



Main Features:-

- ◆ 2 Way ball valve to isolate or regulate flow of product
- ◆ End connection for welded, threaded and flanged joints
- ◆ PN16 Dual-Block valve body manufactured in ABS
- ◆ Durable stem with double O-Ring and double connection key
- ◆ Integrated bracket for valve anchoring

Suitable Applications & Approvals:



VKD DN65/100 ABS

EU MANUFACTURER:



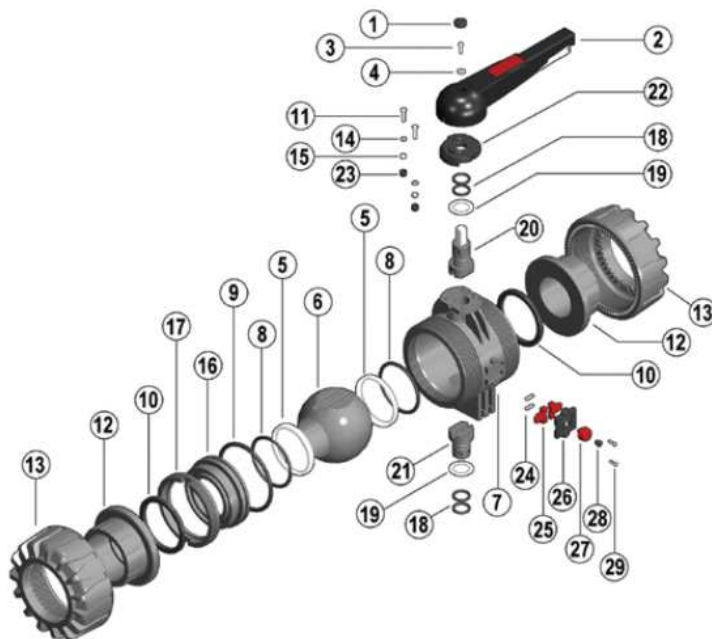
The FIP VKD DUAL BLOCK® valve is a high quality, thermoplastic, true union ball valve with a design that meets the stringent requirements needed by modern industrial applications.

Construction	2-way True Union ball valve with locked carrier and union nuts.
Size Range	DN 65 ÷ 100
Nominal Pressure	PN 16 with water at 20 °C
Operating Temperature	0 °C ÷ 60 °C
Coupling Standards	Solvent welding: EN ISO 1452, EN ISO 15493, BS 4346-1, DIN 8063, NF T54-028, ASTM D 2467, JIS K 6743. Pipe coupling as per EN ISO 1452, EN ISO 15493, DIN 8062, NF T54-016, ASTM D 1785, JIS K 6741 Thread: ISO 228-1, DIN 2999, ASTM D 2464, JIS B 0203 Flanging system: ISO 7005-1, EN ISO 1452, EN ISO 15493, EN 558-1, DIN 2501, ANSI B.16.5 cl. 150, JIS B 2220
Reference Standards	Construction criteria: EN ISO 16135, EN ISO 1452, EN ISO 15493 Test methods and requirements: ISO 9393 Installation criteria: DVS 2204, DVS 2221, UNI 11242 Actuator couplings: ISO 5211
Valve Material	ABS
Seal Material	EPDM, FPM (standard size O-Ring); PTFE (ball seats)

This product is compatible for mounting with standard pneumatic or electric actuators that use standard ISO5211 profiles, when combined with the optional actuation kit accessory. AllValves can supply this product preassembled with a suitable actuator on request.



Part	Component	Material
1	Protection cap	PE
2	Handle	HIPVC
3	Screw	Stainless steel
4	Washer	Stainless steel
5	Ball seat	PTFE
6	Ball	ABS
7	Body	ABS
8	Ball seat O-ring	EPDM/FPM
9	Carrier O-ring	EPDM/FPM
10	Socket seal O-ring	EPDM/FPM
11	Screw	Stainless steel
12	End connector	ABS
13	Union nut	ABS
14	Washer	Stainless steel
15	Nut	Stainless steel
16	Ball seat carrier	ABS
17	Carrier 'stop ring'	ABS
18	Stem O-ring	EPDM/FPM
19	Friction reducing bush	PTFE
20	Upper stem	ABS / Stainless steel
21	Lower stem	ABS
22	Ratchet plate	PP-GR
23	Protection cap	PE
24	Spring	Stainless steel
25	Nut block	PP-GR
26	Cover	PP
27	Nut block button	PP-GR
28	Protection cap	PE
29	Screw	Nylon

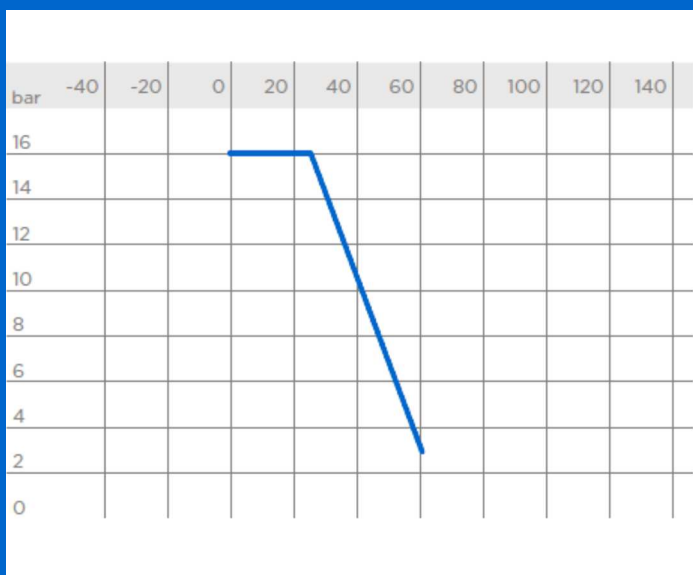


DN	65	80	100
Kv100 l/min	5250	7100	9500

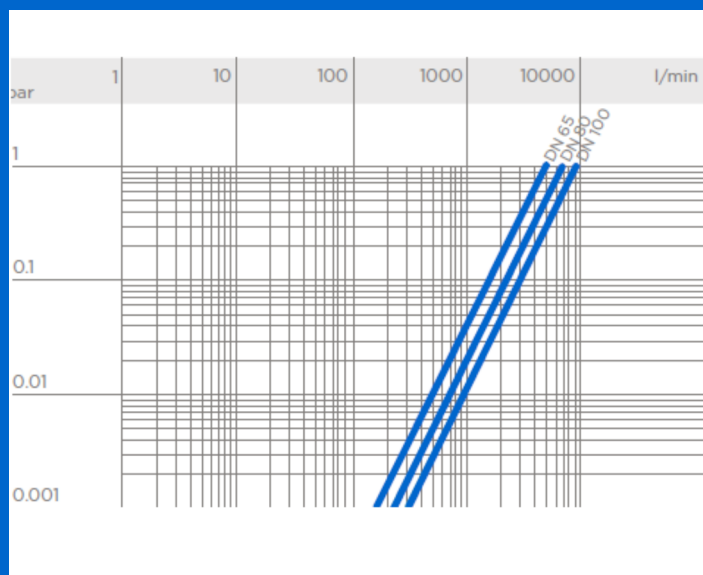
The Kv100 flow coefficient is the Q flow rate of litres per minute of water at a temperature of 20°C that will generate $\Delta p = 1$ bar pressure drop at a certain valve position. *The Kv100 values shown in the table are calculated with the valve completely open.



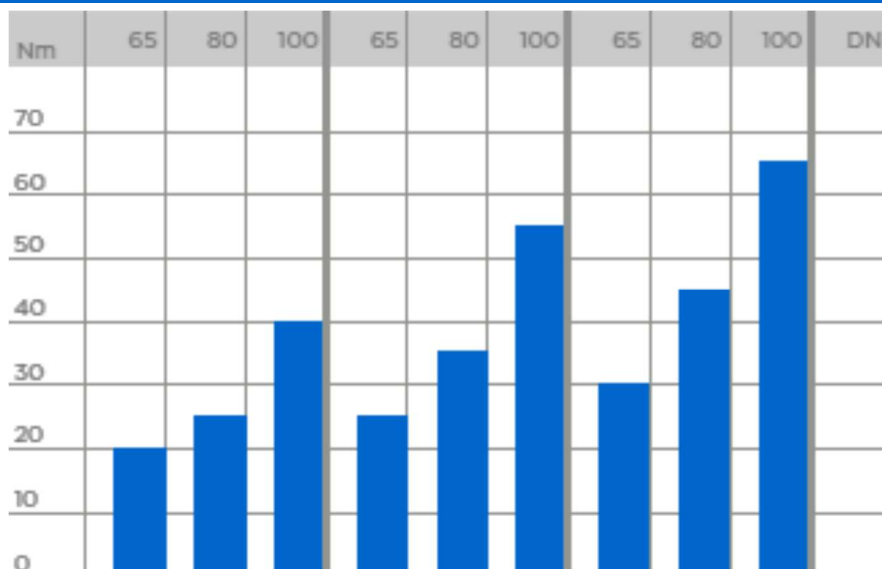
PRESSURE V TEMP



PRESSURE DROP



OPERATING TORQUE

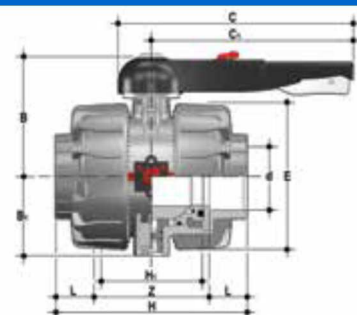


Torque at maximum working pressure.

VKDIA 2-way ball valve with female ends for solvent welding, metric series

DIMENSIONS

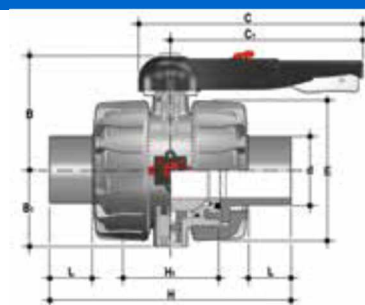
d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
75	65	16	164	87	225	175	164	235	133	44	147	3725
90	80	16	177	105	327	272	203	270	149	51	168	5700
110	100	16	195	129	385	385	238	308	167	61	186	8660





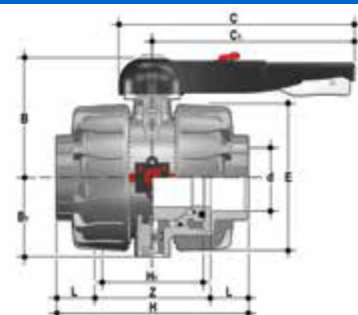
VKDDA 2-way ball valve with male ends for solvent welding, metric series

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	g
75	65	16	164	87	225	175	164	284	284	44	4420
90	80	16	177	105	327	272	203	300	300	51	6930
110	100	16	195	129	385	330	238	340	340	61	10950



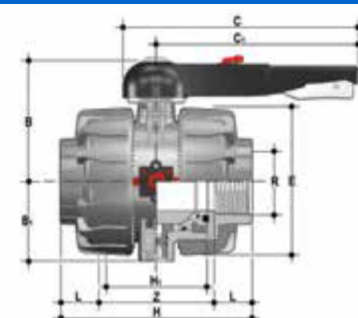
VKDLA 2-way ball valve with female ends for solvent welding, BS series

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
2½"	65	16	164	87	225	175	164	235	133	44	147	3725
3"	80	16	177	105	327	272	203	270	149	51	168	5700
4"	100	16	195	129	385	330	238	308	167	63	182	8660



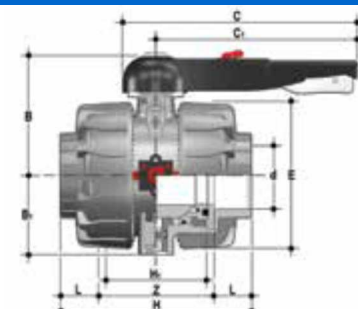
VKDFA 2-way ball valve with BSP threaded female ends

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
2½"	65	16	164	87	225	175	164	235	133	30	175	4395
3"	80	16	177	105	327	272	203	270	149	34	203	7560
4"	100	16	195	129	385	330	238	308	167	40	229	11100



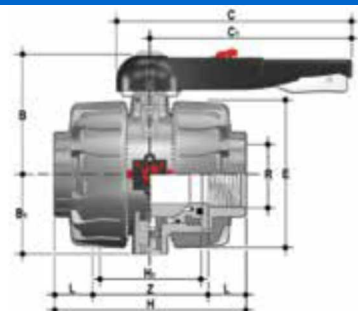
VKDAA 2-way ball valve with female ends for solvent welding, ASTM series

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
2½"	65	16	164	87	225	175	164	235	133	44.5	146	4390
3"	80	16	177	105	327	272	203	270	149	48	174	7210
4"	100	16	195	129	385	330	238	308	167	57.5	193	11065



VKDNA 2-way ball valve with female ends, NPT thread

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
2½"	65	16	164	87	225	175	164	235	133	33.2	168.6	4395
3"	80	16	177	105	327	272	203	270	149	35.5	199	7260
4"	100	16	195	129	385	330	238	308	167	37.6	232.8	11100



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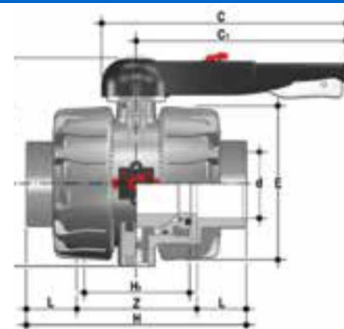


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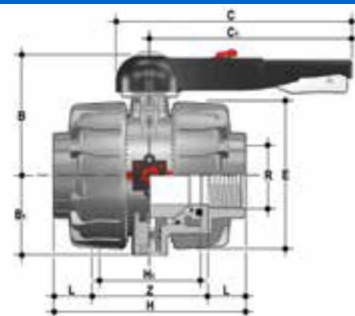
VKDJA 2-way ball valve with female ends for solvent welding, JIS series

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
2½"	65	16	164	87	225	175	164	267	133	61	145	4435
3"	80	16	177	105	327	272	203	294	149	64.5	165	7250
4"	100	16	195	129	385	330	238	370	167	84	202	11580



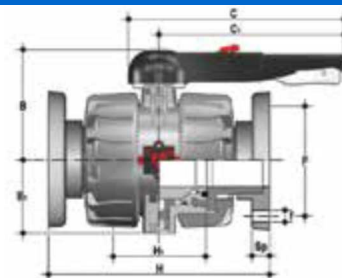
VKDGA 2-way ball valve with female ends, JIS thread

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
2½"	65	16	164	87	175	175	164	235	133	35	165	4400
3"	80	16	177	105	327	272	203	270	149	40	190	7270
4"	100	16	195	129	385	330	238	308	167	45	218	11115



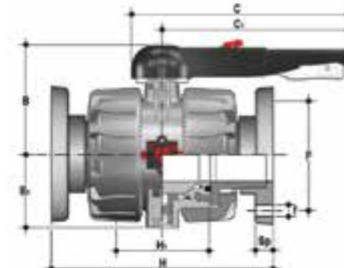
VKDOA 2-way ball valve with EN/ISO/DIN PN10/16 fixed flanges, Face to face according to EN 558-1

d	DN	PN	B	B ₁	C	G	F	f	H	H ₁	Sp	U	g
75	65	16	164	87	225	175	145	17	290	133	21	4	6610
90	80	16	177	105	327	272	160	17	310	149	21.5	8	9330
110	100	16	195	129	385	330	180	17	350	167	21.5	8	13815



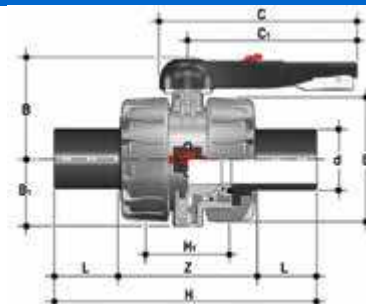
VKDOAA 2-way ball valve with fixed flange, drilled ANSI B16.5 cl.150#FF

d	DN	PN	B	B ₁	C	G	F	f	H	H ₁	Sp	U	g
2½"	65	16	164	87	225	175	139.7	18	290	133	21	4	6610
3"	80	16	177	105	327	272	152.4	18	310	149	21.5	8	9330
4"	100	16	195	129	385	330	190.5	18	350	167	21.5	8	13815



VKDBEA 2-way ball valve with PE100 SDR 11 male end connectors for butt welding or electrofusion (CVDE)

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
75	65	16	164	87	225	175	162	356	133	71	214	4400
90	80	16	177	105	327	272	202	390	149	88	214	7100
110	100	16	195	129	385	330	236	431	167	92	247	10800



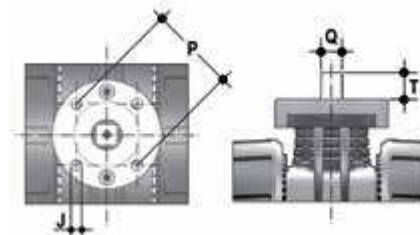
CVDE Long spigot PE100 end connectors for joints with electrofusion fittings or for butt welding

d	DN	PN	L	SDR
75	65	16	111	11
90	80	16	118	11
110	100	16	132	11



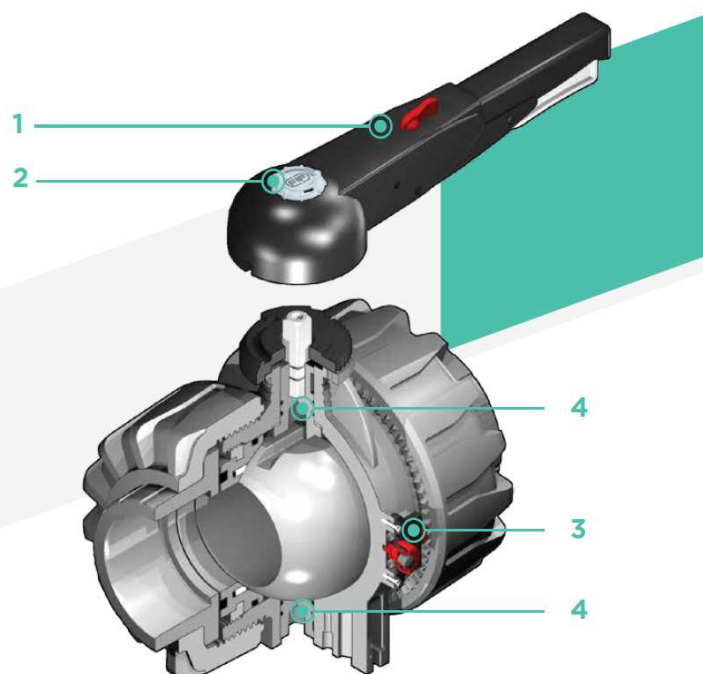
ACTUATOR MOUNTING FLANGE Actuator mounting kit for FIP VKD & TKD ball valves

d	DN	PxJ	T	Q
75	65	F07 x 9	16	14
90	80	F07 x 9	16	14
110	100	F07 x 9	19	17



The valve can be equipped with pneumatic or electric standard actuators and handwheel reduces for heavy-duty operations, using the PP-GR module reproducing the drilling pattern foreseen by ISO 5211 F07.

FEATURES



- 1** HIPVC ergonomic multifunctional handle for quick operation, **lock and graduated adjustment in 10 positions**. Possibility of inhibiting rotation with a lock
- 2** Customisable Labelling System: LCE module made of a transparent protection plug and **customisable tag holder** using the LSE set (available as accessory). The customisation lets you identify the valve on the system according to specific needs
- 3** **DUAL BLOCK®** patented lock system that ensures union nut tightening hold even in severe conditions such as vibrations or heat dilation
- 4** **Double stem** with double O-Rings for ball centring and operating torque reduction