

V-TEK™ Hygienic Butterfly Valves

V-TEK™ Butterfly Valves have proven functionality and reliability.

Designed in 1998, the V-TEK™ valve allows full interchangeability of most handles, actuators and parts available on the market. V-TEK™ valves are used extensively in all Hygienic Process Industries.

Full maintenance and assembly instructions are available on request

Special Features:-

- Superior Hygienic Design
- Easy to assemble/disassemble
- Low Torque - longer Seal Life
- For use up to 150 psi/10 bar
- 100% Tested & Inspected

General Characteristics:-

Diameters:

INCH: 1/2" – 3/4" – 1" – 1.5" – 2" – 2.5" – 3" – 4" – 6"
 25mm – 38mm – 51mm – 63.5mm – 76mm – 104mm
 DN25 – DN32 – DN40 – DN50 – DN65 – DN80 – DN100

Materials:

Flanges - Forged 316L Stainless Steel
 Disc - Forged 316L Stainless Steel Polished.
 Finish - All wetted surfaces are polished
 <0.5 Ra
 Seals - Food Grade EPDM, Silicone, Viton

Standards:

BS & 3A
 RJT - BS4825 Part 5
 IDF - BS4825 Part 4
 SMS - SMS 1148, 1147, 1146
 DIN - DIN 11851
 US3A - Clamp

Valve Ends:

Weld/Weld, Male/Male, Male/Female, Clamp/Ferrule

Torque for full Open/Close:

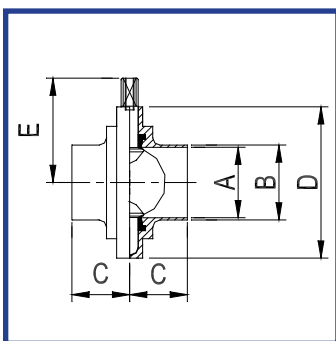
SIZE	1"	1 1/2"	2"	2 1/2"	3"	4"
MAX. TORQUE (NM)	10	10	13	15	20	30
MINI. TORQUE (KGF-M)	<1	<1	1.3	1.5	2	3.1

Each valve undergoes high and low pressure testing before leaving the factory.



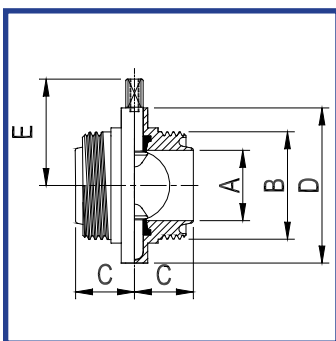
V-TEK™ HYGIENIC BUTTERFLY VALVE WELD, RJT MALE, FERRULE

V-TEK™ HYGIENIC PLAIN ENDED BUTTERFLY VALVE 316



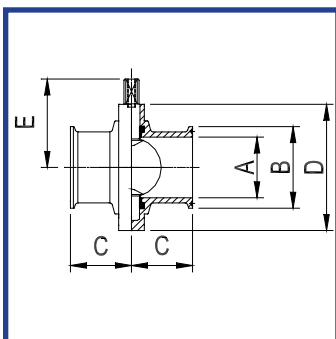
STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	1/2"	9.50	12.7	34.0	79.0	61.0
VTBV1	1"	22.2	25.4	34.0	79.0	61.0
VTBV112	1 1/2"	34.9	38.1	38.0	85.0	64.3
VTBV2	2"	47.6	50.8	40.0	105.0	74.3
VTVB212	2 1/2"	60.3	63.5	40.0	112.0	77.6
VTBV3	3"	73.0	76.2	41.0	125.0	84.7
VTBV4	4"	97.6	101.6	44.0	157.0	101.6
N/A	6"	146.8	152.4	57.0	214.0	138.9

V-TEK™ HYGIENIC RJT MALE/MALE BUTTERFLY VALVE 316

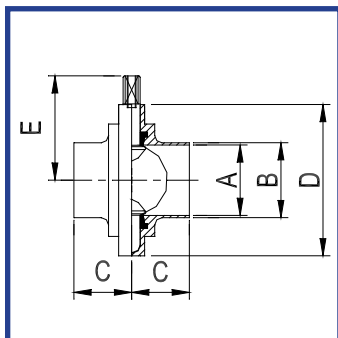


STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
VTB-VRM1	1"	22.2	45.72 x 8 Whit	34.0	79.0	61.0
VTB-VRM112	1 1/2"	34.9	58.42 x 8 Whit	38.0	85.0	64.3
VTB-VRM2	2"	47.6	72.72 x 6 Whit	40.0	105.0	74.3
VTB-VRM212	2 1/2"	60.3	85.42 x 6 Whit	40.0	112.0	77.6
VTB-VRM3	3"	73.0	98.12 x 6 Whit	41.0	125.0	84.7
VTB-VRM3	4"	97.6	123.52 x 6 Whit	50.0	157.0	101.6

V-TEK™ HYGIENIC BS CLAMP/CLAMP BUTTERFLY VALVE 316

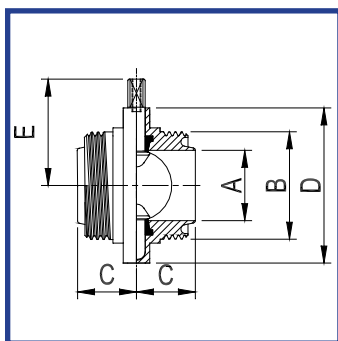


STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	1/2"	9.5	25.2	34.0	79.	61.0
N/A	1"	22.2	50.5	44.5	79.0	61.0
N/A	1 1/2"	34.9	50.5	44.5	85.0	64.3
N/A	2"	47.6	64.0	47.6	105.0	74.3
N/A	2 1/2"	60.3	77.5	48.4	112.0	77.6
N/A	3"	73.0	91.0	51.5	125.0	84.7
N/A	4"	97.6	119.0	51.5	157.0	101.6
N/A	6"	146.8	166.8	57.0	213.0	138.9



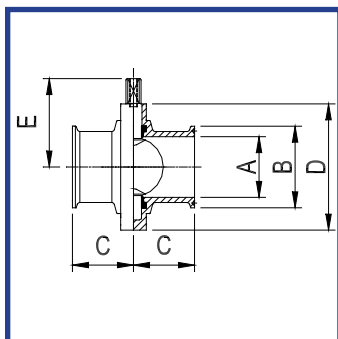
V-TEK™ HYGIENIC SMS PLAIN ENDED BUTTERFLY VALVE 316

STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	25	22.5	25.0	34.0	79.0	61.0
N/A	38	35.5	38.0	38.0	85.0	64.3
N/A	51	48.4	51.0	40.0	105.0	74.3
N/A	63.5	60.4	63.5	40.0	112.0	77.6
N/A	76	72.7	76.0	41.0	125.0	84.7
N/A	104	99.88	104.0	50.0	157.0	101.6



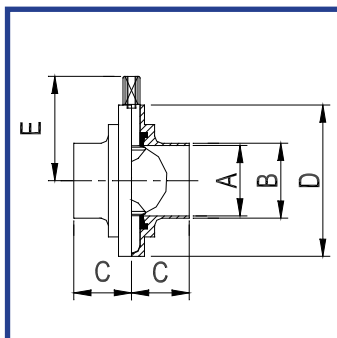
V-TEK™ HYGIENIC SMS MALE/MALE BUTTERFLY VALVE 316

STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	25	22.5	RD40 x 1/6	34.0	79.0	61.0
N/A	38	35.5	RD60 x 1/6	38.0	85.0	64.3
N/A	51	48.4	RD70 x 1/6	40.0	105.0	74.3
N/A	63.5	60.4	RD85 x 1/6	40.0	112.0	77.6
N/A	76	72.7	RD98 x 1/6	41.0	125.0	84.7
N/A	104	99.88	RD125 x 1/4	50.0	157.0	101.6



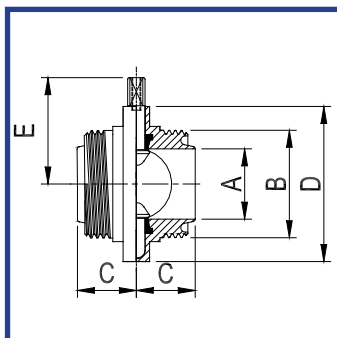
V-TEK™ HYGIENIC SMS CLAMP/CLAMP BUTTERFLY VALVE 316

STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	25	22.5	50.5	44.5	79.0	61.0
N/A	38	35.5	50.5	44.5	85.0	64.3
N/A	51	48.4	64.0	47.6	105.0	74.3
N/A	63.5	60.4	77.5	48.4	112.0	77.6
N/A	76	72.7	91.0	51.5	125.0	84.7
N/A	104	99.88	119.0	51.5	157.0	101.6



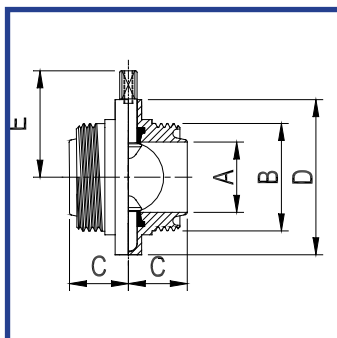
V-TEK™ HYGIENIC DIN PLAIN ENDED BUTTERFLY VALVE 316

STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	DN28	25.0	28.0	34.0	79.0	61.0
N/A	DN34	31.0	34.0	38.0	85.0	64.3
N/A	DN40	37.0	40.0	38.0	90.0	74.3
N/A	DN50	49.0	52.0	40.0	105.0	77.6
N/A	DN65	66.0	70.0	41.0	125.0	84.8
N/A	DN85	81.0	85.0	42.0	137.0	91.6
N/A	DN104	100	104	44.0	157.0	101.7



V-TEK™ HYGIENIC DIN MALE/MALE BUTTERFLY VALVE 316

STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	DN28	26.0	51.3 D52x1/6	34.0	79	61.0
N/A	DN34	32.0	57.3 D58x1/6	38.0	85	64.3
N/A	DN40	38.0	64.3 D65x1/6	38.0	90	74.3
N/A	DN50	50.0	77.3 D78x1/6	40.0	105	77.6
N/A	DN65	66.0	94.3 D95x1/6	41.0	125	84.8
N/A	DN85	81.0	109 D110x1/4	42.0	137	91.6
N/A	DN101.6	97.6	129 D130x1/4	50.0	157	101.7
N/A	DN104	100	129 D130x1/4	50.0	157	101.7

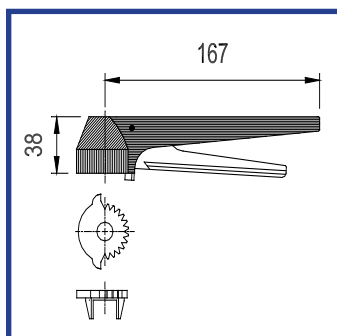


V-TEK™ HYGIENIC IDF MALE/MALE BUTTERFLY VALVE 316

STOCK CODE	SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
N/A	22.4	37.13X8T ACME	34.0	79.0	61	61.0
N/A	35.1	50.65X8T ACME	38.0	85.0	64.3	64.3
N/A	47.8	64.16X8T ACME	40.0	105.0	74.3	74.3
N/A	60.5	77.76X8T ACME	40.0	112.0	77.6	77.6
N/A	72.0	91.19X8T ACME	41.0	125.0	84.8	84.7
N/A	97.6	125.9X6T ACME	44.0	157.0	101.7	101.6

V-TEK™ Handles - Four different styles of handle are available for manual actuation of Butterfly Valves:

TYPE - VG12 - PVC

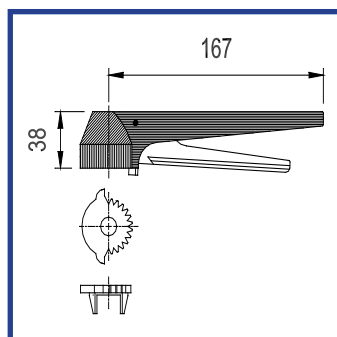


V-TEK™ BUTTERFLY VALVE

- PVC LEVER HANDLE & NOTCH PLATE

- MULTI-POSITION HANDLE (12 Position).
- NYLON 6+GLASS FIBRE REINFORCED
- LOCKABLE HANDLE AVAILABLE.
- GRIPPER BAR IS SPRING LOADED TO LOCK SECURELY IN NOTCH PLATE TEETH.

TYPE - VG12 - ST/ST

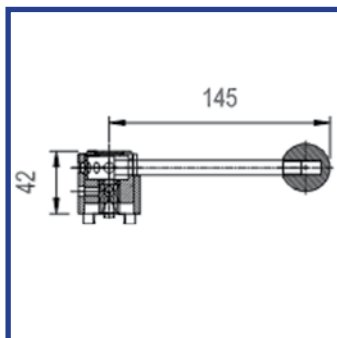


V-TEK™ BUTTERFLY VALVE

- LEVER HANDLE & NOTCH PLATE IN STAINLESS STEEL

- SS304 HANDLE (12 Position).
- STAINLESS STEEL GRIPPER
- LOCKABLE HANDLE AVAILABLE.
- GRIPPER BAR IS SPRING LOADED TO LOCK SECURELY IN NOTCH PLATE TEETH.

TYPE - VG12 - PVC

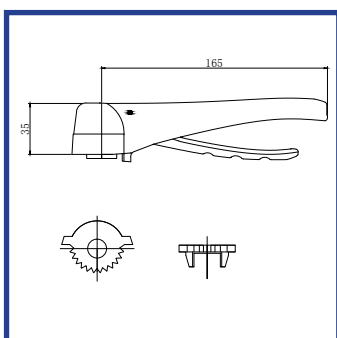


V-TEK™ BUTTERFLY VALVE

-VP4 STAINLESS STEEL PULL HANDLE 304

- SS304 HANDLE WITH PHENOLIC BALL END
- MACHINED AND POLISHED FOR SANITARY USE
- 4 LOCKING POSITIONS.
- HANDLE SHAFT IS SPRING LOADED TO LOCK SECURELY IN PLACE.

TYPE - SUREGRIP VG12



V-TEK™ BUTTERFLY VALVE

-SUREGRIP VG12 & NOTCH PLATE

- MULTI-POSITION HANDLE (12 Position).
- NYLON 6+GLASS FIBRE REINFORCED
- LOCKABLE HANDLE AVAILABLE.
- GRIPPER BAR IS SPRING LOADED TO LOCK SECURELY IN NOTCH PLATE TEETH.

**V-TEK™ BUTTERFLY VALVE STAINLESS STEEL (SS304)
PNEUMATIC ACTUATOR (AIR/SPRING)
TYPE - VT 1**

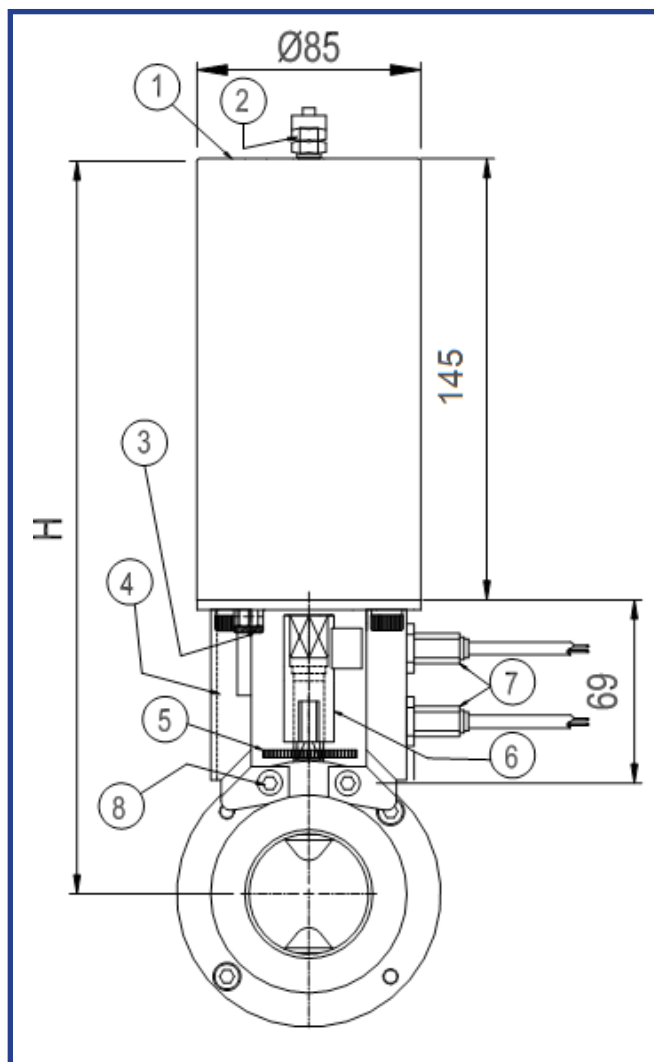
**FOR USE ON 1" - 3" (25MM - 76MM)
BUTTERFLY VALVES**

ITEM	DESCRIPTION	QUANTITY
1	Actuation Cylinder	1
2	Air Supply Inlet	1
3	Air Outlet Filter/Silencer	1
4	Valve Mounting Bracket.	1
5	Red Plastic Position Indicator.	1
6	Valve Drive Adaptor.	1
7	Proximity Switches. (Optional) IF5721 (PLASTIC TYPE) IF5778 (S/S TYPE)	2
8	Mounting Screws.	2

- Shut-off Time = 1.5 Seconds.
- Weight = 3.85Kg.
- Torque = 16 Nm @ 5Bar.
- Consumption = 0.266 Litres @5 Bar

STOCK CODE	SIZE	H (MM)
VTA	1" (25mm)	249
N/A	1 ½" (38mm)	252
N/A	2" (51mm)	262
N/A	2 ½" (63.5mm)	266
N/A	3" (76mm)	272

- Material:- SS304 body & fitting.
- 2 Positions - Valve fully open & Valve fully closed
- Mounting bracket accommodates inductive proximity switches .
- May be converted to double acting air/air operation
- Accessories: Adaptor X 1, M6 X 35 screw X 2, washer X 4, M6 Nut X 2, 1/8PT Quick coupler X 1



**V-TEK™ BUTTERFLY VALVE STAINLESS STEEL (SS304)
PNEUMATIC ACTUATOR (AIR/SPRING)
TYPE - VT 101**

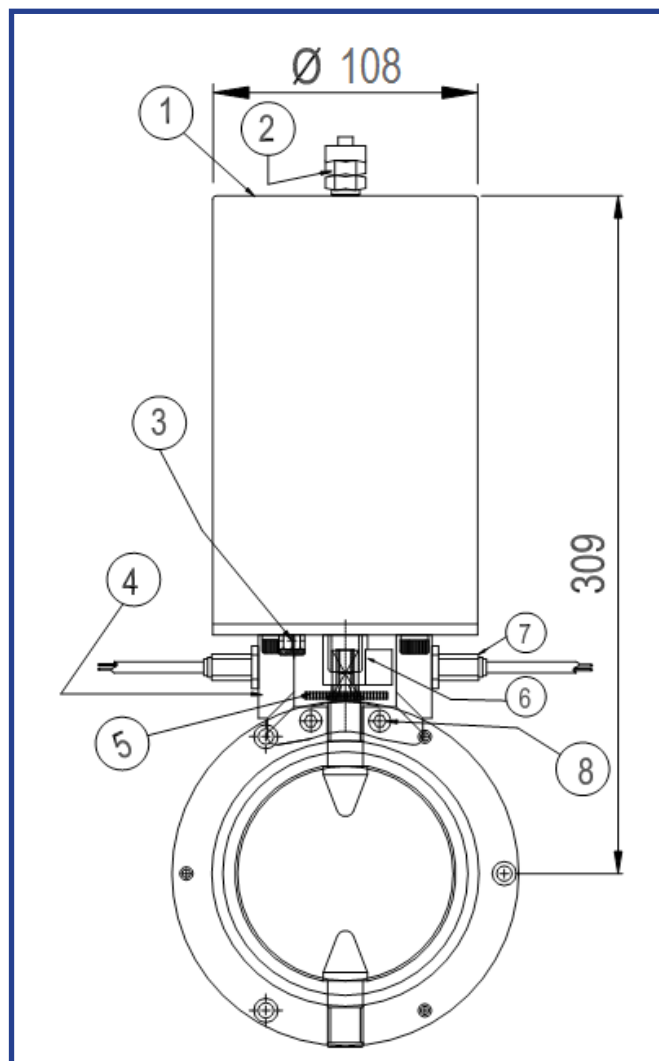
**FOR USE ON 4" (104MM)
BUTTERFLY VALVES**

ITEM	DESCRIPTION	QUANTITY
1	Actuation Cylinder	1
2	Air Supply Inlet	1
3	Air Outlet Filter/Silencer	1
4	Valve Mounting Bracket.	1
5	Red Plastic Position Indicator.	1
6	Valve Drive Adaptor.	1
7	Proximity Switches. (Optional) IF5721 (PLASTIC TYPE) IF5778 (S/S TYPE)	2
8	Mounting Screws.	2

- Shut-off Time = 1.5 Seconds.
- Weight = 3.85Kg.
- Torque = 16 Nm @ 5Bar.
- Consumption = 0.266 Litres @5 Bar

STOCK CODE	SIZE	H (MM)
VTA4	4" (101.6mm)	391

- Material:- SS304 body & fitting.
- 2 Positions - Valve fully open & Valve fully closed
- Mounting bracket accommodates inductive proximity switches .
- May be converted to double acting air/air operation
- Accessories: Adaptor X 1, M6 X 35 screw X 2, washer X 4, M6 Nut X 2, 1/8PT Quick coupler X 1



V-TEK™ BUTTERFLY VALVE STAINLESS STEEL (SS304) PNEUMATIC ACTUATOR (AIR/SPRING) TYPE - C2

V-TEK™ Actuators - Air/Spring & Air/Air type pneumatic Actuator for use with V-TEK™ Butterfly Valves. Can be fitted with Inductive Proximity sensors for feedback. See data sheets for Control Box and Micro switch applications

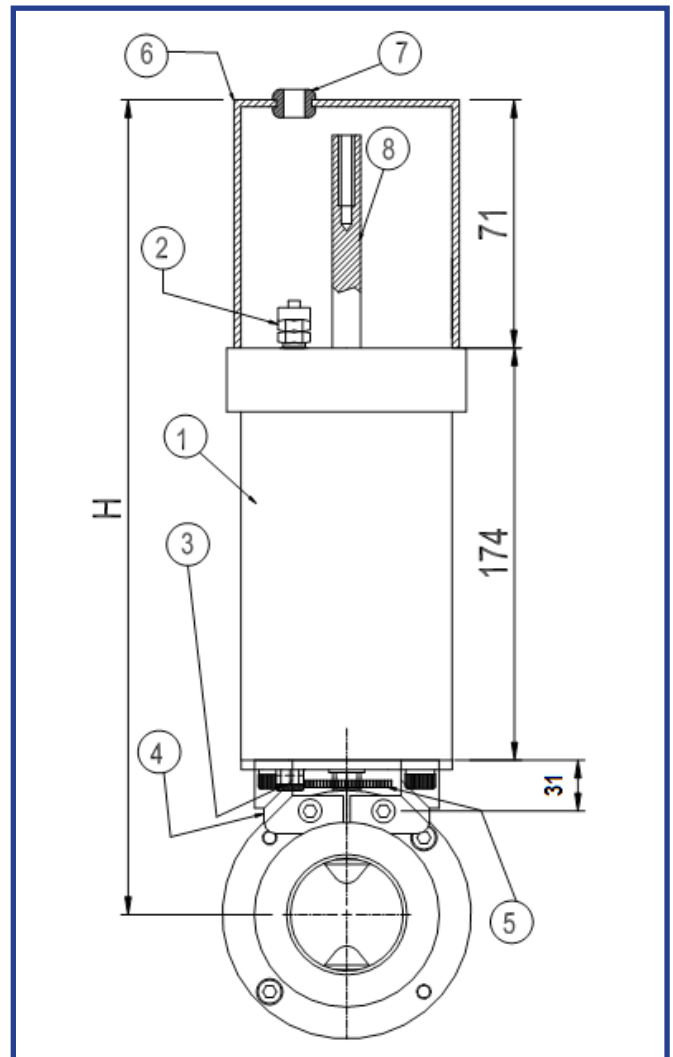
FOR USE ON 1" - 3" (25MM - 76MM) BUTTERFLY VALVES

ITEM	DESCRIPTION	QUANTITY
1	Actuation Cylinder	1
2	Air Supply Inlet	1
3	Air Outlet Filter/Silencer	1
4	Valve Mounting Bracket.	1
5	Red Plastic Position Indicator.	1
6	Micro Switch Housing .	1
7	Air Inlet Pipe Grommet.	1
8	Micro Switch Activator Rod.	1

- Shut-off time = 1.5 Seconds.
- Weight = 3.85Kg.
- Torque = 16 Nm @ 5Bar.
- Consumption = 0.266 Litres @5 Bar

STOCK CODE	SIZE	H (MM)
VTA	1" (25mm)	249
N/A	1 ½" (38mm)	252
N/A	2" (51mm)	262
N/A	2 ½" (63.5mm)	266
N/A	3" (76mm)	272

- Material:- SS304 Body & Fittings.
- 2 Position - Valve fully open & Valve fully closed
- Accommodates micro switches on top of the cylinder
- Can be used with or without control box
- May be converted to double acting air/air operation
- Accessories: Adaptor X 1, M6 X 35 Screw X 2, Washer X 4, M6 NUT X 2, 1/8PT Quick Coupler X 1



V-TEK™ BUTTERFLY VALVE STAINLESS STEEL (SS304) PNEUMATIC ACTUATOR (AIR/SPRING) TYPE - C101
V-TEK™ Actuators - Air/Spring & Air/Air type pneumatic Actuator for use with V-TEK™ Butterfly Valves. Can be fitted with Inductive Proximity sensors for feedback. See data sheets for Control Box and Micro switch applications

**FOR USE ON 4" (104MM)
BUTTERFLY VALVES**

ITEM	DESCRIPTION	QUANTITY
1	Actuation Cylinder	1
2	Air inlet fitting. (Optional) Solenoid Valve SMC VT07-3G-01	1
3	Air Outlet Filter/Silencer	1
4	Valve Mounting Bracket.	1
5	Red Plastic Position Indicator.	1
6	Valve Drive Adaptor.	1
7	Proximity Switches. (Optional)- IG 5717	2
8	Mounting Screws.	1
9	Plastic Cover.	2
10	Piston Shaft	1
11	Air Hose Inlet	1
12	Proximity Switches. (Optional)- IN5129	2

- Shut-off time = 1.5 Seconds.
- Weight = 3.85Kg.
- Torque = 16 Nm @ 5Bar.
- Consumption = 0.266 Litres @5 Bar

STOCK CODE	SIZE	H (MM)
VTA4	4" (101.6mm)	391

- Material:- SS304 Body & Fittings.
- 2 Position - Valve fully open & Valve fully closed
- Accommodates micro switches on top of the cylinder
- Can be used with or without control box
- May be converted to double acting air/air operation
- Accessories: Adaptor X 1, M6 X 35 Screw X 2, Washer X 4, M6 NUT X 2, 1/8PT Quick Coupler X 1

