

Section 20

Valves

Section 20 Valves

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Compact Ball Valves

Standard Features:

- BSP
- PVC Body
- EPDM Seals
- 0-55°C
- UV Resistant
- 0-6 Bar
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
CBV 1/2 BSP	DN15	UPVC	EPDM	1/2	BSP Thread
CBV 3/4 BSP	DN20	UPVC	EPDM	3/4	BSP Thread
CBV 1 BSP	DN25	UPVC	EPDM	1	BSP Thread
CBV 1-1/4 BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
CBV 1-1/2 BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
CBV 2 BSP	DN50	UPVC	EPDM	2	BSP Thread

Alternative colours and socket ends available on request.

Sampling Valve

Standard Features:

- BSP
- PVC Body
- EPDM Seals
- 0-55°C
- UV Resistant
- 0-6 Bar
- 12 Month Warranty*



Model	Material	Seals	Connection Size inch	Connection Type
SAMPLEVALVE1/4EPBSP	UPVC	EPDM	1/4	BSP Thread

* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

Double Union Ball Valves

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Standard Features:

- ANSI Schedule 80 or BSP
- PVC Body
- EPDM Seals
- Double Union Connections
- Serviceable Valve
- Removable Handle
- UV Resistant
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
UBV UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
UBV UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
UBV UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
UBV UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
UBV UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
UBV UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread
UBV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
UBV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
UBV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
UBV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
UBV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
UBV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

Valve in UPVC, CPVC, PPH, Clear PVC, PVDF.
BSP threads, socket ends or alternative international connections.
Viton seals on request.
Available up to DN100 on request.



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Single Union Non Return Valves

Standard Features:

- ANSI Schedule 80 or BSP
- PVC Body
- EPDM Seals
- Single Union Connection
- UV Resistant
- 0-55°C
- 0-10 Bar
- With spring for vertical or horizontal mounting
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
NRVS UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
NRVS UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
NRVS UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
NRVS UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
NRVS UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
NRVS UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread
NRVS UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
NRVS UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
NRVS UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
NRVS UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
NRVS UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
NRVS UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

Valve in UPVC, CPVC, PPH.
Alternative colours on request.
BSP threads, socket ends or alternative international connections.
Viton seals on request.



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Double Union Non Return Valves

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Standard Features:

- ANSI Schedule 80 or BSP
- PVC Body
- EPDM Seals
- Double Union Connections
- Serviceable Valve
- Patented Springless Design
- UV Resistant
- 0-55°C
- 0-10 Bar
- For Vertical Mounting
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
UNRV UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
UNRV UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
UNRV UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
UNRV UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
UNRV UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
UNRV UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread
UNRV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
UNRV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
UNRV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
UNRV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
UNRV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
UNRV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

Valve in UPVC, CPVC, PPH, Clear PVC.
BSP threads, socket ends or alternative international connections.
Viton seals on request.

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Foot Valves

Standard Features:

- BSP
- PVC Body
- EPDM Seals
- Serviceable Valve
- No Spring
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
FV UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
FV UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
FV UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
FV UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
FV UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
FV UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread

Options:

Valve in UPVC, CPVC.
BSP threads, socket ends or alternative international connections.
Larger sizes available on request.
Viton seals on request.

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Butterfly Valves

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Standard Features:

- Flange Mounted
- PVC Body
- EPDM Seals
- Lockable Handle
- UV Resistant
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
BV UPVC 1-1/2 EP	DN40	UPVC	EPDM	1-1/2	Flange
BV UPVC 2 EP	DN50	UPVC	EPDM	2	Flange
BV UPVC 2-1/2 EP	DN65	UPVC	EPDM	2-1/2	Flange
BV UPVC 3 EP	DN80	UPVC	EPDM	3	Flange
BV UPVC 4 EP	DN100	UPVC	EPDM	4	Flange
BV UPVC 5 EP	DN125	UPVC	EPDM	5	Flange
BV UPVC 6 EP	DN150	UPVC	EPDM	6	Flange
BV UPVC 8 EP	DN200	UPVC	EPDM	8	Flange

Options:

Valve in UPVC, CPVC, PPH.
Viton seals on request.

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Union Diaphragm Valves

Standard Features:

- ANSI Schedule 80
- PVC Body
- EPDM Seals
- Double Union Connections
- Position Indicator
- UV Resistant
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
UDV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
UDV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
UDV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
UDV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
UDV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
UDV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End
UDV UPVC 2-1/2 EP SCH80	DN65	UPVC	EPDM	2-1/2	Socket End
UDV UPVC 3 EP SCH80	DN80	UPVC	EPDM	3	Socket End
UDV UPVC 4 EP SCH80	DN100	UPVC	EPDM	4	Socket End

Options:

Valve in UPVC, CPVC, PPH, Clear PVC, PVDF.
Available with or without unions, BSP, flanged or socket connections.
Diaphragm in Viton or PTFE on request.
Viton seals on request.



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Safety Relief Valves

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Standard Features:

- ANSI Schedule 80
- PVC Body
- PTFE Coated EPDM Diaphragm
- Double Union Connections
- 0-55°C
- Adjustable 0-10 Bar
- 12 Month Warranty*



Suitable as a Relief Valve, Back Pressure Valve or Anti-Siphon Valve.
To provide protection and process security in pumped applications with pipework.

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
USRV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
USRV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
USRV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
USRV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
USRV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
USRV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End
USRV UPVC 2-1/2 EP SCH80	DN65	UPVC	EPDM	2-1/2	Socket End

Options:

Valve in UPVC, PPH, CPVC, PVDF.
Diaphragm in Viton or PTFE coated EPDM.



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Allaqua DSV Solenoid Valves

Standard Features:

- Direct Acting Solenoid Valves
- IP65
- 304SS
- 0-10 Bar
- 0-80°C
- IP65
- 12 Month Warranty*



Allaqua DSV valves offer an economical solution for process automation.

We recommend Allaqua solenoid valves for applications requiring fast opening & closing and multiple quick switching operations.

Suitable for water, air, gases & oil - for viscosities up to 20cPs.

Models:

Model	Connections BSP inch	Cv	Lift Action	Valve Body	Voltage	
DSV 15 SVC 24	1/2	4.6	Semi-Direct	304SS	24	DC
DSV 20 SVC 24	3/4	8.5	Semi-Direct	304SS	24	DC
DSV 25 SVC 24	1	12	Semi-Direct	304SS	24	DC
DSV 32 SVC 24	1-1/4	26	Semi-Direct	304SS	24	DC
DSV 40 SVC 24	1-1/2	26	Semi-Direct	304SS	24	DC
DSV 50 SVC 24	2	48	Semi-Direct	304SS	24	DC
DSV 15 SVC 230	1/2	4.6	Semi-Direct	304SS	230	AC
DSV 20 SVC 230	3/4	8.5	Semi-Direct	304SS	230	AC
DSV 25 SVC 230	1	12	Semi-Direct	304SS	230	AC
DSV 32 SVC 230	1-1/4	26	Semi-Direct	304SS	230	AC
DSV 40 SVC 230	1-1/2	26	Semi-Direct	304SS	230	AC
DSV 50 SVC 230	2	48	Semi-Direct	304SS	230	AC

Options:

Available in Brass or 304SS.
Voltage in 230VAC, 110VAC, 24VDC, 12VDC.
Seals in NBR, EPDM or Viton.
Normally open valves available on request.

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KLD20 Mini Motorised Valves

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Standard Features:

- Ultra Compact Mini Actuator 55x65x60mm
- Reliable Operation 70,000+ Cycles**
- Fast Operation 5-7 Seconds
- Low Power Consumption 5 Watts
- Valve Position Indicator Window
- Manual Override Standard, optionally without
- IP54
- 12 Month Warranty*



Supplied with KLD20COVER
Weather cover for outdoor use.

** Based on manufacturers
testing on cold water at 1mPa.



Motorised ball valves are a popular alternative to solenoid valves. Often retrofitted into difficult applications where solenoid valves are problematic. KLD ball valves have no diaphragms to rupture, no pilot tubes to block, no minimum pressure requirement and no restriction to flow. These valves also feature a manual over-ride and a visual indication of valve position.

Model	Connections BSP mm	Bore Diameter mm	Valve Body	Voltage	
KLD20S KT2 DN15 PVC 24	15	15	PVC	24	AC/DC
KLD20S KT2 DN20 PVC 24	20	20	PVC	24	AC/DC
KLD20S KT2 DN15 PVC 230	15	15	PVC	230	AC
KLD20S KT2 DN20 PVC 230	20	20	PVC	230	AC
KLD20S KT2 DN15 SS 24	15	15	316 SS	24	AC/DC
KLD20S KT2 DN20 SS 24	20	20	316 SS	24	AC/DC
KLD20S KT2 DN25 SS 24	25	20	316 SS	24	AC/DC
KLD20S KT2 DN15 SS 230	15	15	316 SS	230	AC
KLD20S KT2 DN20 SS 230	20	20	316 SS	230	AC
KLD20S KT2 DN25 SS 230	25	20	316 SS	230	AC
KLD20S BD3 DN15 PVC 24	15	15	PVC	24	AC/DC
KLD20S BD3 DN20 PVC 24	20	20	PVC	24	AC/DC
KLD20S BD3 DN15 PVC 230	15	15	PVC	230	AC
KLD20S BD3 DN20 PVC 230	20	20	PVC	230	AC
KLD20S BD3 DN15 SS 24	15	15	316 SS	24	AC/DC
KLD20S BD3 DN20 SS 24	20	20	316 SS	24	AC/DC
KLD20S BD3 DN25 SS 24	25	20	316 SS	24	AC/DC
KLD20S BD3 DN15 SS 230	15	15	316 SS	230	AC
KLD20S BD3 DN20 SS 230	20	20	316 SS	230	AC
KLD20S BD3 DN25 SS 230	25	20	316 SS	230	AC

Options:

KT2 = 2 wire self closing. BD3 = 3 wire powered to open and close.

For alternative voltages, control types or valve materials please enquire. Normally open (NO) available on request.

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KLD200 Motorised Valves

Standard Features:

- Compact Actuator 70x84x102mm
- Fast Operation 10 Seconds
- Low Power Consumption 36 Watts
- Valve Position Indicator Window
- Manual Override
- IP54
- 12 Month Warranty*



Models:

Model	Connections BSP mm	Bore Diameter mm	Valve Body	Voltage	
KLD200N BD3 DN25 PVC 24	1	25	PVC	24	AC/DC
KLD200N BD3 DN32 PVC 24	1-1/4	32	PVC	24	AC/DC
KLD200N BD3 DN40 PVC 24	1-1/2	40	PVC	24	AC/DC
KLD200N BD3 DN50 PVC 24	2	50	PVC	24	AC/DC
KLD200N BD3 DN25 PVC 230	1	25	PVC	230	AC
KLD200N BD3 DN32 PVC 230	1-1/4	32	PVC	230	AC
KLD200N BD3 DN40 PVC 230	1-1/2	40	PVC	230	AC
KLD200N BD3 DN50 PVC 230	2	50	PVC	230	AC
KLD200N BD3 DN25 SS 24	1	25	304SS	24	AC/DC
KLD200N BD3 DN32 SS 24	1-1/4	32	304SS	24	AC/DC
KLD200N BD3 DN40 SS 24	1-1/2	40	304SS	24	AC/DC
KLD200N BD3 DN50 SS 24	2	50	304SS	24	AC/DC

Options:

Other voltages on request.
Control types available in B3S with feedback switches or KT3 self close when power fails.
Available in nickel plated brass.

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KLD Motorised Valves

Larger Sizes — On Request

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Pneumatic Ball Valves

Standard Features:

- Compressed Air Operated 45-120 psi
- Double or Single Acting Actuator
- Position Indicator
- Double Union Ball Valve
- 10 Bar Media Working Pressure
- 0-55°C UPVC
- EPDM Seals
- 12 Month Warranty*

Actuators & Valves
Select options below
sold separately



Models:

Model	Description	Valve Size inch					
Pneumatic Actuators							
		1/2	3/4	1	1-1/4	1-1/2	2
VT 032D	Double acting	✓	✓	✓			
VT 050D	Double acting				✓	✓	✓
VT 050S 05	Single acting	✓	✓				
VT 050S 08	Single acting			✓			
VT 050S 10	Single acting				✓		
VT 065S 06	Single acting					✓	
VT 065S 07	Single acting						✓

Model	Size	Material	Seals	Connection Size inch	Connection Type
Double Union Ball Valve with ISO Actuator Mount					
ISO UBV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
ISO UBV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
ISO UBV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
ISO UBV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
ISO UBV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
ISO UBV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

BSP threads, socket ends or alternative international connections.
Viton Seals on request.



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Pneumatic Butterfly Valves

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Standard Features:

- Compressed Air Operated 45-120 psi
- Double or Single Acting Actuator
- Position Indicator
- UV Stabilised UPVC Valve
- 10 Bar Media Working Pressure
- 0-55°C UPVC
- EPDM Seals
- 12 Month Warranty*



Models:

Model	Size	Material	Seals	Connection Size inch
PA BV UPVC 1-1/2 EP	DN40	UPVC	EPDM	1-1/2
PA BV UPVC 2 EP	DN50	UPVC	EPDM	2
PA BV UPVC 2-1/2 EP	DN65	UPVC	EPDM	2-1/2
PA BV UPVC 3 EP	DN80	UPVC	EPDM	3
PA BV UPVC 4 EP	DN100	UPVC	EPDM	4
PA BV UPVC 5 EP	DN125	UPVC	EPDM	5
PA BV UPVC 6 EP	DN150	UPVC	EPDM	6
PA BV UPVC 8 EP	DN200	UPVC	EPDM	8
PA BV UPVC 10 EP	DN250	UPVC	EPDM	10
PA BV UPVC 12 EP	DN300	UPVC	EPDM	12

Options:

Valve in UPVC, CPVC, PPH, PVDF.
Viton seals on request.

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KLD Modulating Valves

Standard Features:

- Positioning Valve for Flow Control
- 4-20mA Control Input
- LCD Display of Valve Position
- Adjustable Speed
- Forward or Reverse Action
- Special Motor, Extra Long Life Roller Bearings up to 500,000 Cycles
- Low Power Consumption
- 4-20mA Feedback Signal for Valve Position
- Manual Override
- IP54
- Electronic Flow Characteristics Adjustment
- 12 Month Warranty*



Models:

Model	Connections BSP mm	Bore Diameter mm	Valve Body	Voltage	
KLD20T XV DN10 SS 24	DN10	10	304SS	24	DC
KLD20T XV DN15 SS 24	DN15	15	304SS	24	DC
KLD20T XV DN20 SS 24	DN20	20	304SS	24	DC
KLD20T XV DN25 SS 24	DN25	25	304SS	24	DC
KLD200T XV DN32 SS 24	DN32	32	304SS	24	DC
KLD200T XV DN40 SS 24	DN40	40	304SS	24	DC
KLD200T XV DN50 SS 24	DN50	50	304SS	24	DC

Note: Available in 4-20mA or 0-5V

Options:

Flow linearisation orifice options.

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