



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 PVC-C
- ◆ Durable stem with double O-Ring and double connection key
- ◆ Integrated bracket for valve anchoring

Suitable Applications & Approvals:



VKD DN65/100 PVC-C

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.

TECHNICAL SPECIFICATIONS	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 ÷ 100 °C
	Coupling Standards	Solvent welding: EN ISO 15493, ASTM F 439. Can be coupled to pipes according to EN ISO 15493, ASTM F 441
		Thread: ISO 228-1, DIN 2999, ASTM F437
		Flanging system: ISO 7005-1, 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	PVC-C
	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.



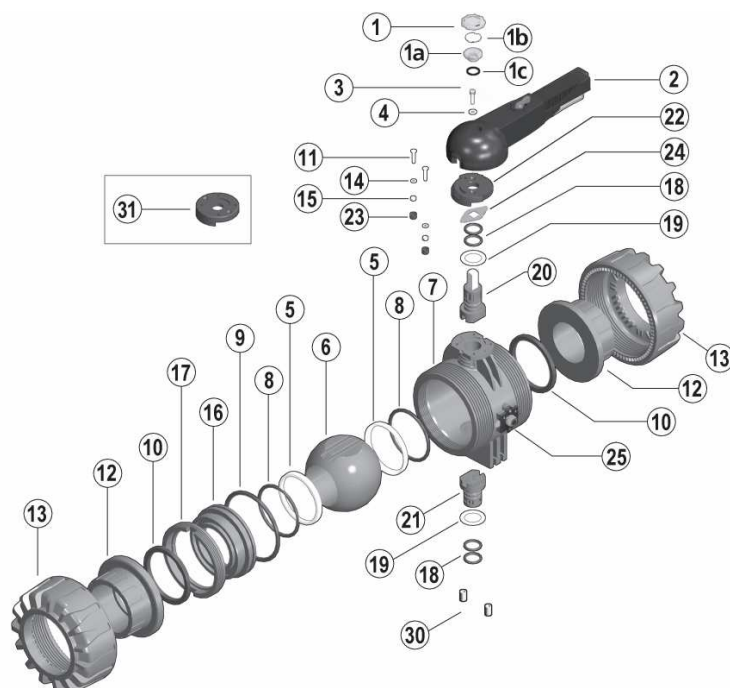
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1	Plug upper part	PVC
1a	Plug lower part	PVC
1b	Tag holder	PVC
1c	Plug O-Ring	NBR
2	Handle	HIPVC
3	Screw	Stainless steel
4	Washer	Stainless steel
5	Ball seat	PTFE
6	Ball	PVC-C
7	Body	PVC-C
8	Support O-ring	EPDM / FPM
9	Radial seal O-ring	EPDM / FPM
10	Special socket seal	EPDM / FPM
11	Screw	Stainless steel
12	End connector	PVC-C
13	Union nut	PVC-C
14	Washer	Stainless steel
15	Nut	Stainless steel
16	Support for ball seat	PVC-C
17	Stop ring	PVC-C
18	Stem O-ring	EPDM / FPM
19	Friction reducing bush	PTFE
20	Upper stem	PVC-U * / Stainless steel
21	Lower stem	PVC-C
22	Pad	PP-GR
23	Protection cap	PE
24	Position Indicator	ABS
25	Nut block	PP-GR
30	Bracketing bush	Brass
31	Actuation adapter	PP-GR



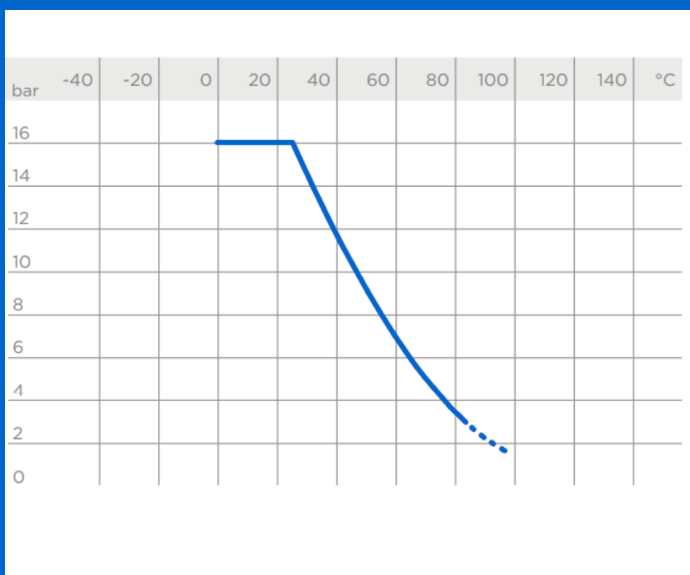
DN	65	80	100
Kv100 l/min	5250	7100	9500

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.

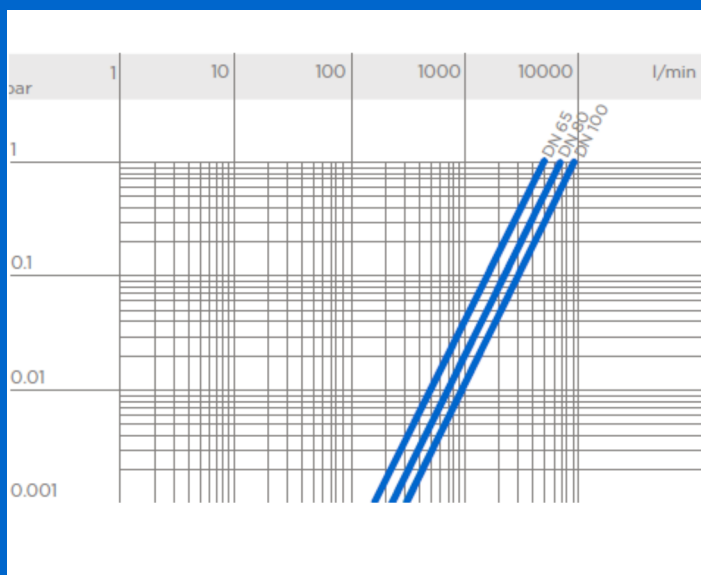
*The Kv100 values shown in the table are calculated with the valve completely open.



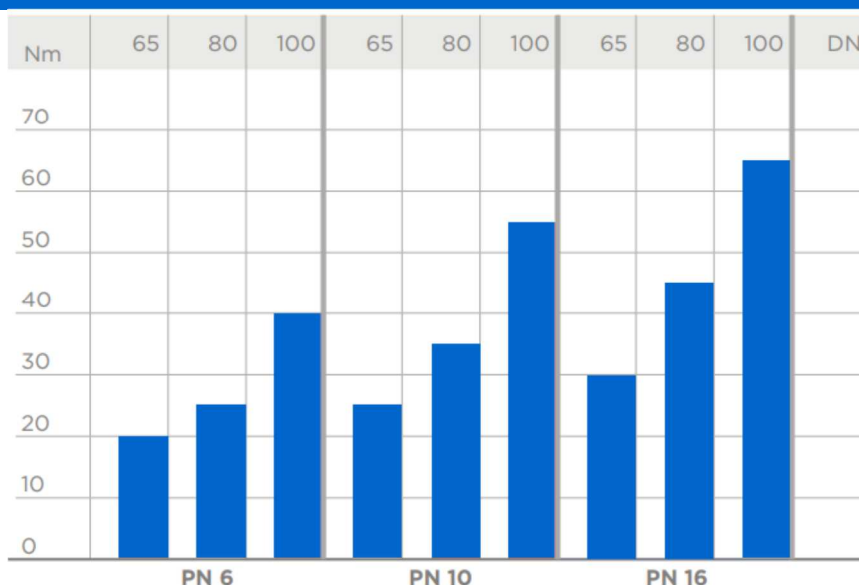
PRESSURE v TEMP



PRESSURE DROP



OPERATING TORQUE

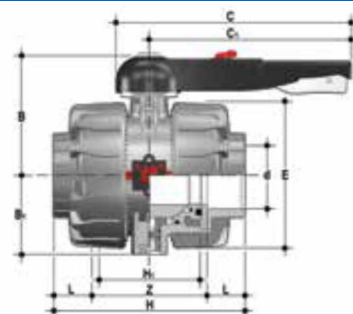


Torque at maximum working pressure.

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

DIMENSIONS

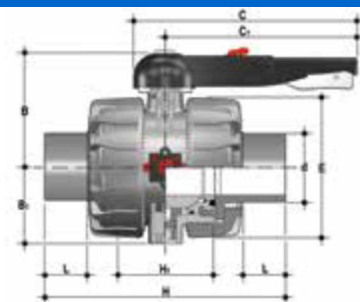
d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
75	65	16	164	87	225	175	164	235	133	44	147	4750
90	80	16	177	105	327	272	203	270	149	51	168	7838
110	100	16	195	129	385	385	238	308	167	61	186	12137





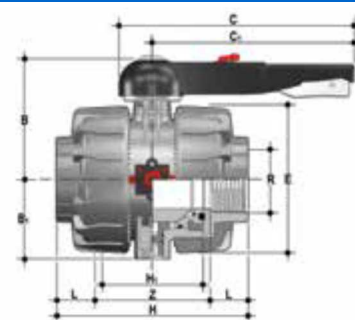
VKDDC 2-way ball valve with male ends for solvent welding, metric series

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	g
75	65	16	164	87	225	175	164	235	133	44	4789
90	80	16	177	105	327	272	203	270	149	51	7691
110	100	16	195	129	385	330	238	308	167	61	11931



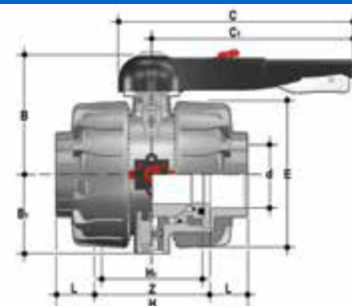
VKDFC 2-way ball valve with BSP threaded female ends

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	33.2	168.6	4769
3"	80	16	177	105	327	272	203	270	149	35.5	199	7910
4"	100	16	195	129	385	330	238	308	167	37.6	232.8	12262



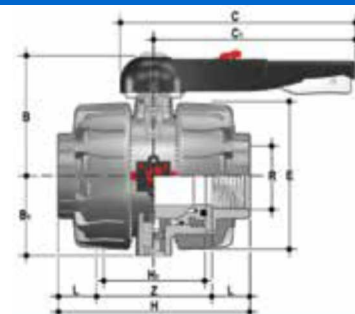
VKDAC 2-way ball valve with female ends for solvent welding, ASTM series

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	4762
3"	80	16	177	105	327	272	203	270	149	48	174	7850
4"	100	16	195	129	385	330	238	308	167	57.5	193	12222



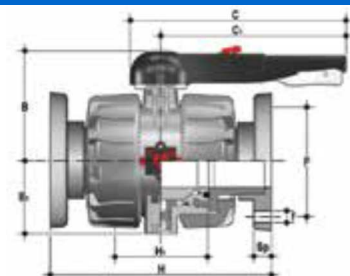
VKDNC 2-way ball valve with female ends, NPT thread

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	4769
3"	80	16	177	105	327	272	203	270	149	35.5	199	7910
4"	100	16	195	129	385	330	238	308	167	37.6	232.8	12262



VKDOC 2-way ball valve with EN/ISO/DIN PN 10/16 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	6413
90	80	16	177	105	327	272	160	17	310	149	21.5	8	9669
110	100	16	195	129	385	330	180	17	350	167	21.5	8	14697



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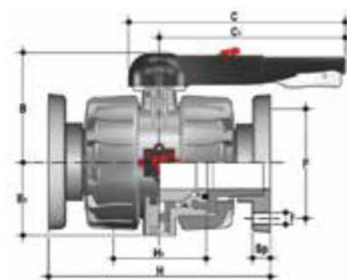


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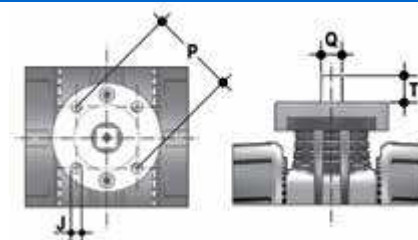
d	DN	PN	B	B	C	G	F	f	H	H	Sp	U	g
2½"	65	16	164	87	225	175	139.7	18	290	133	21	4	6413
3"	80	16	177	105	327	272	152.4	18	310	149	21.5	8	9669
4"	100	16	195	129	385	330	190.5	18	350	167	21.5	8	14697



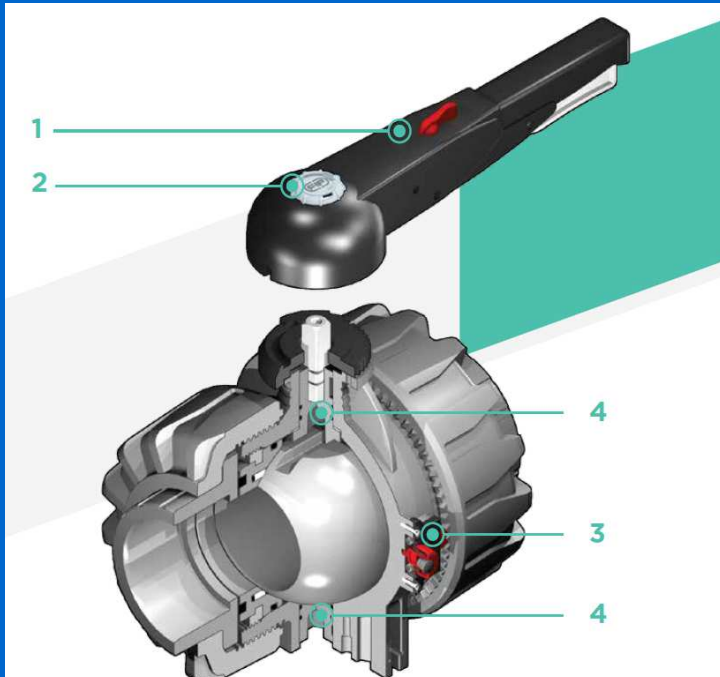
d	DN	PN	L	SDR
75	65	16	111	11
90	80	16	118	11
110	100	16	132	11



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.



- 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