

EA5560

Valves
ONLINE



VALPES Electric Actuator on DURAPIPE, VKD PVC Double Union Ball Valve

- BSP, Imperial and Metric Socket
- PVC Body, Full Flow
- EPDM or FPM Seals
- Fitted to Valpes Electric Actuator
- On/Off Duty or Modulating Option

Description

The VKD DualBlock® ball valve is a fully unionised valve that stands up to the most severe industrial applications and probably one of the most technically advanced on the market. Fitted to the Valpes range of Electric Actuators, which are all built and tested in house.

EPDM and FPM seals are offered as options, as are the choice of end connections.

Pressure rating: Maximum working pressure: 16 bar at 20°C. Options include choices of supply voltage and the option of fail safe battery back up and modulating control. Use our product selector tool to obtain the perfect valve for your application.

Patented DualBlock® system: The locking device ensures the union nuts are retained in position, even under the most arduous conditions, i.e. vibration or thermal expansion. Patented Seat Stop® ball seat carrier, with micro adjustment of the ball seats and 'take up' of axial pipe loads, which can all be done without the need to drain the system



Description

Durapipe (FIP) offers a PVC plastic bodied ball valve (Type VKD). The valve is fitted complete with a Valpes electric actuator, sized to offer both power and repeatability. As an automatic valve, it gives remote On/Off operation. The unit is lightweight and has options for both seal material and end connections, BSP threaded, with metric and imperial solvent weld ends.



Beschreibung

Durapipe (FIP) bietet einen Kugelhahn mit PVC-Kunststoffgehäuse (Typ VKD) an. Das Ventil ist komplett mit einem elektrischen Stellantrieb von Valpes ausgestattet, der so dimensioniert ist, dass er sowohl Leistung als auch Wiederholbarkeit bietet. Als automatisches Ventil bietet es ferngesteuerten Ein-/Aus-Betrieb. Die Einheit ist leicht und hat Optionen für Dichtungsmaterial und Endanschlüsse, BSP-Gewinde, mit metrischen und imperialen Quellschweißenden.



Descripción

Durapipe (FIP) ofrece una válvula de bola con cuerpo de plástico de PVC (Tipo VKD). La válvula está equipada con un actuador eléctrico Valpes, dimensionado para ofrecer tanto potencia como repetibilidad. Como válvula automática, proporciona una operación remota de encendido/apagado. La unidad es liviana y tiene opciones tanto para el material del sello como para las conexiones finales, rosca BSP, con extremos para soldar solventes métricos e imperiales.



Description

Durapipe (FIP) propose une vanne à boisseau sphérique en plastique PVC (type VKD). La vanne est équipée d'un actionneur électrique Valpes, dimensionné pour offrir à la fois puissance et répétabilité. En tant que vanne automatique, elle permet un fonctionnement marche/arrêt à distance. L'unité est légère et dispose d'options pour le matériau d'étanchéité et les connexions d'extrémité, filetées BSP, avec extrémités à souder au solvant métriques et impériales.

 Durapipe

 valpes

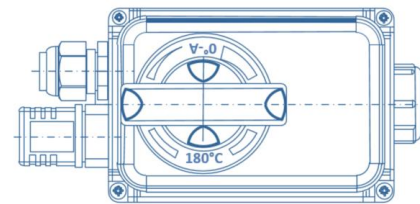
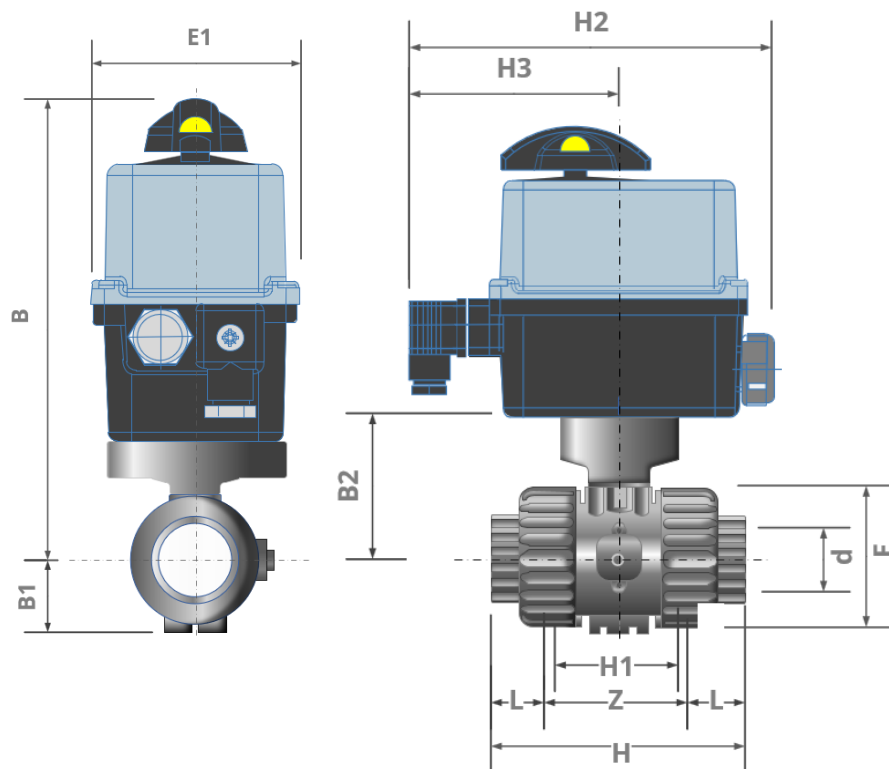
All information is sourced from our manufacturer's data and is intended for guidance only - Valves Online can accept no liability for changes, omissions or errors.

www.valvesonline.co.uk

e-mail: sales@valvesonline.co.uk

© Valves Online Limited

EA5560



Valves Electric Actuator on VKD Ball Valve

- PVC Series VKD Ball Valve
- EPDM or FPM Seats
- Full Bore Various End Connections
- Reliable On/Off Electric Actuator
- IP67 weatherproof
- Manual override
- Anti-condensation heater
- Four limit switches
- Lightweight and Robust
- 12-24 VAC/DC & 110/240 VAC
- **Options** for Modulating Actuator
- **Options** for Fail Safe Close

Serial/Series Number VKDFV-BU3003

VALPES - BSP THREADED ENDS													
d	DN	PN	H	E	H ₁	H ₂	H ₃	L	Z	B	B ₁	B ₂	E ₁
3/8"	10	16	103	54	65	192	111	11.4	80.2	210	29	58	92
1/2"	15	16	110	54	65	192	111	15	80	210	29	58	92
3/4"	20	16	116	65	70	192	111	16.3	83.4	225.5	34.5	69	92
1"	25	16	134	73	78	192	111	19.1	95.8	226	39	74	92
1 1/4"	32	16	153	86	88	192	111	21.4	110.2	249	46	91	92
1 1/2"	40	16	156	98	91	192	111	21.4	113.2	256	52	97	92
2"	50	16	186	122	111	205	130	25.7	134.6	291	62	114	128

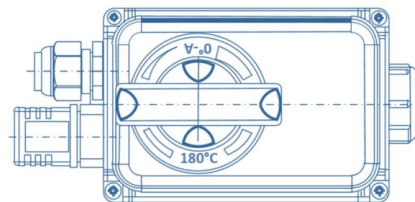
Serial/Series Number VKDLV-BU3003

VALPES - BS Imperial Socket Ends													
d	DN	PN	H	E	H ₁	H ₂	H ₃	L	Z	B	B ₁	B ₂	E ₁
1/2"	15	16	103	54	65	192	111	16.5	70	210	29	58	92
3/4"	20	16	115	65	70	192	111	19	77	225.5	34.5	69	92
1"	25	16	128	73	78	192	111	22.5	83	226	39	74	92
1 1/4"	32	16	146	86	88	192	111	26	94	249	46	91	92
1 1/2"	40	16	164	98	91	192	111	30	104	256	52	97	92
2"	50	16	199	122	111	205	130	36	127	291	62	114	128

Serial/Series Number VKDIV-BU3003

VALPES - Metric Socket Ends													
d	DN	PN	H	E	H ₁	H ₂	H ₃	L	Z	B	B ₁	B ₂	E ₁
16	10	16	103	54	65	192	111	14	75	210	29	58	92
20	15	16	103	54	65	192	111	16	71	210	29	58	92
25	20	16	115	65	70	192	111	19	77	225.5	34.5	73.5	92
32	25	16	128	73	78	192	111	22	84	226	39	74	92
40	32	16	146	86	88	192	111	26	94	249	46	97	92
50	40	16	164	98	91	192	111	31	102	256	52	104	92
63	50	16	199	122	111	205	130	38	123	291	62	114	128

All information is sourced from our manufacturer's data and is intended for guidance only - Valves Online can accept no liability for changes, omissions or errors.



Valpes Electric Actuator on VKD Ball Valve

- Polyamide Actuator
- Reliable On/Off Electric Actuator
- IP66 weatherproof
- Manual override, Optical Position Indicator
- Anti-condensation heater
- Adjustable limit switches
- Lightweight and Robust
- 12-24 VAC/DC & 110/240 VAC
- **Options** for Modulating Actuator
- **Options** for Fail Safe Close

Serial/Series Number VKDFV-BU3003

The Valpes BU3003 electric rotary actuator is a compact and powerful unit, designed for on/off duty, which provides a long service life. Materials and components have been chosen for maintenance free operation. The modular design offers many additional features such as, limit switches, heaters, optical indicator and manual override, all housed in a Anti-Corrosive Polyamide enclosure.

Full actuator details can be found on SKU BU3003 on the valves online website.

Standard Specification		
Enclosure	:	Weatherproof IP66 with plug
Power Supply	:	110/220v 50/60Hz, 24 VAC/DC
Duty Rating	:	IEC34 S4 = 50%
Motor	:	Reversible Motor
Limit Switches	:	4 x SPDT
Space Heater	:	Standard
Manual Override	:	Standard
Large Plug	:	EN175301-803 Form A
Travel Angle	:	90°
Ambient Temperature	:	minus 10°C to plus 55°C
Housing	:	Anti-Corrosive Polyamide

Standard Specification								
Type (model)	Max Output Torque	Operating Time 50/60Hz	Motor Class B	Rated Current (A)				Weight
		90°	W F	24V	110V	220V	24VDC	Kg
BU3003-20	20NM	12		15				1
BU3003-35	35NM	7		45				2.1

- Output torques of 20 / 35Nm
- Reversible motor with low current consumption
- IP66 weatherproof
- Plug or M20 Connector cable entries
- Manual override
- Anti-condensation heater
- Four limit switches
- Easy to wire up

The modular design

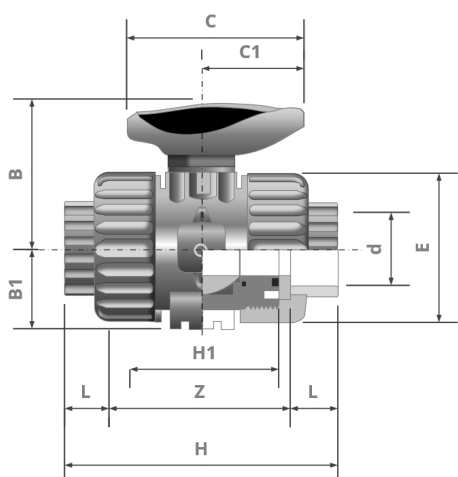
offers many additional features to be added to the basic device such as extra limit switches, potentiometers and emergency power.

With the control actuator version the input signals (eg. 4-20 mA, 0-20 mA, 0-10 V) as well as the output signals can be programmed.

Heating resistor and torque limiter are in standard, the housing is made of flame resistant material classified according to UL 94 V0

Serial/Series Number VKDFV – BSP Threaded

A PVC-U plastic bodied ball valve. Offered as either a manual isolating valve and easily adapted to operate with actuators, this valve has options for both seal material. Sizes range from ½" - 2" BSP threaded.



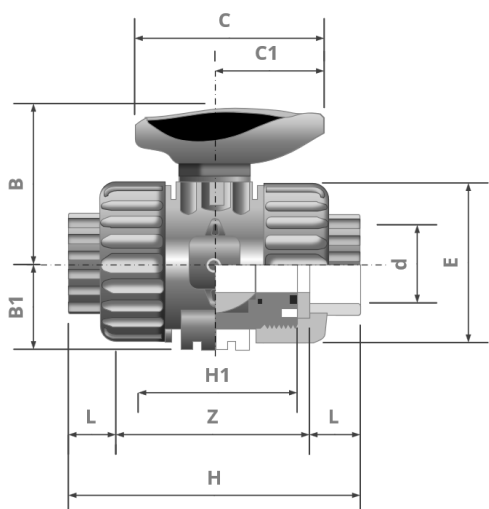
SKU-BV5520

Dimensions - BSP THREADED ENDS

d	DN	PN	L	H	H1	E	B	B1	C	C1	Z****	N/m
3/8"	10	16	11.4	103	65	54	54	29	67	40	80.2	3
1/2"	15	16	15	110	65	54	54	29	67	40	73	3
3/4"	20	16	16.3	116	70	65	65	34.5	85	49	82.4	4
1"	25	16	19.1	134	78	73	69.5	39	85	49	89.8	6
1 1/4"	32	16	21.4	153	88	86	82.5	46	108	64	103.2	7
1 1/2"	40	16	21.4	156	91	98	89	52	108	64	121.2	10
2"	50	16	25.7	186	111	122	108	62	134	76	147.6	16

Serial/Series Number VKDLV-BS Imperial Socket

A PVC-U plastic bodied ball valve. Offered as either a manual isolating valve and easily adapted to operate with actuators, this valve has options for both seal material. Sizes range from ½" - 2" BS Imperial Socket.



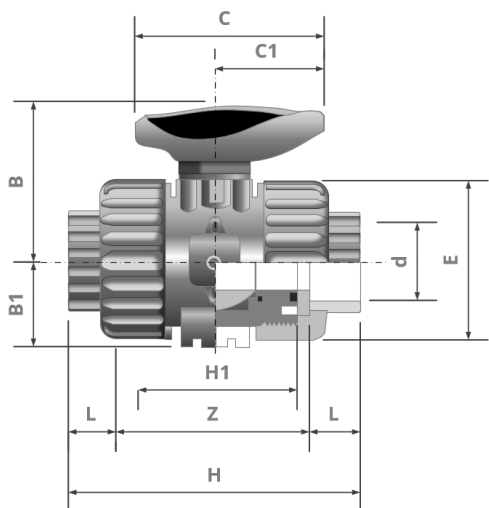
SKU-BV5521

Dimensions - BS 5392 Female Solvent Ends

d	DN	PN	L	Z	H	H1	E	B	B1	C	C1	N/m
1/2"	15	16	16.5	70	103	65	54	54	29	67	40	3
3/4"	20	16	19	77	115	70	65	65	34.5	85	49	4
1"	25	16	22.5	83	128	78	73	69.5	39	85	49	6
1 1/4"	32	16	26	94	146	88	86	82.5	46	108	64	7
1 1/2"	40	16	30	104	164	91	98	89	52	108	64	10
2"	50	16	36	127	199	111	122	108	62	134	76	16

Serial/Series Number VKDIV-Metric Socket

A PVC-U plastic bodied ball valve. Offered as either a manual isolating valve and easily adapted to operate with actuators, this valve has options for both seal material. Sizes range from 16mm - 63mm Metric Socket.

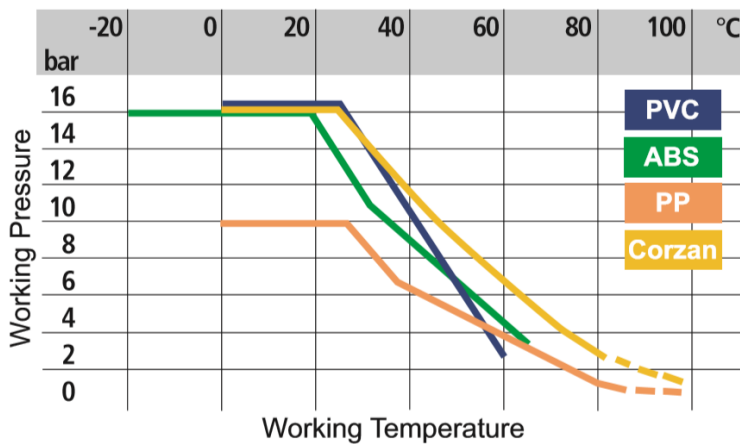


SKU-BV5522

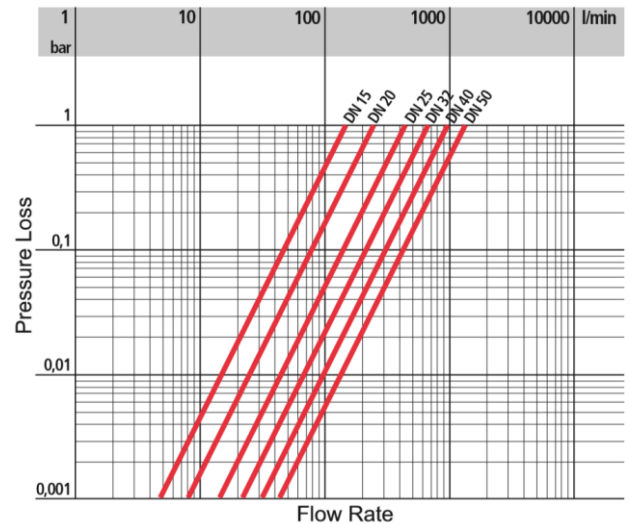
Dimensions - Female Metric Ends

d	DN	PN	L	Z	H	H1	E	B	B1	C	C1	N/m
16	10	16	14	75	103	65	54	54	29	67	40	3
20	15	16	16	71	103	65	54	54	29	67	40	4
25	20	16	19	77	115	70	65	65	34.5	85	49	6
32	25	16	22	84	128	78	73	69.5	39	85	49	7
40	32	16	26	94	146	88	86	82.5	46	108	64	9
50	40	16	31	102	164	91	98	89	52	108	64	10
63	50	16	38	123	199	111	122	108	62	134	76	16

Dimensions and Standards



Pressure/temperature rating for water and harmless fluids to which the material is RESISTANT. In other cases a reduction of the PN is required. (25 years with safety factor).



DN	10	15	20	25	32	40	50
k_{v100}	80	200	385	770	1100	1750	3400

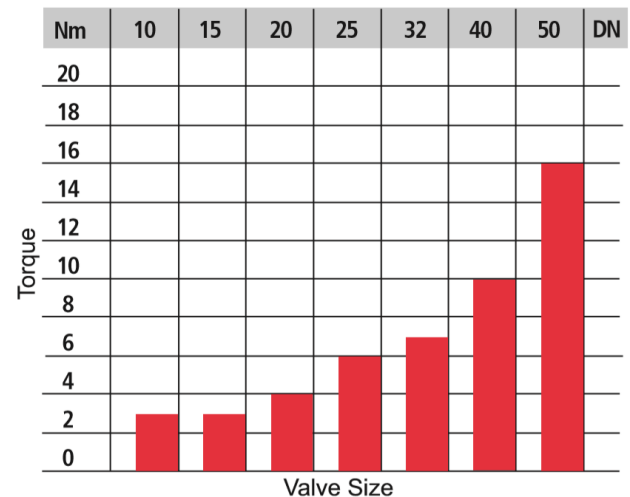
Flow coefficient k_{v100}

k_{v100} is the number of litres per minute of water at a temperature of 20°C that will flow through a valve with a one bar pressure differential at a specified rate. The k_{v100} values shown in the table are calculated with the valve fully open.

Imperial The Imperial System is manufactured in accordance with the relevant British Standards: BS 5392 fittings.

Metric The Metric System is manufactured generally in accordance with the relevant International Standards: ISO 15493, KIWA 49 and 549, DIN 8062 and 8063.

BSP Thread Threaded fittings conform to the requirements of BS 21/DIN 2999/ISO 7. Socket dimensions of metric fittings for solvent welding comply with ISO/DIS 727-1. Interchangeability Components in the imperial and metric ranges are not interchangeable

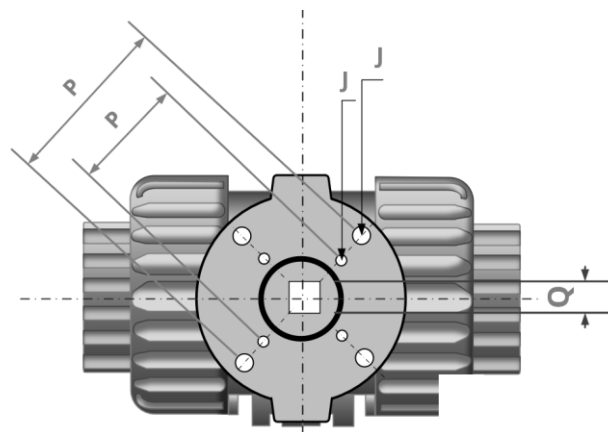
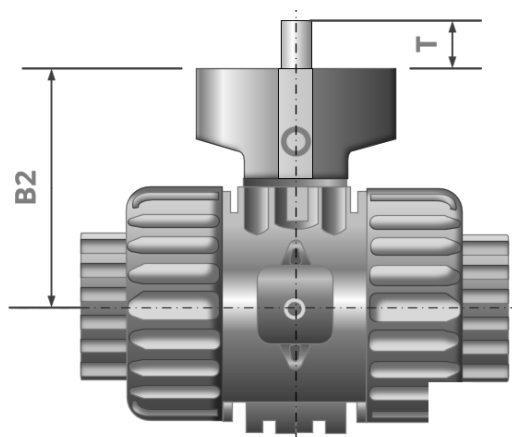


Torque at max. working pressure: 16 Bar.

DN (nominal bore)	Metric Size (mm)	Imperial Size (inch)
10	16	3/8"
15	20	1/2"
20	25	3/4"
25	32	1"
32	40	1 1/4"
40	50	1 1/2"
50	63	2"
65	75	2 1/2"
80	90	3"
100	110	4"
125	140	5"
150	160	6"
200	225	8"
250	250	10"
300	315	12"

Accessories

Mounting Bracket



The valve can be supplied actuated, pneumatic or electric, by our Actuation Department. The GR-PP mounting bracket (with standard ISO 5211 drillings) can be supplied for self-actuation and/or retrofitting of actuators to installed valves

d	DN	B2	Q	T	P x J	P x J	Product Code
1/2" - 20	15	58	11	12	F03 x 5.5	F04 x 5.5	KTPQPEF
3/4" - 25	20	69	11	12	F03 x 5.5	F05 x 6.5	KTPQPGG
3/4" - 25	20	69	11	12		F04 x 5.5	KTPQPG4
1" - 32	25	74	11	12	F03 x 5.5	F05 x 6.5	KTPQPHH
1" - 32	25	74	11	12		F04 x 5.5	KTPQPH4
1 1/4" - 40	32	91	14	16	F05 x 6.5	F07 x 7.5	KTPQPII
1 1/2" - 50	40	97	14	16	F05 x 6.5	F07 x 7.5	KTPQPJJ
2" - 63	50	114	14	16	F05 x 6.5	F07 x 7.5	KTPQPLL

pneumatic



CE Ex siira



Electric Options



J+J



HQ004

All information is sourced from our manufacturer's data and is intended for guidance only - Valves Online can accept no liability for changes, omissions or errors.