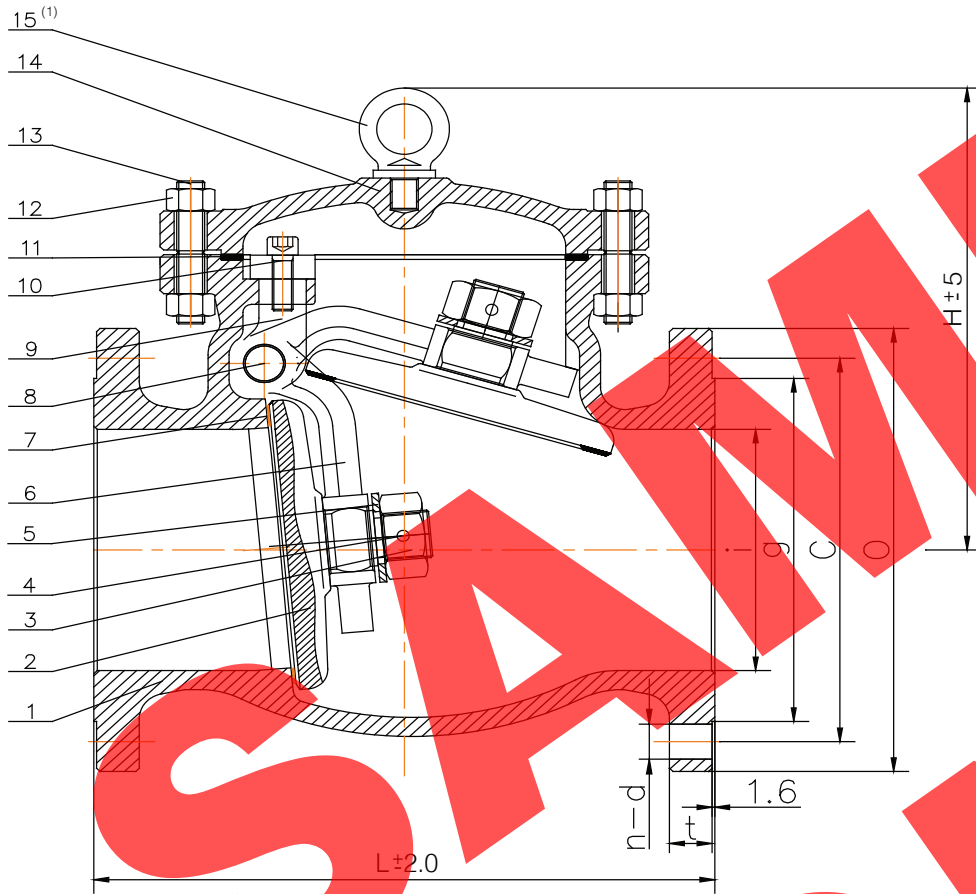




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BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A351 CF8	PICKLED & PASSIVATED
2	DISC	ASTM A351 CF8	-
3	NUT	ASTM A194 8M	-
4	SPLIT PIN	ASTM A276 304	-
5	WASHER	ASTM A276 304	-
6	HINGE	ASTM A351 CF8	-
7	SEAT	INTEGRAL	-
8	SHAFT	ASTM A276 304	(2)
9	SUPPORT FORK	ASTM A351 CF8	-
10	BOLT	ASTM A193 B8	-
11	GASKET (ENCAPSULATED)	316+FLEX GRAPH+PTFE	SPIRAL WOUND+PTFE INNER
12	BOLT	ASTM A193 B8	-
13	NUT	ASTM A194 8	-
14	BONNET	ASTM A351 CF8	PICKLED & PASSIVATED
15	LIFTING EYELET	CARBON STEEL	(1) ZINC PLATED

(1) ≥ 100NB (4")
(2) STEM SMOOTHNESS Ra ≤ 0.80 μm IN ACCORDANCE WITH API 594

DIMENSIONS (MM) & WEIGHT (KG)

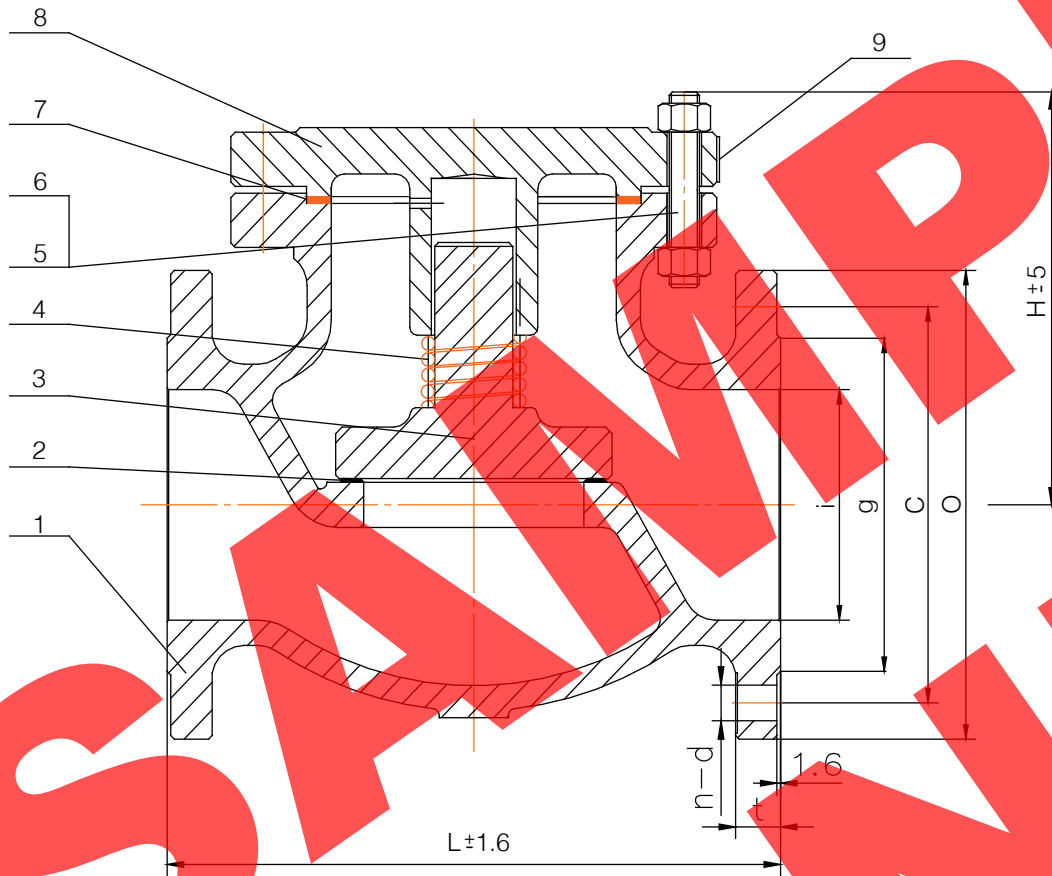
Inch	DN	L	i	O	C	g	n-d	t	H	Weight
2"	50	203	50.8	150.0	127.0	92	4-19	16	144	17
2 1/2"	65	216	63.5	180.0	139.7	105	4-19	15.9	150	23
3"	80	241	76.2	190.0	152.4	127	4-19	19	166	25
4"	100	292	101.6	230.0	190.5	157	8-19	24	223	40
5"	125	330	127.0	255.0	216.9	186	8-22	24	270	68
6"	150	356	152.4	280.0	241.3	216	8-22	26	265	85
8"	200	495	203.0	345.0	298.5	270	8-22	29	325	137
10"	250	622	254.0	405.0	362.0	324	12-25	31	385	207

RATING	CL 150	TEST PRESSURE	
DESIGN & MFG.	ASME B16.34 & BS1868	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B16.34	2.9 Mpa / 425 Psi	2.2 Mpa / 325 Psi
FACE TO FACE DIM.	ASME B16.10	SEAT AIR	BACKSEAT
END CONNECTION	RFSF 3.2-6.3Ra	Mpa / Psi	Mpa / Psi
END DIMENSION	ASME B16.5	TEMPERATURE	
TEST & INSPECTION	API 598/ISO 5208	ASME B16.34 TC	ASME B16.34 TR
MARKING	MSS SP-25	MEDIUM	Water, Oil, Gas
OTHER REQ.	PICKLED & PASSIVATED BODY		
PORT SIZE	FULL PORT		
TRIM	API #10		
NOTES	NACE MR-01-75 & MR-01-03 (ISO 15156)		
OTHER	INVESTMENT CAST		

Check Valve, Swing, Model 50~250AP147LD8, NPS 2"~10" (DN50~DN250) Class 150, RF, BB	ORDER No/ DWG No	XXXXXX-99	APPROVED	B.T.
	REV.	00	CHECKED	S.Q.
Australian Pipeline Valve			DRAWN	C.C.



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BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A351 CF8M	PICKLED & PASSIVATED
2	SEAT	ASTM A351 CF8M	-
3	DISC	ASTM A351 CF8M	-
4	SPRING	SS316	-
5	BOLT	ASTM A194 B8M	-
6	NUT	ASTM A194 B8	-
7	GASKET	SS316+PTFE	SPIRAL WOUND
8	BONNET	ASTM A351 CF8M	PICKLED & PASSIVATED
9	NAME PLATE	SS304	-

RATING	CL 150	TEST PRESSURE	
DESIGN & MFG.	API600 / BS1873	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B16.34	2.9 Mpa 425 Psi	2.2 Mpa 325 Psi
FACE TO FACE DIM.	ASME B16.10	SEAT AIR	BACKSEAT
END CONNECTION	RFSF 3.2-6.3Ra	- Mpa - Psi	- Mpa - Psi
END DIMENSION	ASME B16.5	TEMPERATURE	
TEST & INSPECTION	API 598/ISO 5208	ASME B16.34 _{TC}	ASME B16.34 _{TF}
MARKING	MSS SP-25	MEDIUM	W.O.G/Chemical
OTHER REQ.	PICKLED & PASSIVATED BODY		
PORT SIZE	FULL PORT		
TRIM	API #10		
NOTES	NACE MR-01-75 & MR-01-03 (ISO 15156)		
OTHER	INVESTMENT CAST		

DIMENSIONS (MM) & WEIGHT (KG)

Inch	DN	L	i	O	C	g	n-d	t	H	Weight
1 1/2"	40	165	38.0	127.0	98.5	73	4-16	15	128	10

Check Valve, Piston Model SLCLLN-8M-A NPS 1 1/2" (DN40) Class 150 RF, BB	ORDER N°/ DWG N°	XXXXXX-99	APPROVED	B.T.
	REV.	00	CHECKED	S.Q.
Australian Pipeline Valve			DRAWN	C.C.



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STEAMCO®

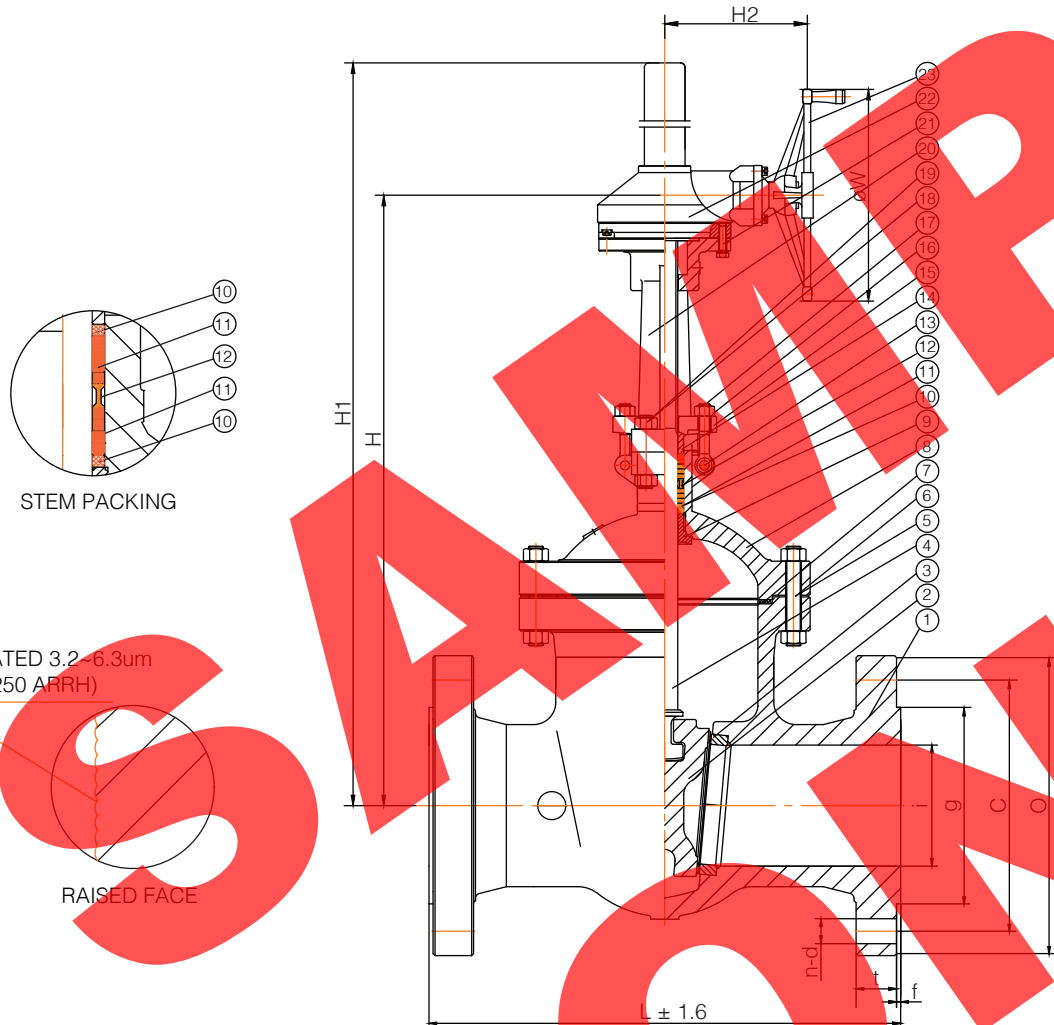


BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A216 WCC	(1)
2	DISC	ASTM A216 WCC+ST#6	(1)
3	SEAT	ASTM A105+STL#6	-
4	STEM	ASTM A182 F6a	(3)
5	BOLT	ASTM A193 B7M	-
6	NUT	ASTM A194 2HM	-
7	GASKET (ENCAPSULATED)	SS316+GRAPHITE	SPIRAL WOUND
8	BONNET	ASTM A216 WCC	(1) (2)
9	BACK SEAT	ASTM A182 F6A+STL#6	-
10	PACKING #1600 (LEP)	BRAIDED GRAPHITE	(2) (4) (5)
11	PACKING	FLEXIBLE GRAPHITE	(2)
12	SPACER RING	SS410	LANTERN RING
13	PIN	CARBON STEEL	-
14	GLAND	ASTM A276 410SS	-
15	YOKE FLANGE	ASTM A216 WCC	(1)
16	NUT	ASTM A194 2HM	-
17	BOLT	ASTM A193 B7M	-
18	BOLT	ASTM A193 B7M	-
19	NUT	ASTM A194 2HM	-
20	YOKE	ASTM A216 WCC	(1)
21	BOLT	ASTM A193 B7M	-
22	GEAR	CARBON STEEL	EA-1
23	HANDWHEEL	CARBON STEEL	-

(1) DUAL CERTIFIED A216 WCC
(2) STUFFING BOX SMOOTHNESS $\leq 3.2 \text{ Ra } \mu\text{m}$ (SUPERIOR TO API 600 REQUIREMENT)
(3) STEM SMOOTHNESS $\leq \text{Ra } 0.80 \mu\text{m}$ AS PER API 600
(4) CHESTERTON #1600 PACKING LOW EMISSION
(5) CHESTERTON 1622 FUGITIVE EMISSION CERTIFIED API 622 & FIRE SAFE CERTIFIED V PACKING

RATING	CL 400	TEST PRESSURE	
DESIGN & MFG.	API600 & ASME B16.34	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B16.10	10.3 Mpa 1494 Psi	7.5 Mpa 1088 Psi
FACE TO FACE DIM.	ASME B16.10	SEAT AIR	BACKSEAT
END CONNECTION	RFSF Ra 3.2~6.3 μm	0.55 Mpa 80 Psi	11.4 Mpa 1650 Psi
END DIMENSION	ASME B16.5	B16.34 BODY TEMPERATURE	
TEST & INSPECTION	API 598/ISO 5208	-29 TO 425 °C -20 TO 800 °F	
MARKING & PAINT	MSS SP-25	MEDIUM	Steam
OTHER REQ.	NACE MR-01-75 & MR-01-03 (ISO 15156)		
PORT SIZE	12 3/8 ID		
TRIM	API #5		
NOTES	FLEXIBLE WEDGE		
SPECIAL	OPTIONAL API598 HP/LP SEAT TEST PERFORMED $\leq 35\%$ LOWER LEAKAGE		



SERRATED 3.2~6.3 μm
(125~250 ARRH)

RAISED FACE

DIMENSIONS (MM) & WEIGHT (KG)

Inch	DN	L	i	O	C	g	t	n-d	f	H	H1	H2	W	Weight
12"	300	765.05	314.32	521	450.8	324	57.4	16-35	6.4	1120	1400	450	520	600

Dimensions in millimeters

Gate Valve, Model AP-34LUFN-1G,
NPS 12" (DN300) Class 400,
RF, 12 3/8", BBOSY, GOP

ORDER N° / DWG N°	XXXXXX-99	APPROVED	B.T.
REV.	00	CHECKED	S.Q.
Australian Pipeline Valve		DRAWN	C.C.



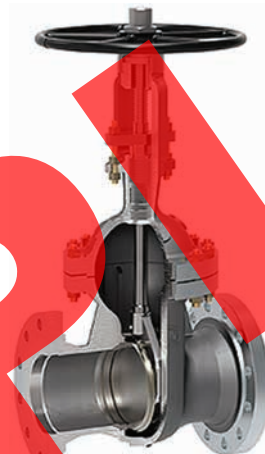
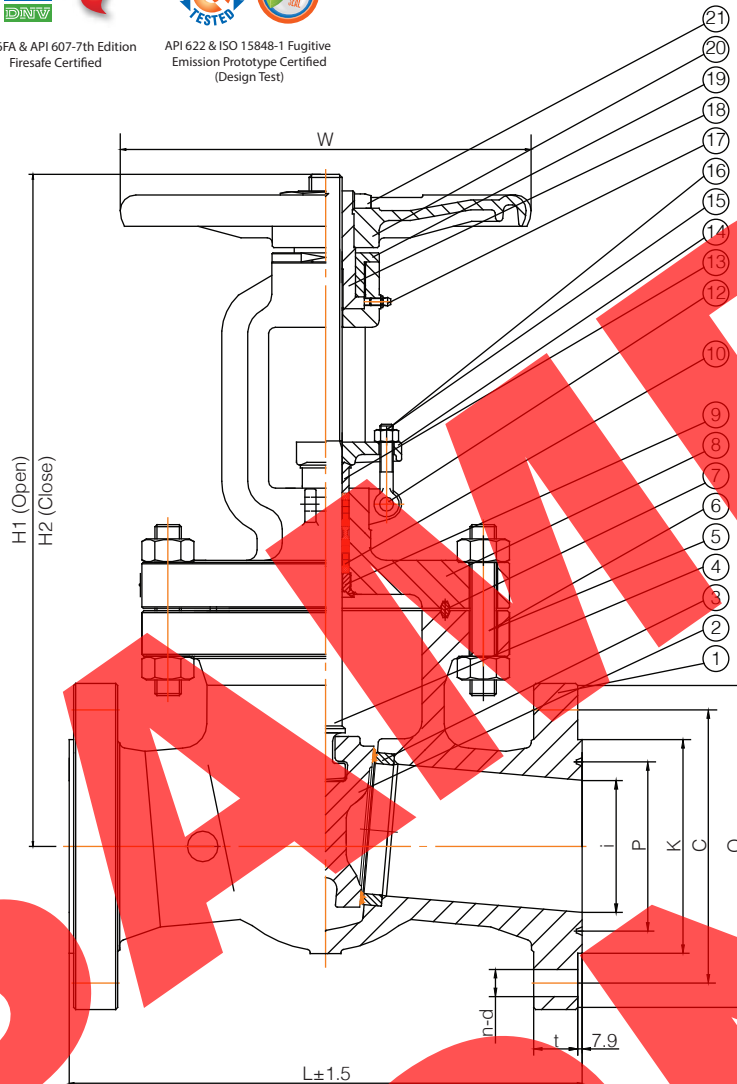
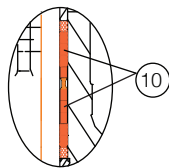
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API 6FA & API 607-7th Edition
Firesafe Certified



API 622 & ISO 15848-1 Fugitive
Emission Prototype Certified
(Design Test)



BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A216 WCB	-
2	DISC	ASTM A216 WCB+ST#6	-
3	SEAT	ASTM A105+ST#6	-
4	STEM	ASTM A182 F6	(2)
5	BOLT	ASTM A193 B7M	-
6	NUT	ASTM A194 2HM	-
7	GASKET	SS316 RING	-
8	BONNET	ASTM A216 WCB	-
9	BACK SEAT	ASTM A276 410SS	-
10	PACKING (SET)	GRAPHITE+INCONEL WIRE	(1)(3) CHESTERTON 1622 F.F.E.
12	PIN	AISI 1020	-
13	GLAND	ASTM A276 410SS	-
14	YOKE FLANGE	ASTM A216 WCB	-
15	NUT	ASTM A194 2HM	-
16	BOLT	ASTM A193 B7M	-
17	GREASE NIPPLE	SS304	-
18	STEM NUT	ASTM A439 D2	-
19	GLAND NUT	AISI 1020	-
20	HANDWHEEL	MALLEABLE IRON	-
21	LOCKING NUT	AISI 1035	PHOSPHATED

(1) STUFFING BOX SMOOTHNESS $R_a \leq 3.2 \mu\text{m}$ (SUPERIOR TO API 600 REQUIREMENT)
 (2) STEM SMOOTHNESS $\leq R_a 0.80 \mu\text{m}$ AS PER API 600
 (3) DIE FORMED SET INCONEL WIRE REINFORCED EXFOLIATED GRAPHITE PACKING, CHESTERTON 1622 (LOW FRICTION)
 FUGITIVE EMISSION CERTIFIED ISO 15848-1/API 622/API 624 & API 607 FIRESAFE CERTIFIED, CHEVRON TEXACO CERTIFIED

RATING	CL 2500	TEST PRESSURE	
DESIGN & MFG.	API 600 & ASME B16.34	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B1634	63.9 Mpa 9275 Psi	46.9 Mpa 6800 Psi
FACE TO FACE DIM.	ASME B16.10	SEAT AIR	BACKSEAT
END CONNECTION	RFSF $R_a 3.2-6.3 \mu\text{m}$	0.55 Mpa 80 Psi	46.9 Mpa 6800 Psi
END DIMENSION	ASME B16.5	B16.34 BODY TEMPERATURE	
TEST & INSPECTION	API 598/ISO 5208	-29 TO 425 °C	-20 TO 800 °F
MARKING & PAINT	MSS SP-25, PAINT PPWF 07.002	MEDIUM	Water, Oil, Gas
OTHER REQ.	NACE MR-01-75		
PORT SIZE	FULL		
TRIM	API #5		
NOTES	FLEXIBLE WEDGE, CORROSION ALLOWANCE B16.34 3.0MM		
SPECIAL	OPTIONAL API598 HP SEAT TEST ALSO PERFORMED		
NOTES	≤30% LOWER SEAT LEAKAGE THAN API 598 ALLOWS		

DIMENSIONS (MM) & WEIGHT (KG)

Inch	DN	L	i	O	C	K	t	n-d	P	H	H1	W	Weight
2"	50	454	38	235	171.4	133	51.0	8-29	101.6	550	593	350	110

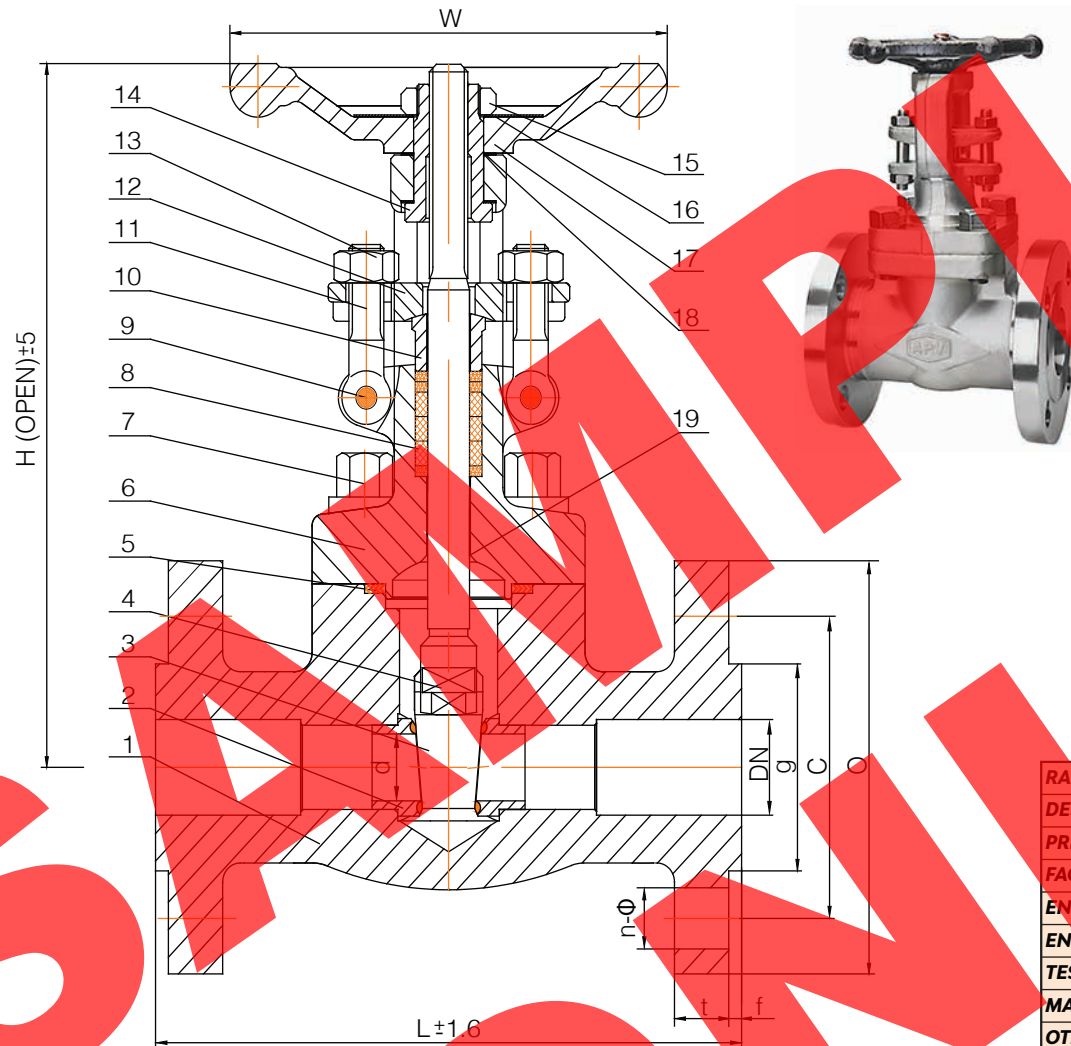
Dimensions in millimeters

Gate Valve, Model 50AP25UFN-RJE,
NPS 2" (DN50) Class 2500,
RTJ, FB, BBOSY, HW

ORDER N° / DWG N°	389	APPROVED	B.T.
REV.	00	CHECKED	S.Q.
Australian Pipeline Valve		DRAWN	C.C.



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BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A182 F316/L	(1)
2	SEAT	ASTM A276 316/L+ST#6	(1)
3	DISC	ASTM A276 316/L	(1)
4	STEM	ASTM A182 F316/L	(1) Ra _s ≤ 0.8 μm
5	GASKET	SS316+PTFE	SPIRAL WOUND
6	BONNET	ASTM A182 F316/L	(1)
7	BOLT	ASTM A193 B8M	-
8	PACKING	FLEXIBLE GRAPHITE	(2)
9	PIN	ASTM A276 316	-
10	GLAND	ASTM A276 316	-
11	GLAND EYEBOLT	ASTM A193 B8M	-
12	GLAND FLANGE	ASTM A276 316	-
13	NUT	ASTM A194 8M	-
14	YOKE NUT	ASTM A276 410	-
15	NUT	AISI 1035	ZINC PLATED
16	NAME PLATE	SS316	-
17	HAND WHEEL	ASTM A197	ZINC PLATED
18	WASHER	SS316	-
19	BACK SEAT	INTEGRAL	CONICAL

(1) DUAL CERTIFIED 316/316L
(2) PACKING CHAMBER BORE Ra_s ≤ 3.2 μm

RATING	CL 300	TEST PRESSURE	
DESIGN & MFG.	API602 / ISO 15761/ASME B16.34	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B16.34	7.6 Mpa 1100 Psi	5.5 Mpa 800 Psi
FACE TO FACE DIM.	ASME B16.10	SEAT AIR	BACKSEAT
END CONNECTION	RFSF 3.2-6.3 Ra	0.55 Mpa 80 Psi	5.5 Mpa 800 Psi
END DIMENSION	ASME B16.5	TEMPERATURE	
TEST & INSPECTION	API 598	ASME B16.34 _{TC}	ASME B16.34 _{TF}
MARKING & PAINT	MSS SP-25 PICKLED & PASSIVATED	MEDIUM	Water, Oil, Gas
OTHER REQ.	INTEGRAL FLANGED		
PORT SIZE	REGULAR STANDARD PORT		
TRIM	API #12		
NOTES	OPTIONAL HP SEAT TEST PERFORMED TO API 598		
OTHER	NACE MR-01-75/ MR-01-03		

DIMENSIONS (MM) & WEIGHT (KG)

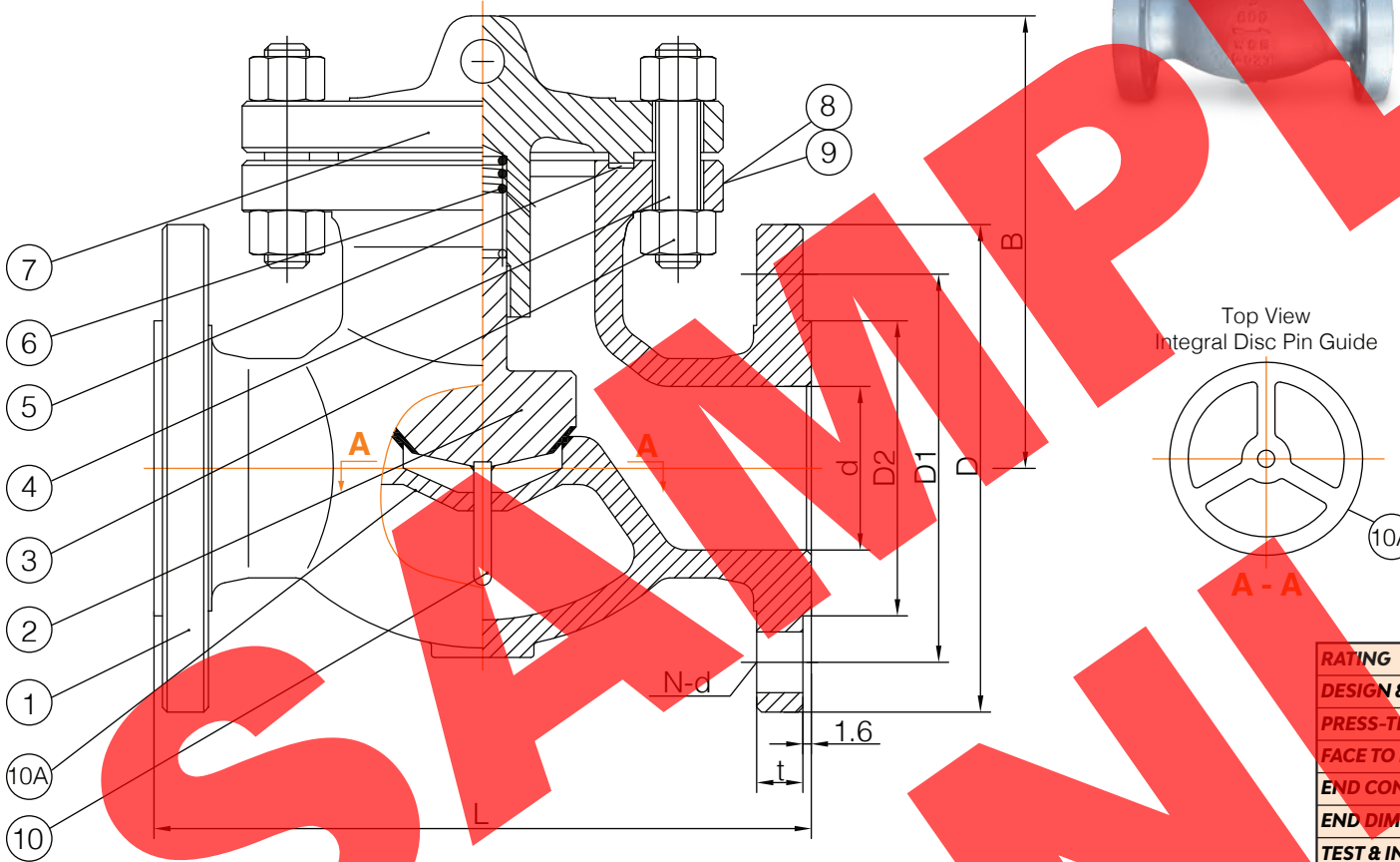
Inch	DN	L	d	O	C	g	n-ø	t	f	H	W	Weight
1/2"	15	140	10.5	95	66.5	35	4-15	15	1.6	161	100	3.8
3/4"	20	152	13.5	117	82.0	43	4-19	16	1.6	163	100	4.9
1"	25	165	17.0	124	89.0	51	4-19	18	1.6	196	125	7.2
1 1/2"	40	190	29.0	156	114.0	73	4-19	21	1.6	250	160	12.6
2"	50	216	36.5	165	127.0	92	8-19	23	1.6	290	180	18.0

Dimensions in millimeters

Wedge Gate Valve, Bolted Bonnet, NPS 1/2"~2" (DN15~DN50) Class 300 RF, HWOP, SB, A182 F316/L, Trim API #12	ORDER N°/ DWG N°	XXXXXX-99	APPROVED	B.T.
	REV.	00	CHECKED	S.Q.
Australian Pipeline Valve			DRAWN	C.C.



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BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY (& SEAT)	ASTM A216 WCB+STL6	(1)
2	DISC	ASTM A105+13CR	INTEGRAL
3	NUT	ASTM A194 2H	-
4	BOLT	ASTM A193 B7	-
5	GASKET	SS316+FLEXIBLE GRAPHITE	ENCAPSULATED
6	SPRING	INCONEL X750	-
7	COVER & CAGE GUIDE	ASTM A216 WCB	INTEGRAL
8	RIVET	BRONZE	-
9	NAMEPLATE	SS316	-
10	GUIDE PIN	ASTM A182 410SS	-
10A	DISC PIN GUIDE	INTEGRAL	-

(1) INTEGRAL SEAT STELLITE #6 OVERLAY)

RATING	CL 300	TEST PRESSURE	
DESIGN & MFG.	ASME API 6D & BS1873 (API 594 WALL)	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B16.34	7.7 Mpa 1125 Psi	5.7 Mpa 825 Psi
FACE TO FACE DIM.	ASME B16.10	SEAT AIR	BACKSEAT
END CONNECTION	RFSF 3.2~6.3Ra	Mpa Psi	Mpa Psi
END DIMENSION	ASME B16.5	TEMPERATURE	
TEST & INSPECTION	API 598/ ISO 5208	-29 TO 425 °C	-20 TO 797 °F
MARKING & PAINT	MSS SP-25 PAINT FB-307-00	MEDIUM	Water, Oil, Steam
OTHER REQ.	WALL THICKNESS DUAL CONFORMS API 600 & API 594		
PORT SIZE	FULL PORT		
TRIM	API #8 NACE MR-01-75 & MR-01-03		
NOTES	CAGE & DISC GUIDED		
OTHER	INVESTMENT CAST		

DIMENSIONS (MM) & WEIGHT (KG)

Inch	DN	d	L	B	D	D1	D2	t	N-d	Weight
2"	50	51	267	200	165	127.0	92.0	23	8-19	29
3"	80	80	318	250	210	168.3	127.0	30	8-22	48
4"	100	100	356	453	254	200.0	157.0	31	8-23	73
6"	150	152	444	526	318	270.0	216.0	37	12-23	120
8"	200	200	533	546	381	330.2	270.0	42	12-26	205

Dimensions in millimeters

Piston Check Valve Model 50~200AP301XUNQZ, V-Plug NPS 2"~8" (DN50~DN200) Class 300, Cage & Disc Guided	ORDER N°/ DWG N°	XXXXXX-99	APPROVED	B.T.
	REV.	00	CHECKED	S.Q.
Australian Pipeline Valve			DRAWN	C.C.



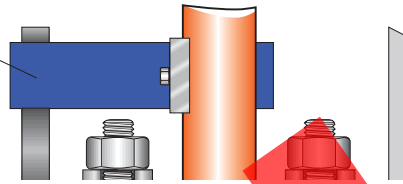
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API 622 & ISO 15848-1 Fugitive Emission Prototype Certified (Design Test)

Torque Arm

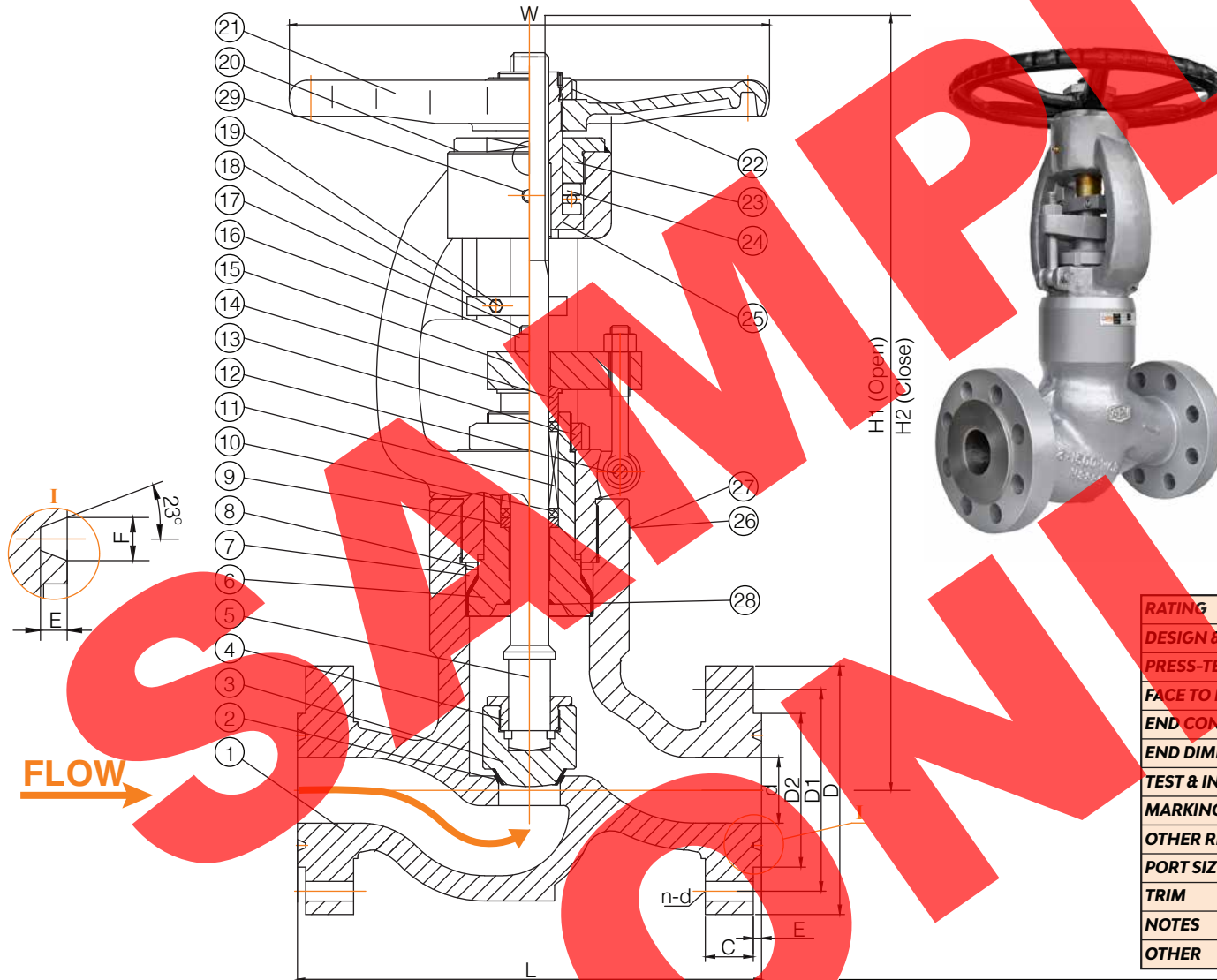
The torque arm prevents stem movement which reduces wear on packing rings and enables better sealing as well as reducing torque. Non rotating stem, only the stem nut rotates. The arm also provides visual stem position indication and can be interfaced with position switches.



BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A216 WCB	-
2	SEAT SURFACE	STELLITE#6	OVERLAY
3	DISC	ASTM A216 WCB+STL#6	-
4	DISC COVER	ASTM A276 410	-
5	STEM	ASTM A182 F6A	(1)
6	BONNET	ASTM A216 WCB	-
7	PRESSURE SEAL RING	316SS	-
8	THRUST SEAL RING	ASTM A276 410	-
9	RETAINER	ASTM A276 410	-
11	PACKING (SET)	GRAPHITE+INCONEL WIRE	(2)(4) GARLOCK 9000 EVSP
12	PIN	AISI 1035	-
13	BRECHLOCK NUT	AISI 1040	-
14	GLAND	ASTM A276 410	-
15	GLAND FLANGE	ASTM A216 WCB	-
16	EYEBOLT	ASTM A193 B7M	-
17	NUT	ASTM A194 2HM	-
18	TORQUE ARM	AISI 1020	(3)
19	SCREW	CS+ZP	-
20	BONNET YOKE	ASTM A216 WCB	-
21	HANDWHEEL	MALLEABLE IRON	(3)
22	RETAINING NUT	AISI 1035	-
23	GLAND NUT	AISI 1035	-
24	THRUST BEARING	SUB-ASSEMBLY	(3)
25	STEM NUT	ALUMINIUM BRONZE	-
26	RIVET	316SS	-
27	NAMEPLATE	316SS	-
28	BACK SEAT	ASTM A276 316	OVERLAY

- (1) STEM SMOOTHNESS $R_a \leq 0.80 \mu\text{m}$ per API 623/API 600
- (2) STUFFING BOX SMOOTHNESS $R_a \leq 3.2 \mu\text{m}$ (SUPERIOR TO API 623)
- (3) LARGE HANDWHEEL, STEM THRUST BEARINGS AND TORQUE ARM FOR EASE OF OPERATION, ASSURED SHUT OFF AND LONG LIFE
- (4) DIE FORMED SET INCONEL WIRE REINFORCED EXFOLIATED GRAPHITE PACKING (LOW FRICTION) GARLOCK 9000 EVSP FUGITIVE EMISSION CERTIFIED ISO 15848-1/API 622/API 624 & API 607 & API 598 FIRESAFE CERTIFIED, BP, CHEVRON & MOBIL EXXON CERTIFIED



RATING	CL 2500	TEST PRESSURE	
DESIGN & MFG.	ASME B16.34 & BS1873 (API 600 WALL)	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B16.34	63.9 Mpa / 9267 Psi	46.9 Mpa / 6802 Psi
FACE TO FACE DIM.	ASME B16.10	SEAT AIR	BACKSEAT
END CONNECTION	RTJ	0.55 Mpa / 80 Psi	46.9 Mpa / 6802 Psi
END DIMENSION	ASME B16.5	B16.34 BODY TEMPERATURE	
TEST & INSPECTION	API 598/ISO 5208	-29 TO 345 °C / -20 TO 653 °F	
MARKING & PAINT	MSS-SP25, PAINT PPWF07.002	MEDIUM	Water, Oil, Gas
OTHER REQ.	NACE MR-01-75 & MR-01-03 (ISO 15156) FIRESAFE DESIGN API 607		
PORT SIZE	FULL S-BEND DESIGN		
TRIM	API #5		
NOTES	PLUG TYPE, CORROSION ALLOWANCE B16.34 4.0MM		
OTHER	OPTIONAL API 598 LP SEAT TEST ALSO PERFORMED		

DIMENSIONS (MM) & WEIGHT (KG)

Inch	DN	L	d	D	D1	D2	P	E	F	C	n-d	H1	H2	W	Weight
2"	50	454	38	235	171.4	133	101.6	7.92	11.91	50.9	8-29	722	705	400	135

Dimensions in millimeters

Globe Valve, Model 50AP125UAN-PRJ,
NPS 2" (DN50) Class 2500, S-Bend
T-Pattern Design, RTJ, FP, PSBOSY, HWOP

ORDER N°/ DWG N°	570	APPROVED	B.T.
REV.	00	CHECKED	S.Q.
Australian Pipeline Valve		DRAWN	C.C.



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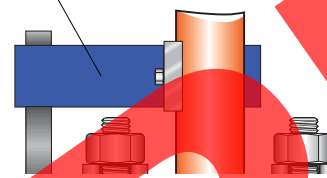
SHELL MESC CL B (-50°C-400°C)
Fugitive Emission Prototype Certified



API 607 7th & ISO 10497-3
Firesafe Certified

Torque Arm

The torque arm prevents stem movement which reduces wear on packing rings and enables better sealing as well as reducing torque. Non rotating stem, only the stem nut rotates. The arm also provides visual stem position indication and can be interfaced with position switches.



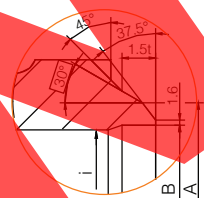
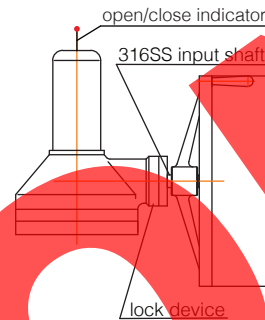
WELDED SEAT



Body Guided Disc

Body guided disc style eliminates side thrust and provides longer disc, seat and body life as well as ensuring positive shut-off and low closing torque.

SCHEDULE NO: XXS



BILL OF MATERIALS

NO.	PART NAME	MATERIAL	NOTES
1	BODY	ASTM A352 LCC	(1) (6)
2	SEAT	ASTM A350 LF2 CL.1+STL#6	-
3	DISC	ASTM A350 LF2 CL.1+STL#6	(9) BODY GUIDED
4	STEM	ASTM A182 F51	(3)
5	DISC COVER	ASTM A350 LF2	(9)
6	BONNET	ASTM A350 LF2	(9) 316SS OVERLAY
6A	BACK SEAT	SS316	OVERLAY
7	PRESSURE SEAL RING	ASTM A182 F316	-
8	UPPER BONNET YOKE	ASTM A352 LCC	(2)
9	GASKET	ASTM A276 410	-
10	BREACH LOCK NUT	AISI 1035	-
11	PACKING (SET)	GRAPHITE+INCONEL WIRE	(4) (7) BURGMANN 6070 F.E.
12	YOKE SUPPORT FLANGE	ASTM A352 LCC	(1)
13	BOLT	ASTM A320 L7M	(10)
14	EYE BOLT	ASTM A320 L7M	(10)
15	NUT	ASTM A194 7LM	-
16	GLAND RING	ASTM A276 316	-
18	STEM GUIDE TORQUE ARM	AISI 1035	-
19	SCREW	ASTM A320 L7M	(10)
20	STUD	ASTM A350 L7M	(10)
21	NUT	ASTM A194 7LM	-
22	STEM NUT	ASTM A436 D-2C	AUSTENITIC-DI
23	GEARBOX ASSY	ASTM A216 WCB	(5) (8) BA-2 LOCKABLE
24	RIVET	SS	-
25	NAME PLATE	ASTM A240 316	(11)
26	PACKING GASKET	ASTM A182 F51	-
27	NUT	ASTM A194 7LM	-
28	PACKING GLAND FLANGE	ASTM A352 LCC	-

- (1) RADIOGRAPHIC TEST TO BOTH ENDS ASME B16.34
- (2) DUAL CERTIFIED ASTM A216 WCC & WCB & A352 LCC
- (3) STEM SMOOTHNESS Ra ≤ 0.80µm PER API 623/API 600
- (4) STUFFING BOX SMOOTHNESS Ra ≤ 3.2µm (SUPERIOR TO API 623)
- (5) GEARBOX, LOW FRICTION PACKING/STEM GUIDE, TORQUE ARM AND BODY GUIDED DISC FOR EASE OF OPERATION, ASSURED SHUT OFF AND LONG LIFE
- (6) MAX 35% CE
- (7) INTEGRAL DIE FORMED SET INCONEL WIRE REINFORCED EXFOLIATED GRAPHITE PACKING, BURGMANN 6070 (LOW FRICTION) FUGITIVE EMISSION CERTIFIED ISO 15848-17 API 622/API 623 & API 589/API 607 FIRESAFE CERTIFIED, CHEVRON TEXACO CERTIFIED
- (8) REFER DRAWING HEAVY DUTY LOW RATE GEARBOX FAST ACTING (5:2.1) C/W GREASE NIPPLE, LOCK DEVICE, STEM PROTECTOR, 316SS INPUT SHAFT, OPEN/CLOSE INDICATOR
- (9) DUAL CERTIFIED A105
- (10) DUAL CONFORMING ASTM A193 B7M

RATING	CL 2500	TEST PRESSURE	
DESIGN & MFG.	API 623, ASME B16.34 & BS1873	SHELL HYDRO	SEAT HYDRO
PRESS-TEMP RATING	ASME B16.34	63.9 Mpa	9267 Psi
FACE TO FACE DIM.	ASME B16.10	46.9 Mpa	6802 Psi
END CONNECTION	BW XXS	SEAT AIR	BACKSEAT
END DIMENSION	ASME B16.25	0.55 Mpa	80 Psi
TEST & INSPECTION	API 598/ISO 5208	46.9 Mpa	6802 Psi
MARKING & PAINT	MSS SP-25, PAINT PP 07.002	B16.34 BODY TEMPERATURE	
OTHER REQ.	NACE MR-01-75 & MR-01-03 (ISO 15156)	-46 TO 425 °C	-50 TO 800 °F
PORT SIZE	FULL, S-BEND DESIGN GUIDED DISC	MEDIUM Water, Oil, Gas	
TRIM	API #16 316SS FULL STELLITE F51 STEM, FIRESAFE API 607		
NOTES	PLUG TYPE, INVESTMENT CAST, NDT: RT TO ENDS TO B16.34		
NOTES	CORROSION ALLOWANCE B16.34 4.0MM		
OTHER	OPTIONAL API 598 LP SEAT TEST ALSO PERFORMED, -46°C IMPACT TESTED		

DIMENSIONS (MM) & WEIGHT (KG)

Inch	DN	L	D	B	A	W	H	H1	Weight
3"	80	578	57	58.5	91	520	995	124	120

Dimensions in millimeters

APZ Globe Valve,
Model 80FSAP125LUN2PBWG-F
NPS 3" (DN80) Class 2500, S-Bend T-Pattern,
Design, Guided Disc, BW, FP, PBOSY, GOP

ORDER N°/ DWG N°	1011	APPROVED	B.T.
REV.	00	CHECKED	S.Q.
Australian Pipeline Valve		DRAWN	C.C.