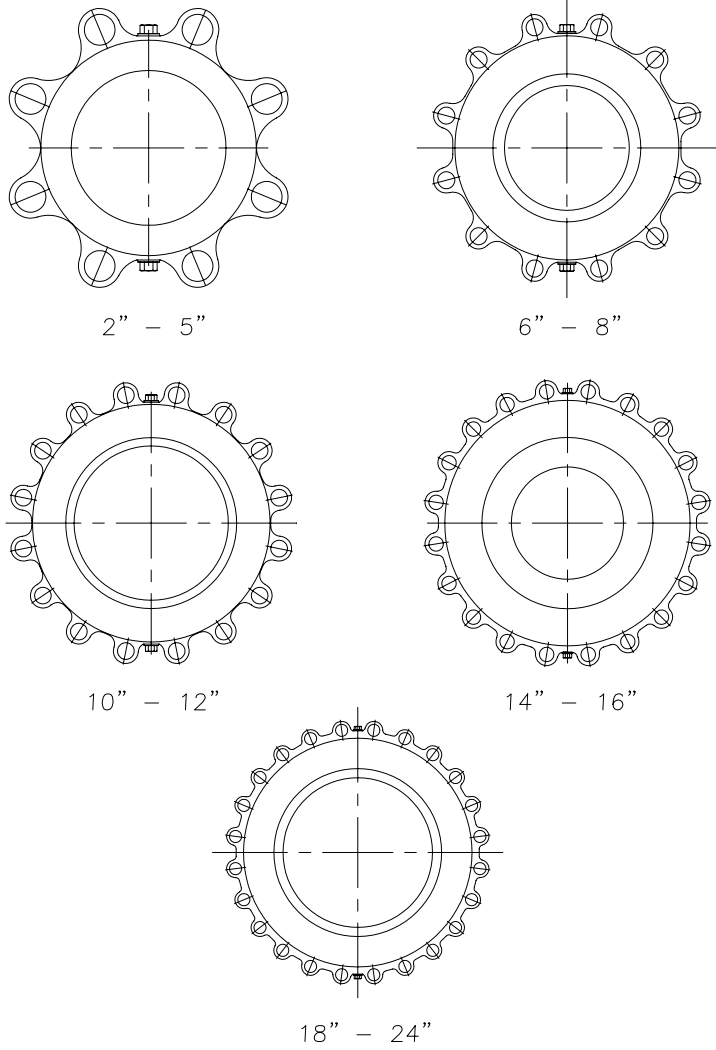
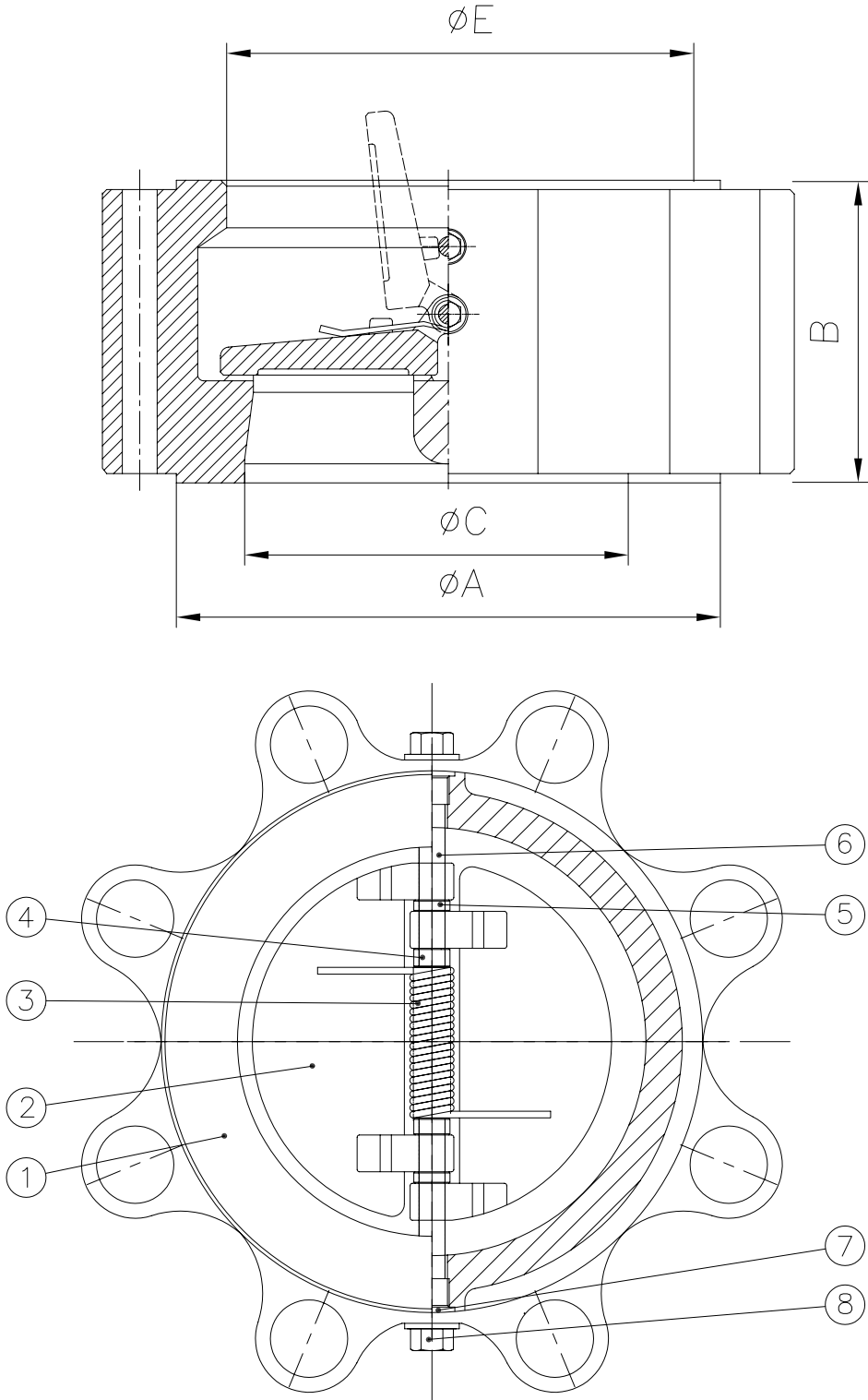
VENDOR PO REF: –

EVC REF: –



CAD. No.	DRAWING NUMBER:	120028	REV
AREA No.	FACILITY	TYPE	SEQ. No.
SHT. No.			01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



Hole
Configuration

8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

1. Body Seat Overlay available – AISI 316 or Stellite 6
2. Plate Seat Overlay available – AISI 316 or Stellite 6
- 3.

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	111.13	60.33	–	57.15
2.5"	130.18	66.68	–	74.68
3"	149.23	73.03	50.80	86.87
4"	180.98	73.03	88.90	113.03
5"	215.90	85.73	0.00	149.23
6"	250.83	98.43	139.70	165.61
8"	307.98	127.00	171.45	206.50
10"	361.95	146.05	234.95	260.35
12"	422.28	180.98	260.35	300.23
14"	485.78	222.25	285.75	338.84
16"	539.75	231.78	330.20	387.35
18"	596.90	263.53	390.53	438.15
20"	654.05	292.10	438.15	487.43
24"	774.70	317.50	523.88	578.61

DRAWING TITLE:
API 594 CAST STEEL CLASS 300
WAFFER, RF, CHECK VALVES

CLIENT: –

VENDOR PO REF: –

EVC REF: –



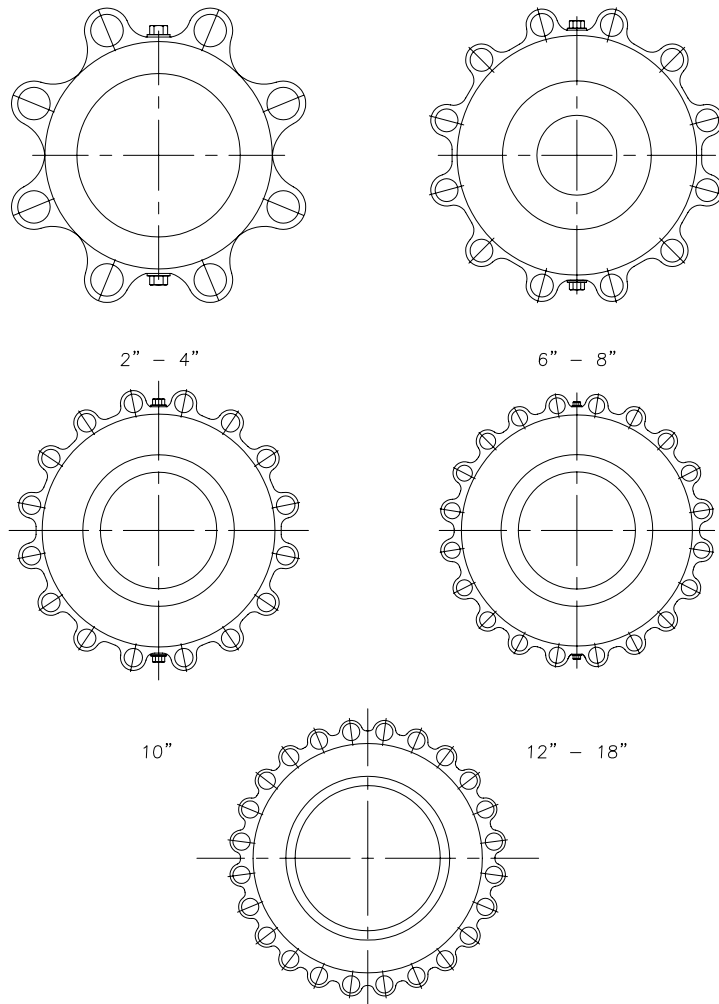
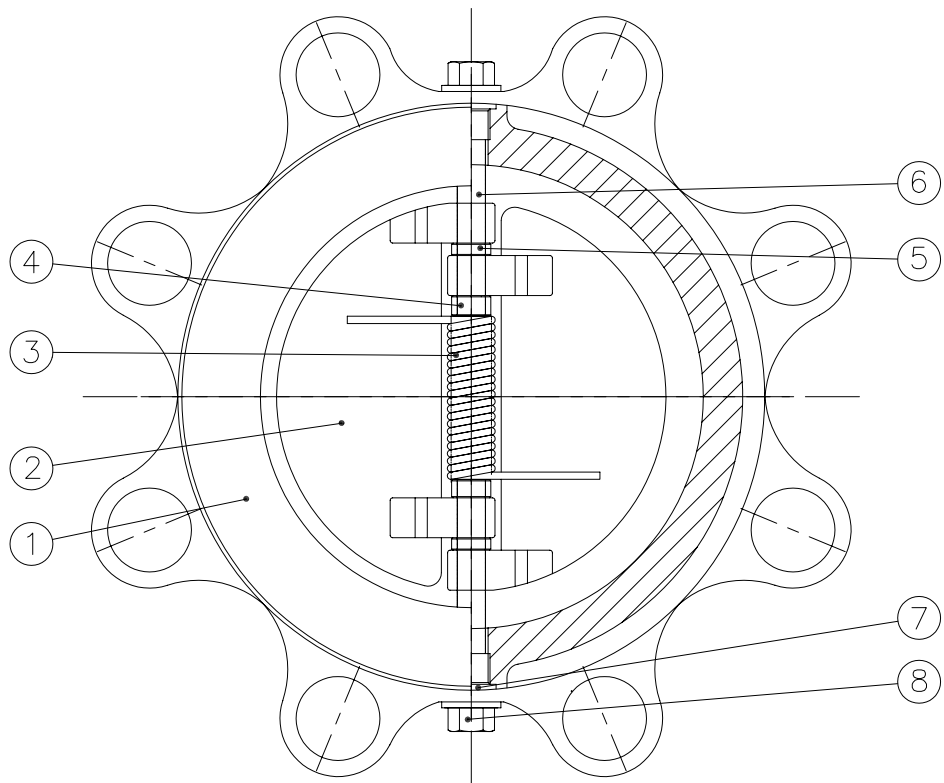
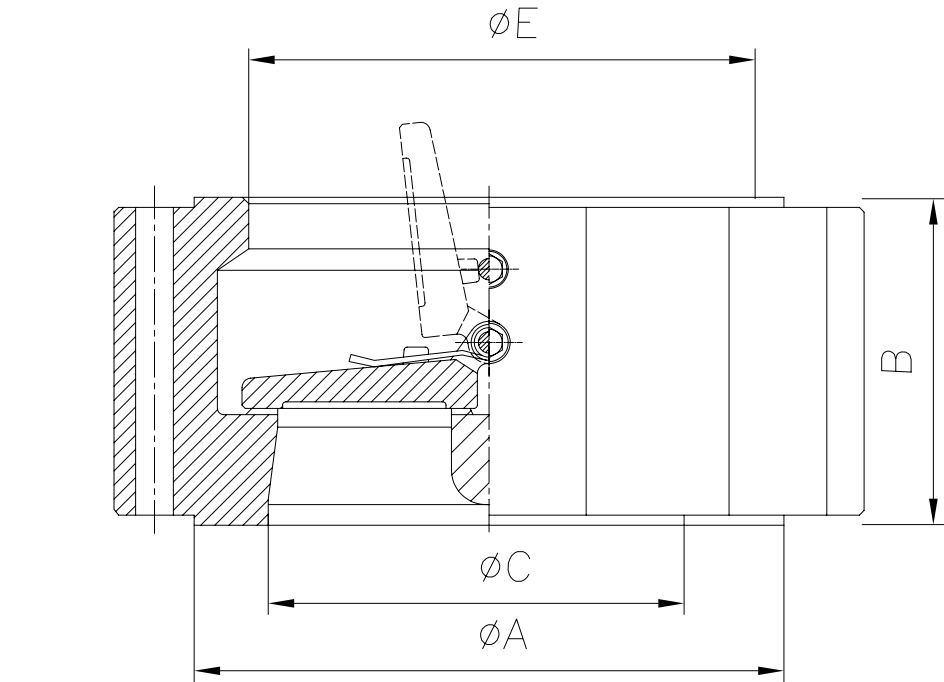
CAD. No.	DRAWING NUMBER: 120029				REV
	AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
					01

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	76.6	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	56.2	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:
						DRAWN DM DATE
						CHECKED SMN DATE
						APPROVED AW DATE

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



Hole
Configuration

8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	111.13	60.33	—	57.15
3"	149.23	73.03	50.80	86.87
4"	193.68	79.38	88.90	113.03
6"	266.70	136.53	88.90	165.61
8"	320.68	165.10	168.28	206.50
10"	400.05	212.73	200.03	260.35
12"	457.20	228.60	231.78	300.23
14"	492.13	273.05	231.78	338.84
16"	565.15	304.80	330.20	387.35
18"	612.78	361.95	330.20	438.15
20"	682.63	368.30	431.80	487.43
24"	790.58	438.15	509.60	578.61

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	153.1	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	112.3	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

DRAWING TITLE:
API 594 CAST STEEL CLASS 600
WAFER, RF, CHECK VALVES

CLIENT: -

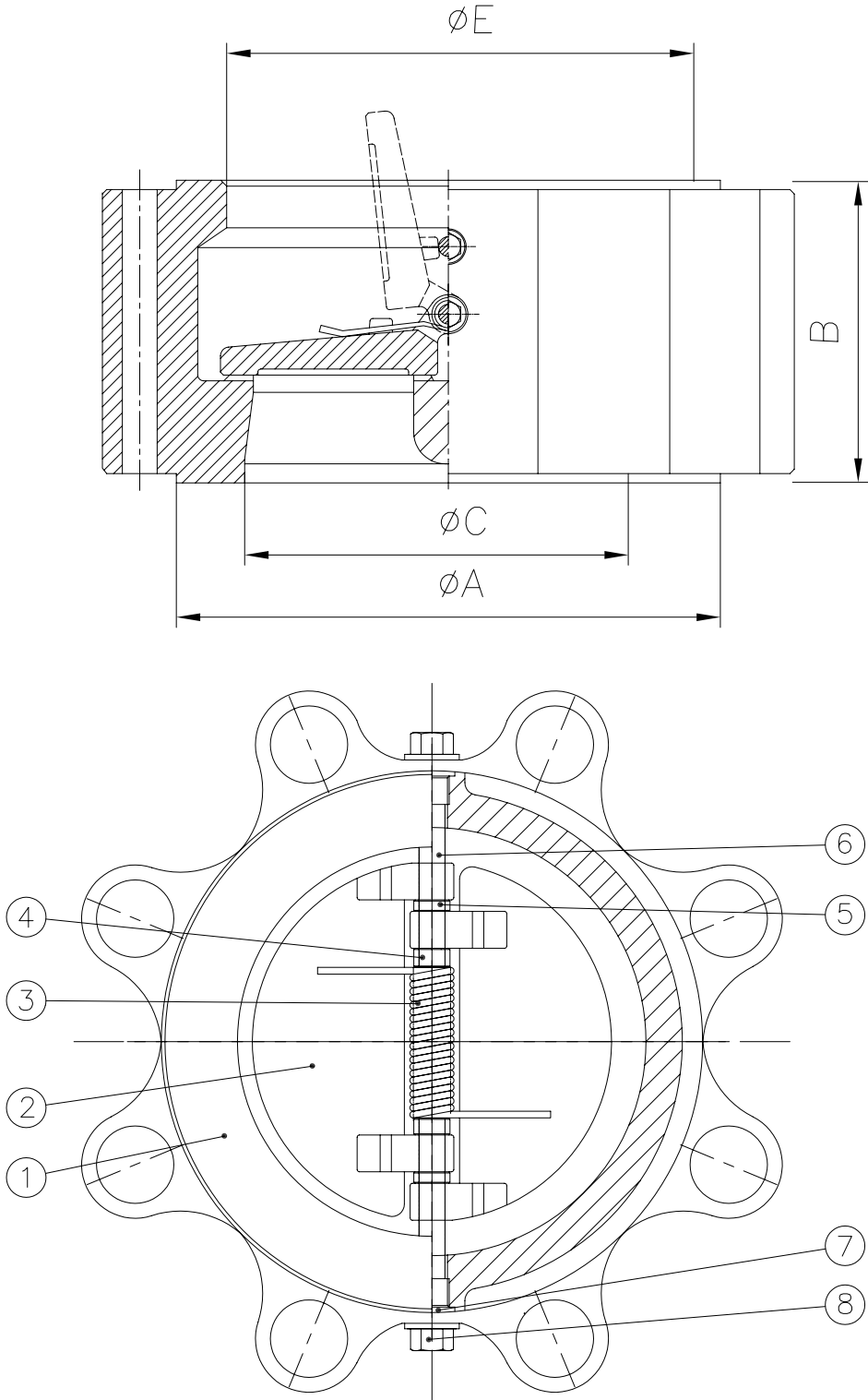
VENDOR PO REF: -

EVC REF: -



CAD. No.	DRAWING NUMBER: 120030			REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
				01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.

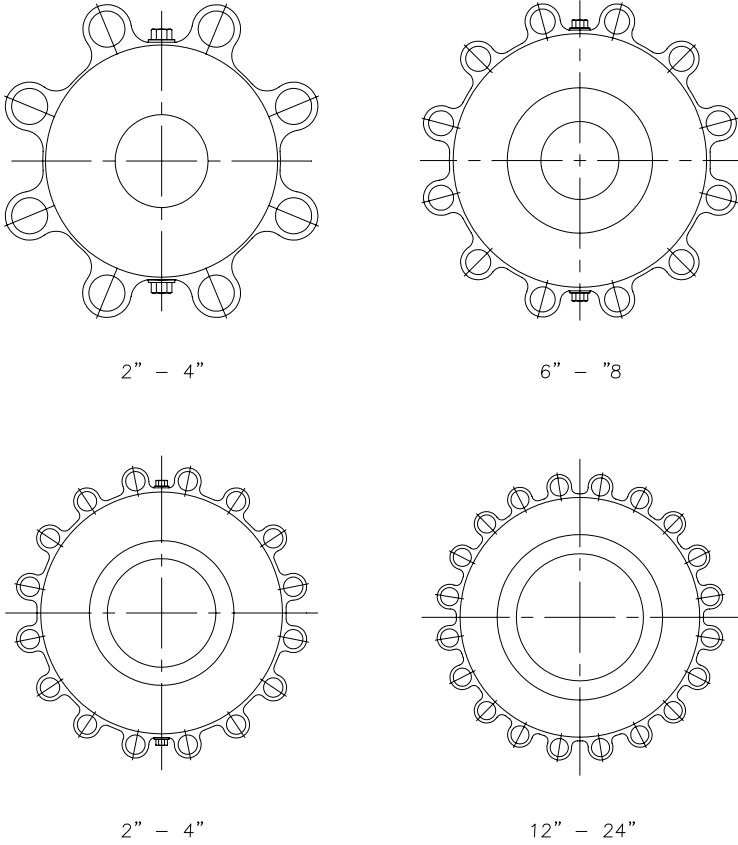


8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	142.88	69.85	–	57.15
3"	168.28	82.55	60.33	86.87
4"	206.38	101.60	82.55	113.03
6"	288.93	158.75	88.90	165.61
8"	358.78	206.38	130.18	206.50
10"	434.98	241.30	195.28	260.35
12"	498.48	292.10	206.38	300.23
14"	520.70	355.60	–	338.84
16"	574.68	384.18	161.93	387.35
18"	638.18	450.85	244.48	438.15
20"	698.50	450.85	406.40	487.43
24"	838.20	495.30	444.50	578.61



Hole
Configuration

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	229.8	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	168.52	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

DRAWING TITLE:
API 594 CAST STEEL CLASS 900
WAFER, RF, CHECK VALVES

CLIENT: –

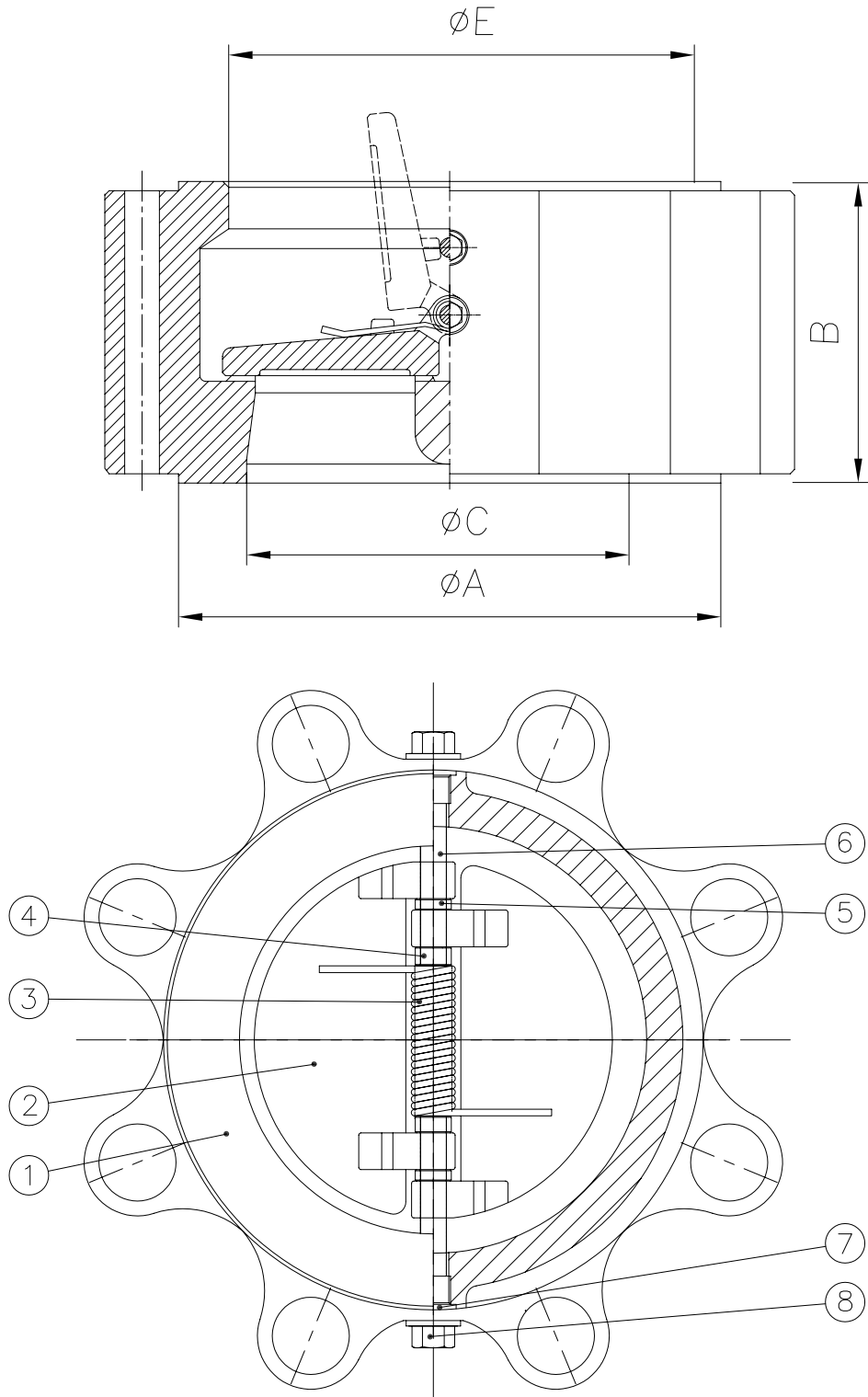
VENDOR PO REF: –

EVC REF: –



CAD. No.	DRAWING NUMBER: 120031			REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
				01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.

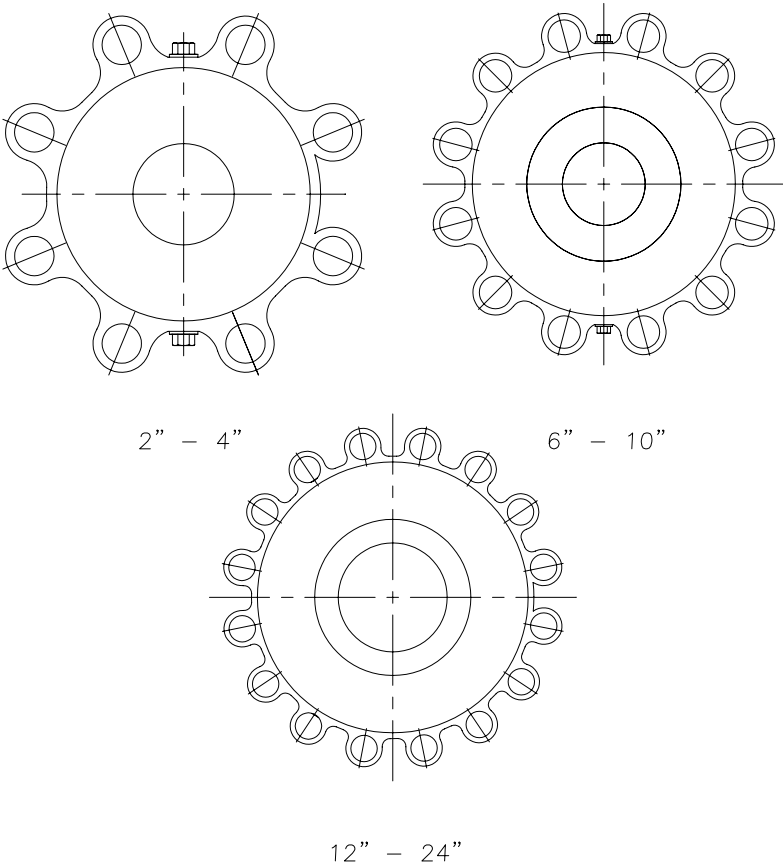


8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	142.88	69.85	—	57.15
3"	174.63	82.55	60.33	86.87
4"	209.55	101.60	82.55	113.03
6"	282.58	158.75	88.90	165.61
8"	352.43	206.38	130.18	206.50
10"	434.98	247.65	184.15	260.35
12"	520.70	304.80	209.55	300.23
14"	577.85	355.60	—	338.84
16"	641.35	384.18	161.93	387.35
18"	704.85	468.33	184.15	438.15
20"	755.65	533.40	209.55	487.43
24"	901.70	558.80	390.53	578.61



Hole
Configuration

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	337.9	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	280.8	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP		SCALE:		
							DRAWN	DM	DATE
							CHECKED	SMN	DATE
							APPROVED	AW	DATE

DRAWING TITLE:
API 594 CAST STEEL CLASS 1500
WAFFER, RF, CHECK VALVES

CLIENT: -

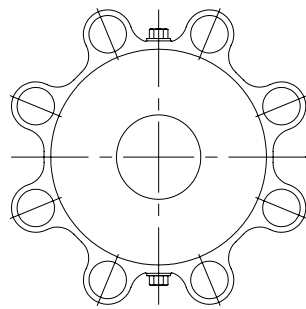
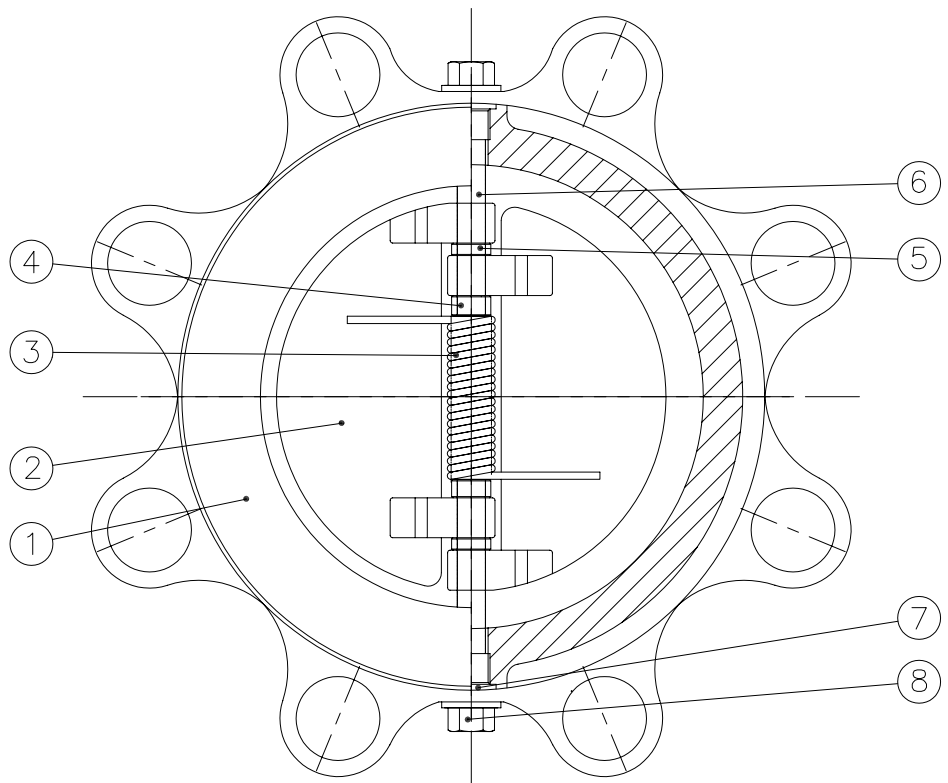
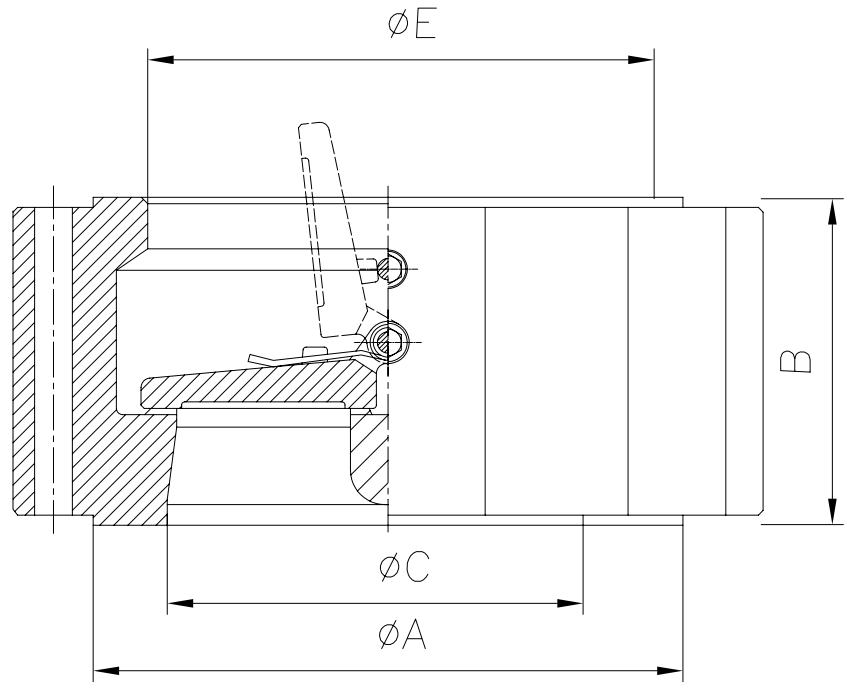
VENDOR PO REF: -

EVC REF: -

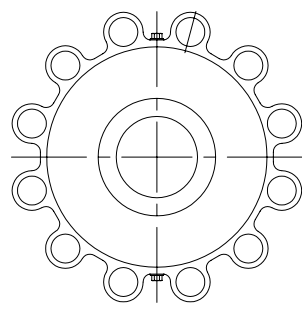


CAD. No.	DRAWING NUMBER: 120032			REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
				01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



2" - 6"



8" - 12"

Hole
Configuration

ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	638.2	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	468.0	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:
						DRAWN DM DATE
						CHECKED SMN DATE
						APPROVED AW DATE

8	STOP PIN	A182 F316		
7	GASKET	A182 F316		
6	HINGE PIN	A182 F316		
5	BEARING	A182 F316		
4	SPRING PLATE	A182 F316		
3	SPRING	INCONEL X750		
2	DISC	ASTM A351 CF8M		
1	BODY	ASTM A351 CF8M	ASTM 216 WCB	
	BODY SEAT	AS BODY		1
	PLATE SEAT	AS PLATE		2
NO.	Name	Material		Notes

NOTES

- Body Seat Overlay available - AISI 316 or Stellite 6
- Plate Seat Overlay available - AISI 316 or Stellite 6
-

Size Inches	Dimensions (mm)			
	A	B	C	D
2"	146.05	69.85	—	57.15
3"	196.85	85.73	60.33	86.87
4"	234.95	104.78	82.55	113.03
6"	317.50	158.75	88.90	165.61
8"	387.35	206.38	142.88	206.50
10"	476.25	254.00	190.50	260.35
12"	549.28	304.80	225.43	300.23

DRAWING TITLE:
API 594 CAST STEEL CLASS 2500
WAFER, RF, CHECK VALVES

CLIENT: -

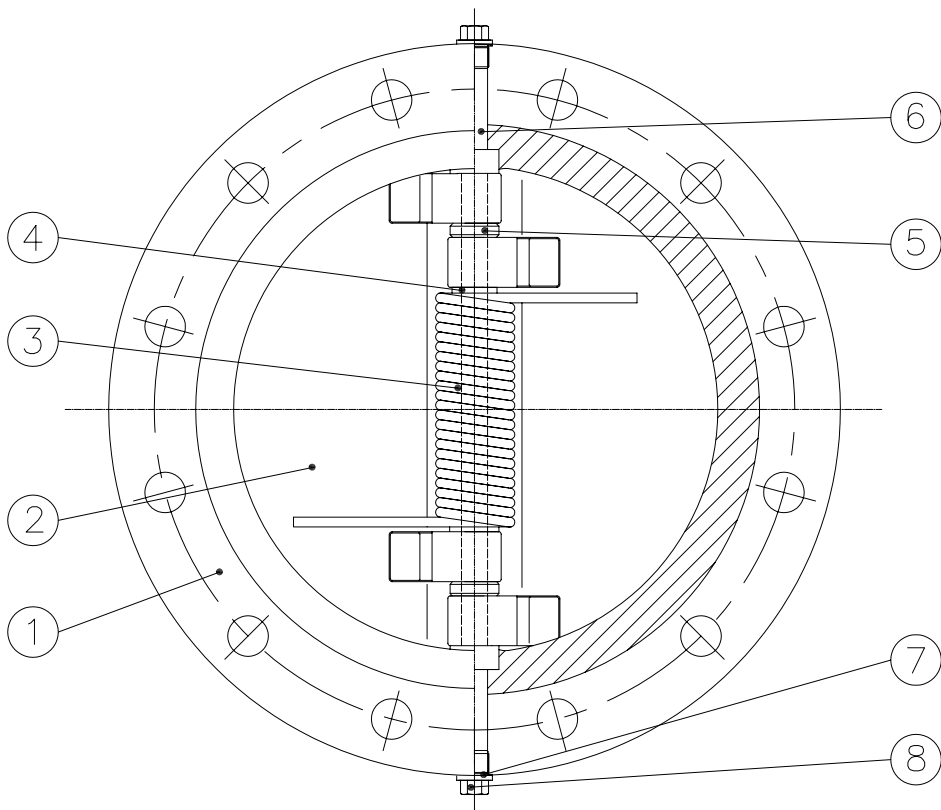
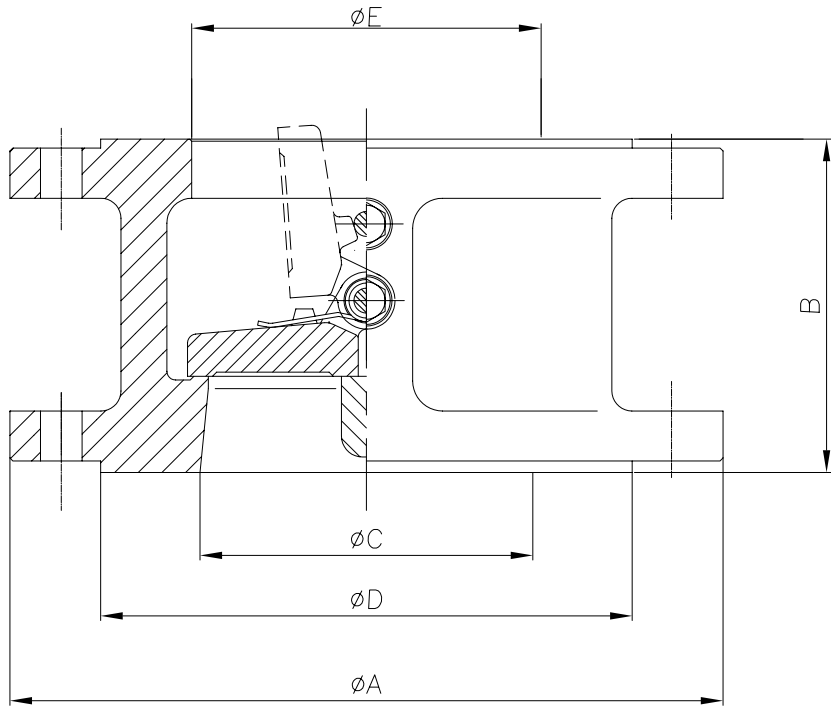
VENDOR PO REF: -

EVC REF: -



CAD. No.	DRAWING NUMBER: 120033				REV
	AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.
					01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	29.4	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	21.5	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:
						DRAWN DM DATE
						CHECKED SMN DATE
						APPROVED AW DATE

8	STOP PIN	A182 F316	
7	GASKET	A182 F316	
6	HINGE PIN	A182 F316	
5	BEARING	A182 F316	
4	SPRING PLATE	A182 F316	
3	SPRING	INCONEL X750	
2	DISC	ASTM A351 CF8M	
1	BODY	ASTM A351 CF8M	ASTM 216 WCB
	BODY SEAT	AS BODY	
	PLATE SEAT	AS PLATE	
NO.	Name	Material	
		Notes	

NOTES

- Body Seat Overlay available – AISI 316 or Stellite 6
- Plate Seat Overlay available – AISI 316 or Stellite 6
-

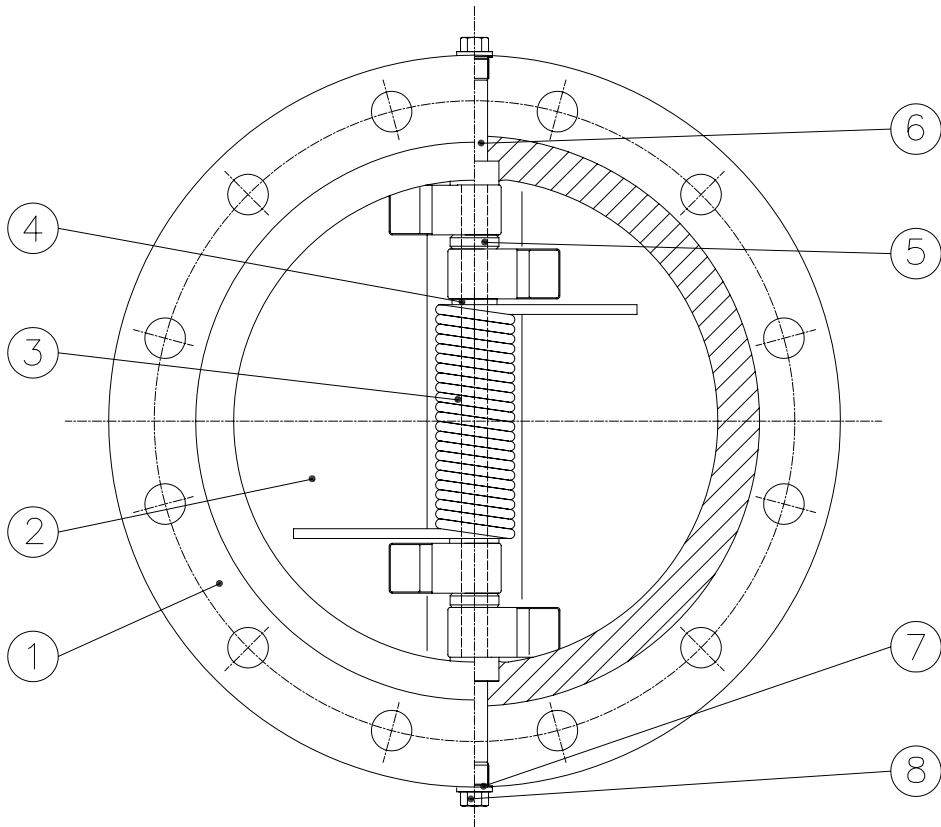
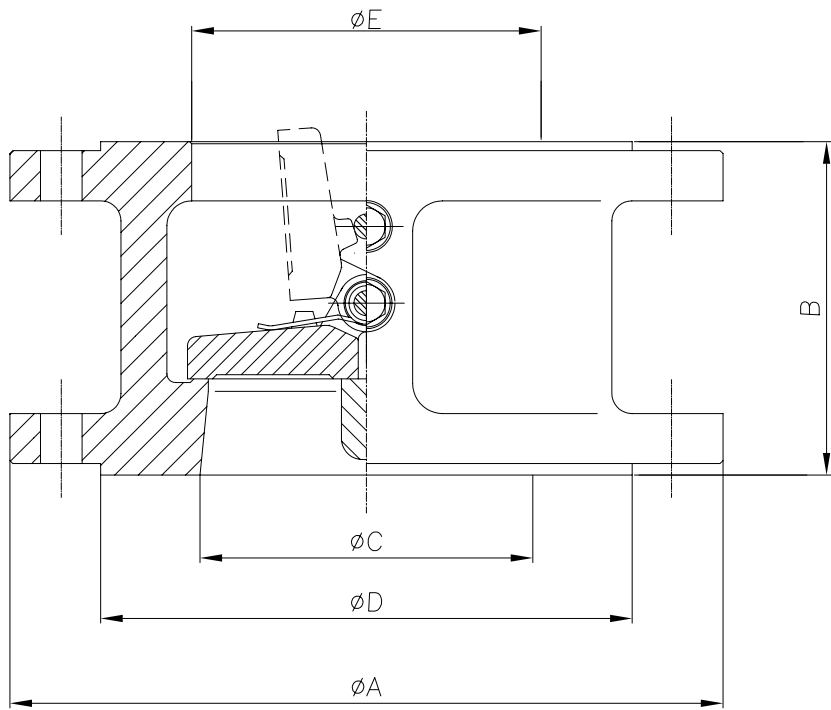
Size Inches	Dimensions (mm)					Hole size	Number of Bolts
	A	B	C	D	E		
8"	343	127	171	270	207	22	8
10"	406	146	235	324	260	25.4	12
12"	483	181	260	381	300	25.4	12
14"	533	184	286	413	413	28.5	12
16"	597	191	332	470	387	28.5	16
18"	635	203	395	533	438	31.8	16
20"	699	219	438	584	487	31.8	20
24"	813	222	537	692	579	35	20

DRAWING TITLE:
API 594 CAST STEEL CLASS 150
DOUBLE-FLANGED WAFER, RF, CHECK VALVES
CLIENT: -
VENDOR PO REF: -
EVC REF: -



CAD. No.	DRAWING NUMBER: 120034					REV
	AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.	01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	153.1	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	112.3	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:
						DRAWN DM DATE
						CHECKED SMN DATE
						APPROVED AW DATE

8	STOP PIN	A182 F316	
7	GASKET	A182 F316	
6	HINGE PIN	A182 F316	
5	BEARING	A182 F316	
4	SPRING PLATE	A182 F316	
3	SPRING	INCONEL X750	
2	DISC	ASTM A351 CF8M	
1	BODY	ASTM A351 CF8M	ASTM 216 WCB
	BODY SEAT	AS BODY	
	PLATE SEAT	AS PLATE	
NO.	Name	Material	
		Notes	

NOTES

1. Body Seat Overlay available – AISI 316 or Stellite 6
2. Plate Seat Overlay available – AISI 316 or Stellite 6
- 3

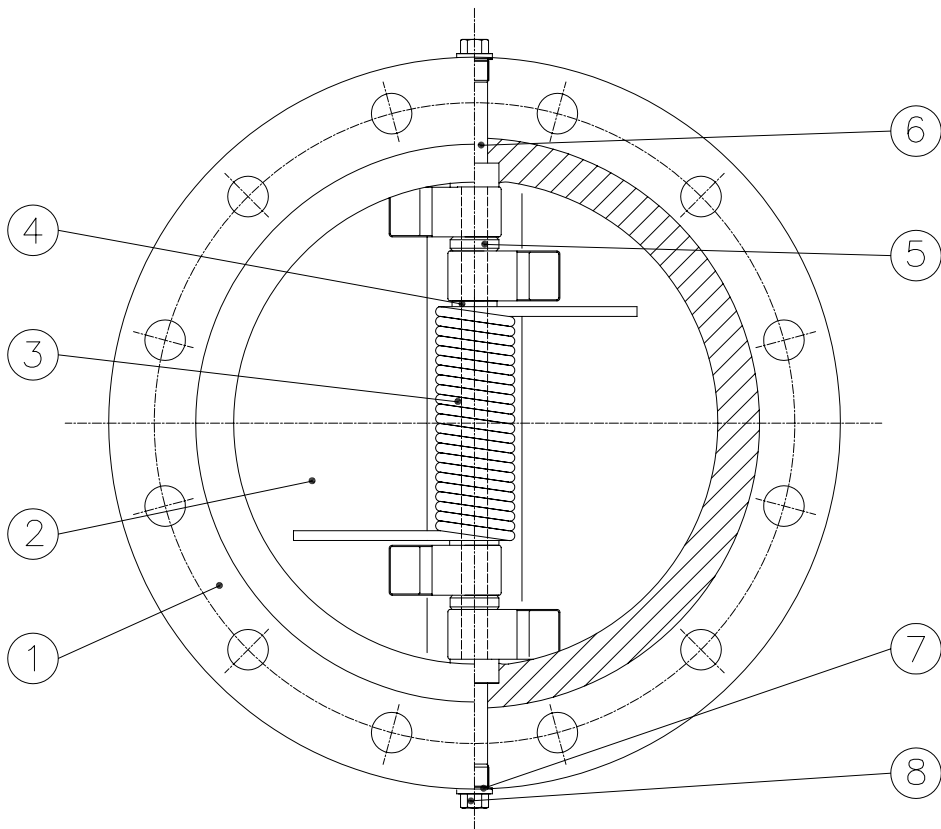
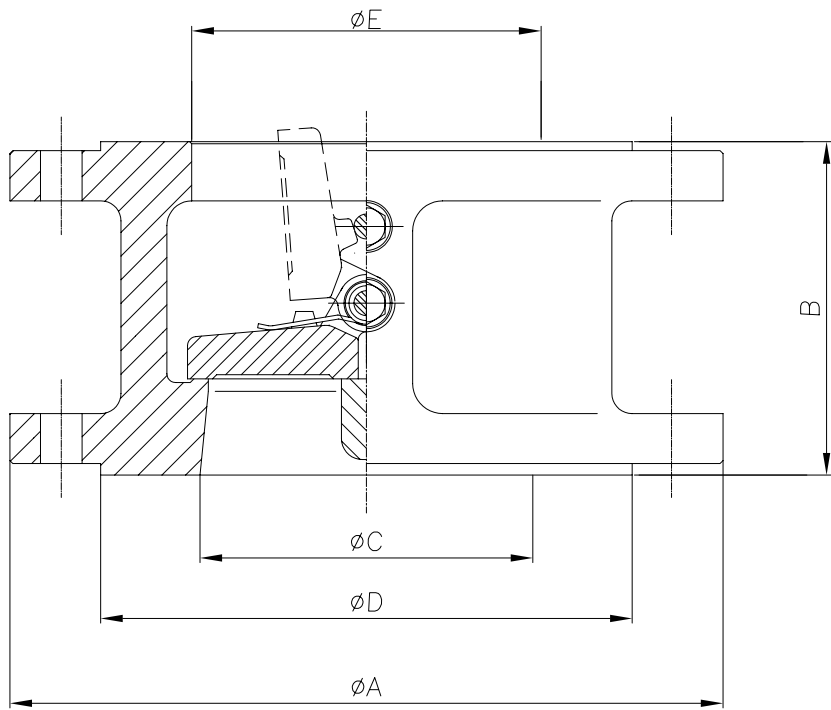
Size Inches	Dimensions (mm)					Hole size	Number of Bolts
	A	B	C	D	E		
8"	419	165	168	270	207	25.4	12
10"	508	213	200	324	260	28.4	16
12"	559	229	232	381	300	31.8	16
14"	603	273	232	413	339	31.8	20
16"	686	305	330	470	387	35.1	20
18"	743	362	330	533	438	35.1	24
20"	813	368	432	584	487	35.1	24
24"	940	438	510	692	579	41.1	24

DRAWING TITLE:
API 594 CAST STEEL CLASS 600
DOUBLE-FLANGED WAFER, RF, CHECK VALVES
CLIENT: -
VENDOR PO REF: -
EVC REF: -



CAD. No.	DRAWING NUMBER: 120040					REV
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.		01

PRESSURE & TEMPERATURE TO ANSI B16.34; MATERIALS TO NACE MR-01-75 Latest Edition; HINGE/STOP PINS MUST BE VERTICAL FOR HORIZONTAL FLOW; LIFTING BOLTS SUPPLIED FOR VALVES 6" AND LARGER
All drawings are subject to copyright, reproduction only with express permission of Edmund Valve Company (1965) Ltd. Subject to updating and revision.



ENGINEERING DATA

DESIGN CODE	API 594	TEST PRESSURES		
FACE TO FACE DIMENSIONS	API 594	BODY	229.8	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	168.52	Barg
TESTING CODE	API 598			

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:
						DRAWN DM DATE
						CHECKED SMN DATE
						APPROVED AW DATE

8	STOP PIN	A182 F316	
7	GASKET	A182 F316	
6	HINGE PIN	A182 F316	
5	BEARING	A182 F316	
4	SPRING PLATE	A182 F316	
3	SPRING	INCONEL X750	
2	DISC	ASTM A351 CF8M	
1	BODY	ASTM A351 CF8M	ASTM 216 WCB
	BODY SEAT	AS BODY	
	PLATE SEAT	AS PLATE	
NO.	Name	Material	
		Notes	

NOTES

1. Body Seat Overlay available – AISI 316 or Stellite 6
2. Plate Seat Overlay available – AISI 316 or Stellite 6
- 3

Size Inches	Dimensions (mm)					Hole size	Number of Bolts
	A	B	C	D	E		
8"	470	206	130	–	207	38.1	12
10"	546	241	195	–	260	38.1	16
12"	610	292	206	–	300	38.1	20
14"	641	356	0	–	339	41.1	20
16"	705	384	162	–	387	44.5	20
18"	787	451	244	–	438	50.8	20
20"	857	451	406	–	487	53.8	20
24"	1041	495	445	–	579	66.5	20

DRAWING TITLE:
API 594 CAST STEEL CLASS 900
DOUBLE-FLANGED WAFER, RF, CHECK VALVES
CLIENT: –
VENDOR PO REF: –
EVC REF: –



CAD. No.	DRAWING NUMBER:	120041	REV
AREA No.	FACILITY	TYPE	SEQ. No.
SHT. No.			01