### **Product Data Sheet**





< STANDARDS >



ASTM D4101 ASTM D1784 ASTM D3222



ANSI B16.5

IPEX FK Series Automated Butterfly Valves offer superior strength and chemical resistance in highly corrosive environments and process flow conditions. This versatile industrial valve features double self-lubricating seals, and a special shaped liner and body cavity guaranteeing a bubble tight seal while keeping break-away torque at an absolute minimum. An integral stainless steel lug version provides for full bi-directional operation allowing disassembly of the downstream flange connection without weakening the integrity of the upstream connection to the pressurized line. FK Series Automated Butterfly Valves are part of our complete systems of pipe, valves, and fittings, engineered and manufactured to our strict quality, performance, and dimensional standards.

#### VALVE AVAILABILITY

Body Material:	Glass reinforced PP (GRPP)
Disc Material:	CPVC, also offered in PP, PVC, ABS, and PVDF
Size Range:	1-1/2" through 12"
Pressure:	See Sample Specifications
Seats:	EPDM or FKM
Seals:	EPDM or FKM
Body Style:	Wafer or Lugged
End Connections:	Flanged (ANSI 150)
Actuator Control:	Double Acting Pneumatic, Spring Return Pneumatic, Electric

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### **Product Data Sheet**

#### Sample Specificaiton

#### 1.0 Butterfly Valves - FK

#### 1.1 Material

- The valve body shall be made of glass reinforced polypropylene (GRPP) obtained from homopolymer polypropylene (PPH).
- The valve disc shall be made of Corzan® CPVC compound which shall meet or exceed the requirements of cell classification 23447 according to ASTM D1784.
- or The valve disc shall be made of stabilized PP homopolymer compound, also containing a RAL 7032 pigment, which shall meet or exceed the requirements of Type I Polypropylene according to ASTM D4101.
- or The valve disc shall be made of PVC compound which shall meet or exceed the requirements of cell classification 12454 according to ASTM D1784.
- or The valve disc shall be made of virgin, non-regrind PVDF compound which shall meet or exceed the requirements of Table 1 according to ASTM D3222.
- The valve shaft shall be made of 316 or 420 stainless steel.

#### 1.2 Seats

- · The disc liner shall be made of EPDM.
- The disc liner shall be made of FKM.

#### 1.3 Seals

- The o-ring seals shall be made of EPDM.
- The o-ring seals shall be made of FKM.

#### 2.0 Connections

#### 2.1 Flanged style

 The ANSI 150 flanged connections shall conform to the dimensional standard ANSI B16.5.

#### 3.0 Design Features

- The valve shall be of either wafer or lugged design (specifier must select one).
- The lugged style shall feature permanently integrated stainless steel lugs.
   No field inserted lugs allowed.
- The shaft shall have standard ISO square dimensions for direct mounting of actuators.
- The disc seat shall be a trapezoidal elastomeric liner and provide a bubble tight seal.
- The liner shall completely isolate the valve body from the process flow.
- The liner shall function as a flange gasket on both sides of the valve.
- The body cavity shall feature special channeling to prevent liner slippage and compression.
- The disc, seats, and seals shall be the only wetted parts.
- Teflon® seated o-ring seals shall prevent the stainless steel shaft from becoming wetted.

### **Product Data Sheet**

#### 3.1 Pressure Rating

#### CPVC Disc, Wafer Style

- 1-1/2" and 2" shall be rated at 232 psi at 73°F
- 2-1/2" to 10" shall be rated at 150 psi at 73°F
- 12" shall be rated at 120 psi at 73°F

#### PP Disc, Wafer Style

- 1-1/2" to 10" shall be rated at 150 psi at 73°F
- 12" shall be rated at 120 psi at 73°F
- 14" shall be rated at 100 psi at 73°F
- 16" shall be rated at 85 psi at 73°F

#### PVC Disc, Wafer Style

- 14" shall be rated at 100 psi at 73°F
- 16" shall be rated at 85 psi at 73°F

#### PVDF Disc, Wafer Style

- 1-1/2" and 2" shall be rated at 232 psi at 73°F
- 2-1/2" to 10" shall be rated at 150 psi at 73°F
- 12" shall be rated at 120 psi at 73°F

#### CPVC Disc, Lugged Style

- 2-1/2" to 8" shall be rated at 150 psi at 73°F
- 12" shall be rated at 85 psi at 73°F

#### PP Disc, Lugged Style

- 2-1/2" to 8" shall be rated at 150 psi at 73°F
- 10" and 12" shall be rated at 85 psi at 73°F

#### PVDF Disc, Lugged Style

- 2-1/2" to 8" shall be rated at 150 psi at 73°F
- 12" shall be rated at 85 psi at 73°F

#### 3.2 Markings

 All valves shall be marked to indicate size, material designation, and manufacturers name or trade mark.

#### 3.3 Color Coding

- All valve bodies shall be color-coded beige gray.
- CPVC valve discs shall be color-coded light gray
- PP valve discs shall be color-coded beige gray
- PVC valve discs shall be color-coded dark gray
- PVDF valve discs shall not be color-coded and be white in appearance

4.0 All valves shall be by IPEX or approved equal.

#### 5.0 Actuators

All Actuators shall be factory installed by IPEX

#### **Pneumatic Actuator:**

- Shall be sized for 80 psi control air pressure
- Shall be dual piston rack and pinion design with linear torque output.
- Body shall be Technopolymer UT series or Anodized Aluminum MT series with standard position indicator and NAMUR VDI/VDE 3845 and ISO 5211 mounting dimensions.
- All models shall be operable using air, water, nitrogen or compatible hydraulic fluids from 40 – 120psi.
- Aluminum body models shall feature dual travel stops that provide +/- 10° stroke rotation on both the opening and closing phases.
- All external fasteners shall be stainless steel.

#### **Electric Actuator:**

Contact IPEX.

## **Product Data Sheet**

#### **Valve Selection**

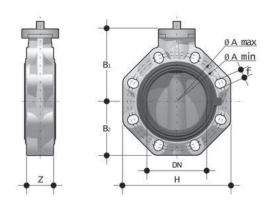
						IPEX Pa	rt Number			
Size (inches)	Disc Material	Seal Material	Pneum Double A			Spring Return, ly Closed		Spring Return, ally Open		ouble Acting 40 VAC
			Wafer	SS Lugs	Wafer	SS Lugs	Wafer	SS Lugs	Wafer	SS Lugs
1-1/2	CPVC	EPDM	154600	-	154618	-	154636	-	154654	-
1-1/2	CPVC	FKM	154668	-	154686	-	154704	-	154722	-
2	CD) (C	EPDM	154601	-	154619	-	154637	-	154655	-
2	CPVC	FKM	154669	-	154687	-	154705	-	154723	-
2 1/2	CPVC	EPDM	154602	154610	154620	154628	154638	154646	154656	154662
2-1/2	CPVC	FKM	154670	154678	154688	154696	154706	154714	154724	154730
7	CDV (C	EPDM	154603	154611	154621	154629	154639	154647	154657	154663
3	CPVC	FKM	154671	154679	154689	154697	154707	154715	154725	154731
,	CD) (C	EPDM	154604	154612	154622	154630	154640	154648	154658	154664
4	CPVC	FKM	154672	154680	154690	154698	154708	154716	154726	154732
_	00/0	EPDM	154605	154613	154623	154631	154641	154649	154659	154665
5	CPVC	FKM	154673	154681	154691	154699	154709	154717	154727	154733
,	00/0	EPDM	154606	154614	154624	154632	154642	154650	154660	154666
6	CPVC	FKM	154674	154682	154692	154700	154710	154718	154728	154734
0	00/0	EPDM	154607	154615	154625	154633	154643	154651	154661	154667
8	CPVC	FKM	154675	154683	154693	154701	154711	154719	154729	154735
10	001/0	EPDM	154608	154616	154626	154634	154644	154652	-	-
10	CPVC	FKM	154676	154684	154694	154702	154712	154720	-	-
10	00)/0	EPDM	154609	154617	154627	154635	154645	154653	-	-
12	CPVC	FKM	154677	154685	154695	154703	154713	154721	-	-

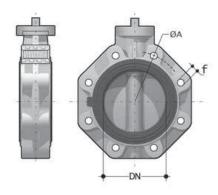
FOR CUSTOM CONFIGURATIONS, PLEASE CONTACT IPEX.

PP, PVC, ABS, and PVDF disc valves available on request. For 10" and 12" electrically actuated valves, please contact IPEX. For 14" and 24" actuated valves, please contact IPEX

## **Product Data Sheet**

#### **Dimensions**

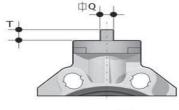


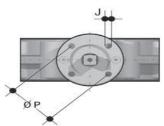


Dimensions	

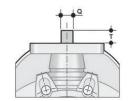
					Diritorioloi	10 (11 101 100)					
Size	DN	Z	B <sub>1</sub>	$B_2$	Н	Amin	Amax		Alug	flug	# holes
1-1/2	1.57	1.30	4.17	2.36	5.20	3.90	4.29	0.75	3.87	1/2-UNC	4
2	1.97	1.69	4.41	2.76	5.79	4.53	4.94	0.75	4.75	5/8-UNC	4
2-1/2	2.56	1.81	4.69	3.15	6.50	5.04	5.67	0.75	5.50	5/8-UNC	4
3	3.15	1.93	5.24	3.66	7.28	5.71	6.30	0.75	6.00	5/8-UNC	8
4	3.94	2.20	5.79	4.21	8.31	6.50	7.48	0.75	7.50	5/8-UNC	8
5	4.92	2.52	6.57	4.72	9.45	8.03	8.46	0.91	8.50	3/4-UNC	8
6	5.91	2.76	7.09	5.28	10.55	9.06	9.53	0.91	9.50	3/4-UNC	8
8	7.87	2.80	8.94	6.34	12.72	11.02	11.73	0.91	11.75	3/4-UNC	8
10	9.84	4.49	9.76	8.27	15.94	13.19	14.25	1.00	14.25	7/8-UNC	12
12	11.81	4.49	12.01	9.65	18.70	15.35	17.01	1.14	17.00	7/8-UNC	12

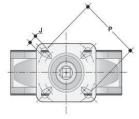
Sizes 1-1/2" to 8"





Sizes 10" to 12"





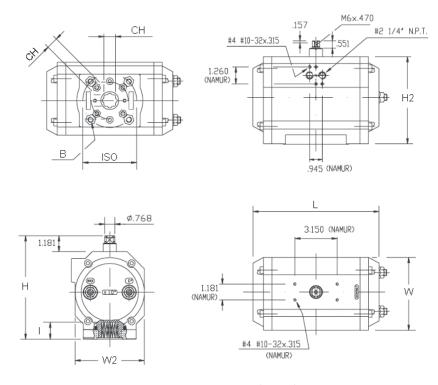
Dimensions (inches)

		اااط	ierisions (inches)		
Size	T	Q	ISO	Р	J
1-1/2	0.47	0.43	F05	1.97	0.28
2	0.47	0.43	F05	1.97	0.28
2-1/2	0.47	0.43	F05 / F07	1.97 / 2.76	0.28 / 0.35
3	0.63	0.55	F07	2.76	0.35
4	0.63	0.55	F07	2.76	0.35
5	0.75	0.67	F07	2.76	0.35
6	0.75	0.67	F07	2.76	0.35
8	0.94	0.87	F10	4.02	0.43
10	1.14	1.06	F10 / F12 / F14	4.02 / 4.92 / 5.51	0.43 / 0.51 / 0.67
12	1.14	1.06	F10 / F12 / F14	4.02 / 4.92 / 5.51	0.43 / 0.51 / 0.67

### **Product Data Sheet**

#### **Pneumatic Actuator Dimensions**

Models UT16, UT21, UT26, UT31, UT36, UT41, UT46, UT51, UT61



#### Dimensions (inches)

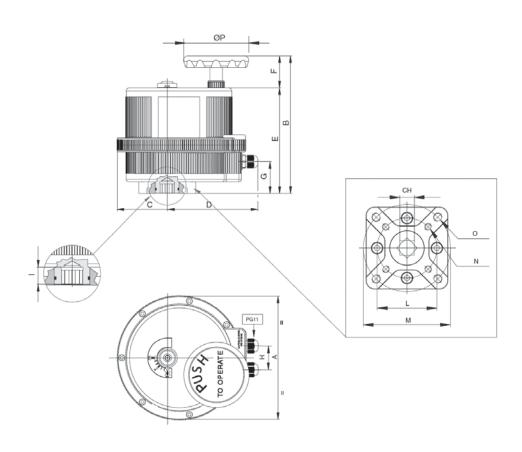
				Diritor	010110 (1110	71100)				
Valve Size D	ouble Acting Model	ISO	СН		W	W2	Н	H2		В
1-1/2	MT16DA	F05 / F07	0.55	6.50	3.19	2.44	4.37	3.19	0.75	1/4-20 UNC x 0.51
2	MT16DA	F05 / F07	0.55	6.50	3.19	2.44	4.37	3.19	0.75	1/4-20 UNC x 0.51
2-1/2	MT16DA	F05 / F07	0.55	6.50	3.19	2.44	4.37	3.19	0.75	1/4-20 UNC x 0.51
3	MT21DA	F05 / F07	0.67	6.97	3.78	3.01	5.04	3.86	0.75	5/16-18 UNC x 0.51
4	MT21DA	F05 / F07	0.67	6.97	3.78	3.01	5.04	3.86	0.75	5/16-18 UNC x 0.51
5	MT26DA	F05 / F07	0.67	9.41	3.78	3.01	5.04	3.86	0.75	5/16-18 UNC x 0.51
6	MT31DA	F05 / F07	0.67	9.06	4.49	3.56	5.79	4.61	0.91	5/16-18 UNC x 0.51
8	MT36DA	F07 / F10	0.87	9.69	5.10	3.76	7.24	6.06	1.18	3/8-16 UNC x 0.71
10	MT51DA	F10 / F12	1.06	14.21	7.13	4.33	9.13	7.95	1.57	1/2-13 UNC x 0.79
12	MT51DA	F10 / F12	1.06	14.21	7.13	4.33	9.13	7.95	1.57	1/2-13 UNC x 0.79

#### Dimensions (inches)

Valve Size S	pring Return Model	ISO	CH		W	W2	Н	H2		В
1-1/2	MT21S5	F05 / F07	0.67	6.97	3.78	3.01	5.04	3.86	0.75	5/16-18 UNC x 0.51
2	MT26S4	F05 / F07	0.67	9.41	3.78	3.01	5.04	3.86	0.75	5/16-18 UNC x 0.51
2-1/2	MT26S4	F05 / F07	0.67	9.41	3.78	3.01	5.04	3.86	0.75	5/16-18 UNC x 0.51
3	MT31S4	F05 / F07	0.67	9.06	4.49	3.56	5.79	4.61	0.91	5/16-18 UNC x 0.51
4	MT36S4	F07 / F10	0.87	9.69	5.10	3.76	7.24	6.06	1.18	3/8-16 UNC x 0.71
5	MT41S4	F07 / F10	0.87	11.42	5.16	3.76	7.24	6.06	1.18	3/8-16 UNC x 0.71
6	MT46S4	F07 / F10	0.87	13.82	5.71	3.88	7.81	6.63	1.18	3/8-16 UNC x 0.71
8	MT51S4	F10 / F12	1.06	14.21	7.13	4.33	9.13	7.95	1.57	1/2-13 UNC x 0.79
10	MT61S5	F14	1.42	17.48	9.13	6.32	11.30	10.12	1.97	5/8-11 UNC x 0.98
12	MT61S5	F14	1.42	17.48	9.13	6.32	11.30	10.12	1.97	5/8-11 UNC x 0.98

## **Product Data Sheet**

#### **Electric Actuator Dimensions**



Valve Size	Actuator Model	ISO	СН		В	С	D			G	Н			М		0	ØP
1-1/2	VB015	F03/F05	0.43	4.84	5.57	1.67	4.74	4.96	0.61	4.06	1.26	0.55	1.42	1.97	10-24 UNC 2BX0.47	1/4-20 UNC 2BX0.55	2.68
2	VB030	F03/F05	0.43	6.18	7.40	2.38	5.12	5.75	1.65	1.30	1.42	0.47	1.42	1.97	10-24 UNC 2BX0.47	1/4-20 UNC 2BX0.55	2.56
2-1/2	VB030	F03/F05	0.43	6.18	7.40	2.38	5.12	5.75	1.65	1.30	1.42	0.47	1.42	1.97	10-24 UNC 2BX0.47	1/4-20 UNC 2BX0.55	2.56
3	VB060	F05/F07	0.55	7.28	8.46	2.66	5.77	6.81	1.65	2.01	1.42	0.63	1.97	2.76	1/4-20 UNC 2BX0.59	5/16-18 UNC 2BX0.67	2.56
4	VB060	F05/F07	0.67	7.28	8.46	2.66	5.77	6.81	1.65	2.01	1.42	0.63	1.97	2.76	1/4-20 UNC 2BX0.59	5/16-18 UNC 2BX0.67	2.56
5	VB110	F07/F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.79	4.33
6	VB110	F07/F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.79	4.33
8	VB270	F07/F10	0.87	8.74	9.19	3.03	6.69	7.17	2.03	2.13	1.58	0.95	2.76	4.02	5/16-18 UNC 2BX0.79	3/8-16 UNC 2BX0.79	4.33

### **Product Data Sheet**



Note: Pneumatic actuator performance is based on 80psi available control air pressure

Valve Size (inches)	Double Acting Pneumatic	Spring Return Pneumatic
1-1/2	UT16DA	UT21S5
2	UT16DA	UT26S4
2-1/2	UT16DA	UT26S4
3	UT21DA	UT31S4
4	UT21DA	UT36S4
5	UT26DA	UT41S4
6	UT31DA	UT46S4
8	UT36DA	UT51S4
10	UT51DA	UT61S5
12	UT51DA	UT61S5

#### Pneumatic Actuator Torque Data

Valve Size	DOUB	LE ACTING		SPRING RETURN								
(inches)	Model	Torque (in-lbs)	Model	Spring Set (standard)	Spring Tore Start	que (in-lbs) End	Air Torqu Start	e (in-lbs) End				
1-1/2	UT16DA	275	UT21S5	S5	307	230	270	193				
2	UT16DA	275	UT26S4	S4	392	247	503	358				
2-1/2	UT16DA	275	UT26S4	S4	392	247	503	358				
3	UT21DA	500	UT31S4	S4	502	374	626	498				
4	UT21DA	500	UT36S4	S4	824	614	986	776				
5	UT26DA	750	UT41S4	S4	1011	741	1259	989				
6	UT31DA	1000	UT46S4	S4	1779	1120	2005	1346				
8	UT36DA	1600	UT51S4	S4	2203	1738	2762	2297				
10	UT51DA	4500	UT61S5	S5	5366	4277	4823	3734				
12	UT51DA	4500	UT61S5	S5	5366	4277	4823	3734				

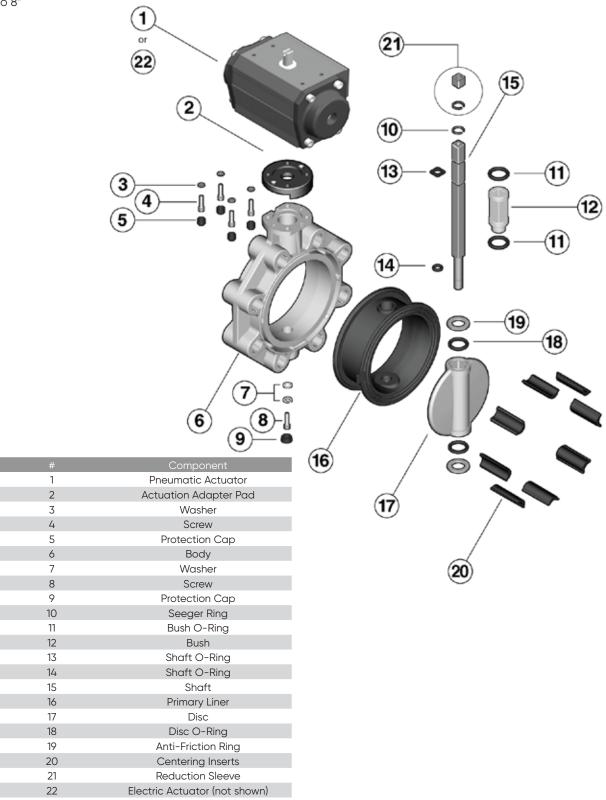
#### Pneumatic Actuator Weights and Air Consumption

Valve Size		DOUBLE ACTING			SPRING RETURN	
(inches)	Model	Weight (lbs)	Air Cons. (in3)	Model	Weight (lbs)	Air Cons. (in3)
1-1/2	UT16DA	4.03	25.6	UT21S5	7.16	18.1
2	UT16DA	4.03	25.6	UT26S4	9.88	30.0
2-1/2	UT16DA	4.03	25.6	UT26S4	9.88	30.0
3	UT21DA	6.33	44.4	UT31S4	12.28	40.6
4	UT21DA	6.33	44.4	UT36S4	19.88	75.0
5	UT26DA	8.82	68.7	UT41S4	23.61	100.0
6	UT31DA	10.67	88.9	UT46S4	33.11	115.6
8	UT36DA	16.71	153.1	UT51S4	49.89	181.3
10	UT51DA	39.24	425.0	UT61S5	101.19	343.8
12	UT51DA	39.24	425.0	UT61S5	101.19	343.8

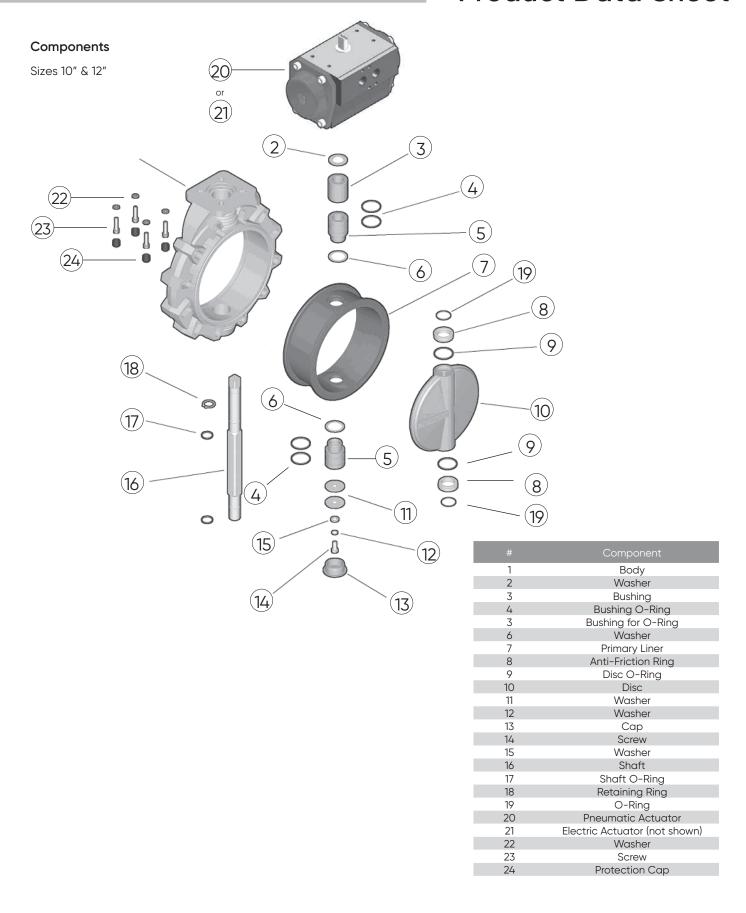
### **Product Data Sheet**

#### Components

Sizes 1-1/2" to 8"



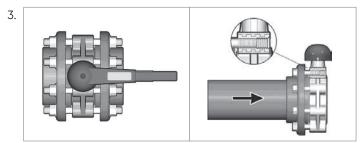
### **Product Data Sheet**



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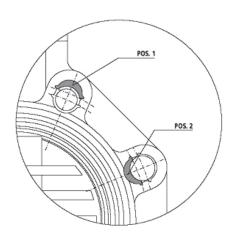
#### Installation

- For non-lugged style sizes 1-1/2" through 8", push the inserts (27) into the body holes according to the position chart below.
- Ensure that the length of the bolts is sufficient for the size
  of valve being installed. Due to the varying designs of
  plastic flanges, there is no recommended minimum length.
  However, a length that results in at least 5 exposed
  threads on each side should be sufficient.

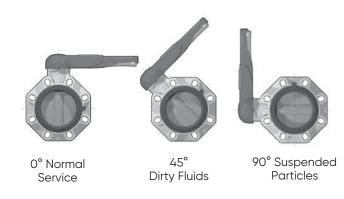


Please refer to the appropriate application sub-section:

- a. For typical inline installation, ensure that the disc is in the partially closed position then carefully insert the valve into the piping system between the two flanges. Insert the bolts, washers, and nuts (if necessary), then hand tighten. Take care to properly line up the valve and flanges as any misalignment may cause leakage.
- b. For lugged version end of line installation, ensure that the disc is in the partially closed position then carefully position the valve on the flange. Insert the bolts, and washers, then hand tighten. Take care to properly line up the valve and flange as any misalignment may cause leakage.



 Connect pneumatic or electric connections according to provided diagrams.



Size (inches)	ANSI 150 Insert Position	Nominal Bolt Torque (ft-lbs)
1-1/2	POS 1	7
2	-	9
2-1/2	POS 2	11
3	POS 2	13
4	POS 2	15
5	POS 2	26
6	POS 2	30
8	POS 2	41
10	-	52
12	-	52

5. To avoid damage to the primary gasket, cycle the valve to the open position before tightening the bolts. For correct joining procedure, please refer to the section entitled, "Joining Methods – Flanging" in the IPEX Industrial Technical Manual Series, "Volume I: Vinyl Process Piping Systems". The bolts should be tightened in an even pattern to the nominal torque in the table below. These torque ratings are sufficient to maintain a watertight seal at the maximum rated operating pressure.

Note: If the process media is dirty or contains suspended particles, it is advisable to install the valve in an orientation in which the shaft is not vertical (see diagrams). Over time, particles may collect at the bottom of the valve posing a threat to the seal between the disc, liner, and shaft.

Note: All quarter turn automated valves are tested for proper operation before leaving the factory.

### **Product Data Sheet**

#### Disassembly

- If removing the valve from an operating system, isolate the valve from the rest of the system. Be sure to depressurize and drain the isolated branch before continuing. It is recommended that all actuators be de-activated before servicing the valve to avoid injury.
- 2. Cycle the valve to a partially open position then loosen each bolt holding the valve to the pipe flange(s). Please refer to the section entitled, "Joining Methods Flanging" in the IPEX Industrial Technical Manual Series, "Volume I: Vinyl Process Piping Systems" for a recommended bolt tightening pattern diagram. Follow the same pattern when disassembling the flanged joint(s) then carefully remove the valve from the line.

#### Sizes 1-1/2" to 8":

- Loosen and remove the bolts, washers and protection caps fixed to the actuator (3, 4, & 5). Carefully remove the actuator and the pad (2) from the valve taking care not to damage the stem.
- 4. Remove the cap (9) then loosen and remove the screw (8) and washer (7) from the base of the valve body.
- 5. Carefully pull the shaft (15) out of the valve body then remove the disc (17).
- 6. Remove the primary liner (16) from the valve body.
- Remove the nylon bushing (12) and o-rings (11) from the valve body (sizes 2-1/2" to 8").
- 8. Remove the disc anti-friction rings (19), and o-rings (18, sizes 2-1/2" to 8").
- 9. Remove the retaining ring (10, sizes 2-1/2" to 8") and o-rings (13, 14) from the shaft.
- The valve components can now be checked for problems and/or replaced.

#### Sizes 10" to 12":

- 3. Loosen and remove the bolts, washers and protection caps fixed to the actuator (22, 23 & 24). Carefully remove the actuator from the valve taking care not to damage the stem.
- Remove the cap (13) then loosen and remove the screw (14) and washers (11, 12 & 15) from the base of the valve body (1).
- 5. Carefully pull the shaft (16) out of the valve body then remove the disc (10).
- 6. Remove the primary liner (7) from the valve body.
- 7. Remove the upper and lower bushings (3, 5), washers (2, 6), and o-rings (4) from the valve body.
- 8. Remove the disc anti-friction rings (8) and o-rings (9 19)
- 9. Remove the retaining ring (18) and o-rings (17) from the shaft.
- The valve components can now be checked for problems and/or replaced.

### **Product Data Sheet**

#### **Assembly**

Note: Before assembling the valve components, it is advisable to lubricate the o-rings with a water soluble lubricant. Be sure to consult the "IPEX Chemical Resistance Guide" and/or other trusted resources to determine specific lubricant-rubber compatibilities.

#### Sizes 1-1/2" to 8":

- Insert the primary liner (16) into the valve body (6). Ensure that the proper holes line up with those on the body.
- Properly fit the o-rings (11) on the nylon bushing (12) (sizes 2-1/2" to 8") then insert the Teflon washer and bushing into the valve body from above.
- Properly fit the disc o-rings (18, sizes 2-1/2" to 8") and antifriction rings (19) on the disc (17), then insert into the valve liner taking care to center the holes.
- 4. Properly fit the o-rings (13, 14) and retaining ring (10, sizes 2-1/2" to 8") in their grooves on the shaft (15), then carefully insert into the valve body from above.
- 5. Fasten the shaft at the base of the valve body using the screw (8) and washer (7). Affix the cap (9) over the bolt.
- 6. Place the spacer pad (2) on the valve body.
- Carefully place the actuator on the stem, lining up the holes. Fasten using the necessary bolts, washers and protection caps (3, 4 & 5). Ensure that the actuator and disk position correspond to the same operating position.

#### Sizes 10" to 12":

- Insert the primary liner (7) into the valve body (1). Ensure that the proper holes line up with those on the body.
- Properly fit the o-rings (4) on the upper and lower bushings (3, 5) then insert into the valve body from above and below along with the washers (2, 6).
- Properly fit the disc o-rings (9, 19) and anti-friction rings (8) on the disc (10), then insert into the valve liner taking care to center the holes.
- Properly fit the o-rings (17) and retaining ring (18) in their grooves on the shaft (16), then carefully insert into the valve body from above.
- 5. Fasten the shaft at the base of the valve body using the screw (14) and washers (11, 12, and 15). Affix the cap (13) over the bolt.
- 6. Carefully place the actuator on the stem, lining up the holes. Fasten using the necessary bolts, washers and protection cap (22, 23 & 24). Ensure that the actuator and disk position correspond to the same operating position.

### **Product Data Sheet**

#### **About IPEX by Aliaxis**

As leading suppliers of thermoplastic piping systems, IPEX by Aliaxis provides our customers with some of the world's largest and most comprehensive product lines. All IPEX by Aliaxis products are backed by more than 50 years of experience. With state-of-the-art manufacturing facilities and distribution centers across North America, we have established a reputation for product innovation, quality, end-user focus and performance.

Markets served by IPEX by Aliaxis products are:

- Electrical systems
- · Telecommunications and utility piping systems
- · Industrial process piping systems
- Municipal pressure and gravity piping systems
- · Plumbing and mechanical piping systems
- · Electrofusion systems for gas and water
- · Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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A policy of ongoing product improvement is maintained. This may result in modifications of features and/or specifications without notice.

