

INTRODUCTION

AIRONEX VALVES PVT LTD (formerly Asten Pneumatics) is a premier specialist in the manufacture of metal seated ball valves and metal-seated butterfly valves critical valves engineered for the harshest industrial environments. Since 2009, our promoters have honed their expertise in precision valve manufacturing. Our state-of-the-art factory is fully equipped with advanced machinery and skilled craftsmanship, enabling us to design, fabricate, test and deliver all valves rigorously in accordance with API standards. Whether for high temperatures, abrasive medias or demanding operational conditions, Aironex ensures uncompromising performance, durability, and tight shut-off integrity in every product. Our Ball Valves & Butterfly Valves are manufactured in full compliance with international standards such as API, ANSI, ASME, and NACE. All products undergo complete in-house testing to zero tolerance. This uncompromising approach has made our brand synonymous with superior quality, precision, workmanship, and aesthetic excellence.



QUALITY CONTROL

AIRONEX VALVES PVT LTD , is a INDIAN -based Manufacturing and Valve - Servicing Company for the process, power, and energy - related industries. AIRONEX has state - of - the - art manufacturing facility, producing high quality valves to meet specific requirements of both local and international clients. This modern facility is supported by a specialized team of highly - skilled, ingenious technicians who ensure that the valves consistently deliver high performance and adherence to international standards.

AIRONEX has been specially organized to meet client requirements through an in-house testing facility of MT, PT, UT, Hardness, Chemical Analysis and PMI, in line with Machining, Assembling, Testing, Inspection, Welding and Packing. The facility is situated in Gujarat AHMEDABAD.

AIRONEX also excels in delivering outstanding services to its customers. All team members are trained to work in a smart, dedicated and timely basis to ensure that they keep their promise to stakeholders like customers, colleagues, suppliers, regulators, financiers, and shareholders.

Mission

To offer a wide range of products and specialized services for Valves and Flanges while ensuring that the customer's needs are met on time and according to specifications.

Vision

To become a global leader in providing innovative products and services for the Flow-Control industry, creating value in order to meet customer expectations in terms of quality, reliability and customer service.

Values

Integrity | Building Relationships

Ownership & Commitment | Teamwork | Customer Focus

Quality Policy

It is the policy of AIRONEX to achieve rapid and continual improvement in performance to ensure that Design, Development and Manufacturing of all product of AIRONEX meet or exceed API/PED design specifications and customer requirements.



VTL MACHINE



RADIAL DRILL MACHINES



HYDRO TESTING MACHINE



CNC MACHINE



TESTING BENCH



DRILL MACHINE



HELLIUM TESTING



PMI TESTING



LASER MARKING MACHINE

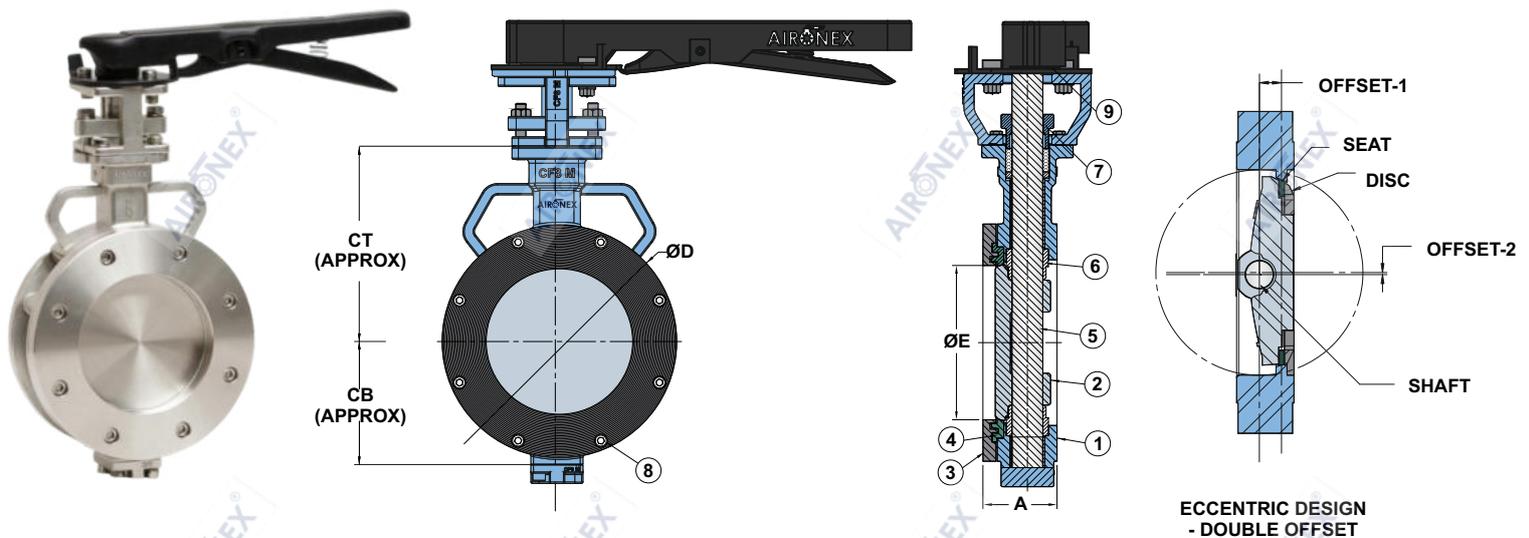
WAFER TYPE HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE LEVER OPERATED



TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF3 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# WAFER TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#, 300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	LEVER	S.S / M.S		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	APPROX WEIGHT
1.1/2"	40	42	82	37	82	45	2.8
2"	50	43	99	47	88	55	3.2
2.1/2"	65	48	120	60	100.5	63	3.9
3"	80	48	133	71.5	109	71	4.6
4"	100	54	159	95	131	82	6.7
5"	125	57	186	121	155	97	9.4
6"	150	57	212	143	164	109	10.7
8"	200	64	266	189	201	140	15.5

All Dimension are in mm

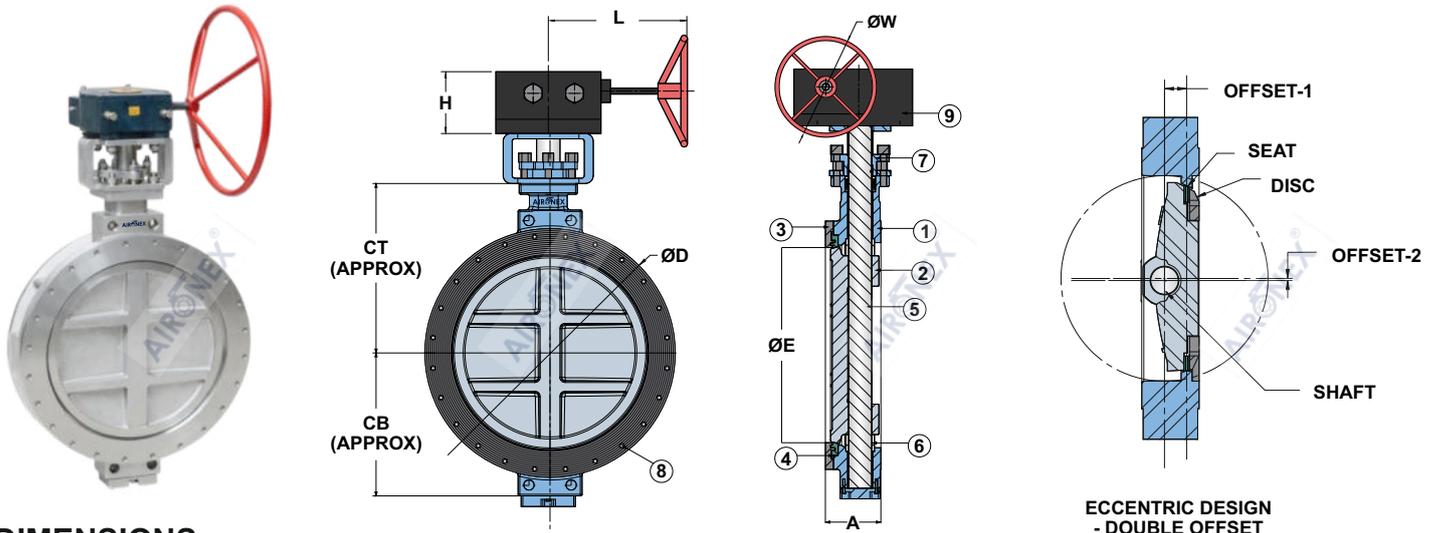
All Weight are in Kg

WAFER TYPE HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE GEAR OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# WAFER TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#, 300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	GEAR BOX	STANDARD		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	H	L	ØW	APPROX WEIGHT
1.1/2"	40	42	82	37	82	45	50	120	150	4.3
2"	50	43	99	47	88	55	50	120	150	4.5
2.1/2"	65	48	120	60	100.5	63	50	120	150	6.5
3"	80	48	133	71.5	109	71	50	175	200	7.1
4"	100	54	159	95	131	82	50	175	200	9.2
5"	125	57	186	121	155	97	50	175	200	11.7
6"	150	57	212	143	164	109	50	175	200	13
8"	200	64	266	189	201	140	62	194	250	17.5
10"	250	71	326	239	228	172	62	194	250	35.5
12"	300	81	382	290	267	200	75	248	350	50.5
14"	350	92	432	340	308	223	85	280	500	67
16"	400	102	482	388	334	268	85	280	500	83
18"	450	114	522	430	370	286	120	358	500	108.5
20"	500	127	580	482	402	368	166	385	500	146
24"	600	154	695	546	474	400	112	465	600	287

All Dimension are in mm

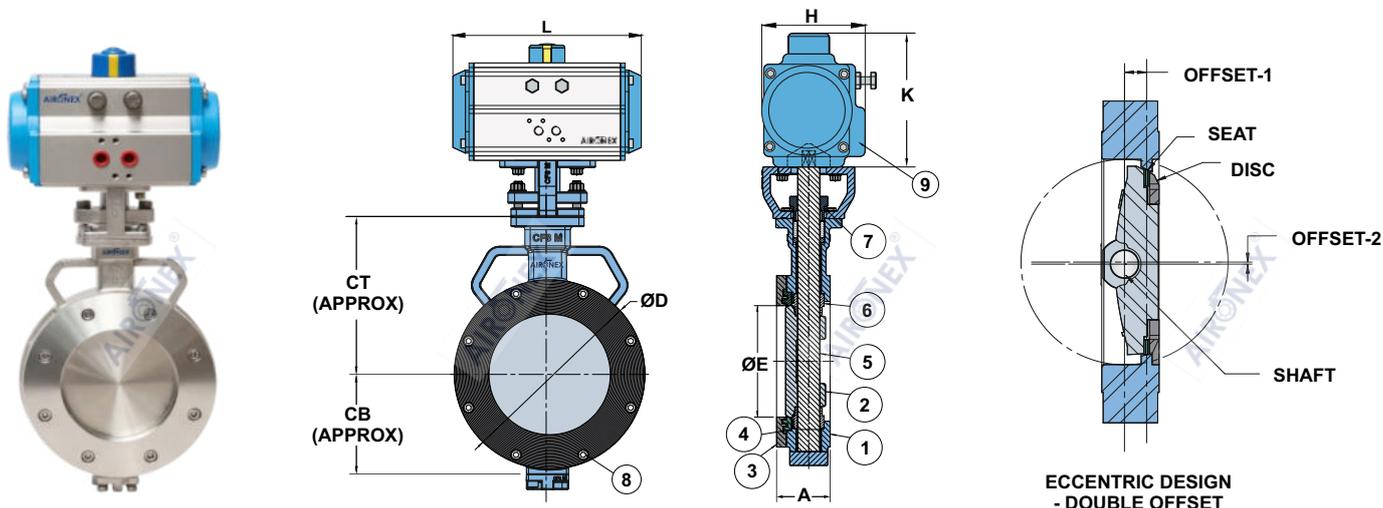
All Weight are in Kg

WAFER TYPE HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# WAFER TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#, 300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	PNEUMATIC ACTUATOR	DOUBLE ACTING / SINGLE ACTING		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	H	L	K	APPROX WEIGHT
1.1/2"	40	42	82	37	82	45	92	82	61.5	3.5
2"	50	43	99	47	88	55	92	96	61.5	4
2.1/2"	65	48	120	60	100.5	63	108	112	63	5.3
3"	80	48	133	71.5	109	71	108	131	63	6
4"	100	54	159	95	131	82	119.5	160	95	9
5"	125	57	186	121	155	97	128.7	188	108	11.6
6"	150	57	212	143	164	109	128.7	219	108	13
8"	200	64	266	189	201	140	136.5	271	108	19
10"	250	71	326	239	228	172	185	323	142	40
12"	300	81	382	290	267	200	202	380	152	59
14"	350	92	432	340	308	223	227	430	174	79
16"	400	102	482	388	334	268	260	488	206	101
18"	450	114	522	430	370	286	260	530	206	137
20"	500	127	580	482	402	368	285	583	226	192
24"	600	154	695	546	474	400	294	718	356	361

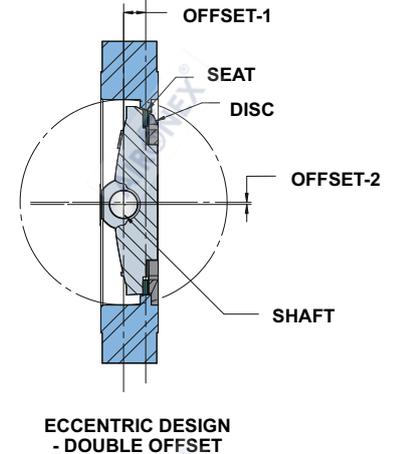
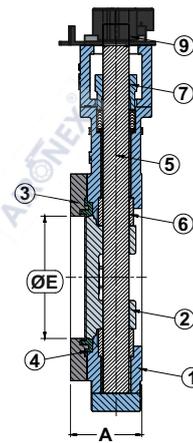
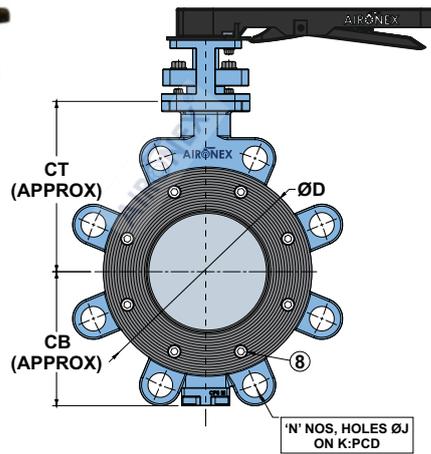
All Dimension are in mm

All Weight are in Kg

LUG TYPE HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE LEVER OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# LUG TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#,300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	LEVER	M.S / S.S		

TEST PRESSURE HYDRAULIC					
BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	ØJ	N	K-PCD	APPROX WEIGHT
1.1/2"	40	42	82	37	82	45	15.9	4	98.6	3.1
2"	50	43	99	47	88	55	19.05	4	120.3	3.6
2.1/2"	65	48	120	60	100.5	63	19.05	4	139.7	4.6
3"	80	54	133	71.5	109	71	19.05	4	152.4	6
4"	100	57	159	95	131	82	19.05	8	190.5	8.6
5"	125	57	186	121	155	97	22.22	8	215.9	11.8
6"	150	64	212	143	164	109	22.22	8	241.3	13
8"	200	71	266	189	201	140	22.22	8	298.4	21

All Dimension are in mm

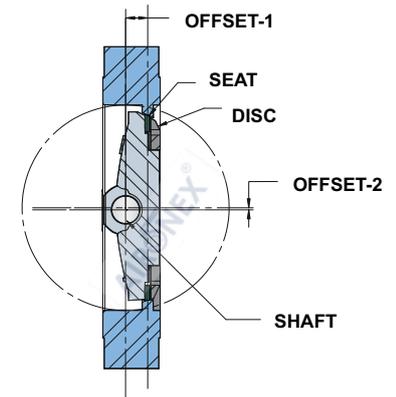
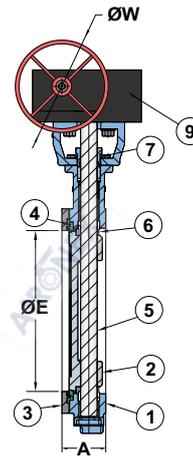
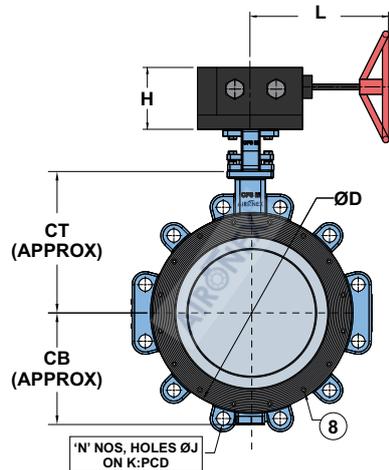
All Weight are in Kg

LUG TYPE HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE GEAR OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# LUG TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#,300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	GEAR BOX	STANDARD		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



ECCENTRIC DESIGN - DOUBLE OFFSET

DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	ØJ	N	K-PCD	H	L	ØW	APPROX WEIGHT
1.1/2"	40	42	82	37	82	45	15.9	4	98.6	50	120	150	4.4
2"	50	43	99	47	88	55	19.05	4	120.3	50	120	150	4.8
2.1/2"	65	48	120	60	100.5	63	19.05	4	139.7	50	120	150	7
3"	80	48	133	71.5	109	71	19.05	4	152.4	50	175	200	8.4
4"	100	54	159	95	131	82	19.05	8	190.5	50	175	200	11.1
5"	125	57	186	121	155	97	22.22	8	215.9	50	175	200	14.2
6"	150	57	212	143	164	109	22.22	8	241.3	50	175	200	15.3
8"	200	64	266	189	201	140	22.22	8	298.4	62	194	250	23
10"	250	71	326	239	228	172	25.4	12	362	62	194	250	42.5
12"	300	81	382	290	267	200	25.4	12	431.8	75	248	350	63.5
14"	350	92	432	340	308	223	28.6	12	476.2	85	280	500	79
16"	400	102	482	388	334	268	28.6	16	539.8	85	280	500	139
18"	450	114	522	430	370	286	31.75	16	577.8	120	358	500	154
20"	500	127	580	482	402	368	31.75	20	635	166	385	500	206
24"	600	154	695	546	474	400	34.9	20	749.3	112	465	600	379

All Dimension are in mm

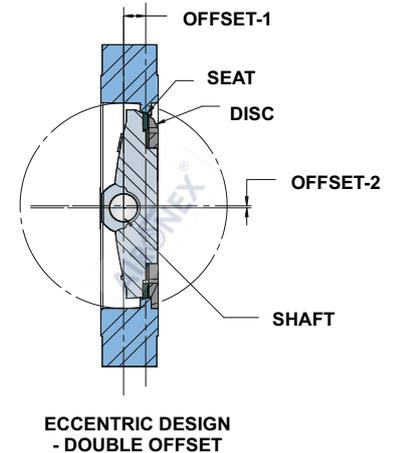
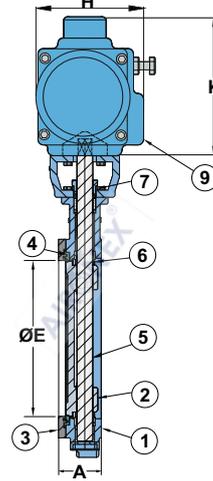
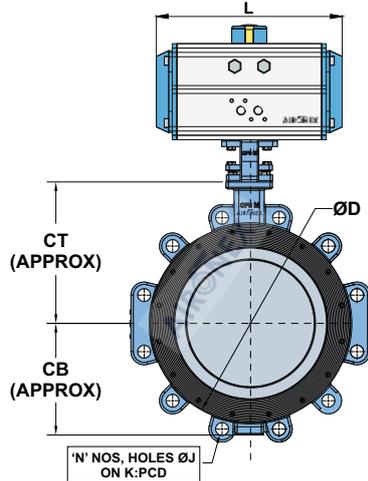
All Weight are in Kg

LUG TYPE HIGH PERFORMANCE DOUBLE OFF BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# LUG TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#,300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	PNEUMATIC ACTUATOR	DOUBLE ACTING / SINGLE ACTING		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	ØJ	N	K-PCD	H	L	K	APPROX WEIGHT
1.1/2"	40	42	82	37	82	45	15.9	4	98.6	92	82	61.5	3.8
2"	50	43	99	47	88	55	19.05	4	120.3	92	96	61.5	4.2
2.1/2"	65	48	120	60	100.5	63	19.05	4	139.7	108	112	63	6
3"	80	48	133	71.5	109	71	19.05	4	152.4	108	131	63	7.3
4"	100	54	159	95	131	82	19.05	8	190.5	119.5	160	95	11
5"	125	57	186	121	155	97	22.22	8	215.9	128.7	188	108	15
6"	150	57	212	143	164	109	22.22	8	241.3	128.7	219	108	16
8"	200	64	266	189	201	140	22.22	8	298.4	136.5	271	108	25
10"	250	71	326	239	228	172	25.4	12	362	185	323	142	47
12"	300	81	382	290	267	200	25.4	12	431.8	202	380	152	72
14"	350	92	432	340	308	223	28.6	12	476.2	227	430	174	92
16"	400	102	482	388	334	268	28.6	16	539.8	260	488	206	156
18"	450	114	522	430	370	286	31.75	16	577.8	260	530	206	182
20"	500	127	580	482	402	368	31.75	20	635	285	583	226	253
24"	600	154	695	546	474	400	34.9	20	749.3	294	718	356	437

All Dimension are in mm

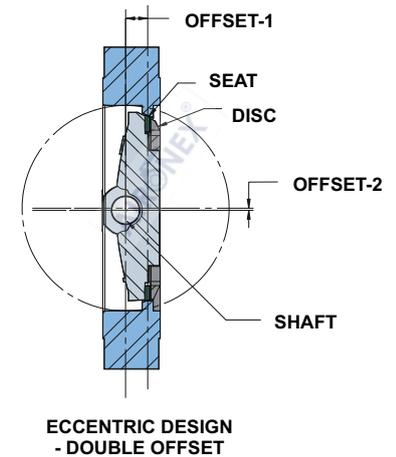
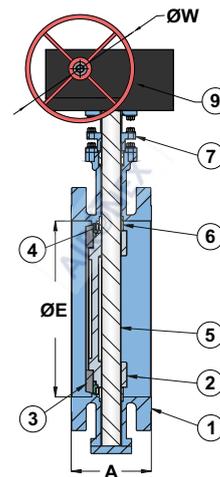
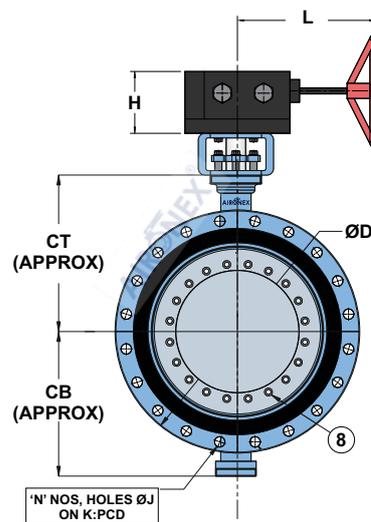
All Weight are in Kg

DOUBLE FLANGE TYPE HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE GEAR OPERATED



TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# FLANGED TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#,300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	GEAR BOX	STANDARD		

TEST PRESSURE HYDRAULIC					
BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	ØJ	N	K-PCD	H	L	ØW	APPROX WEIGHT
3"	80	114	190	76.2	160	140	19	4	152.4	50	175	200	16
4"	100	127	230	101.6	139	131	19	8	190.5	50	175	200	20
5"	125	140	254	126	165	155	22.2	8	215.9	50	175	200	27
6"	150	140	280	152.4	174	170	22.2	8	241.3	50	175	200	35
8"	200	152	345	203.2	205	205	22.2	8	298.5	62	194	250	55
10"	250	165	405	254	231	220	25.4	12	362	62	194	250	75
12"	300	178	485	300	285	275	25.4	12	431.8	72	248	350	107
14"	350	190	541	340	313	320	28.6	16	476.3	85	290	500	168
16"	400	216	595	387	360	350	28.6	16	539.8	85	290	500	200
18"	450	222	533.4	438.2	383	350	31.75	16	577.8	85	290	500	240
20"	500	229	700	489	450	400	31.75	20	635	85	280	500	290
24"	600	267	815	590	525	460	34.9	20	749.3	120	358	500	429

All Dimension are in mm

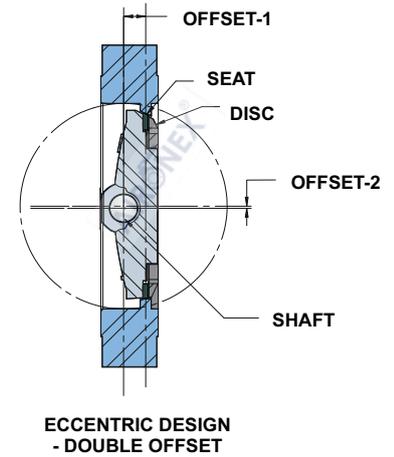
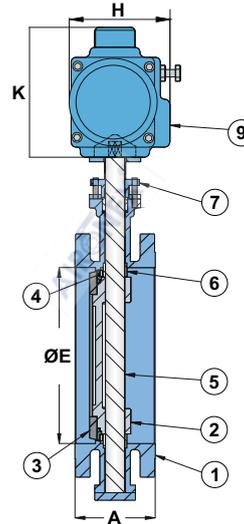
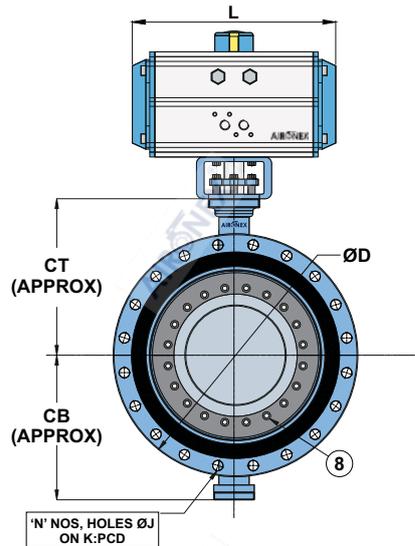
All Weight are in Kg

DOUBLE FLANGE TYPE HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR



TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	PTFE / RPTFE / CFT	END CONNECTION	ASME B16.5 150# FLANGED TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	SHAFT BUSH	S.S 304 / 316	RATING	PN 10 / PN 16 (150#,300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	PNEUMATIC ACTUATOR	DOUBLE ACTING / SINGLE ACTING		

TEST PRESSURE HYDRAULIC					
BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	ØJ	N	K-PCD	H	L	K	APPROX WEIGHT
3"	80	114	190	76.2	160	140	19	4	152.4	108	131	63	18
4"	100	127	230	101.6	139	131	19	8	190.5	119.5	160	95	23
5"	125	140	254	126	165	155	22.2	8	215.9	128.7	188	108	31
6"	150	140	280	152.4	174	170	22.2	8	241.3	128.7	219	108	38
8"	200	152	345	203.2	205	205	22.2	8	298.5	136.5	271	108	60
10"	250	165	405	254	231	220	25.4	12	362	185	323	142	85
12"	300	178	485	300	285	275	25.4	12	431.8	202	380	152	121
14"	350	190	541	340	313	320	28.6	16	476.3	227	430	174	189
16"	400	216	595	387	360	350	28.6	16	539.8	260	488	206	231
18"	450	222	533.4	438.2	383	350	31.75	16	577.8	260	530	206	282
20"	500	229	700	489	450	400	31.75	20	635	285	583	226	353
24"	600	267	815	590	525	460	34.9	20	749.3	294	718	356	516

All Dimension are in mm

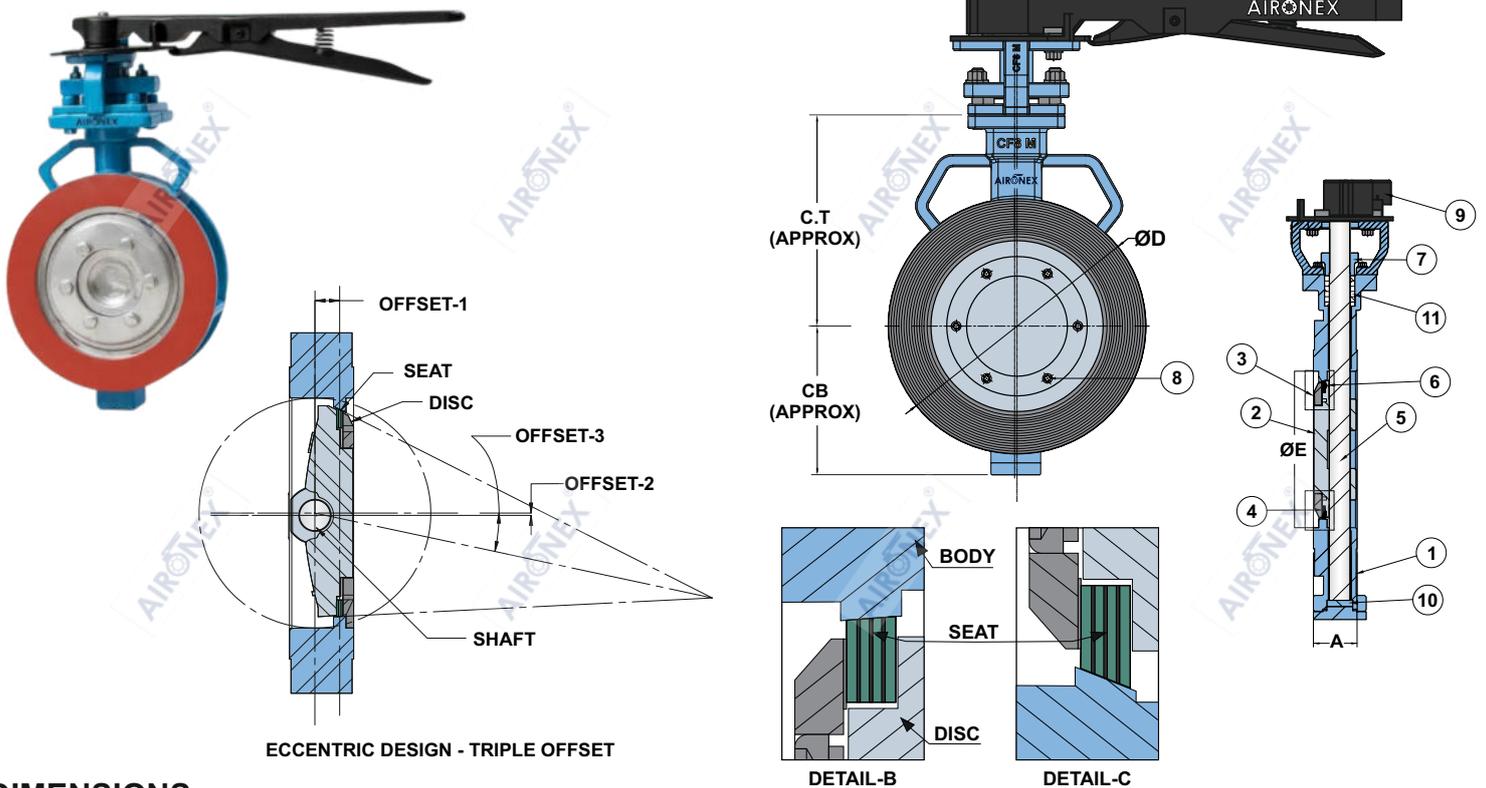
All Weight are in Kg

WAFER TYPE TRIPLE OFFSET BUTTERFLY VALVE LEVER OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	GRAFOIL LAMINATED METAL SEAT	END CONNECTION	ASME B16.5 150# WAFER TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	GASKET	S.S + GRAPHITE SPIRAL WOUND	RATING	PN 10 / PN 16 (150#,300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	LEVER	M.S / S.S		
10	THURST WASHER	S.S 304 / 316		
11	GLAND PACKING	GRAFOIL		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - 150#	32 KG/CM2	BODY SEAT TEST -	22 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	APPROX WEIGHT
3"	80	48	133	71.5	109	71	11
4"	100	54	159	95	131	82	15
5"	125	57	186	121	155	97	19
6"	150	57	212	143	164	109	25

All Dimension are in mm

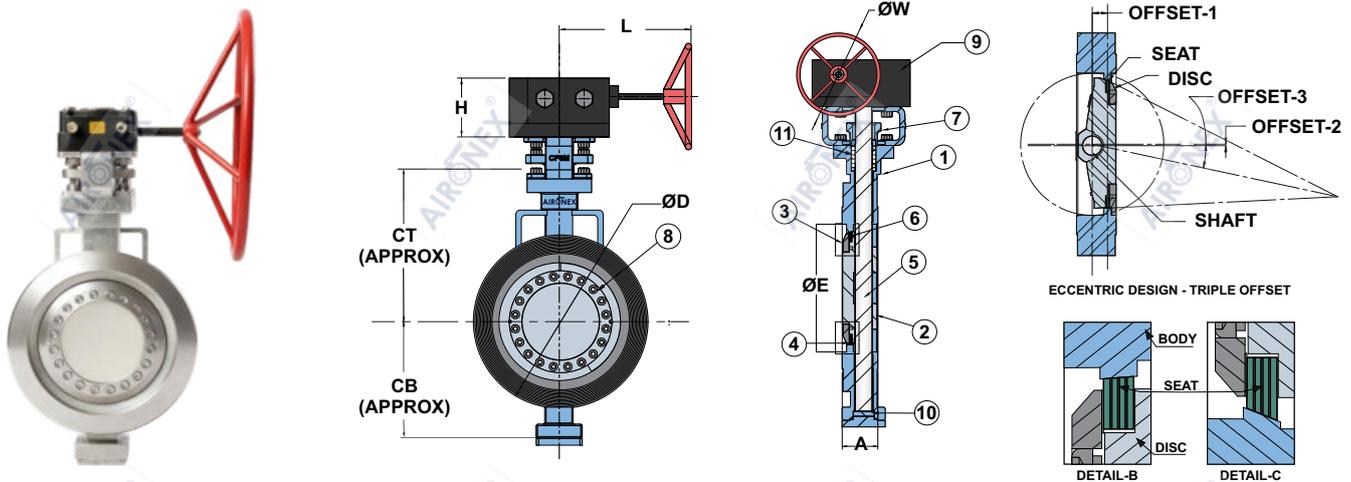
All Weight are in Kg

WAFER TRIPLE OFFSET BUTTERFLY VALVE GEAR OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	GRAFOIL LAMINATED METAL SEAT	END CONNECTION	ASME B16.5 150# WAFER TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	GASKET	S.S + GRAPHITE SPIRAL WOUND	RATING	PN 10 / PN 16 (150#, 300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	GEAR BOX	STANDARD		
10	THURST WASHER	S.S 304 / 316		
11	GLAND PACKING	GRAFOIL		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - 150#	32 KG/CM2	BODY SEAT TEST -	22 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	CT	CB	H	L	ØW	APPROX WEIGHT
3"	80	48	133	71.5	109	71	50	175	200	14
4"	100	54	159	95	131	82	50	175	200	18
5"	125	57	186	121	155	97	50	175	200	24
6"	150	57	212	143	164	109	50	175	200	30
8"	200	64	266	189	201	140	62	194	250	48
10"	250	71	326	239	228	172	62	194	250	62
12"	300	81	382	290	267	200	75	248	350	85
14"	350	92	432	340	308	223	85	280	500	125
16"	400	102	482	388	334	268	85	280	500	180
18"	450	114	522	430	370	286	120	358	500	260
20"	500	127	580	482	402	368	166	385	500	310
24"	600	154	695	546	474	400	112	465	600	450

All Dimension are in mm

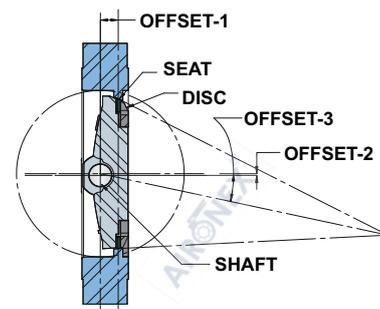
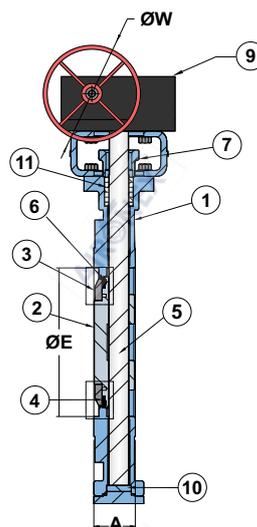
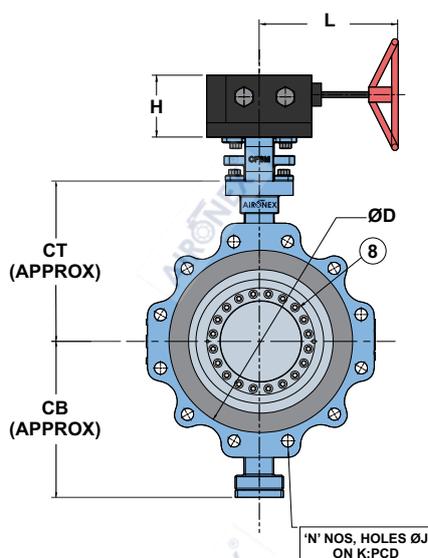
All Weight are in Kg

LUG TYPE TRIPLE OFFSET BUTTERFLY VALVE GEAR OPERATED

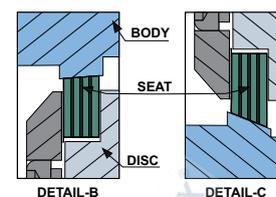
TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.B / BS EN 558
4	SEAT RING	GRAFOIL LAMINATED METAL SEAT	END CONNECTION	ASME B16.5 150# LUG TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	GASKET	S.S + GRAPHITE SPIRAL WOUND	RATING	PN 10 / PN 16 (150#, 300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	GEAR BOX	STANDARD		
10	THURST WASHER	S.S 304 / 316		
11	GLAND PACKING	GRAFOIL		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - 150#	32 KG/CM2	BODY SEAT TEST -	22 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



ECCENTRIC DESIGN - TRIPLE OFFSET



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	CT	CB	ØJ	N	K-PCD	H	L	ØW	APPROX WEIGHT
3"	80	48	127	73	161.5	141.5	19.5	4	152.4	50	175	200	16
4"	100	54	157.2	101.6	184	155	19.5	8	190.5	50	175	200	21
5"	125	57	185.2	152	195	175	22.2	8	215.9	50	175	200	27
6"	150	57	215.9	152	210	185	22.2	8	241.3	62	194	250	35
8"	200	64	345	203	245	205	22.2	8	298.5	62	194	250	53
10"	250	71	324	254	270	240	25.4	12	362	72	248	350	72
12"	300	81	381	300	335	310	25.4	12	431.8	85	290	500	100
14"	350	92	413	340	355	320	28.6	12	476.3	85	290	500	150
16"	400	102	470	387.4	380	350	28.6	16	539	85	280	500	200
18"	450	114	533.4	438.2	420	375	31.75	16	577.9	85	280	500	240
20"	500	127	584.2	489	450	400	31.75	20	635	120	358	500	290
24"	600	154	692.2	590.6	525	460	34.9	20	749.3	166	385	600	400

All Dimension are in mm

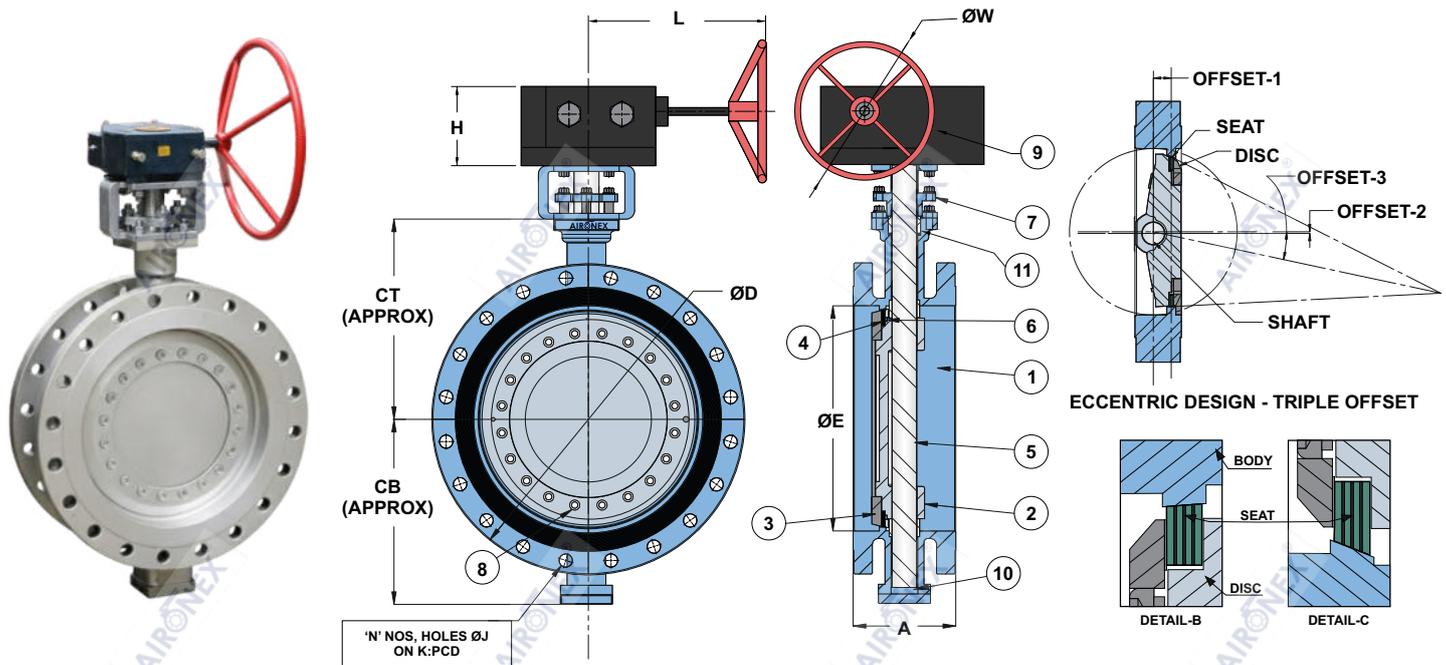
All Weight are in Kg

TRIPLE OFFSET DOUBLE FLANGE BUTTERFLY VALVE GEAR OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	RETAINER	WCB / CF8 / CF8M / CF3 / CF3M	FACE TO FACE	API 609 CAT.A / BS EN 558 / ISO 5752
4	SEAT RING	GRAFOIL LAMINATED METAL SEAT	END CONNECTION	ASME B16.5 150# FLANGED TYPE
5	SHAFT	S.S 410 / 304 / 316 / 17-4PH	TOP MOUNTING FLNAGE	ISO 5211
6	GASKET	S.S + GRAPHITE SPIRAL WOUND	RATING	PN 10 / PN 16 (150#,300# & 600# ON REQUEST)
7	GLAND	WCB / CF8 / CF8M	FLOW DIRECTION	UNI-DIRECTIONAL (BI-DIRECTIONAL ON REQUEST)
8	FASTNER	S.S 202 / 304		
9	GEAR BOX	STANDARD		
10	THURST WASHER	S.S 304 / 316		
11	GLAND PACKING	GRAFOIL		

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - 150#	32 KG/CM2	BODY SEAT TEST -	22 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

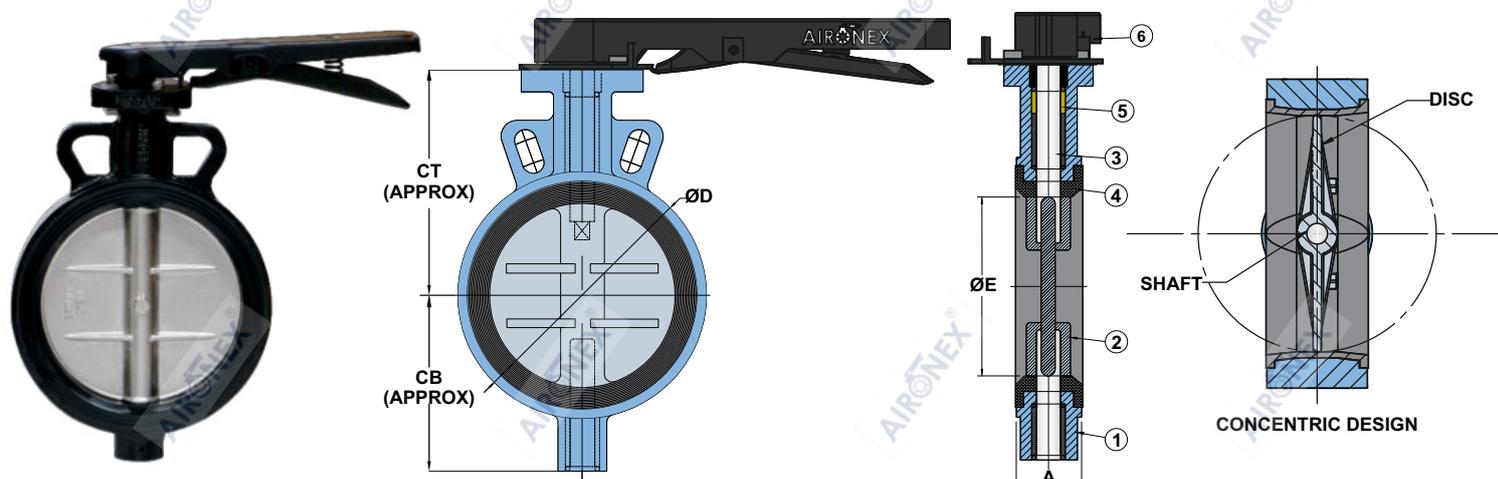
SIZE (IN.)	SIZE (MM)	A±3	ØD±5	ØE±2	CT	CB	H	L	ØW	ØJ	N	K-PCD	APPROX WEIGHT
3"	80	114	190	76.2	140	160	50	175	200	19	4	152.4	17
4"	100	127	230	101.6	131	139	50	175	200	19	8	190.5	22
5"	125	140	254	126	155	165	50	175	200	22.2	8	215.9	28
6"	150	140	280	152.4	170	174	62	194	250	22.2	8	241.3	36
8"	200	152	345	203.2	205	205	62	194	250	22.2	8	298.5	57
10"	250	165	405	254	220	231	72	248	350	25.4	12	362	77
12"	300	178	485	300	275	285	85	290	500	25.4	12	431.8	110
14"	350	190	541	340	320	313	85	290	500	28.6	16	476.3	175
16"	400	216	595	387	350	360	85	280	500	28.6	16	539.8	220
18"	450	222	533.4	438.2	350	383	85	280	500	31.75	16	577.9	255
20"	500	229	700	489	400	450	120	358	500	31.75	20	635	305
24"	600	267	815	590	460	525	166	385	600	34.9	20	749.3	430

All Dimension are in mm

All Weight are in Kg

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CI / DI / SGI / CF8 / CF8M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CI / DI / SGI / CF8 / CF8M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	SHAFT	S.S 410 / 304 / 316 / 17-4PH	FACE TO FACE	API 609 CAT.A / BS EN 558 / ISO 5752
4	SEAT	EPDM / NITRILE / HAYPLON / VITON	END CONNECTION	ASME B 16.5 WAFER TYPE
5	BEARING BUSH	S.S + PTFE (DU BUSH)	SEAT TYPE	INTEGRALLY MOULDED WITH THE BODY
6	LEVER	S.S / M.S	OPER. TEMP. RANGE	-25°C TO 130°C (DEPENDING ON MOC)

TEST PRESSURE HYDRAULIC					
BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	CT	CB	APPROX WEIGHT
1.1/2"	40	34	82	40	107	56	1.100
2"	50	43	95	49	108	63	1.300
2.1/2"	65	46	110	64	125	71	1.900
3"	80	46	125	78	128	81	3.200
4"	100	52	152	98	148	91	4.300
5"	125	56	179	123	163	108	5.800
6"	150	56	205	150	183	128	6.900
8"	200	60	260	200	210	150	12.2

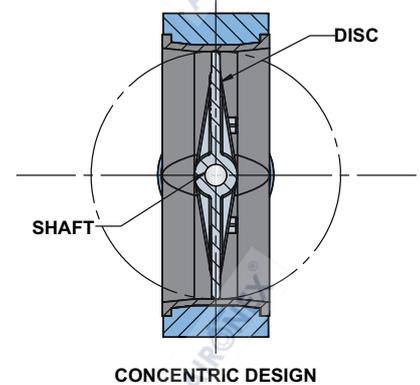
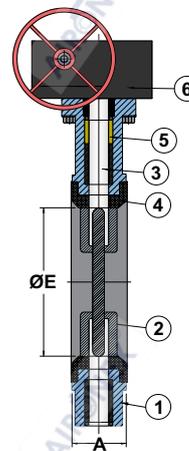
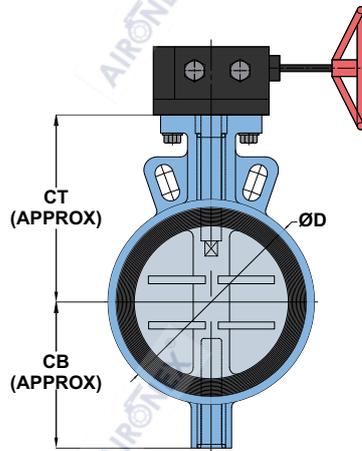
All Dimension are in mm

All Weight are in Kg

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CI / DI / SGI / CF8 / CF8M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CI / DI / SGI / CF8 / CF8M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	SHAFT	S.S 410 / 304 / 316 / 17-4PH	FACE TO FACE	API 609 CAT.A / BS EN 558 / ISO 5752
4	SEAT	EPDM / NITRILE / HAYPLON / VITON	END CONNECTION	ASME B 16.5 WAFER TYPE
5	BEARING BUSH	S.S + PTFE (DU BUSH)	SEAT TYPE	INTEGRALLY MOULDED WITH THE BODY
6	GEAR BOX	STANDARD	OPER. TEMP. RANGE	-25°C TO 130°C (DEPENDING ON MOC)

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

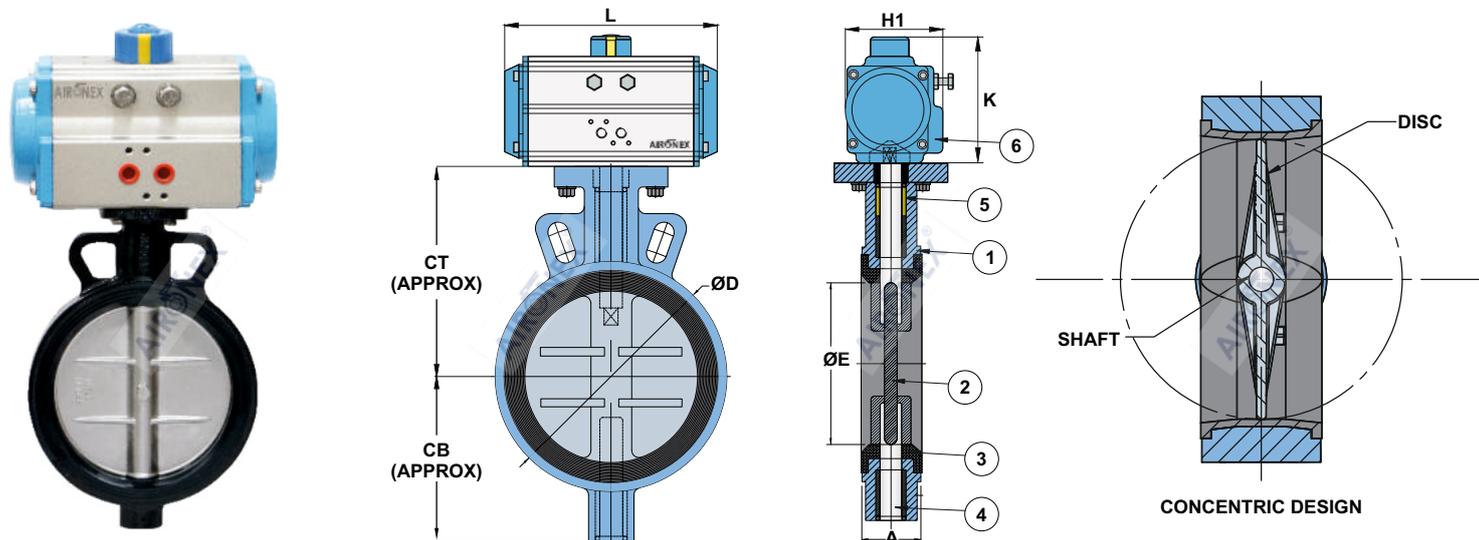
SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	CT	CB	APPROX WEIGHT
1.1/2"	40	34	80	40	107	56	2.8
2"	50	43	95	50	108	63	3
2.1/2"	65	46	108	65	125	71	3.6
3"	80	46	124	80	128	81	6
4"	100	52	150	100	148	91	7
5"	125	56	186	125	163	108	8.5
6"	150	56	205	150	183	128	9.6
8"	200	60	258	200	210	150	14.7
10"	250	68	321	250	258	183	30.9
12"	300	78	368	300	283	208	39
14"	350	78	438	350	355	258	51
16"	400	102	490	400	383	291	73
18"	450	114	602	450	422	362	107.5
20"	500	127	700	500	429	377	141
24"	600	154	695	600	504	452	271
26"	650	165	740	650	-	-	-
28"	700	165	800	700	-	-	-
30"	750	165	857	750	-	-	-
36"	900	200	1025	900	-	-	-
38"	950	216	1090	950	-	-	-
40"	1000	216	1131	1000	-	-	-
42"	1050	251	1195	1050	-	-	-
46"	1150	276	1295	1150	-	-	-
48"	1200	276	1350	1200	-	-	-

PNEUMATIC ACTUATOR OPERATED WAFER TYPE CENTRIC BUTTERFLY VALVE

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CI / DI / SGI / CF8 / CF8M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CI / DI / SGI / CF8 / CF8M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	SEAT	EPDM / NITRILE / HAYPLON / VITON	FACE TO FACE	API 609 CAT.A / BS EN 558 / ISO 5752
4	SHAFT	S.S 410 / 304 / 316 / 17-4PH	END CONNECTION	ASME B 16.5 WAFER TYPE
5	BEARING BUSH	S.S + PTFE (DU BUSH)	SEAT TYPE	INTEGRALLY MOULDED WITH THE BODY
6	PNEUMATIC ACTUATOR	DOUBLE ACTING / SINGLE ACTING	OPER. TEMP. RANGE	-25°C TO 130°C (DEPENDING ON MOC)

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	CT	CB	L	H1	K	APPROX WEIGHT
1.1/2"	40	34	80	40	107	56	122	80	65	1.6
2"	50	43	90	49	108	63	147	92	61.5	1.8
2.1/2"	65	46	105	64	125	71	168	108	63	3
3"	80	46	122	78	128	81	168	108	63	4.8
4"	100	52	147	98	148	91	184	119.5	65	6.8
5"	125	56	175	123	163	108	204	128.7	108	8.5
6"	150	56	200	150	183	128	204	128.7	108	9.7
8"	200	60	255	200	210	150	262	136.5	108.5	16.5
10"	250	68	320	245	258	183	268	153	121.5	35
12"	300	78	375	293	283	208	301	185	142	47.5
14"	350	78	422	338	355	258	390	202	152	64
16"	400	102	490	385	383	291	458	207	174	95

All Dimension are in mm

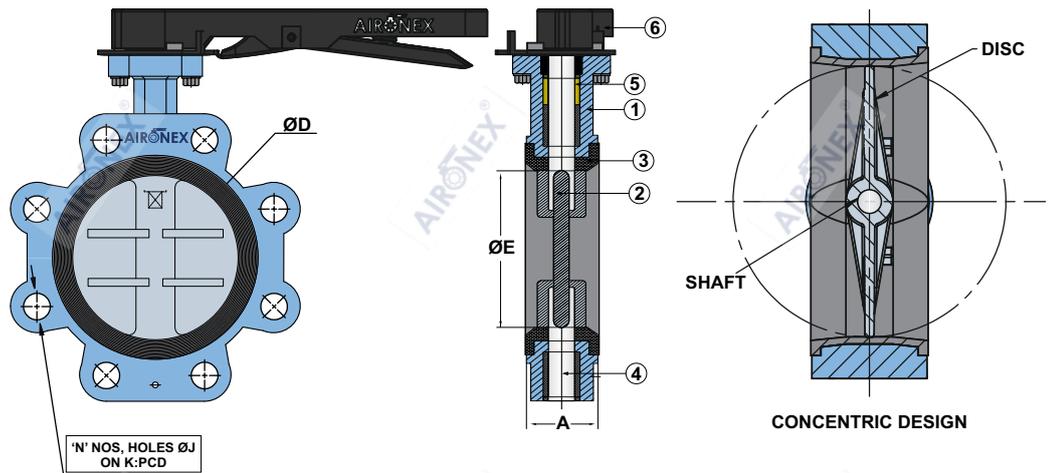
All Weight are in Kg

LUG TYPE CENTRIC BUTTERFLY VALVE LEVER OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CI / DI / SGI / CF8 / CF8M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CI / DI / SGI / CF8 / CF8M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	SEAT	EPDM / NITRILE / HAYPLON / VITON	FACE TO FACE	API 609 CAT.A / BS EN 558 / ISO 5752
4	SHAFT	S.S 410 / 304 / 316 / 17-4PH	END CONNECTION	ASME B 16.5 LUG TYPE
5	BEARING BUSH	S.S + PTFE (DU BUSH)	SEAT TYPE	INTEGRALLY MOULDED WITH THE BODY
6	LEVER	M.S / S.S	OPER. TEMP. RANGE	-25°C TO 130°C (DEPENDING ON MOC)

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	ØJ	N	K-PCD	APPROX WEIGHT
1.1/2"	40	34	80	40	15.9	4	98.6	3.5
2"	50	43	95	50	19.05	4	120.3	4.5
2.1/2"	65	46	108	65	19.05	4	139.7	5
3"	80	46	124	80	19.05	4	152.4	5.5
4"	100	52	150	100	19.05	8	190.5	10
5"	125	56	186	125	22.22	8	215.9	12
6"	150	56	205	150	22.22	8	241.3	17
8"	200	60	258	200	22.22	8	298.4	24

All Dimension are in mm

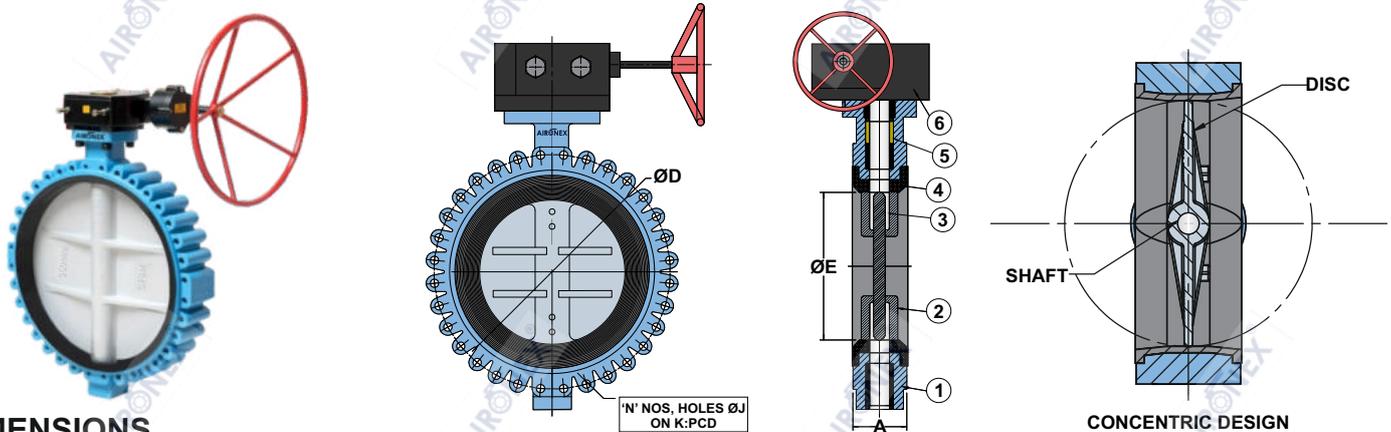
All Weight are in Kg

LUG TYPE CENTRIC BUTTERFLY VALVE GEAR OPERATED

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CI / DI / SGI / CF8 / CF8M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CI / DI / SGI / CF8 / CF8M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	SEAT	EPDM / NITRILE / HAYPLON / VITON	FACE TO FACE	API 609 CAT.A / BS EN 558 / ISO 5752
4	SHAFT	S.S 410 / 304 / 316 / 17-4PH	END CONNECTION	ASME B16.5 CLASS 150# / ASME B16.47 SERIES 'A' AWWA C207 CLASS - D (26" TO 48")
5	BEARING BUSH	S.S + PTFE (DU BUSH)	SEAT TYPE	INTEGRALLY MOULDED WITH THE BODY
6	GEAR BOX	STANDARD	OPER. TEMP. RANGE	-25°C TO 130°C (DEPENDING ON MOC)

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	ØJ	N	K-PCD	APPROX WEIGHT
1.1/2"	40	34	80	40	15.9	4	98.6	5
2"	50	43	95	50	19.05	4	120.3	6
2.1/2"	65	46	108	65	19.05	4	139.7	6.5
3"	80	46	124	80	19.05	4	152.4	8.5
4"	100	52	150	100	19.05	8	190.5	11.5
5"	125	56	186	125	22.22	8	215.9	13.5
6"	150	56	205	150	22.22	8	241.3	18.5
8"	200	60	258	200	22.22	8	298.4	25.5
10"	250	68	321	250	25.4	12	362	44
12"	300	78	368	300	25.4	12	431.8	53
14"	350	78	438	350	28.6	12	476.2	77
16"	400	102	490	400	28.6	16	539.8	122
18"	450	114	602	450	31.75	16	577.8	153
20"	500	127	700	500	31.75	20	635	238
24"	600	154	695	600	34.9	20	749.3	336
26"	650	165	740	650	34.9	24	806.4	-
28"	700	165	800	700	34.9	28	863.6	-
30"	750	165	857	750	34.9	28	914.4	-
36"	900	200	1025	900	41.3	32	1085.8	-
38"	950	216	1090	950	41.3	32	1149.4	-
40"	1000	216	1131	1000	41.3	36	1200.2	-
42"	1050	251	1195	1050	41.3	36	1257.3	-
46"	1150	276	1295	1150	41.3	40	1365.2	-
48"	1200	276	1350	1200	41.3	44	1422.4	-

All Dimension are in mm

All Weight are in Kg

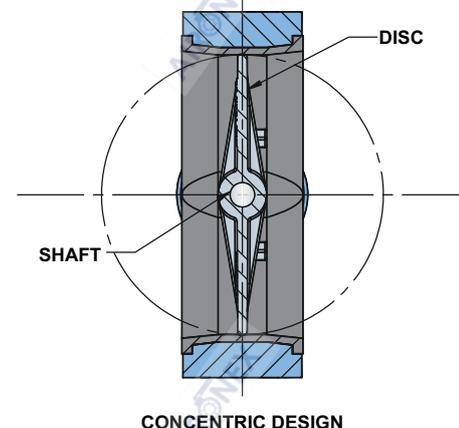
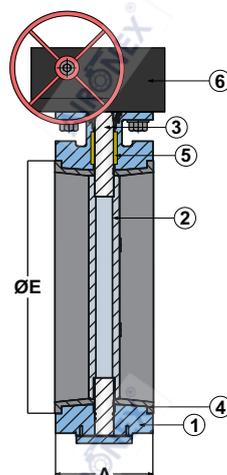
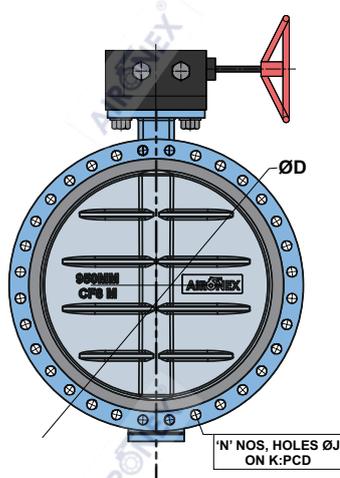
DOUBLE FLANGE TYPE CENTRIC BUTTERFLY VALVE GEAR OPERATED



TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CI / DI / SGI / CF8 / CF8M	DESIGN & MFG STD	BS EN 593 / API 609
2	DISC	WCB / CI / DI / SGI / CF8 / CF8M	TESTING & INSPECTION	API 598 / BS EN 12266-1
3	SHAFT	S.S 410 / 304 / 316 / 17-4PH	FACE TO FACE	API 609 CAT.A / BS EN 558 / ISO 5752
4	SEAT	EPDM / NITRILE / HAYPLON / VITON	END CONNECTION	ASME B16.5 CLASS 150# / ASME B16.47 SERIES 'A' AWWA C207 CLASS - D (26" TO 48")
5	BEARING BUSH	S.S + PTFE (DU BUSH)	SEAT TYPE	INTEGRALLY MOULDED WITH THE BODY
6	GEAR BOX	STANDARD	OPER. TEMP. RANGE	-25°C TO 130°C (DEPENDING ON MOC)

TEST PRESSURE HYDRAULIC

BODY SHELL TEST - PN 10	16 KG/CM2	BODY SEAT TEST -	11 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
BODY SHELL TEST - PN 16	24 KG/CM2	BODY SEAT TEST -	17 KG/CM2	PNEUMATIC TEST -	7 KG/CM2



CONCENTRIC DESIGN

DIMENSIONS

SIZE (IN.)	SIZE (MM)	A±3	ØD±8	ØE±2	ØJ	N	K-PCD	APPROX WEIGHT
2"	50	108	152	50	19.05	4	120.3	8
2.1/2"	65	112	178	65	19.05	4	139.7	10
3"	80	114	190	80	19.05	4	152.4	11
4"	100	127	229	100	19.05	8	190.5	14
5"	125	140	254	125	22.22	8	215.9	18
6"	150	140	279	150	22.22	8	241.3	22
8"	200	152	343	200	22.22	8	298.4	35
10"	250	162	406	250	25.4	12	362	51
12"	300	178	483	300	25.4	12	431.8	67
14"	350	190	533	350	28.6	12	476.2	107
16"	400	216	597	400	28.6	16	539.8	139
18"	450	222	635	450	31.75	16	577.8	190
20"	500	229	693	500	31.75	20	635	232
24"	600	267	813	600	34.9	20	749.3	350
26"	650	292	870	650	34.9	24	806.4	-
28"	700	292	925	700	34.9	28	863.6	-
30"	750	318	985	750	34.9	28	914.4	-
32"	800	318	1025	800	41.3	28	977.9	-
36"	900	330	1170	900	41.3	32	1085.8	-
38"	950	410	1240	950	41.3	32	1149.4	-
40"	1000	410	1290	1000	41.3	36	1200.2	-
42"	1050	410	1345	1050	41.3	36	1257.3	-
46"	1150	470	1455	1150	41.3	40	1365.2	-
48"	1200	470	1510	1200	41.3	44	1422.4	-

All Dimension are in mm

All Weight are in Kg

300# TRUNNION MOUNTED BALL VALVE (METAL, SOFT SEATED)



TECHNICAL SPECIFICATIONS

SR. No.	PART NAME	MATERIAL	SR. No.	PART NAME	MATERIAL
1	BODY	ASTM A216 Gr.WCB	16	BODY O RING	VITON
2	SIDE PIECE	ASTM A216 Gr.WCB	17	TRUNNION	S.S 316
3	BALL (SOLID)	ASTM A351 Gr CF8M	18	TRUNNION BEARING	S.S 316 +PTFE
4	STEM (ANTI-BLOW OUT)	S.S 316	19	TRUNNION SEAL	PTFE
5	SEAT (RENEWABLE)	RPTFE	20	TRUNNION O RING	VITON
6	STUDS & NUTS	ASTM A193-B7 / ASTM A194-2H	21	STEM SEALANT	S.S 304
7	SEAT RING	ASTM A240 TYPE 316	22	SEAT SEALANT	S.S 304
8	ADAPTOR	ASTM A216 Gr.WCB	23	DRAIN PLUG	S.S 304
9	STEM PACKING	RPTFE	24	ADAPTOR ALLEN BOLT	ASTM A193-B7
10	SEAT RING SPRING	INCONEL X750	25	STEM O RING	VITON
11	ANTISTATIC SPRING	S.S 316	26	ADAPTOR O RING	VITON
12	ANTISTATIC BALL	S.S 316	27	GLAND	S.S 304
13	GLAND PACKING	GRAPHITE	28	GLAND BUSH	S.S 316
14	BRACKET	ASTM A216 GR.WCB	29	GLAND BOLT	ASTM A193-B7
15	GEAR BOX	STANDARD	30	BRACKET BOLT	ASTM A193-B7

TEST PRESSURE HYDRAULIC

BODY SHELL TEST -

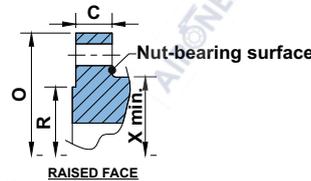
78 KG/CM2

BODY SEAT TEST -

58 KG/CM2

PNEUMATIC TEST -

7 KG/CM2



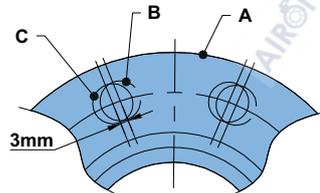
RAISED FACE

Key
 C - flange thickness
 O - outside diameter of flange
 R - raised-face diameter
 X min. - hub diameter

TYPICAL FLANGE DIMENSION

Parallelism of aligned flange Faces-Angular Alignment
 The maximum measured difference between flanges shall be 0.03 in./ft (2.5 mm/m)

Offset of Aligned Flange Centerlines-Lateral Alignment
 for valves larger than NPS 4 (DN 100), the maximum total allowable misalignment shall be equivalent to 0.118 in. (3 mm)



Key
 A - flange
 B - hole in first flange
 C - holes in opposite flange for alignment

BOLT-HOLE MISALIGNMENT

(40) SECONDARY SEALANT & (41) GREAS NIPPLE

'O' RING
 SPRING
 SEAT RING
 SEAT

DETAIL 'Z'

TECHNICAL DATA

APPLICABLE STANDARD

MFG./ DESIGN	ISO 17292 / ASME B16.34 / API 6D / BS 5351
TESTING	API 598 / BS EN 12266-1 / API 6D / ISO 5208
END CONNECTION	ASME B16.5 / ASME B16.47
FACE TO FACE	AS PER ASME B16.10 / API 6D / EN 558
FIRE SAFE	API 6FA / API 607 / ISO 10497
ASME CLASS	300#

300# TRUNNION MOUNTED BALL VALVE (METAL, SOFT SEATED)



TEST PRESSURE HYDRAULIC

BODY SHELL TEST -

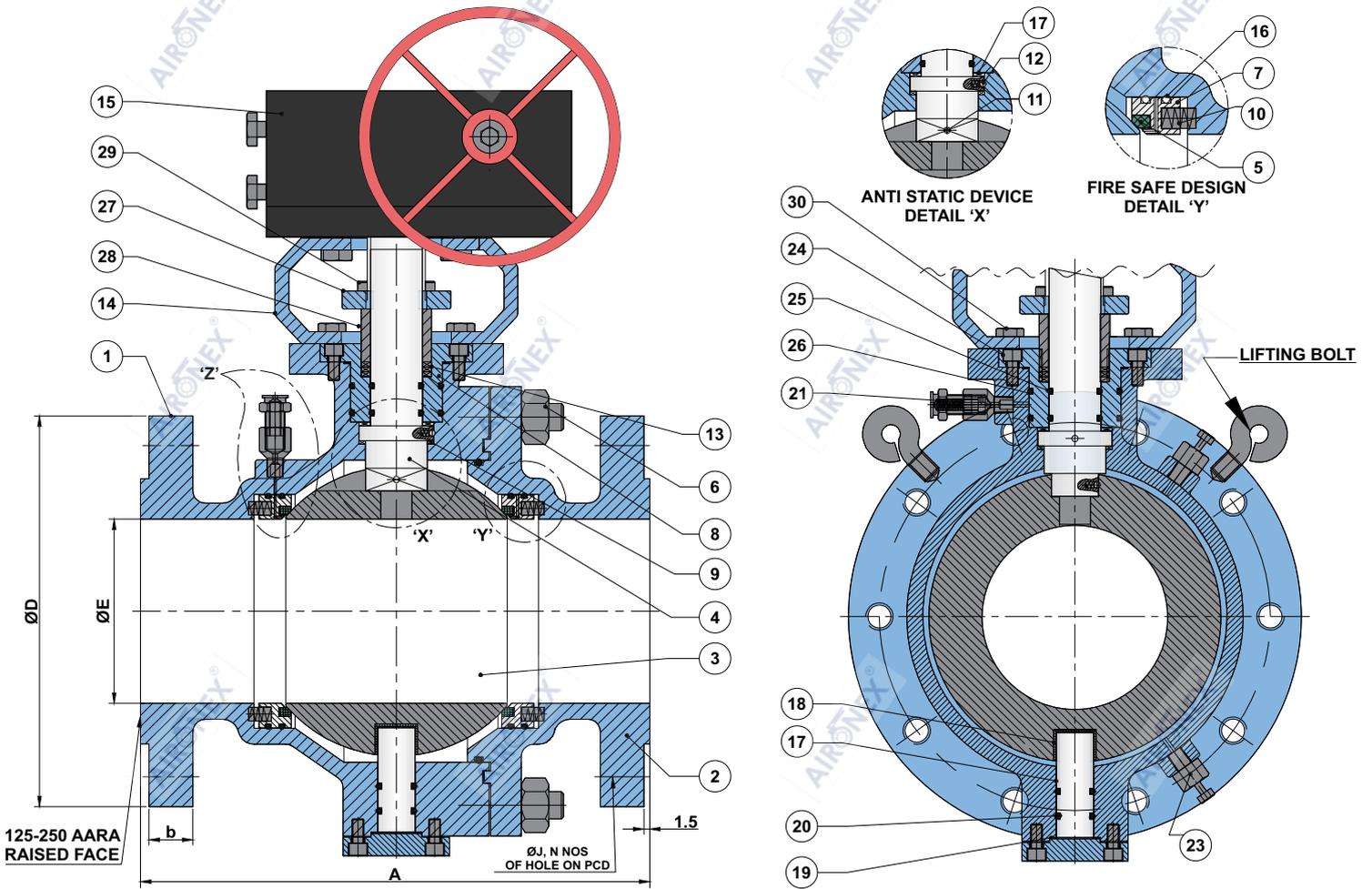
78 KG/CM2

BODY SEAT TEST -

58 KG/CM2

PNEUMATIC TEST -

7 KG/CM2



DIMENSIONS

SIZE (IN.)	SIZE (MM)	ØE	A	ØD	b	ØJ	N	PCD	APPROX WEIGHT
2"	50	49	216	165	20.7	19.1	8	127	17
3"	80	76	283	210	27	22.2	8	168.3	35
4"	100	100	305	255	30.2	22.2	8	200	45
6"	150	148	403	318	35	22.2	12	269.7	125
8"	200	198	502	381	39.7	25.4	12	330.2	205
10"	250	245	568	444	46.1	28.6	16	387.4	380
12"	300	298	648	520	49.3	31.8	16	450.8	550
14"	350	337	762	585	52.4	31.8	20	514.4	685
16"	400	387	838	650	55.6	34.9	20	571.5	950
18"	450	436	914	710	58.8	34.9	24	628.5	-
20"	500	488	991	775	62	34.9	24	685.8	-

All Dimension are in mm

All Weight are in Kg

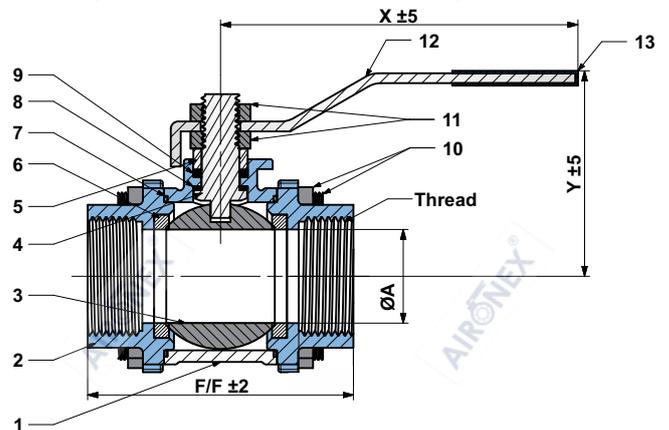
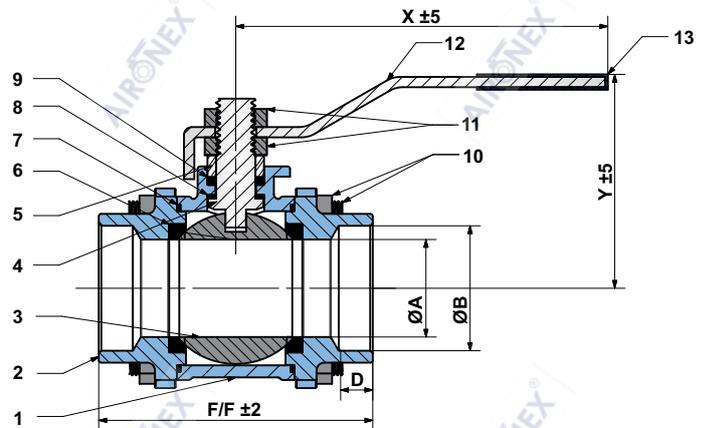
3 PIECE SOCKET WELD & SCREWED END BALL VALVE

TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	8	STEM SEAL	PTFE / GFT / CFT / GRAYFOIL
2	TAIL PIECE	CF8 / CF8M / WCB / CF3 / CF3M	9	GLAND SEAL	PTFE / GFT / CFT / GRAYFOIL
3	BALL (HOLLOW / SOLID)	CF8 / CF8M / CF3 / CF3M	10	STUD & NUT	SS 202 / SS 304L / 316 / B7
4	STEM	SS 304 / SS 316 / SS 304L / SS 316L	11	GLAND & HANDLE NUT	SS 202 / SS 304L / 316 / B7
5	GLAND	PTFE / GFT / CFT / GRAY FOIL	12	HANDLE	SS 202 / SS 304L / 316 / MS
6	SEAT RING	PTFE / GFT / CFT	13	SLEEVE	PVC
7	BODY SEAL	PTFE / GFT / CFT / GRAY FOIL			

TEST PRESSURE HYDRAULIC

BODY SHELL TEST -150#	32 KG/CM2	BODY SEAT TEST - 150#	22 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
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DIMENSIONS

SIZE (IN.)	SIZE (MM)	ØA	ØB	THREAD	D	F/F	X	Y	APPROX WEIGHT
1/2"	15	13	21.7	1/2" (BSP / NPT)	10.5	66	138	60	0.405
3/4"	20	19	27.1	3/4" (BSP / NPT)	13.5	75	176	70	0.638
1"	25	25	33.9	1" (BSP / NPT)	13.5	88	176	82	1.279
1.1/2"	40	38	48.7	1.1/2" (BSP / NPT)	13.5	106	205	93	2.1
2"	50	49	61	2" (BSP / NPT)	16	118	226	105	3.1

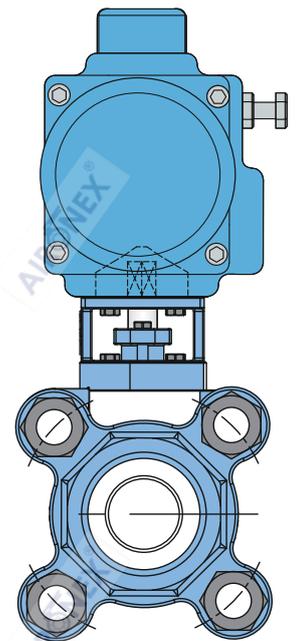
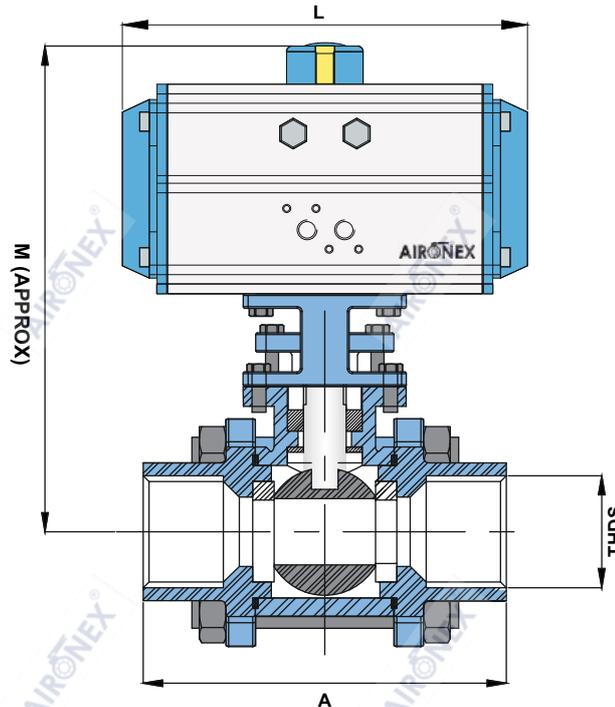
All Dimension are in mm

All Weight are in Kg

PNEUMATIC ACTUATOR OPERATED BALL VALVE S/E

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
2	BALL (HOLLOW / SOLID)	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS 6755
3	SEAT RING	PTFE / GFT / CFT	FACE TO FACE	ASME B16.10
4	BODY SEAL	PTFE / GFT / CFT / GRAY FOIL	END CONNECTION	ASME B16.5
5	STEM SEAL	PTFE / GFT / CFT / GRAY FOIL		
6	GLAND SEAL	PTFE / GFT / CFT / GRAY FOIL		

CLASS 150			ACTUATOR	
TEST TYPE	Kg/cm ²	PSIG	TYPE	RACK AND PINION
HYDRO BODY	32	464	ACTUATION	DOUBLE ACTING / SINGLE ACTING
HYDRO SEAT	22	320	MOUNTING STD.	ISO 5211 AN INTERNATIONAL STANDARD
AIR / PNEUMATIC	7	105	PNEUMATIC CONNECTIONS	NAMUR STANDARD



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A	THDS. BSP	PORT	L	M	APPROX WEIGHT
1/2"	15	68	1/2"	13	110	160	1.160
3/4"	20	72	3/4"	18	110	160	1.620
1"	25	84	1"	25	122	180	1.920
1.1/2"	40	119	1.1/2"	38	168	190	4.070
2"	50	130	2"	50	186	216	4.970

All Dimension are in mm

All Weight are in Kg

3 PIECE FLANGED END BALL VALVE

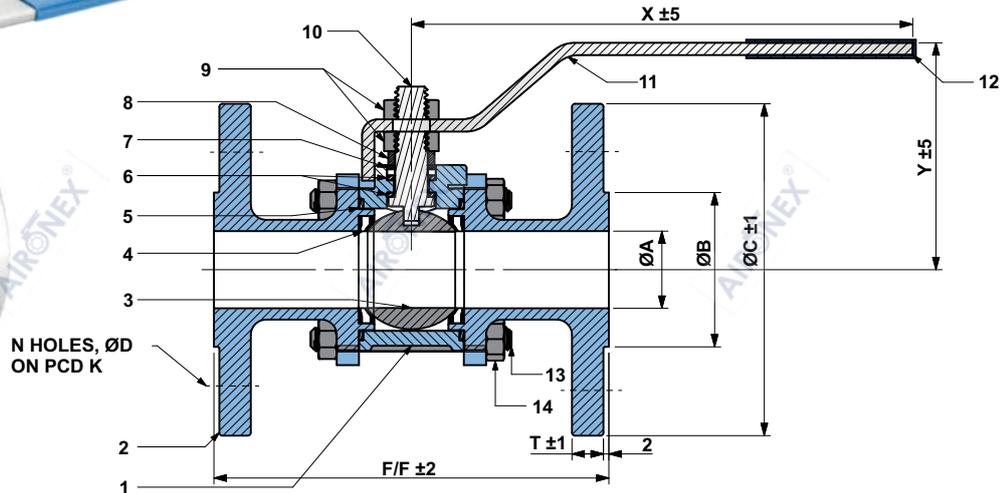
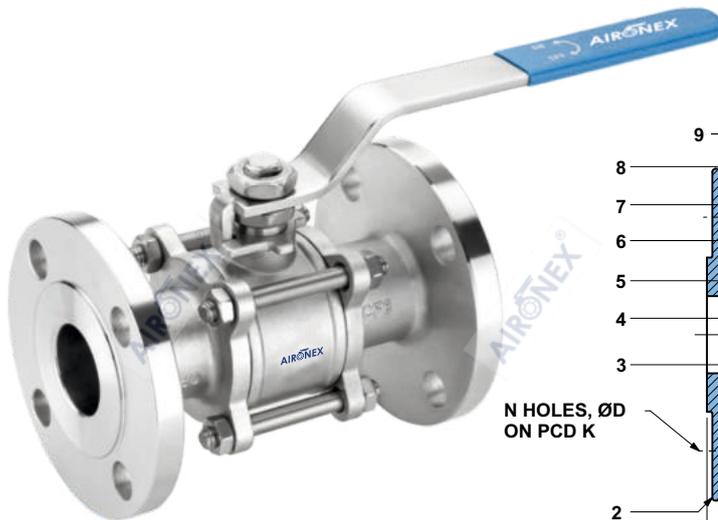
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	8	GLAND	SS 304 / SS 316 / SS 304L / SS316L
2	NUT	CF8 / CF8M / WCB / CF3 / CF3M	9	GLAND & HANDLE NUT	SS 202 / SS 304 / SS 316 / B7
3	BALL (HOLLOW / SOLID)	CF8 / CF8M / CF3 / CF3M	10	STEM	SS 304 / SS 316 / SS 304L / SS 316L
4	SEAT RING	PTFE / GFT / CFT	11	HANDLE	SS 202 / SS 304L / 316 / MS
5	BODY SEAL	PTFE / GFT / CFT / GRAY FOIL	12	SLEEVE	PVC
6	STEM SEAL	PTFE / GFT / CFT / GRAY FOIL	13	STUD	SS 202 / SS 304 / 316 / B7
7	GLAND SEAL	PTFE / GFT / CFT / GRAY FOIL	14	NUT	SS 202 / SS 304 / 316 / B7

CLASS 150

TECHNICAL DATA

TEST TYPE	Kg/cm ²	PSIG	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
HYDRO BODY	32	464	TESTING & INSPECTION	API 598 / BS 6755
HYDRO SEAT	22	320	FACE TO FACE	ASME B16.10
AIR / PNEUMATIC	7	105	END CONNECTION	ASNE B16.5



DIMENSIONS

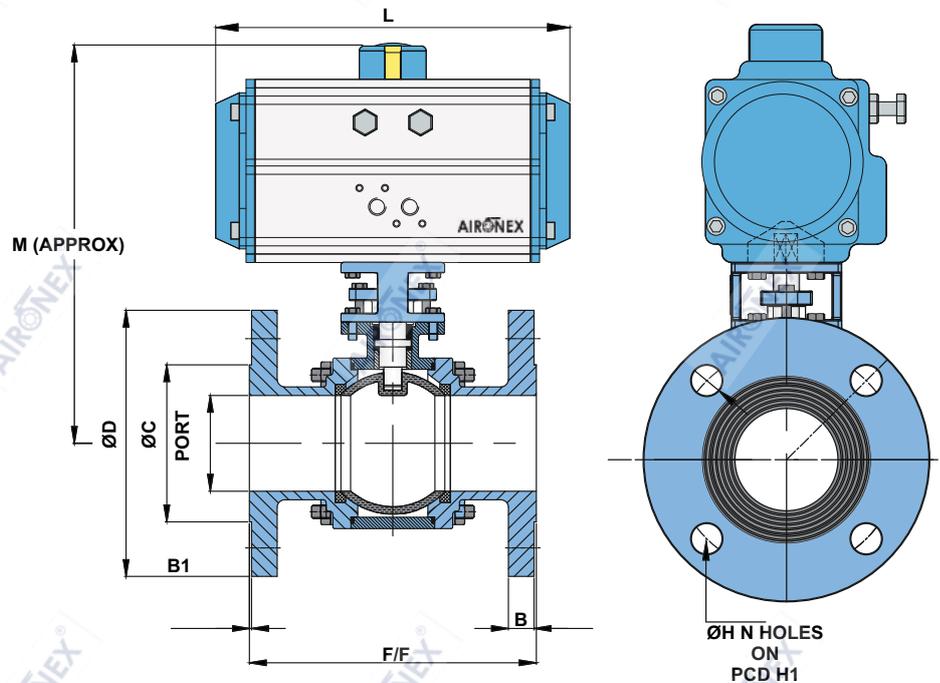
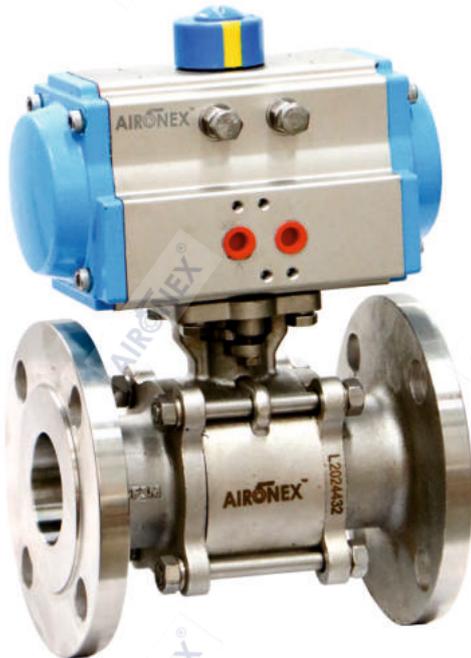
SIZE (IN.)	SIZE (MM)	ØA (MIN)	F/F	ØB	ØC	N	ØD	K	T	X	Y	APPROX WEIGHT
1/2"	15	13	108	34.9	90	4	15.9	60.3	8.1	128	60	1.3
3/4"	20	19	117	42.9	100	4	15.9	69.9	9	165	66	1.9
1"	25	25	127	50.8	110	4	15.9	79.4	9.6	175	78	2.7
1.1/4"	32	32	140	63.5	115	4	15.9	89	11.25	175	91	3.3
1.1/2"	40	38	165	73	125	4	15.9	98.4	12.7	205	95	4.2
2"	50	49	178	92.1	150	4	19.1	120.7	14.5	230	108	6.5
2.1/2"	65	62	191	104.8	180	4	19.1	139.7	15.9	258	128	9.9
3"	80	74	203	127	190	4	19.1	152.4	17.5	278	137	12.5
4"	100	100	229	157.2	230	8	19.1	190.5	22.3	350	177	21.2
5"	125	125	255	186	254	8	22.2	215.9	22.3	625	250	33.5
6"	150	150	267	215.9	280	8	22.2	241.3	24	625	263	44.3

All Dimension are in mm

All Weight are in Kg

TECHNICAL SPECIFICATION			TECHNICAL DATA	
NO.	DESCRIPTION	MATERIAL	APPLICABLE STANDARD	
1	BODY	WCB / CF8 / CF8M / CF3 / CF3M	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
2	BALL (HOLLOW / SOLID)	CF8 / CF8M / CF3 / CF3M	TESTING & INSPECTION	API 598 / BS 6755
3	SEAT RING	PTFE / GFT / CFT	FACE TO FACE	ASME B16.10
4	BODY SEAL	PTFE / GFT / CFT / GRAY FOIL	END CONNECTION	ASME B16.5
5	STEM SEAL	PTFE / GFT / CFT / GRAY FOIL		
6	GLAND SEAL	PTFE / GFT / CFT / GRAY FOIL		

CLASS 150			ACTUATOR	
TEST TYPE	Kg/cm ²	PSIG	TYPE	RACK AND PINION
HYDRO BODY	32	464	ACTUATION	DOUBLE ACTING / SINGLE ACTING
HYDRO SEAT	22	320	MOUNTING STD.	ISO 5211 AN INTERNATIONAL STANDARD
AIR / PNEUMATIC	7	105	PNEUMATIC CONNECTIONS	NAMUR STANDARD



DIMENSIONS

SIZE (IN.)	SIZE (MM)	B	B1	C	D	PORT	H	H1	N	F/F	L	M	Approx Weight
1/2"	15	10.5	1.5	35	89	12.5	15.5	60	4	108	110	160	2.250
3/4"	20	10.5	1.5	43	98.5	18	16	70	4	117	110	160	2.900
1"	25	12	1.5	51	108	25	16	79.5	4	127	122	180	4.050
1.1/2"	40	14	1.5	73	127	37	16	98.5	4	165	168	190	5.900
2"	50	16	1.5	92	152	50	19	120	4	178	186	210	9.200
2.1/2"	65	17.5	1.5	105	178	64	19	140	4	190.5	212	242	13.850
3"	80	21	1.5	127	190.5	75	19	152	4	203	262	260	21.450
4"	100	23.5	1.5	157	228.5	98	19	190	8	228	268	310	27.900

All Dimension are in mm

All Weight are in Kg

2 PIECE FLANGED END BALL VALVE 150#



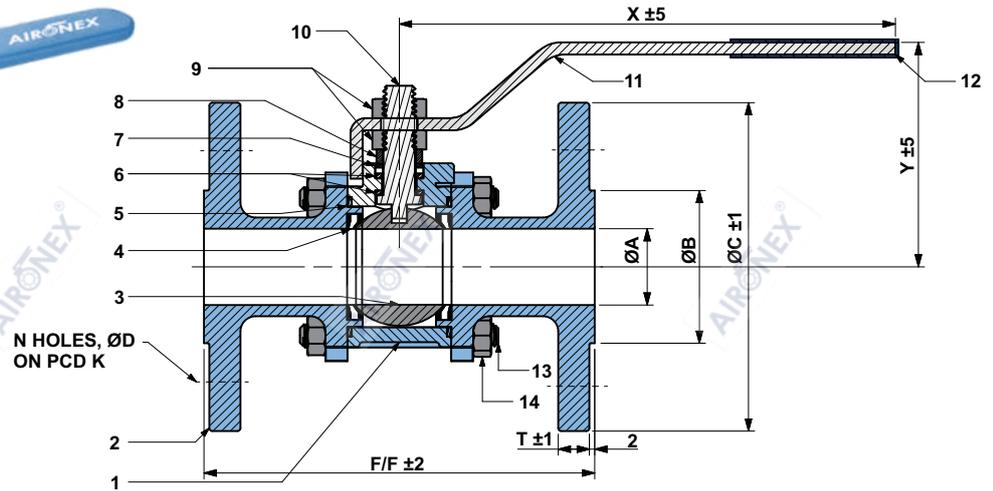
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	8	GLAND	SS 304 / SS 316 / SS 304L / SS316L
2	TAIL PIECE	CF8 / CF8M / WCB / CF3 / CF3M	9	GLAND & HANDLE NUT	SS 202 / SS 304 / SS 316 / B7
3	BALL (HOLLOW / SOLID)	CF8 / CF8M / CF3 / CF3M	10	STEM	SS 304 / SS 316 / SS 304L / SS 316L
4	SEAT RING	PTFE / GFT / CFT	11	HANDLE	SS 202 / SS 304L / 316 / MS
5	BODY SEAL	PTFE / GFT / CFT / GRAY FOIL	12	SLEEVE	PVC
6	STEM SEAL	PTFE / GFT / CFT / GRAY FOIL	13	BOLT	SS 202 / SS 304 / 316 / B7
7	GLAND SEAL	PTFE / GFT / CFT / GRAY FOIL			

CLASS 150

TECHNICAL DATA

TEST TYPE	Kg/cm ²	PSIG	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
HYDRO BODY	32	464	TESTING & INSPECTION	API 598 / BS 6755
HYDRO SEAT	22	320	FACE TO FACE	ASME B16.10
AIR / PNEUMATIC	7	105	END CONNECTION	ASNE B16.5



DIMENSIONS

SIZE (IN.)	SIZE (MM)	ØA (MIN)	F/F	ØB	ØC	N	ØD	K	T	X	Y	APPROX WEIGHT
1/2"	15	13	108	34.9	90	4	15.9	60.3	8.1	128	60	1.2
3/4"	20	19	117	42.9	100	4	15.9	69.9	9	165	66	1.8
1"	25	25	127	50.8	110	4	15.9	79.4	9.6	175	78	2.6
1.1/4"	32	32	140	63.5	115	4	15.9	89	11.25	175	91	3
1.1/2"	40	38	165	73	125	4	15.9	98.4	12.7	205	95	4.1
2"	50	49	178	92.1	150	4	19.1	120.7	14.5	230	108	6.3
2.1/2"	65	62	191	104.8	180	4	19.1	139.7	15.9	258	128	9.3
3"	80	74	203	127	190	4	19.1	152.4	17.5	278	137	12
4"	100	100	229	157.2	230	8	19.1	190.5	22.3	350	177	20.3
5"	125	125	255	186	254	8	22.2	215.9	22.3	625	250	31.6
6"	150	150	267	215.9	280	8	22.2	241.3	24	625	263	42.5

All Dimension are in mm

All Weight are in Kg

2 PIECE & 3 PIECE 300# FLANGED END BALL VALVE



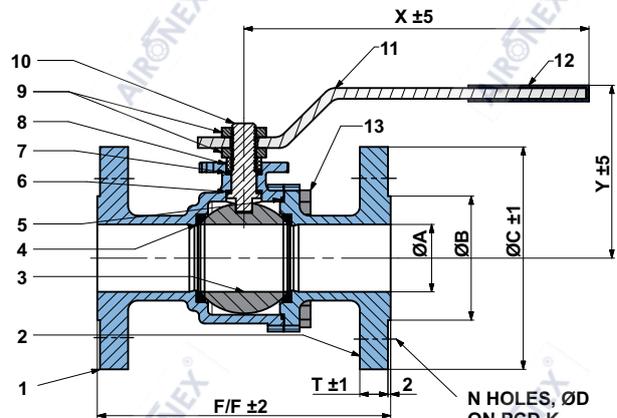
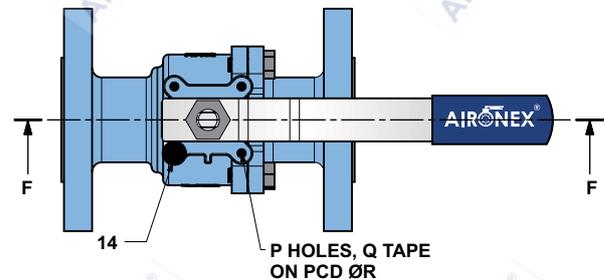
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	8	GLAND	SS 304 / SS 316 / SS 304L / SS316L
2	TAIL PIECE	CF8 / CF8M / WCB / CF3 / CF3M	9	GLAND & HANDLE NUT	SS 202 / SS 304 / SS 316 / B7
3	SOLID BALL	CF8 / CF8M / CF3 / CF3M	10	STEM	SS 304 / SS 316 / SS 304L / SS 316L
4	SEAT RING	PTFE / GFT / CFT	11	HANDLE	SS 202 / SS 304L / 316 / MS
5	BODY SEAL	PTFE / GFT / CFT / GRAY FOIL	12	SLEEVE	PVC
6	STEM SEAL	PTFE / GFT / CFT / GRAY FOIL	13	BOLT	SS 202 / SS 304 / 316 / B7
7	GLAND SEAL	PTFE / GFT / CFT / GRAY FOIL	14	STOPPING PIN	SS 202 / SS 304 / 316 / B7

CLASS 150

TECHNICAL DATA

TEST TYPE	Kg/cm ²	PSIG	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
HYDRO BODY	32	464	TESTING & INSPECTION	API 598 / BS 6755
HYDRO SEAT	22	320	FACE TO FACE	ASME B16.10
AIR / PNEUMATIC	7	105	END CONNECTION	ASNE B16.5



DIMENSIONS

SIZE (IN.)	SIZE (MM)	ØA (MIN)	F/F	ØB	ØC	N	ØD	K	T	X	Y	P	Q	ØR	ISO 5211	APPROX WEIGHT
1/2"	15	12.7	140	35.1	95.5	4	16	67	13	150	65	4	M5	36	F03	1.3
3/4"	20	19	152	42.9	115	4	19.1	82.6	14	190	75	4	M5	36	F03	1.9
1"	25	25	165	50.8	124	4	19.4	88.9	15.5	200	85	4	M5	42	F04	2.7
1.1/4"	32	32	178	63.5	135	4	19.1	98.4	17.5	200	100	4	M5	42	F04	3.2
1.1/2"	40	38	190	73	155	4	22.4	114.3	19.1	235	105	4	M8	70	F07	4.3
2"	50	50	216	92	165	8	19.1	127	20.7	270	115	4	M8	70	F07	6.5
2.1/2"	65	64	241	104.6	190	8	22.2	149.2	23.9	285	135	4	M8	70	F07	9.6
3"	80	76	282	127	210	8	22.2	168.3	27	305	150	4	M8	70	F07	12.4
4"	100	100	305	157.2	255	8	22.2	200	30.2	390	185	4	M10	102	F10	20.7

All Dimension are in mm

All Weight are in Kg

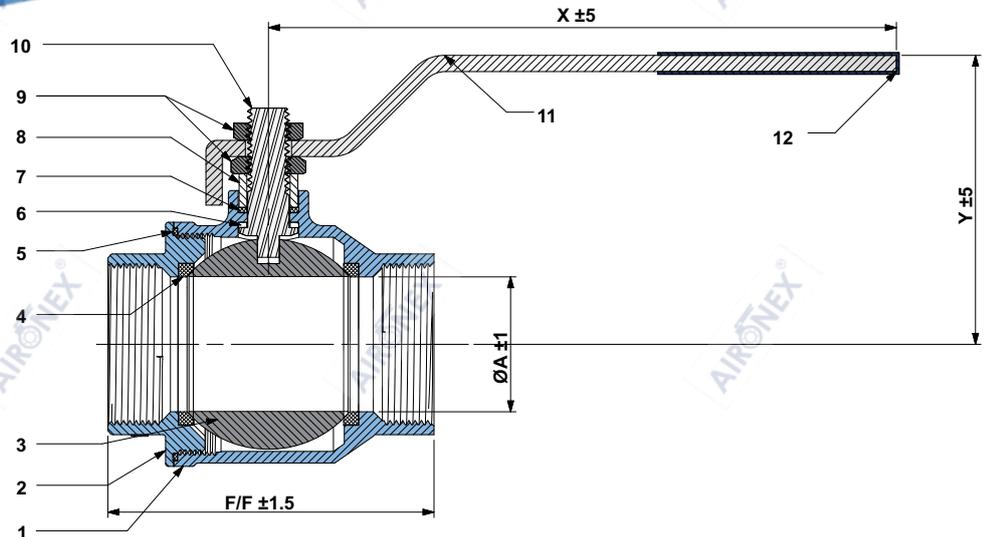
1 PIECE SCREWED END BALL VALVE

TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	8	STEM SEAL	PTFE / GFT / CFT / GRAYFOIL
2	CONNECTOR	CF8 / CF8M / WCB / CF3 / CF3M	9	GLAND SEAL	PTFE / GFT / CFT / GRAYFOIL
3	BALL (HOLLOW / SOLID)	CF8 / CF8M / CF3 / CF3M	10	STUD & NUT	SS 202 / SS 304L / 316 / B7
4	STEM	SS 304 / SS 316 / SS 304L / SS 316L	11	GLAND & HANDLE NUT	SS 202 / SS 304L / 316 / B7
5	GLAND	PTFE / GFT / CFT / GRAYFOIL	12	HANDLE	SS 202 / SS 304L / 316 / MS
6	SEAT RING	PTFE / GFT / CFT	13	SLEEVE	PVC
7	BODY SEAL	PTFE / GFT / CFT / GRAYFOIL			

TEST PRESSURE HYDRAULIC

BODY SHELL TEST -150#	32 KG/CM2	BODY SEAT TEST - 150#	22 KG/CM2	PNEUMATIC TEST -	7 KG/CM2
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DIMENSIONS

SIZE (IN.)	SIZE (MM)	ØA	THREAD	F/F	X	Y	APPROX WEIGHT
1/4"	8	8.5	1/4" (BSP/NPT)	56.5	100	45	0.238
3/8"	10	10	3/8" (BSP/NPT)	56.5	100	45	0.221
1/2"	15	12.5	1/2" (BSP / NPT)	62	110	49	0.305
3/4"	20	19	3/4" (BSP / NPT)	73.5	130	55	0.445
1"	25	25	1" (BSP / NPT)	82.5	130	64	0.648
1.1/4"	32	32	1-1/4" (BSP/NPT)	95	160	85	1.1
1.1/2"	40	38	1.1/2" (BSP / NPT)	105.5	205	93.5	1.5
2"	50	50	2" (BSP / NPT)	120.5	205	103	2.2
2.1/2"	65	62	2-1/2" (BSP/NPT)	140.5	265	118	-
3"	80	74	3" (BSP/NPT)	158.5	275	134	-
4"	100	100	4" (BSP/NPT)	178.5	305	153	-

All Dimension are in mm

All Weight are in Kg

3 WAY FLANGED END BALL VALVE (L Port / T Port)

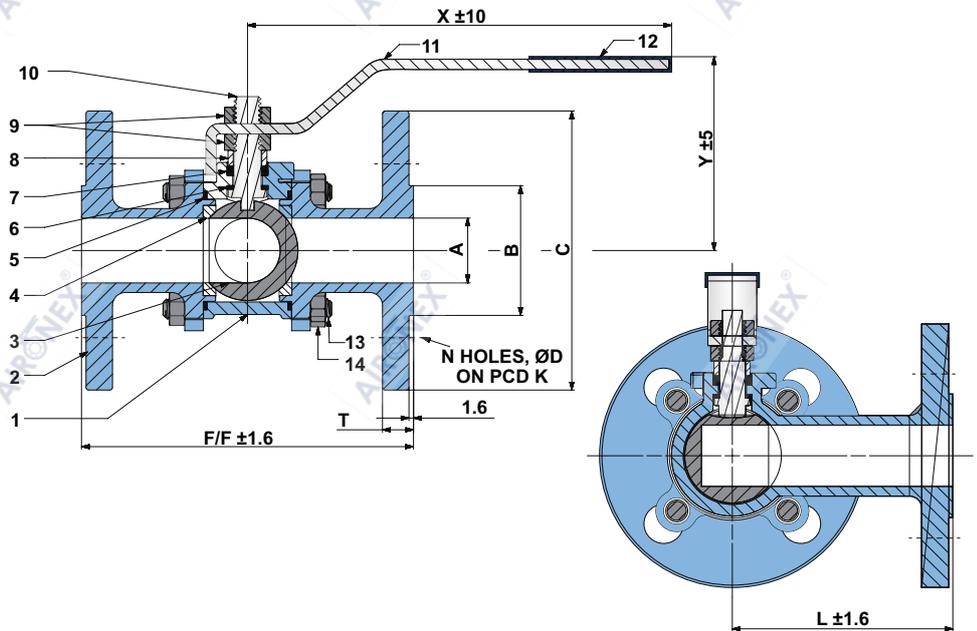
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	8	GLAND	SS 304 / SS 316 / SS 304L / SS316L
2	TAIL PIECE	CF8 / CF8M / WCB / CF3 / CF3M	9	GLAND & HANDLE NUT	SS 202 / SS 304 / SS 316 / B7
3	BALL	CF8 / CF8M / CF3 / CF3M	10	STEM	SS 304 / SS 316 / SS 304L / SS 316L
4	SEAT RING	PTFE / GFT / CFT	11	HANDLE	SS 202 / SS 304L / 316 / MS
5	BODY SEAL	PTFE / GFT / CFT / GRAY FOIL	12	SLEEVE	PVC
6	STEM SEAL	PTFE / GFT / CFT / GRAY FOIL	13	BOLT	SS 202 / SS 304 / 316 / B7
7	GLAND SEAL	PTFE / GFT / CFT / GRAY FOIL	14	STUD NUT	SS 202 / SS 304 / 316 / B7

CLASS 150

TECHNICAL DATA

TEST TYPE	Kg/cm ²	PSIG	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
HYDRO BODY	32	464	TESTING & INSPECTION	API 598 / BS 6755
HYDRO SEAT	22	320	FACE TO FACE	MANUFACTURER
AIR / PNEUMATIC	7	105	END CONNECTION	ASNE B16.5



DIMENSIONS

SIZE (IN.)	SIZE (MM)	ØA	F/F	L	ØB	ØC	N	ØD	K	T	X	Y	APPROX WEIGHT
1/2"	15	13	108	73	35	88.9	4	16	60.3	11.11	120	60	2
3/4"	20	19	127	85	42.9	98.4	4	16	69.9	11.11	140	75	3
1"	25	25	155	90	50.8	108	4	16	79.4	12.7	202	84	4.5
1.1/4"	32	32	155	95	63.5	117.5	4	16	88.9	14.28	202	88	5
1.1/2"	40	38	165	100	73	127	4	16	98.4	15.87	232	90	7
2"	50	49	229	127	92.1	152.4	4	19	120.7	17.64	233	110	11
2.1/2"	65	62	240	140	104.8	177.8	4	19	139.7	19.05	300	165	16
3"	80	74	267	150	127	190.5	4	19	152.4	22.22	300	190	20
4"	100	100	317	178	157.2	228.6	8	19	190.5	22.22	386	210	33
5"	125	125	343	195	185.7	254	8	22	215.9	22.22	430	220	53
6"	150	150	399	205	215.9	279.4	8	22	241.3	23.81	470	220	70

All Dimension are in mm

All Weight are in Kg

PNEUMATIC ACTUATOR OPERATED 3&4 WAY BALL VALVE



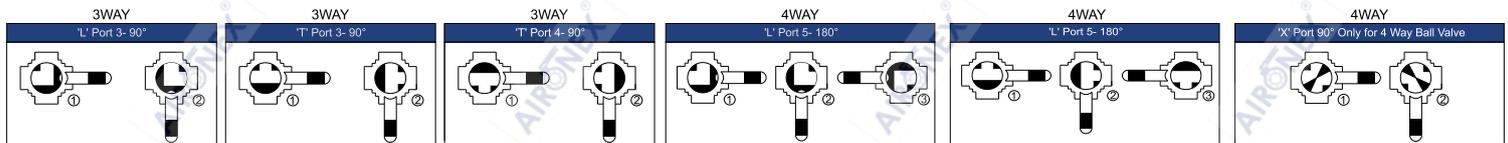
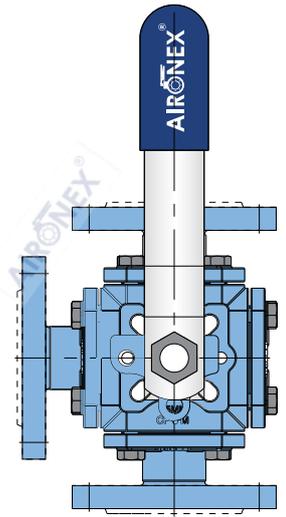
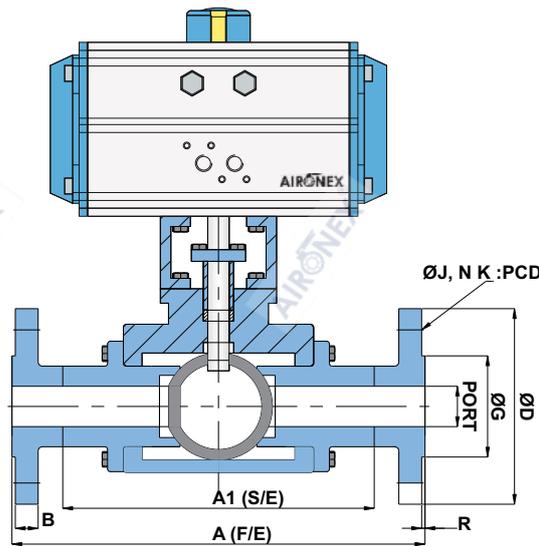
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL
1	BODY	ASTM A351 Gr. CF8M / ASTM A216 Gr. WCB / C.I.
2	BALL	ASTM A351 Gr. CF8 / CF8M
3	STEM	STAINLESS STEEL AISI 304 / AISI 316
4	GLAND	STAINLESS STEEL AISI 304 / AISI 316
5	SEAL PACKING	PTFE
6	END CONNECTION	SCREWED TO - BSP

ACTUATOR		TECHNICAL DATA	
TYPE	RACK AND PINION	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
ACTUATION	DOUBLE ACTING / SINGLE ACTING	TESTING & INSPECTION	API 598 / BS 6755
MOUNTING STD.	ISO 5211 AN INTERNATIONAL STANDARD	FACE TO FACE	ASME B16.10
PNEUMATIC CONNECTIONS	NAMUR STANDARD	END CONNECTION	ASNE B16.5

TEST PRESSURE HYDRAULIC

TEST TYPE	Kg/CM2	PSIG	HYDRO SEAT	22	320
HYDRO BODY	32	464	PNEUMATIC	7	105



DIMENSIONS

SIZE (IN.)	SIZE (MM)	A	A1	B	R	PORT	ØG	ØD	ØJ	N	K-PCD
1/2"	15	151	104	8	2	13	34.9	90	15.9	4	60.3
3/4"	20	165	112	8.9	2	19	42.9	100	15.9	4	69.9
1"	25	192	130	9.6	2	25	50.8	110	15.9	4	79.4
1.1/4"	32	211	141	11.2	2	32	63.5	115	15.9	4	88.9
1.1/2"	40	218	161	12.7	2	38	73	125	15.9	4	98.4
2"	50	253	192	14.3	2	49	92.1	150	19.05	4	120.7
2.1/2"	65	295	297	15.9	2	62	104.8	180	19.05	4	139.7
3"	80	296	320	17.5	2	74	127	190	19.05	4	152.4
4"	100	371	368	22.3	2	100	157	230	19.05	4	190.5

All Dimension are in mm

2 PIECE EXTENDED SHAFT BALL VALVE



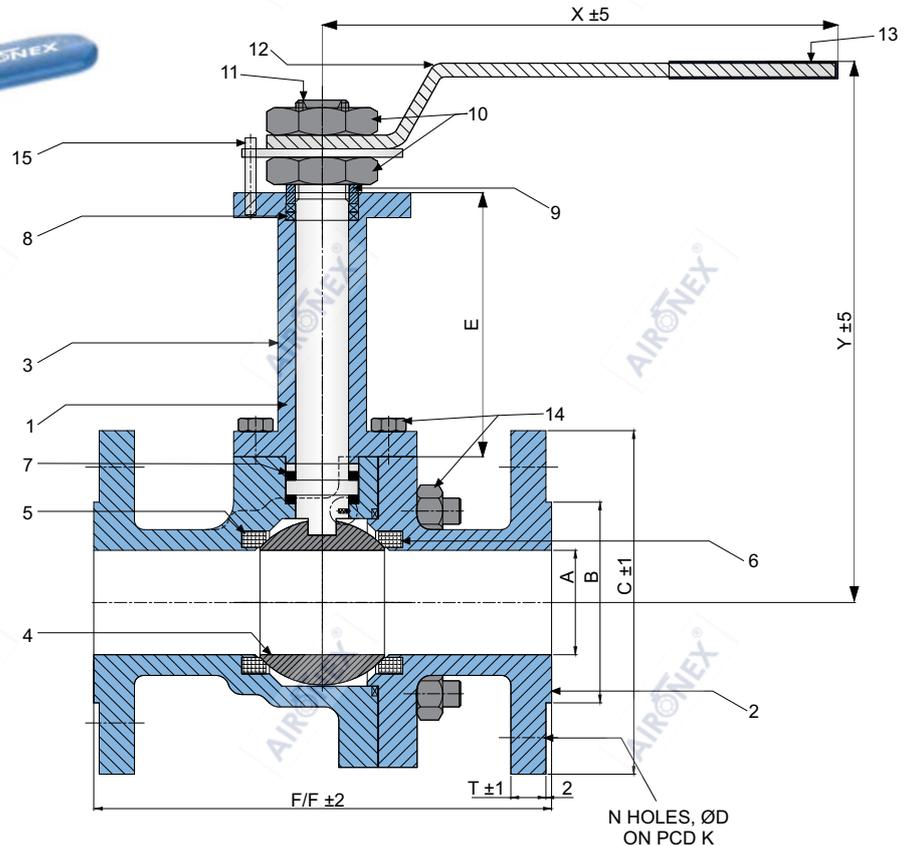
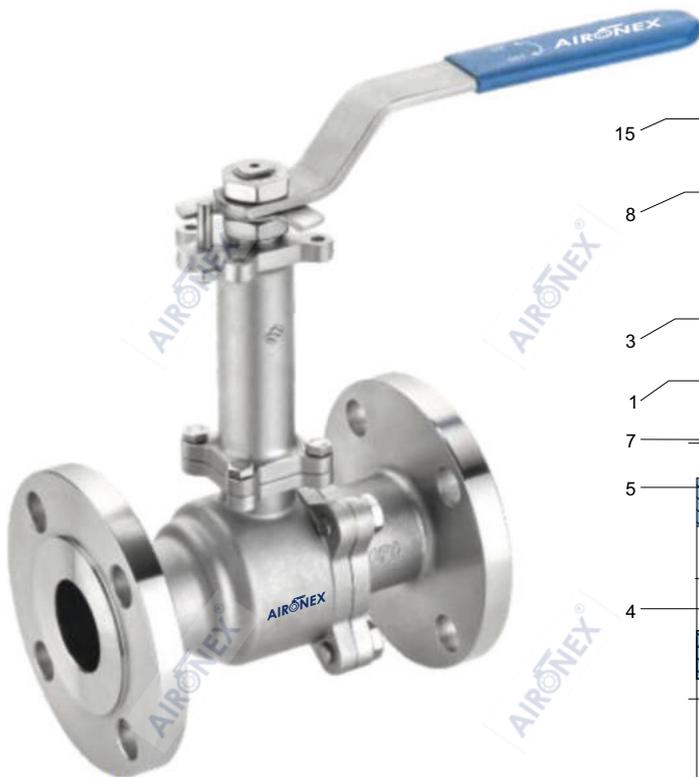
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	9	GLAND	SS 304 / SS 316 / SS 304L / SS316L
2	TAIL PIECE	CF8 / CF8M / WCB / CF3 / CF3M	10	GLAND & HANDLE NUT	SS 202 / SS 304 / SS 316 / B7
3	EXTENDED BONNET	CF8 / CF8M / WCB / CF3 / CF3M	11	STEM	SS 304 / SS 316 / SS 304L / SS 316L
4	BALL(HOLLOW / SOLID)	CF8 / CF8M / CF3 / CF3M	12	HANDLE	SS 202 / SS 304L / 316 / MS
5	SEAT RING	PTFE / GFT / CFT	13	SLEEVE	PVC
6	BODY SEAL	PTFE / GFT / CFT / GRAYFOIL	14	BOLT	SS 202 / SS 304 / SS 316 / B7
7	STEM SEAL	PTFE / GFT / CFT / GRAYFOIL	15	STOPPING PIN & NUT	SS 202 / SS 304 / SS 316 / B7
8	GLAND PACKING	PTFE / GFT / CFT / GRAYFOIL			

CLASS 150

TECHNICAL DATA

TEST TYPE	Kg/cm ²	PSIG	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
HYDRO BODY	32	464	TESTING & INSPECTION	API 598 / BS 6755
HYDRO SEAT	22	320	FACE TO FACE	MANUFACTURER
AIR / PNEUMATIC	7	105	END CONNECTION	ASNE B16.5



DIMENSIONS

SIZE (MM)	ØA (MIN)	F/F	ØB	ØC	N	ØD	K	T	X	E	Y			P	Q	R	ISO 5211		
											E= 100	E= 150	E= 250						
25	25	127	50.8	110	4	15.9	79.4	9.6	175	100	150	-	178	228	-	4	M5	Ø42	F04
40	38	165	73	125	4	15.9	98.4	12.7	205	100	150	250	195	245	345	4	M5	Ø50	F05
50	49	178	92.1	150	4	19.1	120.7	14.5	230	100	150	250	208	257	357	4	M8	Ø70	F07
65	62	191	104.8	180	4	19.1	139.7	15.9	258	100	150	250	228	278	378	4	M8	Ø70	F07
80	74	203	127	190	4	19.1	152.4	17.5	278	100	150	250	237	287	387	4	M8	Ø70	F07

All Dimension are in mm

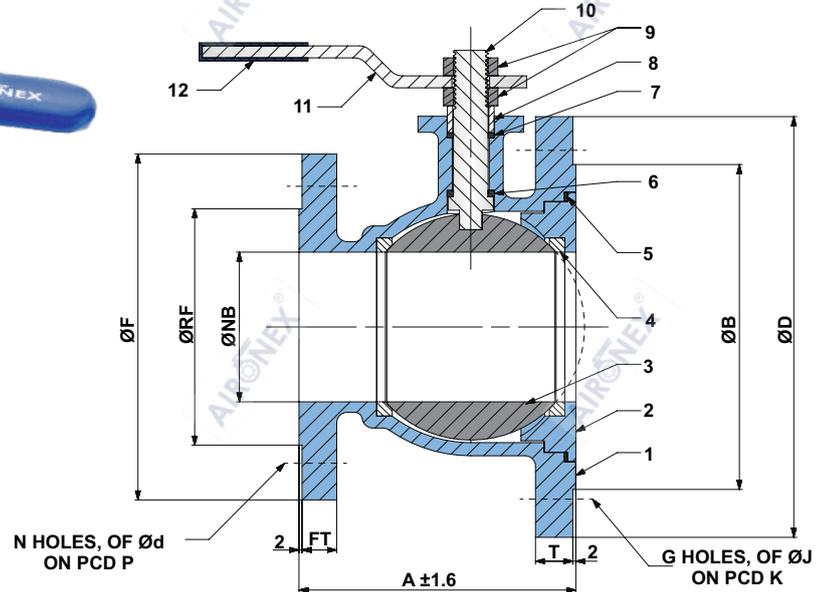
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	7	GLAND	SS 304 / SS 316 / SS 304L / SS316L
2	INSERT	CF8 / CF8M / WCB / CF3 / CF3M	8	GLAND & HANDLE NUT	SS 202 / SS 304 / SS 316 / B7
3	BALL	CF8 / CF8M / CF3 / CF3M	9	STEM	SS 304 / SS 316 / SS 304L / SS 316L
4	SEAT RING	PTFE / GFT / CFT	10	HANDLE	SS 202 / SS 304L / 316 / MS
5	BODY SEAL	PTFE / GFT / CFT	11	SLEEVE	PVC
6	STEM SEAL	PTFE / GFT / CFT			

CLASS 150

TECHNICAL DATA

TEST TYPE	Kg/cm ²	PSIG	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
HYDRO BODY	32	464	TESTING & INSPECTION	API 598 / BS 6755
HYDRO SEAT	22	320	FACE TO FACE	MANUFACTURER
AIR / PNEUMATIC	7	105	END CONNECTION	ASNE B16.5



DIMENSIONS

ØNB	A	ØF	FT	ØRF	P	Ød	N	ØD	T	ØB	K	ØJ	G
25	100	110	9.6	51	79.4	16	4	127	12.7	73	98.5	16	4
25	100	127	12.7	73	98.5	16	4	127	12.7	73	98.5	16	4
38	105	127	12.7	73	98.5	16	4	152.4	14	92	120	19	4
38	105	152.4	14	92	120	19	4	152.4	14	92	120	19	4
50	120	152.4	14	92	120	19	4	190.5	16	127	152	19	4
64	122	180	16	105	140	19	4	190.5	17.5	127	152	19	4
64	122	190.5	17.5	127	152	19	4	190.5	17.5	127	152	19	4
75	140	190.5	17.5	127	152	19	4	230	22	157	190.5	19	8
75	140	230	22	157	190.5	19	8	230	22	157	190.5	19	8
100	180	230	22	157	190.5	19	8	279	23	216	241.3	22	8
100	180	279	23	216	241.3	22	8	279	23	216	241.3	22	8
150	260	279	23	216	241.3	22	8	345	25	269.9	298.5	22	8
150	260	345	25	269.9	298.5	22	8	345	25	269.9	298.5	22	8

All Dimension are in mm

SINGLE PIECE FLANGED BALL VALVE

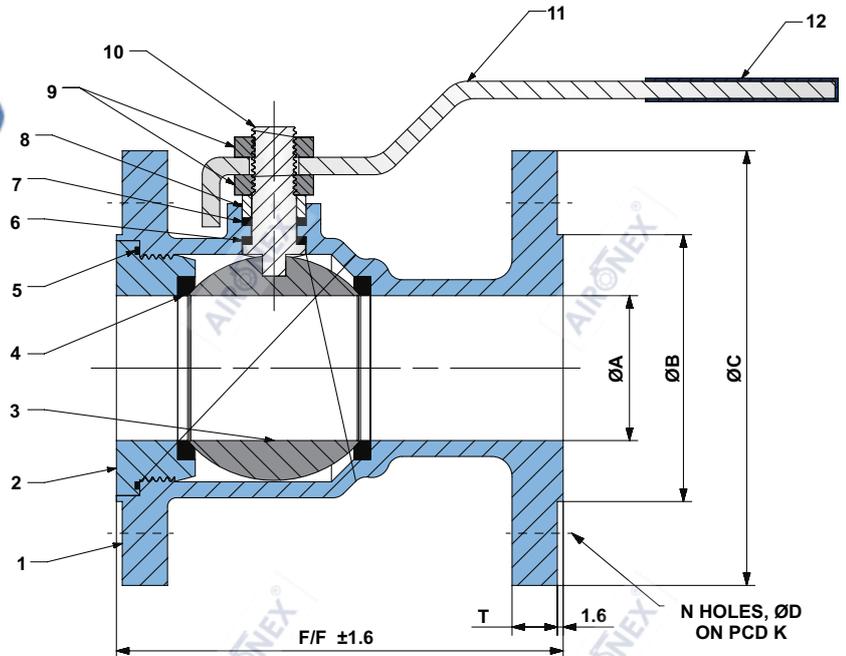
TECHNICAL SPECIFICATION

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	CF8 / CF8M / WCB / CF3 / CF3M	7	GLAND	SS 304 / SS 316 / SS 304L / SS316L
2	INSERT	CF8 / CF8M / WCB / CF3 / CF3M	8	GLAND & HANDLE NUT	SS 202 / SS 304 / SS 316 / B7
3	BALL	CF8 / CF8M / CF3 / CF3M	9	STEM	SS 304 / SS 316 / SS 304L / SS 316L
4	SEAT RING	PTFE / GFT / CFT	10	HANDLE	SS 202 / SS 304L / 316 / MS
5	BODY SEAL	PTFE / GFT / CFT	11	SLEEVE	PVC
6	STEM SEAL	PTFE / GFT / CFT			

CLASS 150

TECHNICAL DATA

TEST TYPE	Kg/cm ²	PSIG	DESIGN & MFG STD	BS 5351 / ASME B16.34 / ISO 17292
HYDRO BODY	32	464	TESTING & INSPECTION	API 598 / BS 6755
HYDRO SEAT	22	320	FACE TO FACE	MANUFACTURER
AIR / PNEUMATIC	7	105	END CONNECTION	ASNE B16.5



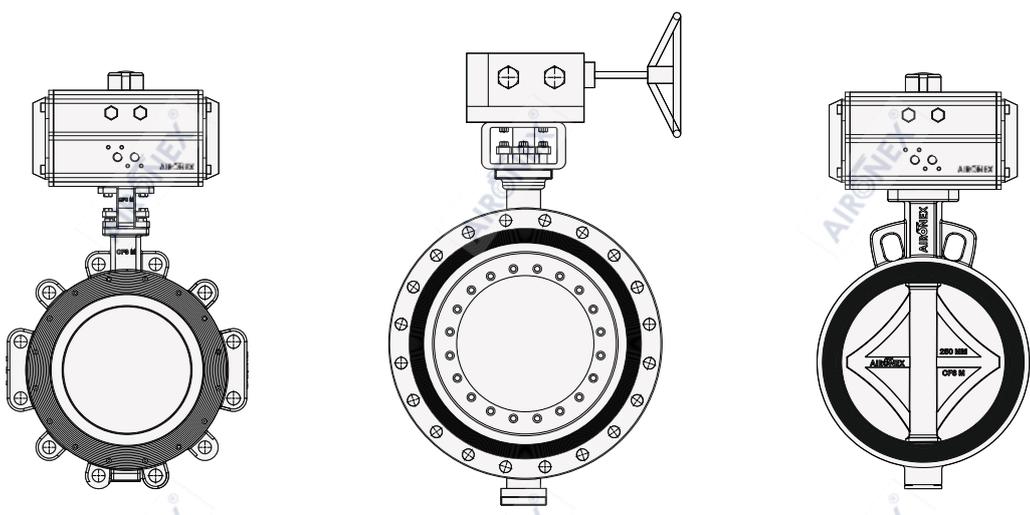
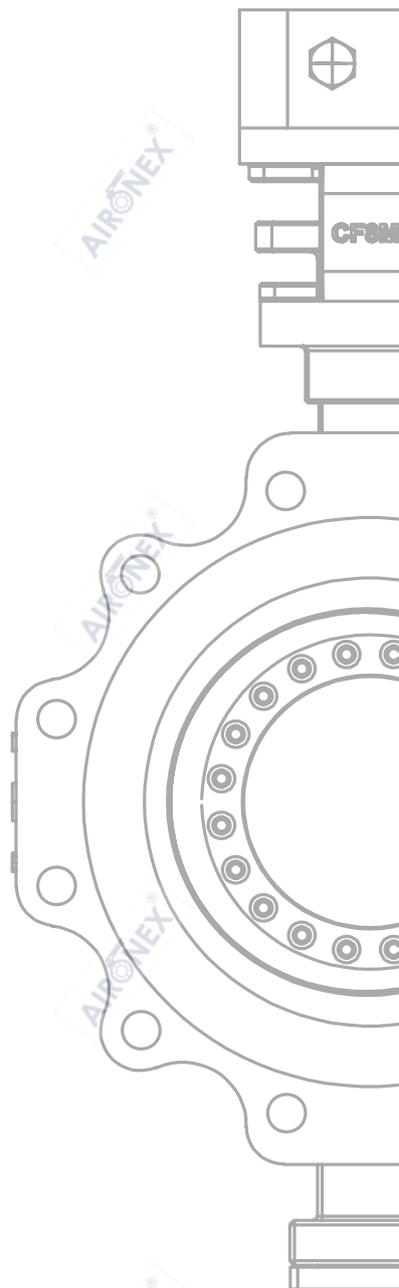
DIMENSIONS

SIZE (IN.)	SIZE (MM)	ØA (MIN)	F/F	ØB	ØC	N	ØD	K	T	APPROX WEIGHT
1"	25	25	127	51	108	4	16	79.2	9.6	2.7
1.1/2"	40	38	165	73	127	4	16	98.5	12.7	4.5
2"	50	49	178	92	152.4	4	19	120.6	14.5	7
2.1/2"	65	62	190	105	178	4	19	139.7	15.9	11
3"	80	74	203	127	190.5	4	19	152.4	17.5	14.5
4"	100	100	229	157	228.6	8	19	190.5	22.3	25

All Dimension are in mm

All Weight are in Kg





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