



Nominal pressure		150LB					
Test pressure	Shell test	3.0	MPa	test medium	water	Test temperature	normal temperature
	seal test	2.2					
	Gas seal test	0.6					
Applicable medium		water,oil,gas					
Applicable temperature		-29~180°C					

18	HEXAGON HEAD BOLT	1	A193 B8	A193 B8M
17	HANDLE	1	STAINLESS STEEL	STAINLESS STEEL
16	STOPPER	1	SS304	SS316
15	HANDLE WASHER	1	PVC	PVC
14	BOLT	2	A193 B8	A193 B8M
13	NUT	2	A194 8	A194 8M
12	SPRING WASHER	2	304	316
11	GLAND	1	A351 CF8	A351 CF8
10	PACKING	-	RPTFE	RPTFE
9	O-RING	1	VITON	VITON
8	STEM WASHER	1	RPTFE	RPTFE
7	STEM	1	A276 304	A276 316
6	BODY	1	A351 CF8	A351 CF8M
5	SEAT	2	RPTFE	RPTFE
4	BALL	1	SS304	SS316
3	GASKET	1	RPTFE	RPTFE
2	BOLT	-	A193 B8	A193 B8M
1	BONNET	1	A351 CF8	A351 CF8M

NOTE:  
 1.Design and Manufacture for valve according to ANSI B16.34-2009.  
 2.Face-to-face dimensions for valve according to ASME B16.10-2009.  
 3.End flange dimensions for valve according to ASME B16.5-2009.  
 4.Inspection and Test for valve according to API 598-2009.

SIZE	L	ød	øD	øD1	øD2	C	f	n-øb	W	H	øE	øF	Ra	Rb	TxT	
1"	DN25	127	25	110	79.4	50.8	12	2	4-ø16	150	90	42	50	3	3.5	11X11
1¼"	DN32	140	32	115	88.9	63.5	13	2	4-ø16	150	99	42	50	3	3.5	11X11
1½"	DN40	165	38	125	98.4	73	15	2	4-ø16	210	119	50	70	3.5	4.5	14X14
2"	DN50	178	50	150	120.7	92.1	16	2	4-ø19	210	125	50	70	3.5	4.5	14X14
2½"	DN65	190	63.5	180	139.7	104.8	18	2	4-ø19	240	138	50	70	3.5	4.5	14X14
3"	DN80	203	76	190	152.4	127	19	2	4-ø19	270	164	70	102	4.5	5.5	17X17
4"	DN100	229	100	230	190.5	157.2	24	2	8-ø19	320	208	70	102	4.5	5.5	22X22

NO.	DESCRIPTION	QTY	MATERIAL	
			AT227FS	AT228FS
			GENERAL DRAWING	
MARK			FLANGE BALL VALVE	
BEFORE MODIFIED	AFTER MODIFIED	DATE		
DRA.	APP.		SCALE	
CHK.	DATE		AT227FS/228FS	