

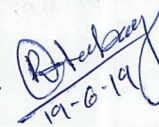
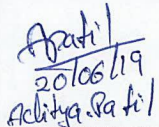
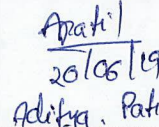
Work Order	2L19-002(PRO)	Sl No : 1	BOM No : 2L19-002(PRO)-S1	Rev No : 0
Product	Butterfly valve	Type : Wafer Suitable #150	Pressure rating : ASME B16.34 #150	
Size	DN150 (NPS 6)	Bore : $\phi$ 148.4mm	Operation : Gear Operated	
Description	Butterfly Valve, DN 150 (6") Derated Valve at 10 Bar			

Sl. No	Part No.	Part Name	Material	Drawign No.	Rev No.	Qty per valve / unit
1	201	Body (Sand Casting)	ASTM A216 Gr.WCB (2L-TS-01)	015001BFNW/CWT201XXXXI	0	1
2	210	Disc (Sand Casting)	ASTM A351 Gr.CF8 (2L-TS-01)	015001BFNW/CWT210XXXXS	0	1
3	201	Body (Machining)**	ASTM A216 Gr.WCB	015001BFNW/CWT201XXXZS	0	1
4	210	Disc (Machining)**	ASTM A351 Gr.CF8	015001BFNW/CWT210XXXZS	0	1
5	215	Sleeve**	EPDM (2L-TS-05)	015001BFNW/CWT215XXXZT	0	1
6	212	Upper Stem**	ASTM A479 TYPE 304 (2L-TS-02)	015001BFNW/CWT212XXXZB	0	1
7	213	Lower Stem**	ASTM A479 TYPE 304 (2L-TS-02)	015001BFNW/CWT213XXXZB	0	1
8	227	Bush Bearing	PTFE (2L-TS-05)	015001BFNW/CWT227XXXZB	0	1
9	246	Lower Stem Bush	PTFE (2L-TS-05)	015001BFNW/CWT262XXXZB	0	1
10	207	U Cup Seal	Nitrile (2L-TS-05)	OD25xID19x5THK	0	1
11	205	Stem Retainer	ASTM A515 Gr.70 (2L-TS-02)	015001BFNW/CWT205XXXZP	0	1
12	276	Lower Stem Circlip	SS 304	CIRCLIP, LIGHT E25, IS3075-1965	0	1
13	276	Upper Stem Circlip	SS 304	CIRCLIP, LIGHT E32, IS3075-1965	0	1
14	248	Quarter -Turn Worm Gear Box	SG IRON	QTA-15C(BORE19)BASE PCD (F07)	0	1
15	228	Stud For Gear Box	ASTM A193 Gr.B7 (2L-TS-04)	M8x1.25P L40	0	4
16	229	Nut For Gear Box	ASTM A194 Gr.2H (2L-TS-04)	M8x1.25P	0	4
17	241	Name Plate	SS 304	0150022=NTSFE241XXXZP	0	1
18	203	Anti-Static Ball	ASTM A479 TYPE 304 (2L-TS-02)	015001BFNW/CWT203XXXZB	0	1
19	239	Anti-Static Spring	ASTM A313 Gr. 304 (2L-TS-03)	015001BFNW/CWT239XXXZB	0	1
20	244	Key for Stem	EN8	30Lx6Wx6H	0	1
21	282	Rivet / Hammer Drive Screw	SS 304	$\phi$ 2.5x5L	0	4

**Bill of Material (Drawing Number List)**

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Product	Butterfly valve	Type	Wafer Suitable #150	Pressue rating :	ASME B16.34 #150		
Size	DN150 (NPS 6)	Bore	ø148.4mm	Operation :	Gear Operated		
Description	Butterfly Valve, DN 150 (6") Derated Valve at 10 Bar						

Sl. No	Part No.	Part Name	Material	Drawign No.	Rev No.	Qty per valve / unit

Notes	Rev	DCN No	Description	Sign/ Date	Prepared by	Checked by	Approved by
1) SI.No.14 - Gear box provided with Locking arrangement					 19-6-19	 20/06/19 Aditya. Pati	 20/06/19 Aditya. Pati
2) Critical Component**							
3) Critical Activity Nil							
4) Refer Latest Technical Specification.							
					1 <sup>st</sup> Design Engineer	2 <sup>nd</sup> Design Engineer	2nd Design Engineer