



**SUPER-CHECK®**

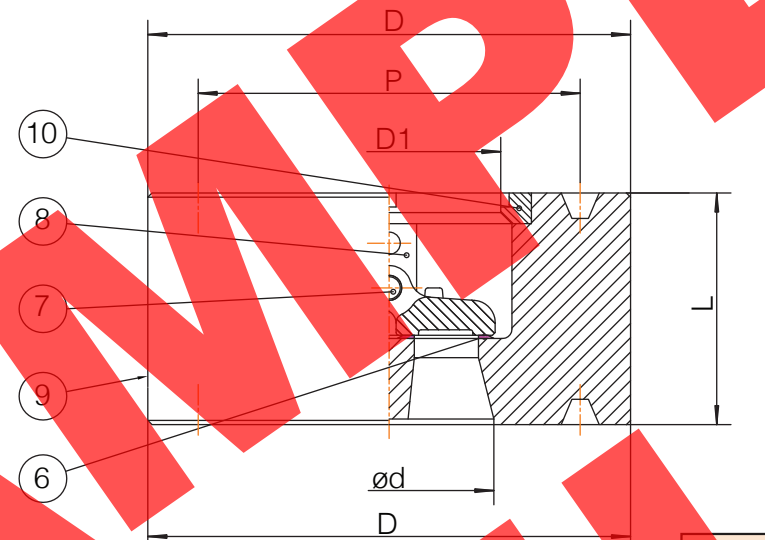
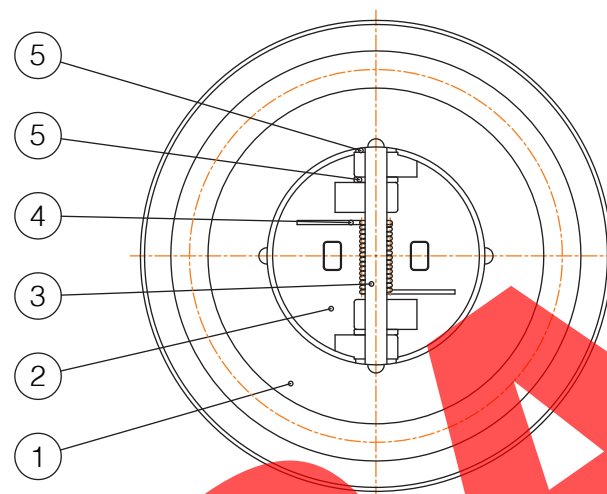
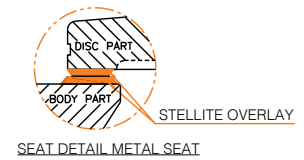
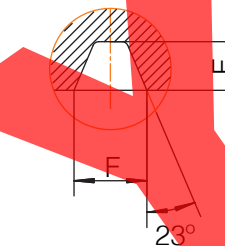
**AUSTRALIAN PIPELINE VALVE®**  
www.australianpipelinevalve.com.au

**BILL OF MATERIALS**

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A350 LF2	(1) (3)
2	PLATES	ASTM A351 CF8M	STL#6 OVERLAY
3	STOP PIN	ASTM A276 316	-
4	SPRING	INCONEL X750	-
5	BEARINGS	ASTM A276 316	-
6	SEAT	INTEGRAL	STL#6 OVERLAY
7	HINGE PIN	ASTM A276 316	(2)
8	PIN HOLDERS	ASTM A276 316	-
9	LABEL	AISI 316SS	-
10	RETAINER RING	ASTM A350 LF2	THREADED (1)
11	LIFTING EYE	AISI 1025 ZINC PLATED	≥150NB

(1) DUAL CERTIFIED ASTM A105N  
(2) STEM SMOOTHNESS ≤ Ra. 08.0 μm  
(3) CHARPIES IMPACT TESTED -46°C

**RTJ DIMENSIONS**



THIS VIEW IS ROTATED TO 90° TO SHOW THE ACTUAL OPERATION POSITION. THE PIN MUST BE VERTICAL FOR HORIZONTAL FLOW



**DIMENSIONS (MM) & WEIGHT (KG)**

Inch	DN	L	D	ød	D1	P	E	F	Weight
3"	80	86	197	75	82	127.0	9.53	13.49	15.9
4"	100	105	235	100	108	157.18	11.13	16.66	29.0

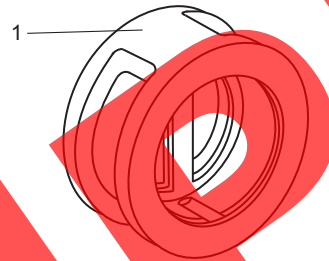
<b>RATING</b>	CL 2500	<b>TEST PRESSURE</b>	
<b>DESIGN &amp; MFG.</b>	API 594	<b>SHELL HYDRO</b>	<b>SEAT HYDRO</b>
<b>PRESS-TEMP RATING</b>	ASME B16.34	64.0 Mpa   9282 Psi	46.8 Mpa   6788 Psi
<b>FACE TO FACE DIM.</b>	API 594 & ASME B16.10	<b>SEAT AIR</b>	<b>BACKSEAT</b>
<b>END CONNECTION</b>	RTJ	Mpa   Psi	Mpa   Psi
<b>END DIMENSION</b>	ASME B16.5	<b>TEMPERATURE</b>	
<b>TEST &amp; INSPECTION</b>	API 598	-46 TO 538 °C	-51 TO 1000 °F
<b>MARKING/PAINT</b>	MSS SP-25, PAINT PP WF 07.002	<b>MEDIUM</b>	Water, Oil, Gas
<b>OTHER REQ.</b>	NACE MR-01-75/MR-01-03 (ISO 15156)		
<b>PORT SIZE</b>	STANDARD		
<b>TRIM</b>	316/STELLITE TRIM		
<b>SPECIAL</b>	-46°C CHARPIES TESTED BODY		
<b>SPECIAL</b>	≥ 50% LOWER SEAT LEAKAGE THAN API598 ALLOWS		

Wafer Check Valve, Retainerless Model 80~100AGW250GPRN9441A, NPS 3"~4" (DN80~DN100) Class 2500, RTJ, Dual Flap	<b>ORDER No/ DWG No</b>	XXXXXX-99	<b>APPROVED</b>	B.T.
	<b>REV.</b>	00	<b>CHECKED</b>	S.Q.
<b>Australian Pipeline Valve</b>			<b>DRAWN</b>	C.C.

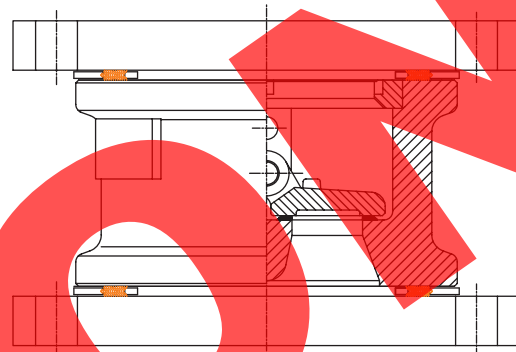
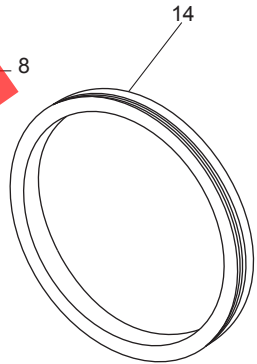
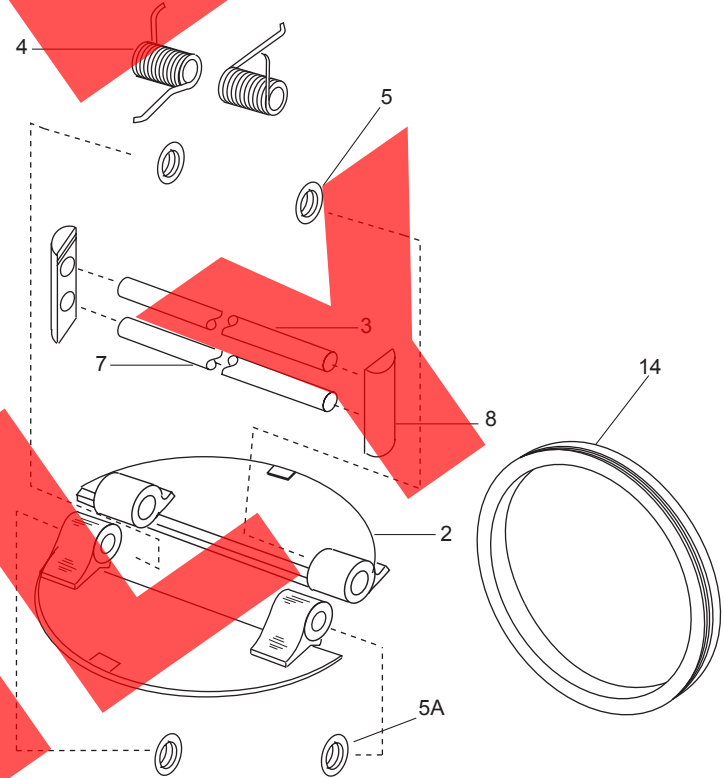


EXPLODED VIEW

ITEM	QTY	DESCRIPTION
1	1	BODY
2	2	PLATES
3	1	STOP PIN
4	1	SPRING
5	2	PLATE BEARINGS
5A	2	BODY BEARINGS
7	1	HINGE PIN
8	2	PIN RETAINERS
14	1	RETAINER RING (THREADED)



THREADED RETAINER STYLE



Gasket Sealing Area



<b>GENERAL SERVICE APPLICATION</b>	Carbon steel surfaces
<b>SCOPE</b>	Standard level protection against weathering, fresh & salt water, chemical atmosphere, petroleum products, alcohols and solvents
<b>TEMPERATURE RESISTANCE</b>	-46°C to 240°C
<b>PRELIMINARY SURFACE PREPARATION</b>	Blasting to Grade Sa 2.1/2. Cleaning with degreaser and washing with high pressure water at 100°C, and then drying in open air (over 8°C) 24 hours between coats
<b>PROTECTION OF UNPAINTED PARTS</b>	Protection with suitable plastic plugs and with sealing tape of: internal bore, flange sealing surface, welding ends
<b>FINAL SURFACE PREPARATION</b>	Final clean all surfaces free of impurities, dust etc. Machining to smoothness of ≤ 6,3µm where applicable
<b>PAINT APPLICATION</b>	Spraying with a gun, drying in between coats as per manufacturer's specification. Painting performed at 5 ~ 30°C at less than 85% humidity

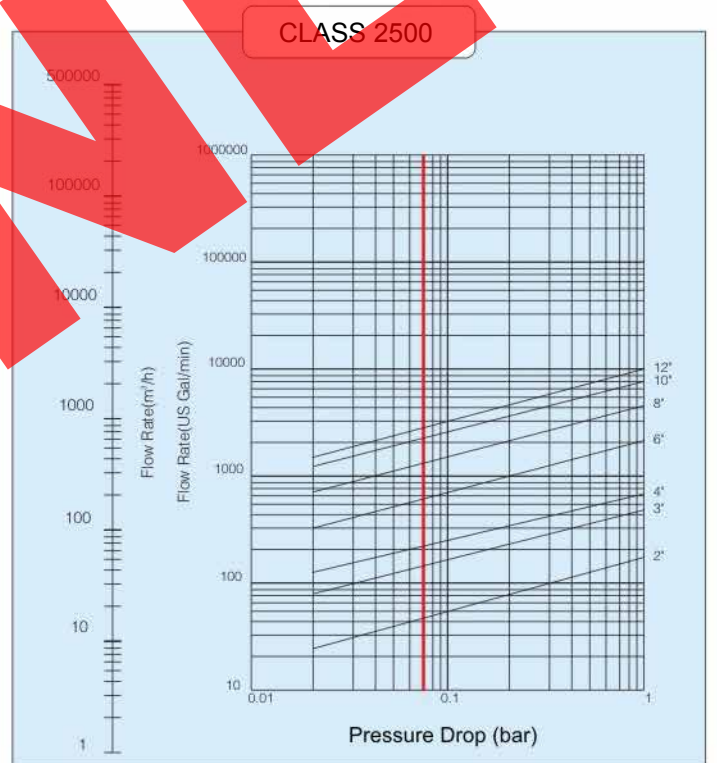
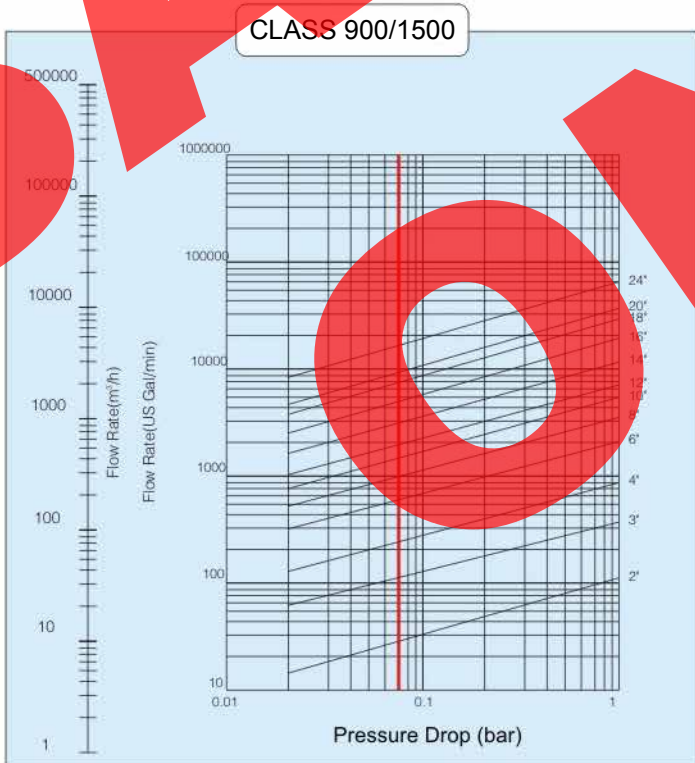
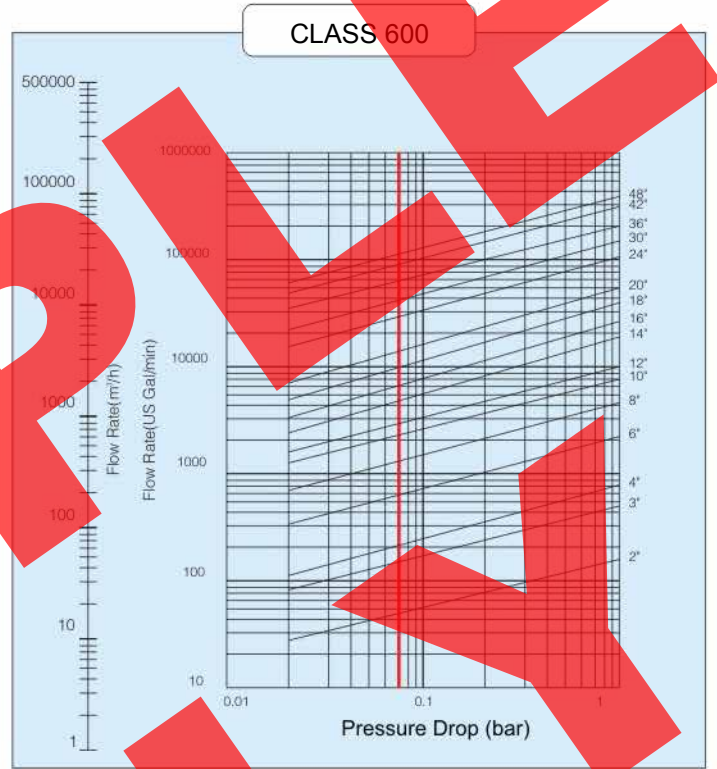
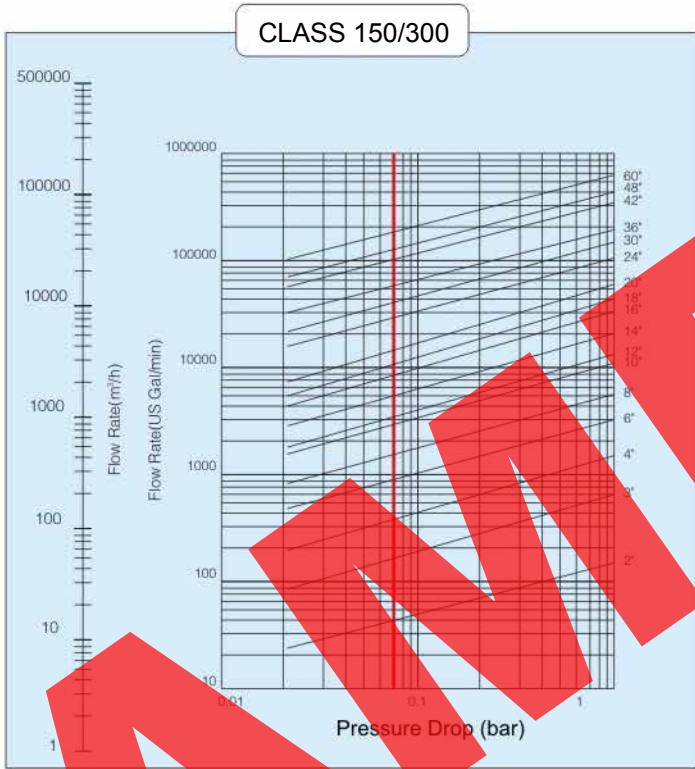
NO. OF COATS	TYPE OF PROCESS	TYPE	FILM THICKNESS
1st & 2nd Coat Body	Anti-rust self curing Epoxy Zinc primer	Zinc-rich Resin Epoxy Polyamide	40~50 µm total
3rd Coat Body	RAL9006 (Aluminium)	Silicone Acrylic Aluminium Resin	80 µm total
<b>TOTAL DRY FILM THICKNESS (BODY):</b>			<b>120~130 µm</b>

**NOTES:**  
 Application temperature, drying times and other physical data of painting as per manufacturer specifications.

Rev.	Date	Remarks	Issued by:
2	Sept 4th 2018	Fourth issue	GP



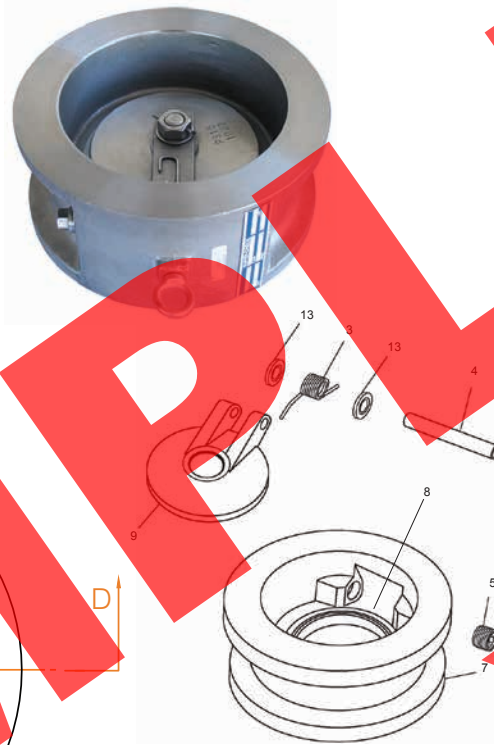
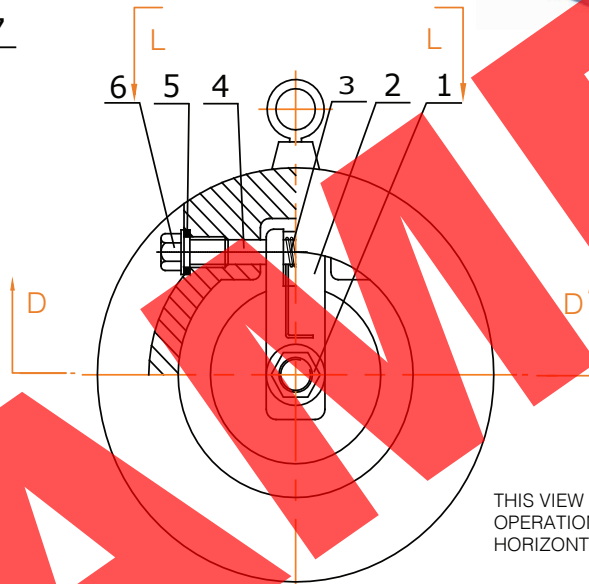
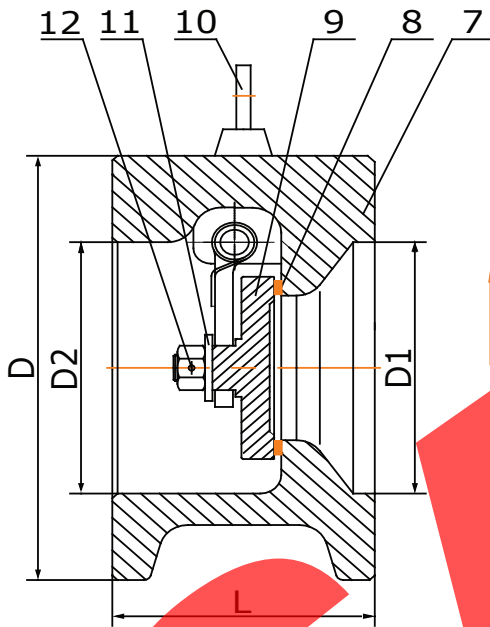
# WAFER CHECK VALVE PRESSURE LOSS/ FLOW COEFFICIENT (Cv)





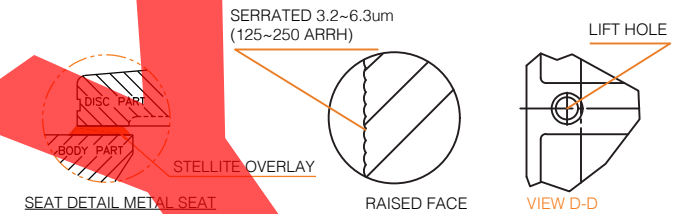
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**BILL OF MATERIALS**

NO.	PART NAME	MATERIAL	NOTES
1	DISC NUT	ASTM A193 BM	-
2	HINGE ARM	ASTM A276 SS316	-
3	SPRING	SS316	-
4	HINGE PIN	ASTM A276 SS316	-
5	WASHER	SS316	-
6	PLUG	ASTM A276 SS316	-
7	BODY	ASTM A351 CF8	-
8	SEAT	STELLITE#6	OVERLAY
9	PLATE	ASTM A351 CF8M	-
10	LIFT EYE	AISI 1025	≥ 150NB
11	WASHER	SS316	-
12	SPLIT PIN	SS316	-
13	BUSHINGS	SS316	≥ 150NB



SECTION D-D  
FLOW DIRECTION

**DIMENSIONS (MM) & WEIGHT (KG)**

Inch	DN	L	D	D1	D2	Weight
2"	50	60	110	51	56	2.5
3"	80	73	149	76	80	5.0
4"	100	73	191	100	100	9.0
6"	150	136	264	150	152	27
8"	200	165	318	190	200	48

Dimensions in millimeters

<b>RATING</b>	CL 600	<b>TEST PRESSURE</b>	
<b>DESIGN &amp; MFG.</b>	API 594	<b>SHELL HYDRO</b>	<b>SEAT HYDRO</b>
<b>PRESS-TEMP RATING</b>	ASME B16.34	15.0 Mpa   2175 Psi	11.0 Mpa   1600 Psi
<b>FACE TO FACE DIM.</b>	API 594 & ASME B16.10	<b>SEAT AIR</b>	<b>BACKSEAT</b>
<b>END CONNECTION</b>	RFSF 3.2-6.3 Ra	Mpa   Psi	Mpa   Psi
<b>END DIMENSION</b>	ANSI B16.5	<b>TEMPERATURE</b>	
<b>TEST &amp; INSPECTION</b>	API 598	ASME B16.34 <sub>TC</sub>	ASME B16.34 <sub>TF</sub>
<b>MARKING</b>	MSS SP-25	<b>MEDIUM</b>	Water, Oil, Gas
<b>OTHER REQ.</b>			
<b>PORT SIZE</b>	STANDARD		
<b>TRIM</b>	CF8/CF8M TRIM #10		
<b>NOTES</b>	INVESTMENT CAST		
<b>SPECIAL</b>	SEAT LEAKAGE API598: - 3CC/MIN/INCH, APV 1.5CC/MIN/INCH		

Wafer Check Valve, Model SLPD1B5K2H2AN1, NPS 2"~8" (DN50~DN200) Class 600, RF, Uni Flap	<b>ORDER No/ DWG No</b>	XXXXXX-99	<b>APPROVED</b>	B.T.
	<b>REV.</b>	00	<b>CHECKED</b>	S.Q.
<b>Australian Pipeline Valve</b>			<b>DRAWN</b>	C.C.

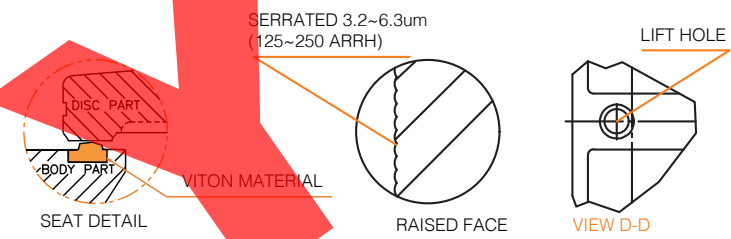
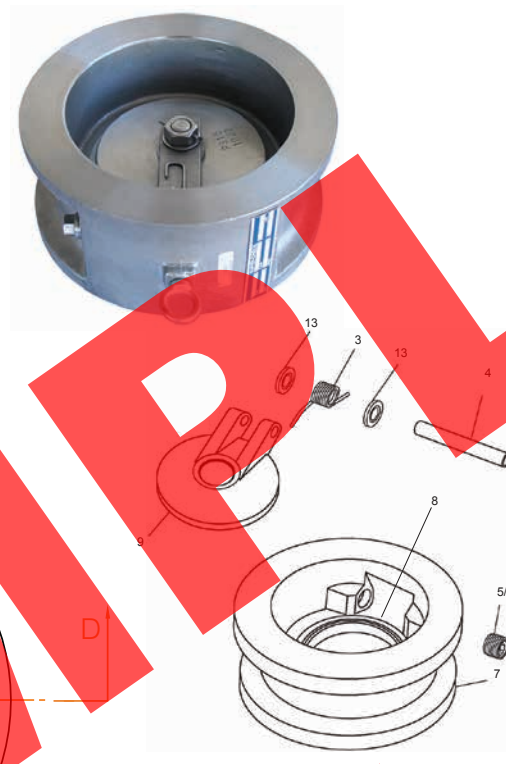
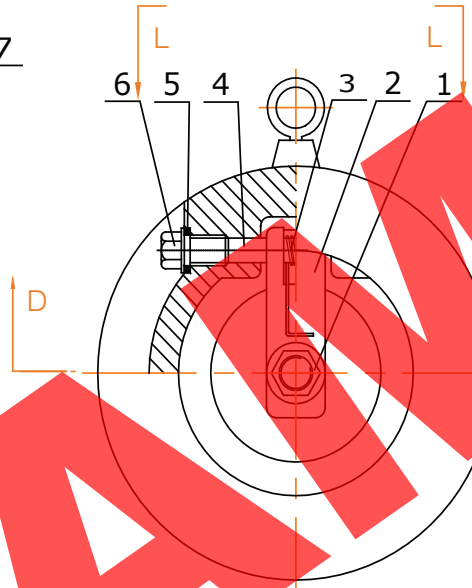
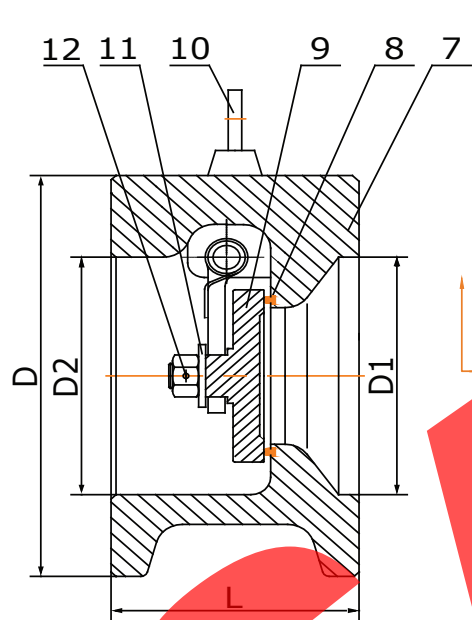


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**BILL OF MATERIALS**

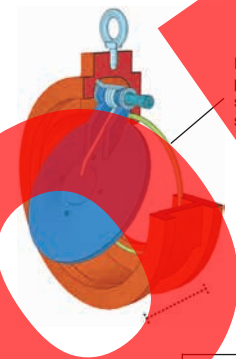
NO.	PART NAME	MATERIAL	NOTES
1	DISC NUT	ASTM A193 8M	-
2	HINGE ARM	ASTM A276 SS316	-
3	SPRING	SS316	-
4	HINGE PIN	ASTM A276 SS316	-
5	WASHER	SS316	-
6	PLUG	ASTM A276 SS316	-
7	BODY	ASTM A216 WCB	-
8	SEAT	VITON	-
9	DISC	ASTM A351 CF8M	-
10	LIFT EYE	AISI 1025	≥ 150NB
11	WASHER	SS316	-
12	SPLIT PIN	SS316	-
13	BUSHINGS	SS316	≥ 150NB



THIS VIEW IS ROTATED TO 90° TO SHOW THE ACTUAL OPERATION POSITION. THE PIN MUST BE VERTICAL FOR HORIZONTAL FLOW

SECTION D-D

FLOW DIRECTION



Resilient, Soft Seat coupled with precision encapsulated machines sealing surfaces ensure a bubble tight seal

**DIMENSIONS (MM) & WEIGHT (KG)**

Inch	DN	L	D	D1	D2	Weight
2"	50	60	103	51	56	3.0
3"	80	73	137	76	80	5.0
4"	100	73	175	102	108	8.0
6"	150	96	220	152	160	16
8"	200	127	277	203	210	30

Dimensions in millimeters

<b>RATING</b>	CL 150	<b>TEST PRESSURE</b>	
<b>DESIGN &amp; MFG.</b>	API 594	<b>SHELL HYDRO</b>	<b>SEAT HYDRO</b>
<b>PRESS-TEMP RATING</b>	ASME B16.34	3.1 Mpa   450 Psi	2.2 Mpa   319 Psi
<b>FACE TO FACE DIM.</b>	API 594 & ASME B16.10	<b>SEAT LP HYDRO</b>	<b>BACK SEAT</b>
<b>END CONNECTION</b>	RFSF 3.2~6.3 Ra	5.5 Mpa   80 Psi	Mpa   Psi
<b>END DIMENSION</b>	ANSI B16.5	<b>TEMPERATURE</b>	
<b>TEST &amp; INSPECTION</b>	API 598	-12 TO 135 °C	-10 TO 275 °F
<b>MARKING</b>	MSS SP-25	<b>MEDIUM</b>	Water, Oil, Gas
<b>OTHER REQ.</b>	HP & LP HYDROSTATIC TEST PERFORMED		
<b>PORT SIZE</b>	STANDARD		
<b>TRIM</b>	CF8M/VITON		
<b>NOTES</b>	INVESTMENT CAST		
<b>OTHER</b>	LEAK TIGHT SHUT OFF		

Wafer Check Valve, Model SLPA1A5K1B2AN1, NPS 2"~8" (DN50~DN200) Class 150, RF, UniT Flap	<b>ORDER No/ DWG No</b>	XXXXXX-99	<b>APPROVED</b>	B.T.
	<b>REV.</b>	00	<b>CHECKED</b>	S.Q.
<b>Australian Pipeline Valve</b>			<b>DRAWN</b>	C.C.