

Model No.: AF-51C ANSI Class 150 / AF-53C PN10-40 . Blow-out proof stem.

- . Built—in ISO 5211 mounting pad for easy automation.
- Anti-static devices for ball-stem-body.
 Semi-encapsulated ball seats for cold flow resistance.
- . Investment casting up to $1/2" \sim 2"$. . Wide range of seat material selection .
- . Heavy duty body & end cap construction with traceable heat number.
- . Pressure balance hole in ball slot.
- . Pressure self relief seat to prevent pressure built up .
- . Viton O-Ring on Stem gives extra support

and assurance of tightness.

ITEM	Description	Material	Q'ty
1	Body	CF8M	1
2	End Cap	CF8M	1
3	Ball	CF8M	1
4	Anti Static Stem	17-4 PH SS	1
5	Ball Seat	PCTFE(KEL-F)	2
6	Body Seal	316 SPIRALWOUND+GRAFOIL	1
7	Thrust Washer	PCTFE(KEL-F)	1
	0-Ring	VITON	1
8	Stem Packing	PCTFE(KEL-F)	5
	Stem Nut	SS304	1
	Lock Saddle	SS304	1
11	Handle	SS304	1
	Stop Bolt	SS304	1
13	Stop Nut	SS304	1
14	Stop Washer	SS304	1
15	Handle Bolt	SS304	1
	Body Bolt	SS304	4
	Handle Sleeve	VINYL	1
	Extension	CF8M	1
	Thrust Bearing	25%CARBPN/75%PTFE	1
	Extension Gasket	GRAFOIL	1
21	Extension Bolt	SS304	4

SIZE	ØD	ØC	øВ	ØA	H1	H2	H3	L	Т	t	øn	Ν	С	h	□G	øE	øН
1/2″	15	35	60.5	89	48.0	200	282	108	10.5	1.6	16	4	156	8	9	F04	F05
3/4″	20	43	70	98.6	53.0	200	287	118	10.5	1.6	16	4	156	8	9	F04	F05
1″	25	51	79.5	108	58.0	200	297	127	11.2	1.6	16	4	181	10	11	F05	F07
1-1/2"	38	73	98.5	127	76.2	300	421	165	14.2	1.6	16	4	395	13	14	F07	F10
2"	50	92	120.5	152.5	85.2	300	430	178	16	1.6	19	4	395	13	14	F07	F10

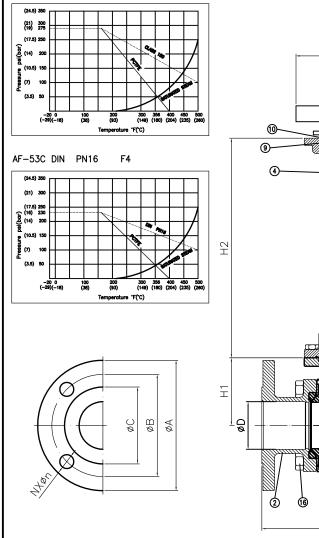
SIZE	ØD	øС	øВ	ØA	H1	H2	H3	L	Т	t	øn	Ν	С	h	□G	ØE	øН
DN15	15	45	65	95	48.0	200	282	115	16	2	14	4	156	8	9	F04	F05
DN20	20	58	75	105	53.0	200	287	120	18	2	14	4	156	8	9	F04	F05
DN25	25	68	85	115	58.0	200	297	125	18	2	14	4	181	10	11	F05	F07
DN40	38	88	110	150	76.2	300	421	140	18	3	18	4	395	13	14	F07	F10
DN50	50	102	125	165	85.2	300	430	150	20	3	18	4	395	13	14	F07	F10

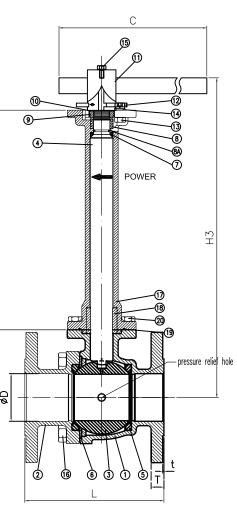
						MATERIAL	APPROVE		CHECK		DRAWN BY	Lawrence
					Class 150		SCALE	FREE	UNIT	mm	DATE	2010.03.18
					1/2"~2"		PART NO	AF-51C		\oplus	Q'TY	
					PN10/40	OTHER	DWG NO	AF-51	0		Cryogenic	Direct Moun
					DN15~50			AF-51	C		Flanged B	
					51113-500					L *		
REV	DATE	DESCRIPTION	CODE	REVISER	REMARKS		A	Anson Flow Corp.				

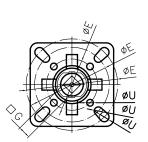
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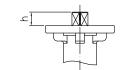
~ 2°











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6	Body Seal	GRAFOIL	2
7	Thrust Washer	PCTFE(KEL-F)	1
	0-Ring	VITON	1
8		PCTFE(KEL-F)	5
	Stem Nut	SS304	1
10	Lock Saddle	SS304	1
	Handle	SS304	1
12	Stop Bolt	SS304	1
13		SS304	1
14	Stop Washer	SS304	1
15	Handle Bolt	SS304	1
*16	Body Bolt	SS304	4
17	Extension	CF8M	1
18		25%CARBPN/75%PTFE	1
19	Extension Gasket	GRAFOIL	1
20	Extension Bolt	SS304	4

*16 Body Bolt 3" 6 4" 8

DIMENSIONS (mm) AF–51C ANSI CLASS 150

SIZE	ØD	øС	øΒ	ØA	H1	H2	H3	L	Т	t	Øn	Ν	С	h	□G	ØF	ØE	U
3″	80	127	152.5	190.5	101.9	301	448	203.0	19.1	1.6	19	4	495	19	17	22	F07/F10/F12	ø9/ø11/ø13
4″	100	157	190.5	229.0	123.5	301	469	229.0	23.9	1.6	19	8	650	21	22	28	F07/F10/F12	ø9/ø11/ø13

DIMENSIONS (mm) AF-53C DIN PN16 F4

SIZE	ØD	øС	øВ	ØA	H1	H2	H3	L	Т	t	Øn	Ν	С	h	□G	ØF	ØE	U
DN80	80	138	160	200	101.9	301	448	180	20	3	18	8	495	19	17	22	F07/F10/F12	ø9/ø11/ø13
DN100	100	158	180	220	123.5	301	469	190	20	3	18	8	650	21	22	28	F07/F10/F12	ø9/ø11/ø13

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							MATERIAL	APPROVE		CHECK		DRAWN BY	Lawrence
						Class 150		SCALE	FREE	UNIT	mm	DATE	2010.03.18
						3"~4"		PART NO	AF-51C		●□	Q'TY	
						PN16	OTHER	DWG NO	AF-51C			Cryogenic Direct Mou	
						DN80~100					TITLE	Flanged B	all Valve
									Flow Angon F			~	
RE	V	DATE	DESCRIPTION	CODE	REVISER	REMARKS		A	Anson Flow Corj				•