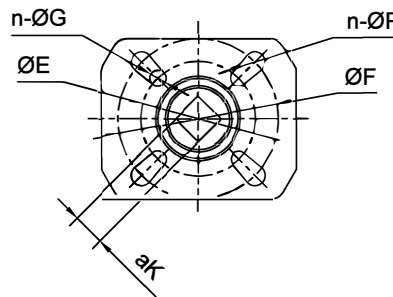


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No.	PART	Qty	MATERIAL
1	Bonnet	1	ASTM A351 CF8M
2	Bolt	-	ASTM A193 B8
3	Gasket	1	RPTFE
4	Ball	1	SS 316
5	Seat Ring	2	RPTFE
6	Body	1	ASTM A351 CF8M
7	Stem	1	ASTM A276 316
8	Stem Washer	1	RPTFE
9	Packing	-	RPTFE
10	Gland	1	ASTM A351 CF8
11	Hexagon Head Bolt	2	ASTM A193 B8
12	Stopper	1	SS 304
13	Snap Ring	1	SS 304
14	Handle	1	SS 201
15	Washer	1	SS 304
16	Spring Washer	4	SS 304
17	Hexagon Head Bolt	4	ASTM A193 B8
18	Coupler	1	ASTM A216 WCB + Ni
19	Yoke	1	ASTM A351 CF8
20			
21			
22			
23			
24			
25			

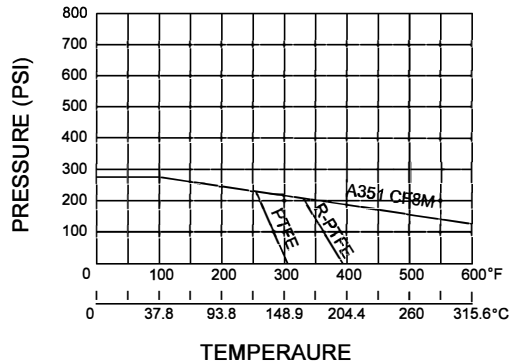
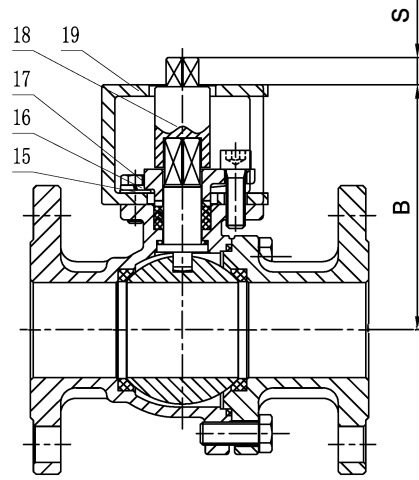
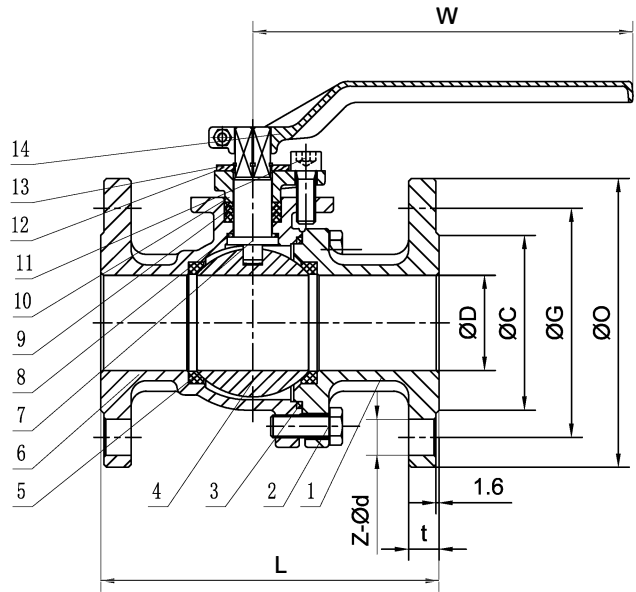
Test Pressure	Shell Test	3.0 MPa
	Seal Test	2.2 MPa
	Air Test	0.6 MPa
	Suitable Temp.	-29 ~ 180 °C
Standard	Face to Face	ASME B16.10
	End Connection	AS2129 Table E
	Valve Design	ANSI B16.34
	Valve Test	API 598

Dimensions (mm)

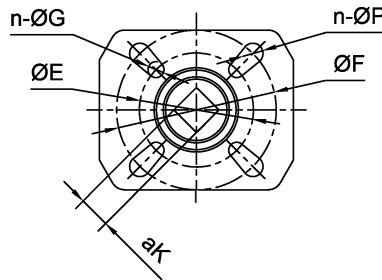
NPS	DN	L	D	C	G	O	t	Z-Ød	W	B	S	K	E	F	n-ØG	n-ØP
1/2"	15	108	15	35	67	90	10.0	4-Ø14	130	82	10	11	36	50	4-Ø6	4-Ø7
3/4"	20	117	20	43	73	100	10.9	4-Ø14	130	89	10	11	36	50	4-Ø6	4-Ø7
1"	25	127	25	51	83	110	11.6	4-Ø14	150	92	13	14	36	50	4-Ø6	4-Ø7
1 1/4"	32	140	32	63.5	87	115	13.2	4-Ø14	150	97	13	14	36	50	4-Ø6	4-Ø7

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Ball Valve, Class 150, Table E			
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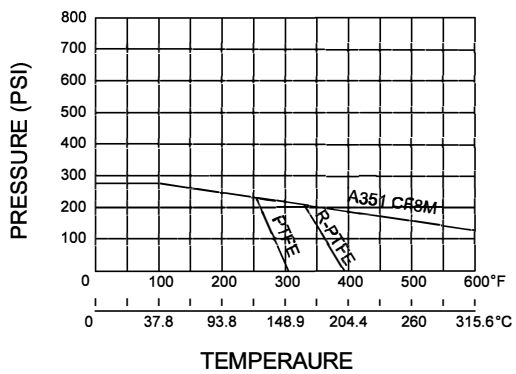
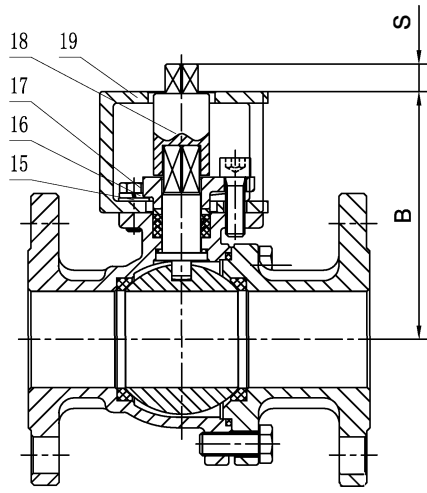
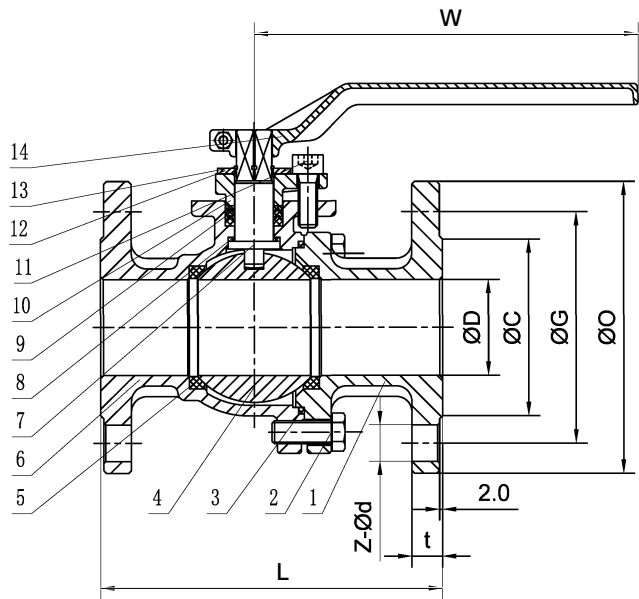
Dimensions (mm)

NPS	DN	L	D	C	G	O	t	Z-Ød	W	B	S	K	E	F	n-ØG	n-ØP
1 1/2"	40	165	38	73.0	98	125	14.7	4-Ø14	200	119	14	14	50	70	4-Ø7	4-Ø9
2"	50	178	50	91.0	114	150	16.3	4-Ø18	200	128	17	17	50	70	4-Ø7	4-Ø9
2 1/2"	65	190	63	104.0	127	180	17.9	4-Ø18	240	139	17	17	50	70	4-Ø7	4-Ø9

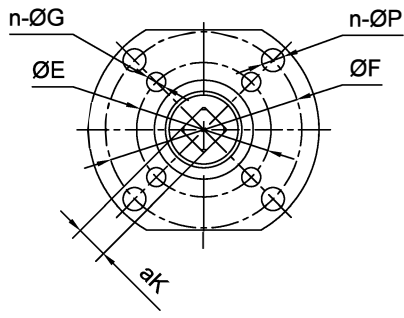
No.	PART	Qty	MATERIAL
1	Bonnet	1	ASTM A351 CF8M
2	Bolt	-	ASTM A193 B8
3	Gasket	1	RPTFE
4	Ball	1	SS 316
5	Seat Ring	2	RPTFE
6	Body	1	ASTM A351 CF8M
7	Stem	1	ASTM A276 316
8	Stem Washer	1	RPTFE
9	Packing	-	RPTFE
10	Gland	1	ASTM A351 CF8
11	Hexagon Head Bolt	2	ASTM A193 B8
12	Stopper	1	SS 304
13	Snap Ring	1	SS 304
14	Handle	1	SS 201
15	Washer	1	SS 304
16	Spring Washer	4	SS 304
17	Hexagon Head Bolt	4	ASTM A193 B8
18	Coupler	1	ASTM A216 WCB + Ni
19	Yoke	1	ASTM A351 CF8
20			
21			
22			
23			
24			
25			

Test Pressure	Shell Test	3.0 MPa
	Seal Test	2.2 MPa
	Air Test	0.6 MPa
	Suitable Temp.	-29 ~ 180 °C
Standard	Face to Face	ASME B16.10
	End Connection	AS2129 Table E
	Valve Design	ANSI B16.34
	Valve Test	API 598

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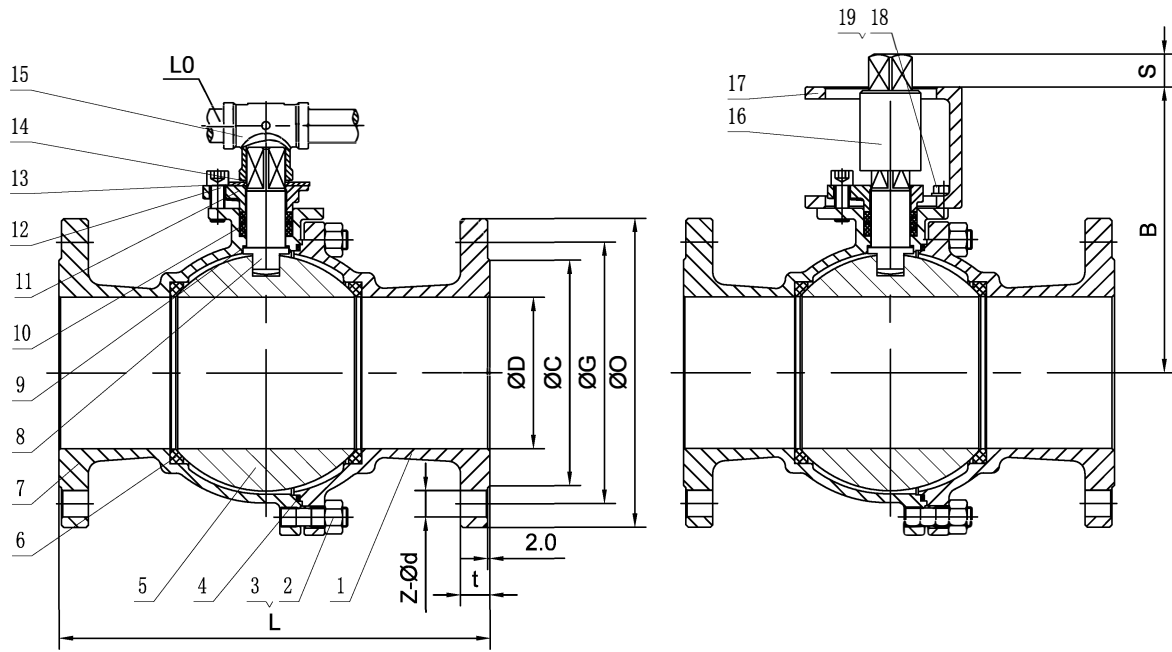
No.	PART	Qty	MATERIAL
1	Bonnet	1	ASTM A351 CF8M
2	Bolt	-	ASTM A193 B8
3	Gasket	1	RPTFE
4	Ball	1	SS 316
5	Seat Ring	2	RPTFE
6	Body	1	ASTM A351 CF8M
7	Stem	1	ASTM A276 316
8	Stem Washer	1	RPTFE
9	Packing	-	RPTFE
10	Gland	1	ASTM A351 CF8
11	Hexagon Head Bolt	2	ASTM A193 B8
12	Stopper	1	SS 304
13	Snap Ring	1	SS 304
14	Handle	1	SS 201
15	Washer	1	SS 304
16	Spring Washer	4	SS 304
17	Hexagon Head Bolt	4	ASTM A193 B8
18	Coupler	1	ASTM A216 WCB + Ni
19	Yoke	1	ASTM A351 CF8
20			
21			
22			
23			
24			
25			

Test Pressure	Shell Test	3.0 MPa
	Seal Test	2.2 MPa
	Air Test	0.6 MPa
	Suitable Temp.	-29 ~ 180 °C
Standard	Face to Face	ASME B16.10
	End Connection	AS2129 Table E
	Valve Design	ANSI B16.34
	Valve Test	API 598

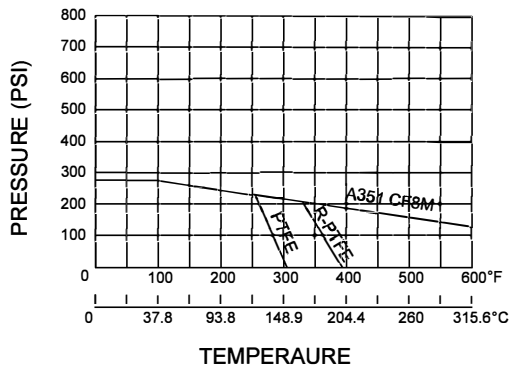
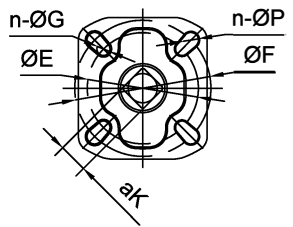
Drawing No.	Date	Figure No.	Rev No.	
AN	Feb 3, 2018	ARTTBV-TE	002	
Ball Valve, Class 150, Table E				
FLOCONTROL				

Dimensions (mm)

NPS	DN	L	D	C	G	O	t	Z-Ød	W	B	S	K	E	F	n-ØG	n-ØP
3"	80	203	76	123	146	190	19.5	4-Ø18	270	169	22	22	70	102	4-Ø10	4-Ø11
4"	100	229	100	155	178	230	24.3	8-Ø18	320	192	22	22	70	102	4-Ø10	4-Ø11



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Dimensions (mm)

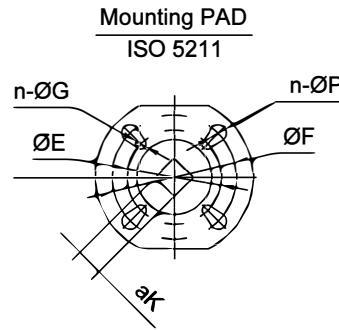
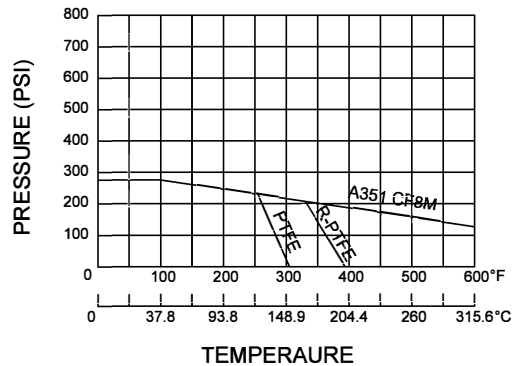
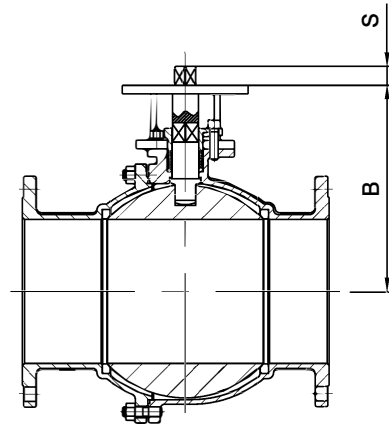
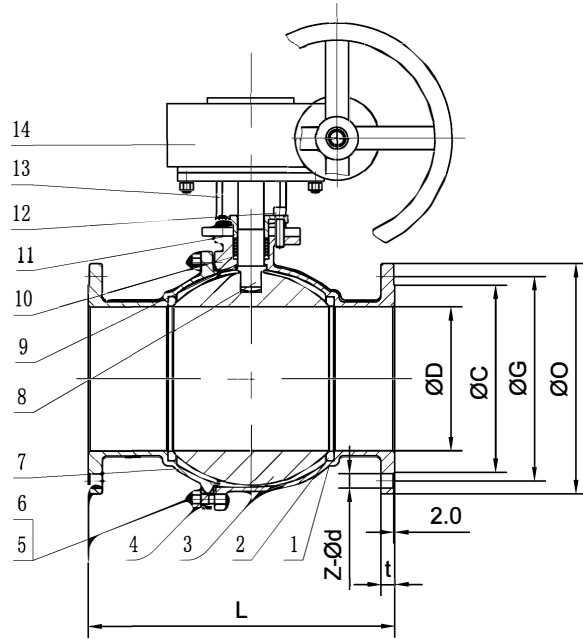
NPS	DN	L	D	C	G	O	t	Z-Ød	LO	B	S	K	E	F	n-ØG	n-ØP
5"	125	356	125	186	210	255	24.3	8-Ø18	550	236	27	27	-	125	-	4-Ø14
6"	150	394	150	208	235	280	25.9	8-Ø22	650	256	27	27	102	125	4-Ø12	4-Ø14
8"	200	457	200	265	292	345	29.0	8-Ø22	800	305	27	27	140	165	4-Ø18	4-Ø22

No.	PART	Qty	MATERIAL
1	Bonnet	1	ASTM A351 CF8M
2	Nut	-	ASTM A194 8
3	Stud	-	ASTM A193 B8
4	Gasket	1	RPTFE
5	Ball	1	SS 316
6	Seat Ring	2	RPTFE
7	Body	1	ASTM A351 CF8M
8	Stem	1	ASTM A276 316
9	Stem Washer	1	RPTFE
10	Packing	-	RPTFE
11	Gland	1	ASTM A351 CF8
12	Hexagon Head Bolt	2	ASTM A193 B8
13	Stopper	1	SS 304
14	Snap Ring	1	SS 304
15	Handle	1	KTH330 - 08
16	Packing Gland Ring	1	SS 304
17	Bolt	2	ASTM A193 B8
18	Washer	4	SS 304
19	Bolt	4	ASTM A194 8
20	Yoke	1	Q235A + ENP
21	Coupler	1	ASTM A216 WCB + Ni
22			
23			
24			
25			

Test Pressure	Shell Test	3.0 MPa
	Seal Test	2.2 MPa
	Air Test	0.6 MPa
	Suitable Temp.	-29 ~ 180 °C
Standard	Face to Face	ASME B16.10
	End Connection	AS2129 Table E
	Valve Design	ANSI B16.34
	Valve Test	API 598

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No.	PART	Qty	MATERIAL
1	Body	1	ASTM A351 CF8M
2	Seat Ring	2	RPTFE
3	Ball	1	SS 316
4	Gasket	1	RPTFE
5	Nut	-	ASTM A194 8
6	Stud	-	ASTM A193 B8
7	Bonnet	1	ASTM A351 CF8M
8	Stem	1	ASTM A276 316
9	Stem Washer	1	RPTFE
10	Packing	-	RPTFE
11	Gland	1	ASTM A351 CF8
12	Hexagon Head Bolt	2	ASTM A193 B8
13	Bracket	1	ASTM A216 WCB + ENP
14	Worm Gear	1	Assem Bly
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Test Pressure	Shell Test	3.0 MPa
	Seal Test	2.2 MPa
	Air Test	0.6 MPa
	Suitable Temp.	-29 ~ 180 °C
Standard	Face to Face	ASME B16.10
	End Connection	AS2129 Table E
	Valve Design	ANSI B16.34
	Valve Test	API 598

Drawing No.	Date	Figure No.	Rev No.
AN	Feb 3, 2018	ARTTBV-TE	002
Ball Valve, Class 150, Table E			
FLOCONTROL			



Dimensions (mm)

NPS	DN	L	D	C	G	O	t	Z-Ød	B	S	K	E	F	n-ØG	n-ØP
10"	250	533	250	324	356	405	30.6	12-Ø22	360	38	36	140	165	4-Ø18	4-Ø22
12	300	610	300	375	406	485	32.2	12-Ø26	400	38	36	140	165	4-Ø14	4-Ø22