

INSPECTION REPORT

Client:	*********************
Client order No:	1111716B
Factory:	******
Inspector:	Jack Lau
Report date:	Dec-2th~4th 2016



1. Product Description and amount of inspection

Item	Product Description	Quantity (SETS)							
item	Froduct Description	Order	Series no.	Inspected					
1	Duo-plate check valve 2"150lb	4	VC16061-001~004	4					
2	Duo-plate check valve 3"150lb	3	VC16061-005~007	3					
3	Ball valve 2"150lb	4	VC16059-002~003	4					
4	Three ways ball valve 2"150lb	2	VC16059-005~006	2					
5	Three ways ball valve 3"150lb	2	VC16059-007~008	2					
6	Three ways ball valve 8"150lb	1	VC16059-009	1					
	Total	16		16					

2. Inspection activities

2. Inspection activities
Inspection place & Date or Period:
Wuxing Industrial Area Oubei Town, Wenzhou City, Zhejiang Province, China.
Dec-2th~4th 2016
Stage of inspection :
☐ Before manufacturing
■ During manufacturing
□ Final
□ Packing
Kind of inspection:
☐ Pre-inspection meeting
■ Witnessing tests
☐ Material inspection
□ Document review
□ Packing
Results of inspection :
■ Satisfactory
□ Unsatisfactory
Main Conclusions & Remarks:
1,The torque was out of control at first time, then the supplier dis-assemble unit and assemble again,

1,The torque was out of control at first time, then the supplier dis-assemble unit and assemble again, We witness again and the torque was acceptable.

Product basic information on products is conducted by inspectors examine test and performance test, structure test, size, details are as follows:

- 1) visual inspection to check the basic information of the products, to record the scene visual information;
- 2) Inspection on the appearance of the product structure.
- 3) According to the requirements of the guests for the product structure length and flange size measurement, Record the measured data;



- 4) PMI TEST
- 5) According to the requirements of the guests on the performance of the product testing, testing standards, in accordance with API 598.
 - 6) Packing inspection.

In size and performance test before, Inspector has carried on the inspection to measure caliper and pressure gauge, Confirm that they are qualified and effective.



Fair Valve Inspection

Report No.:F-201612005

PMI INSPECTION

					Da	ta of Sp	ectrum Ana	lysis					
Material: CF8		C%	Si%	Mn%	Р%	S %	Cr%	Mo%	Ni%	Co%	Cu%	Fe%	Remark
ITEM	Heat No.	≪0.08	≪2	≤1.5	≤0.04	≤0.04	18~21	≪0.5	8~12	/	/	/	ASTM A351
Three ways ball valve 8"150lb-body	9965	/	/	0.97/0.80	/	/	18.47/18.38	0.19/0.16	8.31/8.29	0.27/0.17	0.17/ 0.16	71.64/71.91	PASS
Three ways ball valve 3"150lb-body	8809	/	/	1.26/1.46	/	/	18.62/18.46	0.07/0.07	8.51/8.15	/	0.06	71.38/71.87	PASS
Duo-plate check valve 3"150lb-disc	2198	/	/	1.04	/	/	18.25	0.09	8.18	0.39	0.10	71.95	PASS
Duo-plate check valve 2"150lb-disc	0822	/	/	1.11	/	/	18.13	0.09	8.49	0.24	0.27	72.08	PASS
Note:	NIL												
Comment:	NIL.												



					Da	ta of Sp	ectrum Ana	lysis					
Material: SS304		C%	Si%	Mn%	Р%	S%	Cr%	Mo%	Ni%	Co%	Cu%	Fe%	Remark
ITEM	Heat No.	≤0.08	≤1	≤2	≪ 0.045	≤0.03	18~20	≤0.5	8~11	/	/	/	ASTM A182
Three ways ball valve 2"150lb-body	DG1612	/	/	0.99/1.06	/	/	18.23/18.45	0.09/0.08	8.11/8.09	0.17/	/	72.41/72.70	PASS
Three ways ball valve 2"150lb-bonnet	DG1612	/	/	1.09/0.78	/	/	18.34/19.19	0.19/0.23	8.22/8.15	/	0.23	71.94/72.08	PASS
Three ways ball valve 2"150lb-ball	S6625	/	/	0.82/	/	/	18.43/	0.36/	8.19/	/	/	72.58/	PASS
Ball valve 2''150lb-body	Q163	/	/	1.21/1.20	/	/	18.36/18.18	0.21/0.20	8.27/8.33	0.18	/	72.34/72.30	PASS
Ball valve 2''150lb-bonnet	Q163	/	/	1.14/	/	/	18.70/	0.22/	8.32/	/	0.18/	71.84/	PASS
Ball valve 2"150lb-ball	K235	/	/	1.05/	/	/	18.64/	0.09/	8.48/	/	0.22/	71.93/	PASS
Duo-plate check valve 2"150lb-body	1609	/	/	1.37/1.16	/	/	18.10/18.32	0.12/0.13	8.32/8.46	0.16/0.19	0.07	72.14/72.14	PASS
Note:	NIL			-				-	-	-		-	
Comment:	NIL.												



Fair Valve Inspection

Report No.:F-201612005

PHOTO ATTACHMENT



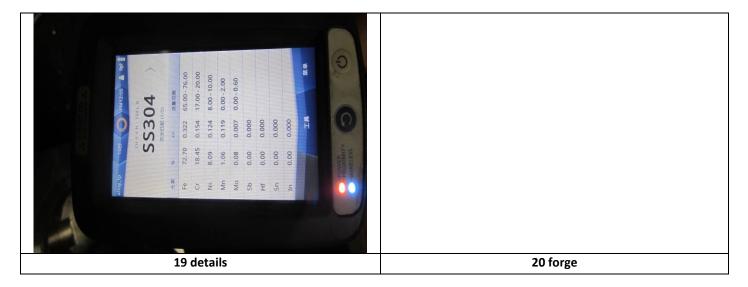






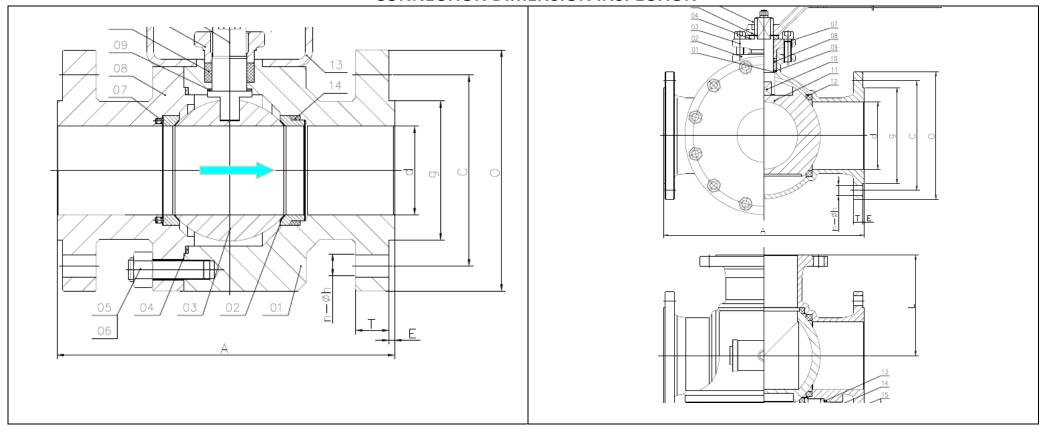




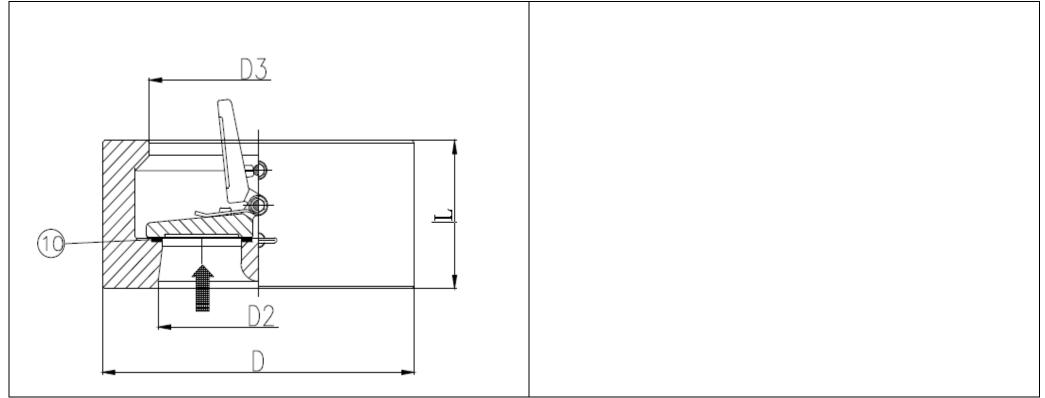




CONNECTION DIMENSION INSPECTION









Part 1	Item	No: D	uo-plat	e check v	alve 2''1	50lb												
								ı	Detailed n	neasureme	nt of bod	У						
Series No.		L		D		D2			D3									result:
	Spec	C	AS	Spec.	AS	Spec.	AS	; Sp	oec.	AS								
VC2016061-001		6	50.0		102.4		46.	5		56.0								PASS
VC2016061-002	60	6	8.03	402	102.4		46.			55.8								PASS
VC2016061-003	60	6	50.3	103	102.5	51	46.		56	55.8								PASS
VC2016061-004		6	50.7		102.4		46.	.5		55.6								PASS
<u> </u>	L			D					D3									result:
	Spec	С.	AS	Spec.	AS	Spec.	AS	; Sp	oec.	AS								
VC2016061-005		7	73.6		134.5		77.	0		87.8								PASS
VC2016061-006	73	7	73.8	135	134.7	80	77.	77.0 88	88	88.0	0							PASS
VC2016061-007		7	74.0		134.6		77.	.0		87.5								PASS
Part 3	Item	No: Ba	ıll valve	2"150lb														
								ſ	Detailed n	neasureme	nt of bod	у						
Series No.		A		0	(3		g		Т		E	n-	-¢h	d			result:
	Spe c.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS		
VC2016059-002	1	179.5	450	152.0	420.5	120.6	0.2	92.0	442	16.3	2	2.0		4-19.0	49.9		PASS	
VC2016059-003	178	179.6	150	152.0	120.5	120.4	92	91.8	14.3	16.3	2	2.4	4-19	4-19.0	49	50.0		PASS

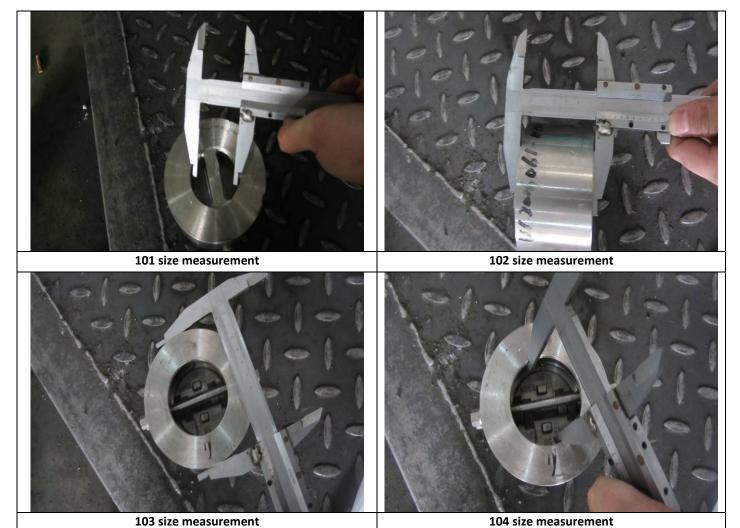


Fair Valve Inspection

Part 4	Item	No: Th	ree wa	ys ball va	alve 2"15	0lb													
								[Detailed m	easuremer	nt of body	У							
Series No.	Α		L		0		С		g		Т		E		n-⊄h		d		result:
Series No.	Spe c.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	resure
VC2016059-005	350		150.4	120.5	120.5	92	92.0	14.3	14.8	2	2.0	4-19	4-19.0	49	50.2	PASS			
VC2016059-006	330	350.0	1/3	175.2	130	150.5	120.5	120.6	32	92.0	14.5	15.3	2	2.0	4-13	4-19.0	49	50.1	PASS
Part 5	Item	No: Th	ree wa	ys ball va	alve 3"15	0lb													
							Detailed measurement of body												
Series No.	Α		L		0		С			g		Т		E		n-⊄h		d	
Series No.	Spe c.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	result:
VC2016059-007	280 281.2 140	140	139.5	190	190.0	150.4	152.0	427	127.0	17.5	19.5	2.0	4.10	4-19.0	76	78.0	PASS		
VC2016059-008		280			140.5	190	190.0	152.4	152.5	127	127.0	17.5	19.3	2	2.1	4-19	4-19.0	76	79.0
Part 6	Item	No: Th	ree wa	ys ball va	alve 8"15	0lb													
									Detailed m	easuremer	nt of body	У							
Series No.		A		L	()		С		g		T	E		n-⊄h		d		result:
Series No.	Spe c.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	Spec.	AS	resuit.
VC16059-009	550	551.8	275	274.5	343	343.0	298.5	298.3	269.9	268.0	27.0	29.0	2	2.1	8-22	8-22.0	201	201. 0	PASS



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STRENGTH AND SEAL INSPECTION REPORT

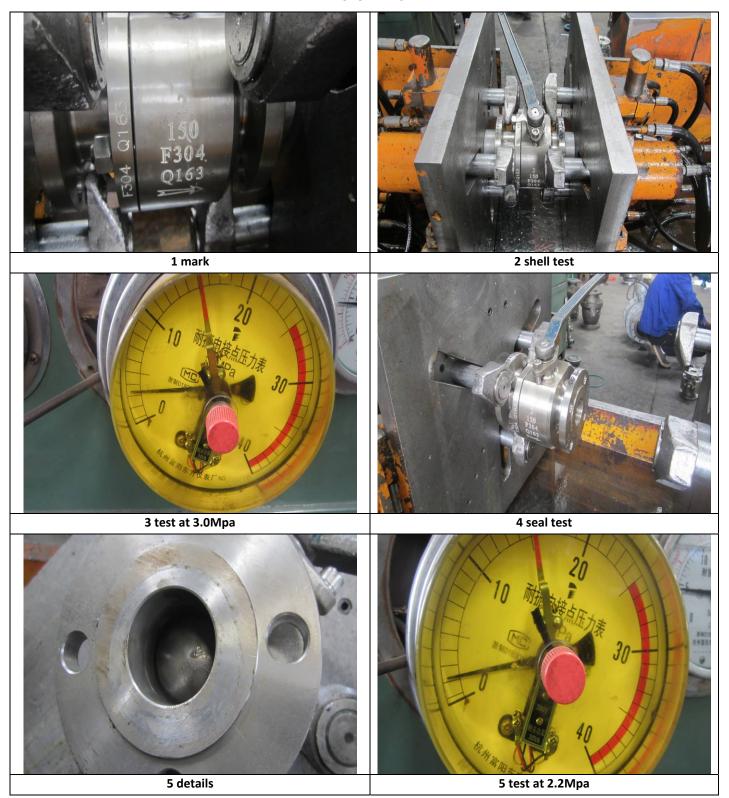
Details of Shell Strength/Seat Seal/ Pneumatic Pressure Inspection as below:

	C . N		Shell St	rength	High pressur	e Seat Seal	Pneumatic Press	Overall	
No.	Series No.	Item No.	Spec.(Mpa)	Result	Spec.(Mpa)	Result	Spec.(Mpa)	Result	Result
1	VC2016061-001	Duo-plate check valve 2"150lb	3.0	٧	2.2	٧	/	/	PASS
2	VC2016061-002	Duo-plate check valve 2"150lb	3.0	٧	2.2	٧	/	/	PASS
3	VC2016061-003	Duo-plate check valve 2"150lb	3.0	٧	2.2	٧	/	/	PASS
4	VC2016061-004	Duo-plate check valve 2"150lb	3.0	٧	2.2	٧	/	/	PASS
5	VC2016061-005	Duo-plate check valve 3"150lb	3.0	٧	2.2	٧	/	/	PASS
6	VC2016061-006	Duo-plate check valve 3"150lb	3.0	٧	2.2	٧	/	/	PASS
7	VC2016061-007	Duo-plate check valve 3"150lb	3.0	٧	2.2	٧	/	/	PASS
8	VC2016059-002	Ball valve 2"150lb	3.0	٧	2.2	٧	0.6	٧	PASS
9	VC2016059-003	Ball valve 2"150lb	3.0	٧	2.2	٧	0.6	٧	PASS
10	VC2016059-005	Three ways ball valve 2"150lb	3.0	٧	2.2	٧	0.6	٧	PASS
11	VC2016059-006	Three ways ball valve 2"150lb	3.0	٧	2.2	٧	0.6	٧	PASS
12	VC2016059-007	Three ways ball valve 3"150lb	3.0	٧	2.2	٧	0.6	٧	PASS
13	VC2016059-008	Three ways ball valve 3"150lb	3.0	٧	2.2	٧	0.6	٧	PASS
14	VC2016059-009	Three ways ball valve 8"150lb	3.0	٧	2.2	٧	0.6	٧	PASS
Remark	:: NIL						•		
Note:	-	y date of all pressure gauges was acceptable.							
		ge of series No. VC2016061-001 is 0.2ml/min, series No. VC2016061-005 is 0.2ml/min, serie							

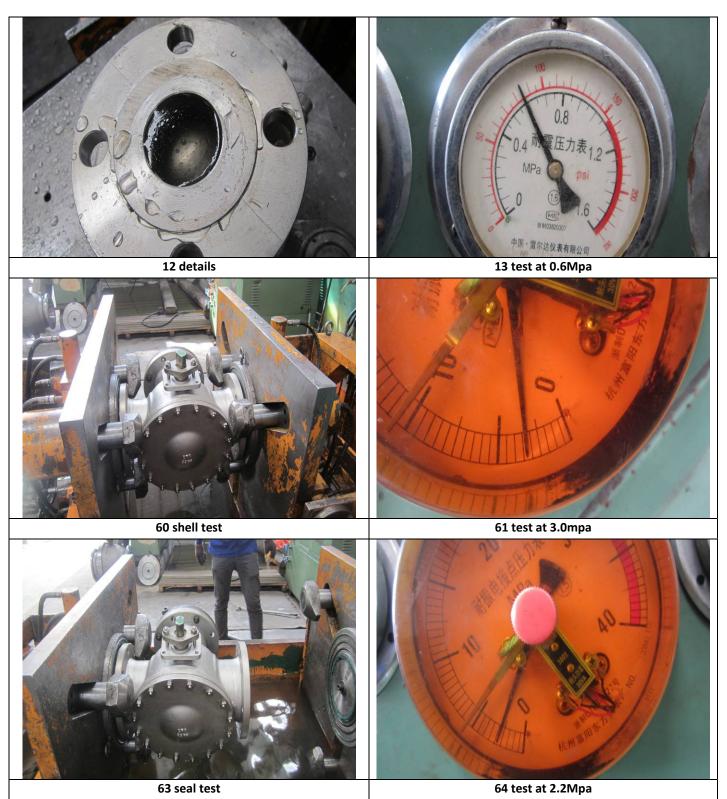


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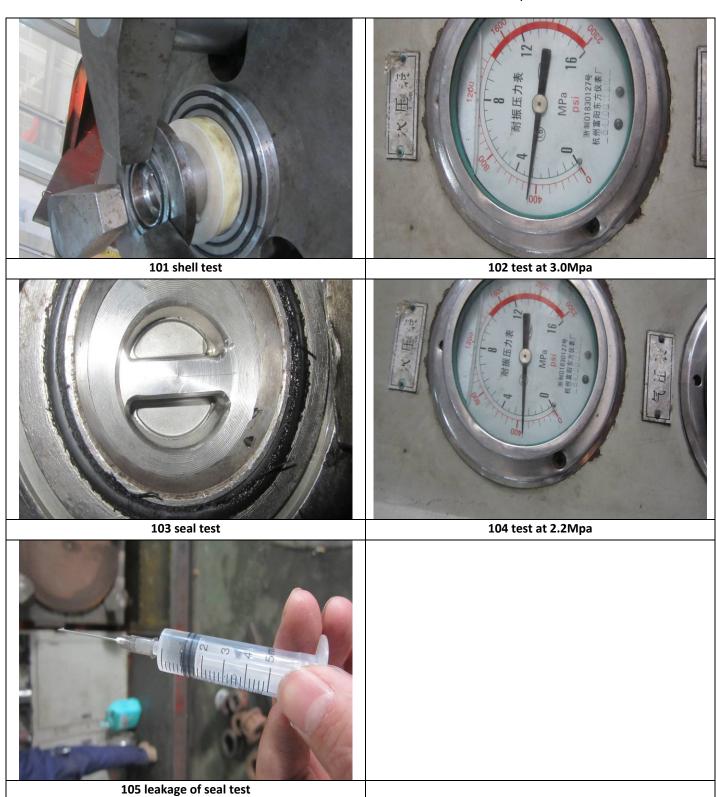














Fair Valve Inspection

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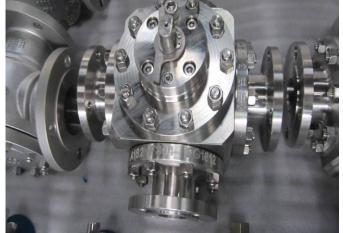
PACKING INSPECTION







2 units



5 units



6 nameplate

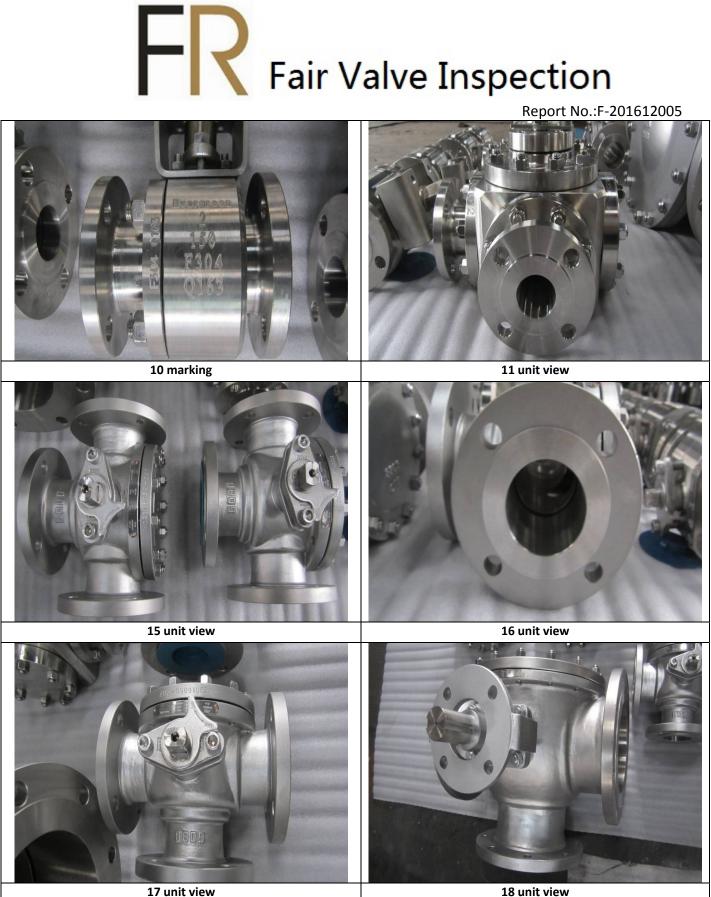


7 marking

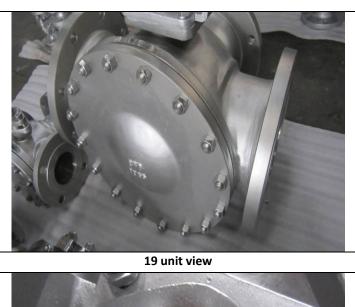


9 two ways ball valve











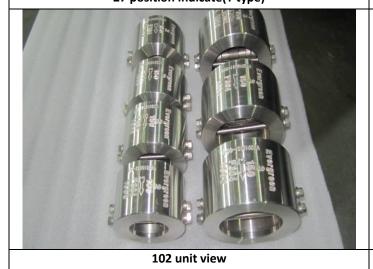
20 unit view





27 position indicate(T type)

28 postion indicate(L type)



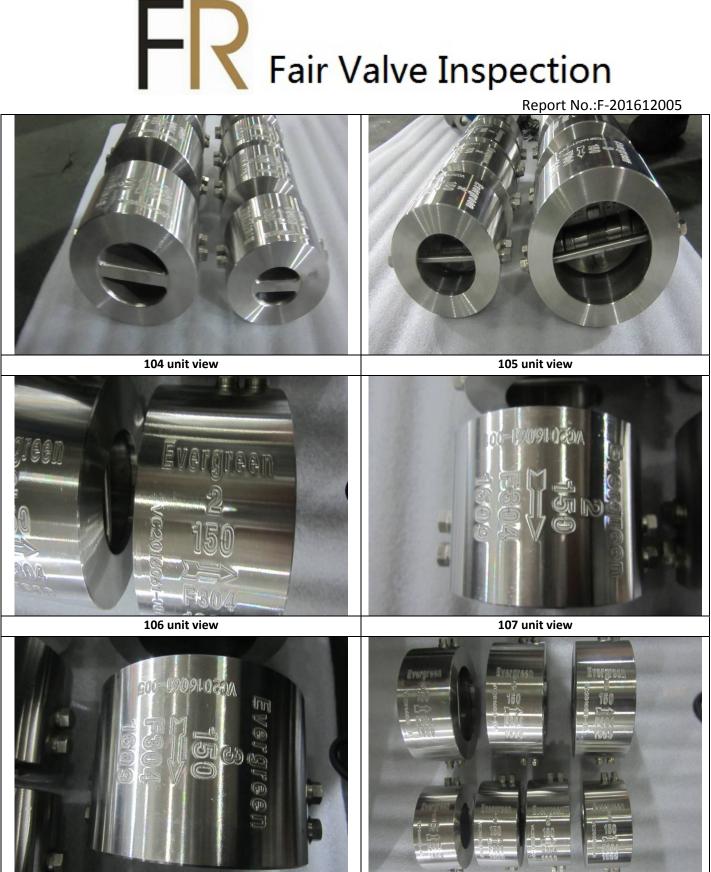


YOU EYES ON YOUR SUPPLY CHAIN



108 marking

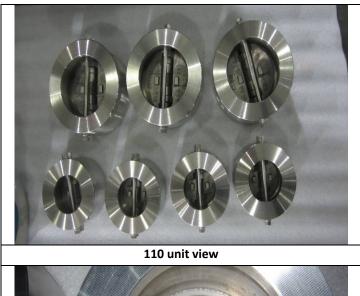
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109 unit view



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112 details

