

THERMOPLASTIC VALVES

Manual & Actuated Thermoplastic Valves

IPEX offers one of the most comprehensive ranges of high quality, high performance thermoplastic valves and actuation products available today. With more than 50 years of design and manufacturing experience, our lightweight, long life, maintenance free valves will save you time and money.

Material options such as PVC, CPVC, PP, PVDF, and ABS make our corrosion resistant valves ideal for use in a wide variety of applications. Quarter turn pneumatic and electric actuation, pneumatically actuated diaphragm valves, and many options and accessories allow for fully automated control. Whether a valve is required for isolation, diversion, control, or throttling, IPEX has a solution to meet your needs.

APPLICATIONS

- Acid products handling for refineries, metal works, etc.
- Alum and ferric chloride handling
- Aquariums and aquatic animal life support systems
- Bleach, dye and acid lines
- Brine and seawater systems
- Chlorine injection, chlorine dioxide and chloralkali plant piping
- Pharmaceutical
- Plant chemical distribution lines
- Plant water supply and distribution
- Swimming pools
- Wash water recovery systems
- Water and wastewater treatment



WHAT TYPE OF VALVE TO USE	Ball Valves	Butterfly Valves	Diaphragm Valves	Check & Vent Valves	Specialty Valves
On/Off Service	✓	✓			
High Capacity	✓	✓			
Throttling	✓	✓	✓		✓
Quick & Frequent Cycling	✓				✓
Slurries/Dirty Fluids		✓	✓		
Filtering					✓
Back Flow Prevention				✓	
Air & Gas Release				✓	
Electro-Mechanical Control					✓
Actuation	✓	✓	✓		



DK SERIES DIALOCK® DIAPHRAGM VALVES – NORMALLY OPEN / DOUBLE ACTING PNEUMATIC

The new DK series diaphragm valves are available in PVC, CPVC, PP, or PVDF, four body styles, and three choices of diaphragms (EPDM, FPM, or PTFE). With the ability to be mounted in any position, the DK is ideal solution for modulating flow in either very clean or abrasive slurry applications.

The new innovative and patented Dialock locking mechanism allows the manual handwheel to be adjusted and locked in over 300 positions. The re-designed weir-style body has significantly improved the DK's flow rate compared to the old design and it facilitates precise linear flow regulation through the valve's full range of operation. The new DK is available in manual and pneumatic control styles.



Pressure: up to 150 psi at 73°F

Size: 1/2" – 3/4"

Size (in)	Body Material	Diaphragm Material	IPS Spigot		True Union IPS Socket		True Union FNPT Threaded		ANSI 150 Flanged	
			Product Code	Universal #	Product Code	Universal #	Product Code	Universal #	Product Code	Universal #

Normally Open

1/2	PVC	EPDM	354410	DKYV103-NO	354437	DKUV103-NO	354046	DKFV103-NO	354455	DKOV103-NO
		FPM	354419	DKYV203-NO	354443	DKUV203-NO	354048	DKFV203-NO	354464	DKOV203-NO
		PTFE	354428	DKYV303-NO	354449	DKUV303-NO	354050	DKFV303-NO	354473	DKOV303-NO
	CPVC	EPDM	354482	DKYC103-NO	354509	DKUC103-NO	354088	DKFC103-NO	354527	DKOC103-NO
		FPM	354491	DKYC203-NO	354515	DKUC203-NO	354090	DKFC203-NO	354536	DKOC203-NO
		PTFE	354450	DKYC303-NO	354521	DKUC303-NO	354092	DKFC303-NO	354545	DKOC303-NO
3/4	PVC	EPDM	354411	DKYV104-NO	354438	DKUV104-NO	354047	DKFV104-NO	354456	DKOV104-NO
		FPM	354420	DKYV204-NO	354444	DKUV204-NO	354049	DKFV204-NO	354465	DKOV204-NO
		PTFE	354429	DKYV304-NO	354450	DKUV304-NO	354051	DKFV304-NO	354474	DKOV304-NO
	CPVC	EPDM	354483	DKYC104-NO	354510	DKUC104-NO	354089	DKFC104-NO	354528	DKOC104-NO
		FPM	354492	DKYC204-NO	354516	DKUC204-NO	354091	DKFC204-NO	354537	DKOC204-NO
		PTFE	354501	DKYC304-NO	354522	DKUC304-NO	354093	DKFC304-NO	354546	DKOC304-NO

Pressure: up to 150 psi at 73°F

Size: 20mm – 25mm

Size (mm)	Body Material	Diaphragm Material	Metric Spigot		Metric True Union Socket	
			Product Code	Universal #	Product Code	Universal #

Normally Open

20	PP	EPDM	354554	DKDM103-NO	354581	DKUM103-NO
		FPM	354563	DKDM203-NO	354587	DKUM203-NO
		PTFE	354572	DKDM303-NO	354593	DKUM303-NO
	PVDF	EPDM	354599	DKDF103-NO	354626	DKUF103-NO
		FPM	354608	DKDF203-NO	354632	DKUF203-NO
		PTFE	354617	DKDF303-NO	354638	DKUF303-NO
25	PP	EPDM	354555	DKDM104-NO	354582	DKUM104-NO
		FPM	354564	DKDM204-NO	354588	DKUM204-NO
		PTFE	354573	DKDM304-NO	354594	DKUM304-NO
	PVDF	EPDM	354600	DKDF104-NO	354627	DKUF104-NO
		FPM	354609	DKDF204-NO	354633	DKUF204-NO
		PTFE	354618	DKDF304-NO	354639	DKUF304-NO

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FPM and PTFE diaphragms have FPM o-rings. DK Series Diaphragm valves are made-to-order.

Pressure: up to 150 psi at 73°F

Size: 1/2" – 3/4"

Size (in)	Body Material	Diaphragm Material	IPS Spigot		IPS Socket		FNPT Threaded		ANSI 150 Flanged	
			Product Code	Universal #	Product Code	Universal #	Product Code	Universal #	Product Code	Universal #
Double Acting										
1/2	PVC	EPDM	354040	DKYV103-DA	354052	DKUV103-DA	354058	DKFV103-DA	354076	DKOV103-DA
		FPM	354042	DKYV203-DA	354054	DKUV203-DA	354060	DKFV203-DA	354078	DKOV203-DA
		PTFE	354044	DKYV303-DA	354056	DKUV303-DA	354062	DKFV303-DA	354080	DKOV303-DA
	CPVC	EPDM	354082	DKYC103-DA	354094	DKUC103-DA	354100	DKFC103-DA	354118	DKOC103-DA
		FPM	354084	DKYC203-DA	354096	DKUC203-DA	354102	DKFC203-DA	354120	DKOC203-DA
		PTFE	354086	DKYC303-DA	354098	DKUC303-DA	354104	DKFC303-DA	354122	DKOC303-DA
3/4	PVC	EPDM	354041	DKYV104-DA	354053	DKUV104-DA	354059	DKFV104-DA	354077	DKOV104-DA
		FPM	354043	DKYV204-DA	354055	DKUV204-DA	354061	DKFV204-DA	354079	DKOV204-DA
		PTFE	354045	DKYV304-DA	354057	DKUV304-DA	354063	DKFV304-DA	354081	DKOV304-DA
	CPVC	EPDM	354083	DKYC104-DA	354095	DKUC104-DA	354101	DKFC104-DA	354119	DKOC104-DA
		FPM	354085	DKYC204-DA	354097	DKUC204-DA	354103	DKFC204-DA	354121	DKOC204-DA
		PTFE	354087	DKYC304-DA	354099	DKUC304-DA	354105	DKFC304-DA	354123	DKOC304-DA

Pressure: up to 150 psi at 73°F

Size: 20mm – 25mm

Size (in)	Body Material	Diaphragm Material	Metric Spigot		Metric Socket	
			Product Code	Universal #	Product Code	Universal #
Double Acting						
20	PP	EPDM	354124	DKDM103-DA	354130	DKUM103-DA
		FPM	354126	DKDM203-DA	354132	DKUM203-DA
		PTFE	354128	DKDM303-DA	354134	DKUM303-DA
	PVDF	EPDM	354172	DKDF103-DA	354883	DKUF103-DA
		FPM	354174	DKDF203-DA	354885	DKUF203-DA
		PTFE	354881	DKDF303-DA	354887	DKUF303-DA
25	PP	EPDM	354125	DKDM104-DA	354131	DKUM104-DA
		FPM	354127	DKDM204-DA	354133	DKUM204-DA
		PTFE	354129	DKDM304-DA	354135	DKUM304-DA
	PVDF	EPDM	354173	DKDF104-DA	354884	DKUF104-DA
		FPM	354880	DKDF204-DA	354886	DKUF204-DA
		PTFE	354882	DKDF304-DA	354888	DKUF304-DA

Note: Other options are available on request.

Note: EPDM diaphragms have EPDM o-rings, FPM and PTFE diaphragms have FPM o-rings. DK Series Diaphragm valves are made-to-order.