

**Diaphragm Valves** 

## KDV: A Passion for Perfection



KDV – established in Australia in 1979, specialises in the manufacture and distribution of a wide range of industrial valves.



The company's core product group, continues to be the range of Kim Diaphragm Valves, now marketed internationally under the KDV brand.

The expansion of the business over the years has seen exponential growth of the KDV product base, which now includes a wide range of both manually, operated and automated diaphragm valves.

These products incorporate features now demanded by instrumentation and mechanical engineers from a wide range of industries such as:

- Water treatment
- Mining
- Chemicals and
- Manufacturing



Product features such as a range of body materials, linings, diaphragm materials and automated operators enable the KDV diaphragm valve to be one of the most versatile products available on the flow control market.

The success of KDV over the years has been primarily built upon product quality, the ability to have it readily available in the marketplace and the experience of the KDV team supporting customers, consultants, designers and end users.

An international network of dedicated KDV flow control specialists ensure that the correct product is selected and where necessary, individually "tailored" to suit the application.

With the versatility of the KDV diaphragm valve as a cornerstone, the



organisation has become a major supplier to many industries-forboth major **projects** and for ongoing maintenance **supply contracts**.

The interchangeability of KDV components with other internationally recognised products has provided a steady growth in the key area of supply of spares and assembled valves. KDV support this growth with one of the largest stock holdings of spare parts and accessories for diaphragm valves.

The KDV mantra of "Corrosion & Abrasion Resistant Flow Control" has seen the product range grow to incorporate other PFA/PTFE lined valve types including butterfly valves, check



valves, plug valves and ball valves. These products when combined with a range of lined pipe and fittings allows KDV to provide more than just diaphragm valves; but total flow control solutions for corrosive environments.

A documented quality assurance system in accordance with ISO 9001:2000 underpins KDV's commitment to customer satisfaction.

Around the globe, customers depend on KDV to supply quality products that perform reliably, meet site standards and comply with up to date Occupational Health and Safety (OH&S) requirements.

KDV is more than just a brand. It's a promise of quality product and quality support from people who understand your needs.



# The KDV Diaphragm Valve Advantage



The range of KDV Straight Through Type (ST) Diaphragm Valves are manufactured in accordance with international standards. Available with a wide range of construction materials and lining options, the quality of KDV Diaphragm Valves helps to deliver the full potential of a simple yet versatile and effective flow control design concept.

Valve bodies, linings and diaphragms in hundreds of different combinations offer tailored solutions to suit almost any corrosive or abrasive fluid. Because the flowing media does not come into contact with the working components of the valve, total service life is dramatically increased.

The combination of inexpensive components, fast, easy inline maintenance and long service life make KDV Diaphragm Valves an attractive solution for many applications.

KDV Diaphragm Valves are used extensively throughout many industries. In fields such as:

- Chemical Processing
- Mining & Mineral Processing
- Power generation
- Water Treatment & Filtration
- Electroplating
- Steel Production
- Food & Beverage
- Paints & Coatings
- Textiles & Leather
- Semiconductors
- Pharmaceuticals
- Sugar
- Pulp & Paper.

This wide industrial use is directly attributable to the advantages that a KDV Diaphragm Valve delivers.

#### BENEFITS

- Low initial cost. Simple design and low manufacturing complexity provide your application with a low cost, low maintenance, high performance solution.
- Superior performance. "Bubble-tight" shutoff. Individually tested to provide a total seal to ANSI Class VI Standards.
- Trouble-free operation.
  A bonnet design, free of packing and glands, removes the need for periodic adjustment and replacement.
- Excellent throttling characteristics. Reliable flow regulation between 15% to 85% of rated capacity.
- Easy maintenance.
  Diaphragm replacement can be performed with the valve "in-line" - reducing plant downtime and maintenance costs.
- Clean Design. The body contains no internal cavities or crevices that can trap fluids.
- Self-draining. Installation at the correct angles allow the body to self drain.
- Omni-positional.
  Will operate equally well in any position and flow direction.
- Position indication.
  See at a glance if a valve is in the open, shut or partially open position.
- Expandable.

A wide choice of bonnets and other accessories are available to refine the performance of a KDV Diaphragm Valve to exactly suit your application.

- **Process Automation.** A wide variety of automatic actuators are easily installed with the valve "inline" and without specialist tools.
- Component interchangeability. Genuine KDV components are interchangeable with other internationally recognised products, reducing spare parts inventory and streamlining maintenance.

Users across a wide range of industries have discovered the benefits of KDV Diaphragm Valves.



In North America, KDV Straight Through Type diaphragm valves are used in fertilizer production for acidic slurries, in mineral processing for such applications as hydrometallurgy and in sewage treatment for flow control of solids containing media, all applications requiring a low maintenance valve.



### Diaphragm Valve Components



All KDV handwheels are designed for functional use and comfortable handling.

Unique bonnet design provides overclosure protection for the diaphragm in the closed position. These two metal surfaces will seat and prevent overcompression of the diaphragm.

Bonnet is painted bright yellow under handle skirt to provide clear indication of valve position from any angle. Bonnet self-drains when mounted at slight angle.

> Precision machined from stainless steel provides long term corrosion resistance.

Conforms to contours of diaphragm for support during opening and closing.

Flexible membrane provides positive closure and isolates bonnet components from fluid stream.

The interior's smooth contours provide unrestricted flow and minimum pressure loss.

In Asia, KDV Straight Through Type diaphragm valves are used in phosphate processing for acidic slurries, in pigment manufacture and in mining for flow control of solids containing media, all ideal applications for full flow style lined valves offering low maintenance costs and zero leakage.



# Working Pressure and Temperature



Higher temperatures will lower the physical properties of the various diaphragm materials, requiring a decrease in working pressure and possibly adversely effecting diaphragm life. Valve body material is also a key consideration for both low and high temperature applications.

#### For diaphragms and valves with bodies -Lined and unlined



#### Maximum recommended working pressure

Valve S	ize	Pres	sure
DN (mm)	INCH	Bar	psi
25-100	1-4	10	145
125-150	5-6	6	87
200-300	8-12	5	73
350	14	1.75	25





### Valve and Body Selection

The flexibility of body selection in KDV Straight Through Type Diaphragm Valves can be seen in the table below. With a wide range of base body materials including cast/ductile iron and SS, elastomeric linings, fluoro-polymer coatings and other specialty coatings, our range enables our valves to be optimised to suit many corrosive and abrasive environments.

The majority of body materials can be lined with our coatings and elastomer linings. The selection of the best body material to suit an application is made based on such variables as: media type, temperature and pressure; frequency of thermal cycling, percentage of solids, particle size profile, required end connections and size.

It is necessary to consider many other variables before finalising a selection. These include:

- Service chemical(s) Concentration
- Percentage solids and particle size profile
- Velocity of service
- Proximity of valve to pipe-work direction changes
- Working temperature minimum/normal/maximum
- Working pressure minimum/normal/maximum •
- Frequency of operation (throttling requirements)

MATERIA	AL.	END CONNECTION	SIZE AV	AILABLE	TEMP.
			inch	mm	°C
UNLINED BODY	Cast Iron	Screwed	1⁄2" - 3"	15 - 80	-10 to 175°
		Flanged	<sup>1</sup> ⁄ <sub>2</sub> " - 14"	15 -350	-10 to 175°
	Ductile Iron	Screwed	1⁄2" - 3"	15 - 80	-10 to 175°
		Flanged	1⁄2" - 12"	15 - 300	-10 to 175°
	Cast Steel	Screwed	1⁄2" - 3"	15 - 80	-30 to 175°
		Flanged	1⁄2" - 12"	15 - 300	-30 to 175°
	Cast St Steel	Screwed	1⁄2" - 3"	15 - 80	-30 to 175°
		Butt Weld	1⁄2" - 2"	15 - 80	-30 to 175°
		Flanged	1⁄2" - 12"	15 - 300	-30 to 175°
ELASTOMER LINED BODY	Soft Rubber	Flanged	<sup>1</sup> ⁄2" - 14"	15 - 350	-10 to 85°
	Hard Rubber	Flanged	1⁄2" - 14"	15 - 350	-10 to 85°
	EPDM Rubber	Flanged	1⁄2" - 14"	15 - 350	-10 to 110°
	Butyl Rubber	Flanged	1⁄2" - 14"	15 - 350	-10 to 110°
	Neoprene Polychloroprene	Flanged	1⁄2" - 14"	15 - 350	-10 to 95°
	Hypalon® Chlorosulpho- nated PE	Flanged	1⁄2" - 12"	15 - 300	-10 to 95°
	Urethane	Flanged	1½" - 12"	40-300	10 to 60°
COATED BODY	GLASS	Flanged	1" - 8"	25 - 200	175°
	ECTFE (Halar ®)	Flanged	1" - 12"	25 - 300	120°
	ETFE	Flanged	1" - 12"	25 - 300	149°
	PVDF	Flanged	1" - 12"	25 - 300	130°
	NYLON	Flanged	1" - 12"	25 - 300	80°
	FBE (Fusion Bonded Epoxy)	Flanged	1" to 8"	25-200	90°

#### **Standard Specifications**

#### **Design Standards**

- · EN13397-2001(BS5156:1985)
- MSS SP-88

#### Face to Face Standards

- EN558-1 Series 1(DIN3202-F1)
- EN558-1 Series 7(BS5156)
- MSS SP88-1995(R-01)

#### **Testing Standards**

• EN12266-2 2002(BS6755 Part 1)

#### Material Specifications - Metal Bodies

- Cast Iron (ASTM A126 CI B)
- Ductile Iron (ASTM A395 60-40-18)
- Carbon Steel (ASTM A216 Gr WCB)
- Stainless Steel (ASTM A351 Gr CE8)
- Stainless Steel (ASTM A351 Gr CF8M)
- Stainless Steel (ASTM A351 Gr CF3M)
- Alloy 20 (ASTM A351 Gr CN7M)
- Hastelloy C ASTM A-494 Gr CW-6M
- Bronze ASTM A83600 LG2/4

#### Flange Valve Drilling Standards

• ANSI B16.5 Class 125 & 150

• EN1092 PN10/16) (BS4504)

• AS2129-2000 Table D/E (BS10 1962) • JIS B2220

#### Screwed Valve Thread Standards

ANSI B2.1 NPT

AS1722.1 Part 1 BSPP

\* Maximum Continuous Service Temperature (Refer also to Specific Chemical resistance guide for media information and Pressure/Temperature chart on page 5.)



In South and Central America, KDV Straight Through diaphragm valves are used in gold mining and mineral processing for flow control of abrasive and corosive slurries.





Fluid behaviour differs according variables such as process conditions, temperature, concentration, pressure, nature of the flow, installation & design and site experience and these variables should be taken into account in the application of the above guidelines.

There are many critical services that demand a lined body for maximum chemical or corrosion resistance. KDV Valves offers the above standard linings with many other special linings and coatings available on request. Special linings and coatings are available to suit specific applications where combinations of corrosion and abrasion occur. Not all linings as above are available in all different face to face standards.

We recommend that your selection is confirmed with an Engineer from KDV or an authorised KDV distributor.

KDV bodies can be identified by heat number traceability when requested at order and linings are spark tested in accordance with the relevant standards.

		FAC	E TO FACE DIMENSIONS				
	FL	ANGED		SCREWED			
DN SIZE mm	EN588-1 Series 7 BS-5156/ANSI -125 UNLINED	EN558-1 Series 1 DN 3202 F-1 LINED/UNLINED	MSS-SP88-01 UNLINED	CAST IRON	STAINLESS STEEL	DN-INCHES	
15	108	130	102	64	64	0.5	
20	117	150	140	83	83	0.75	
25	127	160	140	108	108	1	
32	146	180	165	121	121	1.25	
40	159	200	165	140	140	1.5	
50	190	230	190	165	165	2	
65	216	290	216	203	203	2.5	
80	254	310	254	254	254	3	
100	305	350	318	n/a	n/a	4	
125	356	400	356	n/a	n/a	5	
150	406	480	406	n/a	n/a	6	
200	521	600	521	n/a	n/a	8	
250	635	730	635	n/a	n/a	10	
300	749	850	749	n/a	n/a	12	
350	980	980	n/a	n/a	n/a	14	

For Rubber Lined Bodies - add to total length (except for EN588-1 Series 1 / DN3202-F1),

• 6mm for DN15 - DN80.

• 8mm for DN100 - DN200,

• 10mm for DN250 - DN350.

For Plastic Lined Bodies - add to total length (except for EN558-1 Series 1/DN 3202 -F1)

• 6mm for DN15 - DN200



Unlined Flanged Body



Unlined Threaded Body



Halar<sup>®</sup> Coated Body



SS Butt Weld Type Body



upon request

Glass Lined Body

for acidic slurries, in

processing, pigment

control on SS tanks.



· Individual data sheets / GA drawings available on internet site www.kdvflow.com or

Elastomer Lined Body



Urethane Lined Body



# Diaphragm Selection and Services



GRADE	MATERIALS	TE	MP	SIZE F	RANGE	TYPICAL SERVICES
		°C	°F	Imperial	Metric (mm)	
10	Natural Rubber	-30 to 90	-22 to 194	1" to 12"	25 to 300	General Purpose, abrasives, water, diluted minerals acids,
11	Natural Rubber Composite	-30 to 90	-22 to 194	1" to 8"	25 to 200	Abrasives, slurry and suspended solids
20	EPDM/Black	-40 to 135	-40 to 275	1" to 12"	25 to 300	General Purpose, resistant to temperatures, most corrosive chemicals and abrasive liquids.
2F	EPDM/food grade	-30 to 100	-22 to 212	1" to 8"	25 - 200	Food and pharmaceuticals
30	Butyl Rubber	-20 to 120	-4 to 248	1" to 12"	25 to 300	Acids, alkalis, hot water, low pressure steam
40	Nitrile Rubber	-20 to 90	-4 to 194	1" to 12"	25 to 300	Oils, fats & fuels
50	Neoprene	-20 to 90	-4 to 194	1" to 12"	25 to 300	Air, weak chemicals, greases
60	Hypalon*	-10 to 90	14 to 194	1" to 12"	25 to 300	Concentrated acids & alkalis, chlorine services
70	Viton * FKM	0 to 150	32 to 301	1" to 4"	25 to 100	Concentrated sulphuric & other acids, aromatic hydrocarbons, chlorine services

• Temperature range shown is a guide only. For specific services contact your local KDV distributor.

• Diaphragms at maximum temperatures cannot be used satisfactorily at maximum pressures. See pressure/temperature chart on Page 5.



In Europe, Scandinavia and Russia, KDV Straight Through Type diaphragm valves are used in processing of acidic slurries, in mineral processing and in mining, incorporating manual and automated control systems, for flow control of media containing solids.







С

**DN 300** 

DN 350

Identification of a valve size can be performed by matching dimensions with those of the diagrams and table below.

Nominal Size	A	В	с	D
15	30	55	3/16"W	
20	30	55	3/16"W	
25	50	64	1/4"W	
32	50	64	1/4"W	
40	50	64	1/4"W	
50	64	86	1/4"W	
65	102	134	3/8" W	
80	102	134	3/8" W	
100			3/8" W	171
125			5/8" W	254
150			5/8" W	254
200			5/8" W	305
250			5/8" W	381
300			1" W	451
350			1"W	527





DN 100 to 350

#### **Diaphragm Styles**

#### Elastomer Diaphragms:

DN15 + "Screwed Style" - diaphragms are assembled by screwing the diaphragm stud into the corresponding female thread on the compressor.

#### Assembly of Diaphragms

Screw the threaded stud into the compressor and turn, tightening completely. Rotate back counter-clockwise to align the holes. Bonnet and diaphragm are then ready to be assembled onto the body by tightening the bolts diagonally and evenly. Torque levels for each size can be found in the Installation and Maintenance Manual.





Pin



Overclosure

adjustment in five easy

steps...

Remove handwheel pin.

# **KDV<sup>®</sup> OVER-CLOSURE PROTECTED** BONNET



Stem sealed handwheel



Non-rising handwheel



Lockable rising handwheel



Lockable rising handwheel



FBE nylon coated rising handwheel body

When valve is properly closed these two metal surfaces will seat and prevent overcompression of the diaphragm.

#### **Bonnet/Operator variations**

- **Chain-wheel** adapted bonnet for valves in elevated positions fitted with chain wheel, guides and chain to suit the "drop" required.
- Extension Spindle for valves in inaccessible positions can be single straight extension or fitted with single/multiple universal joints and/or fitted with key operation for pit environment.
- Sealed bonnet assembly fitted with FKM O-Ring spindle seals
- **Stainless Steel bonnet** assemblies in Non Rising handwheel configuration for environmental corrosion applications with OH&S lockout system as an option. Larger sizes fitted with ball thrust bearing on handwheel.
- Coated bonnets and SS bonnets for environmental corrosive/high temperature services.
- Sliding spindle bonnet assemblies to suit adaptation to specific automation systems - cylinders, diaphragm actuators
- Automation systems KDV actuators in various configurations with many accessories to suit control and automated isolation valve applications using pneumatic or electric actuators.
- Normally Closed/Open and Double Acting diaphragm operated pneumatic actuators in various materials – cast iron, stainless steel or steel, fitted with accessories such as limit stops, visual position indication, emergency handwheel over-ride device, mechanical or proximity switches, pneumatic and electro pneumatic positioners.

#### Handwheel

Cross

Slots

The handwheel is screwed onto the valve spindle and fixed in the correct position by inserting a pin into one of the four cross slots.



Turn handwheel

anti-clockwise

one turn.

Insert a piece of steel wire.



Close valve tightly and remove steel wire.



Turn handwheel clockwise until sleeve seats on bonnet rim and re-insert handwheel pin.

# **Ordering Information**



37 050	>	7A	o	A	o	10	A	S		X
ST Size	Design	FF & End Connection	is Body Material	Body Lining	Fasteners	Diaphragm	Operator Stem	Bonnet/Op	erator	Accessories
			/		/	``	``	<b>\</b> _		``
		+ ``					``	   		
	CODE-F-F & END CONNECTIONS		CODE-BODY MATERIAL		ODE-FASTENERS			CODE-I	BONNET/OPERATOR	
(114.) DN8 (114.)	1A DIN F-F #150		A ALLOY 20 (CN7M)		A SS304 FASTENERS				STANDARD CAST IRON I	RISING HAND WHEEL BONNET.
010 DN10 (3/8')	1C DINF-F PN16		B BRONZELG2		B SS316 FASTENERS			5	STANDARD COMPRESS	OR, HALAR COATED EXTERIOR
015 DN15 (1/2')	1D DINF-F PN10		C CAST IRON (AST M A126 CI B)		C 8.8 FASTENERS			1	STANDARD CAST IRON I	RISING HAND WHEEL BONNET,
020 DN20 (3.4°)	1K DIN F-F TABLE D		D DUCTILE IRON (ASTM A395 60-40-18)		D B7/2H			5	STANDARD COMPRESS	ß
025 DN25 (1')	12 DIN F-F UNDRILLED		F FORGED STAINLESS STEEL 316L					5	SEALED CAST IRON NON	RISING HAND WHEEL BONNET,
032 DN32 (1 1/47)	2A MSSF-F #150		G CAST STAINLESS STEEL CF3M (SS316L)					3	STANDARD COMPRESS	ň
040 DN40 (11/2)	2G MSSF-F #300		H HASTELLOY C		UDE-DIAPHRAGM	CODE-DIAPHRAGM		5	SEALED CAST IRON RIS	ING HANDWHEEL,
C 050 DN50 (2')	2K MSSF-F TABLE D		I CAST STAINLESS STEEL CF8M (SS316)	j 	10 NATURAL RUBBER	40 NITRLE RUBBER		5 	STANDARD COMPRESS	N
065 DN65 (2 1/2')	2Z MSSF-F UNDRILLED		J SAF 2205 (SS)		15 WHILE NALUKAL KUBBEK	30 NEOPKENE KUBBEP	×	-	STANDARD CAST IRON F	RISING HAND WHEEL BONNET,
(3) DN80 (3)	3B BSPPFxF		K CAST STAINLESS STEEL CF8 (SS304)		20 EPDM RUBBER	60 HYPALON RUBBER		5	STANDARD COMPRESS(	OR, EPOXY COATED EXTERIOR
100 DN100 (4")	3L BSPPF / SOCKET WELD SCH 40		L MONEL (M-35-1)		22 EPDM RUBBER (FDM F2	70 FKM (VITON) RUBBE	ER		SEALED WCB NON RISIN	4G HAND WHEEL BONNET.
125 DN125 (5')	3N NPT FXF		S CAST STEEL (ASTM A216 WCB)		25 EPDM RUBBER F DA WHITE	80 SILICON RUBBER		20 20	STANDARD COMPRESS	OR
150 DN150 (6")	3S SOCKET WELD SCH 40			1	30 BUTYL RUBBER	85 POLYURETHANE			SEALED CF8 (SS304) NO	IN RISING HAND WHEEL BOWNET
200 DN200 (8')	3W BUTT WELD BS OD TUBE				35 WHITE BUTYL RUBBER – FDA			0d	SS304 STANDARD COMPF	RESSOR, CAST IRON HAND WHEEL
250 DN250 (10")	L 7A BS F-F #150/125								SEALED CF8 (SS304) NON	N RISING HAND WHEEL BONNET,
300 DN300 (12")	7C BS F-F DIN PN16							2	SS304 STANDARD COM	PRESSOR, SS304 HAND WHEEL
350 DN350 (14")	7D BS F-FDIN PN10								SEALED CF8M (SS316) NC	ON RISING HAND WHEEL BONNET.
	7E BS F-F TABLE E							0W	SS316 STANDARD COMPF	RESSOR, CAST IRON HAND WHEEL
	7F BS F-F TABLE F			_					SEM ED CERM/SS316INC	NI RISING HAND WHEFI BOWNET
CODE-DESIGN	7G BS F-F#300		CODE-BODY LINING		ODE-OPERATOR STEM			≩ 	SS316 STANDARD COMP	RESSOR, SS304 HAND WHEEL
A ACTUATED COMPLETE VALVE	7H BS F-F JIS 5K		A HARD RUBBER (EBONITE)		A SS304 SPINDLE					
B BODYONLY	71 BS E.F. 115 10K		B UTTYL RUBBER (IIR)		B SS316 SPINDLE				Sealed bonnets are fith	ed with FKM (Viton) stem seals
D DIAPHRAGM ONLY			C FBE - FUSION BONDED EPOXY COATED		C SS416 SPINDLE					
H MANUAL BONNET / HANDWHEEL ONLY	A BS F-F IABLE U		E ETFE (TEFZEL) COATED		D SS410 SPINDLE					
P PNEUMATIC ACT UATOR	12 BS F-F UNDRILLED		G GLASSLINED					CODE-		
V MANUAL COMPLETE VALVE (HANDWHEEL)			H HYPALON RUBBER					×	LOCKING KIT	
	t	1	J PVDF COATED		EXAMPLE ORDERING COD	ES		0	CHAIN WHEEL	
			L ECTFE (HALAR) COATED					×	EXTENSION SPINDLE	
			N NEOPRENE RUBBER		COMPLETE VALVE (DV 50mm ST Valve Cast Iron Body F	-F EN558-1.S7 Hard (Ehonite)	37050V7ACAC10ACNK			
			O UNLINED		Nubber Lined Flanged #125/150FF Di	aphragm Grade 10 (Fabric				
			P SFV3 POLISH INSIDE Ra=0.625µm		Keinforced Natural Kubber) Cast Iron t Wheel SS304 Spindle (Screwed Comp	sonnet Assembly Kising Hand ressor) Lockable Hand Wheel				
			Q SFV1 POLISH INSIDE Ra=0.375µm				370E0B7ACAC			
			R PFACOATED		DV 50mm ST Cast Iron Body F-F EN	558-1 S7				
			S SOFT RUBBER		Hard (Ebonite) Rubber Lined Flanged	#125/150FF				
			T ETFE (TEFZEL) LINED							
			U POLYURETHANE		DIAPHRAGM ONLY		37050D10			
			W EPDM RUBBER		CDV 50mm ST Diaphragm Grade 10					
			X SFV4 POLISH INSIDE Ra=0.25 µm +EP		Fabric Reinforced Natural Rubber)					
			Z RILSAN COATED							
			2 NITRILE RUBBER		SONNET ONLY		37050HACN			
			4 SFV3 POLISH INSIDE Ra=0.625µm (BNT FL0	5 & WEIR ONLY)	(DV 50mm ST Cast Iron Bonnet Asser Vision Hand Wheel SS304 Spindle	nbly				
			6 WHITE BUTYL RUBBER (IIR)		Screwed Compressor)					

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# Other Valve Types and Automated Controllers



KDV diaphragm valves can be automated using a variety of actuation systems. Pneumatic actuation is achieved by piston/cylinder or diaphragm operation; both can be fitted with a wide range of accessories including:

- solenoid valves
- switch enclosures
- electro-pneumatic positioners
- limit stops
- emergency hand wheel overrides.

The range offers a low maintenance solution for the control of corrosive and erosive media where repeated control and integration into plant control systems is of paramount importance. KDV electric actuators are available in a wide range of voltages and configurations and can be offered using all world wide brands of valve electric actuators.

A KDV automation/control package is available to suit your specific process conditions, offering tailored features to optimise production and minimise maintenance downtime.





Weir Type Diaphragm Valves



High Purity Diaphragm Valves



Plastic Valve Systems



PFA Lined Ball Valves



Flap Check Valves



PTFE Lined Butterfly Valves



CERTIFIED QUALITY MANAGEMENT SYSTEM

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