



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

Suitable Applications & Approvals:



VKD DN65/100 PP-H

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 ÷ 100 °C
Coupling Standards	Solvent welding: EN ISO 15494. Can be coupled to pipes according to EN ISO 15494 Thread: ISO 228-1, DIN 2999 Flanging system: ISO 7005-1, EN ISO 1092-1, EN ISO 15494 EN 558-1, DIN 2501, ANSI B.16.5 cl.150
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	PP-H
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.

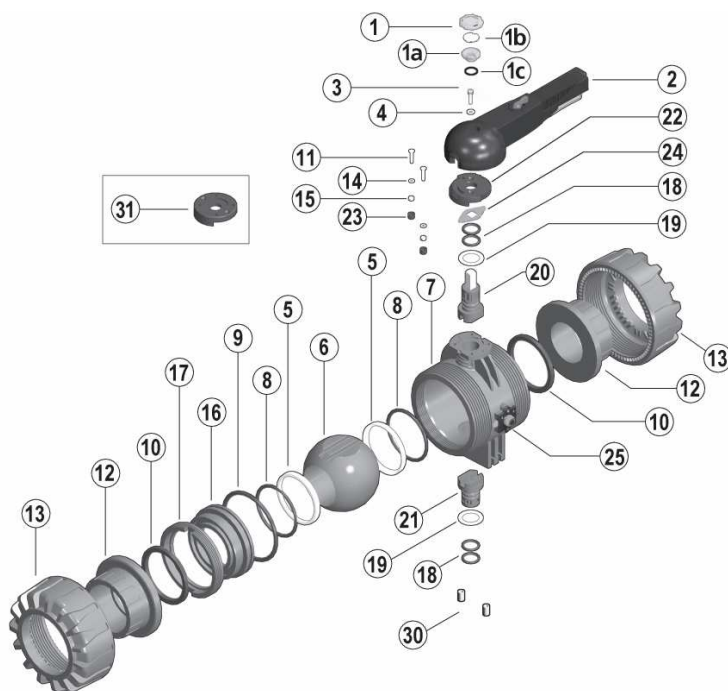
TECHNICAL SPECIFICATIONS



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Part	Component	Material
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	PP-H
7	Body	PP-H
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	PP-H
13	Union nut	PP-H
14	Washer	Stainless steel
15	Nut	Stainless steel
16	Support for ball seat	PP-H
17	Stop ring	PP-H
18	Stem O-ring	EPDM / FPM
19	Friction reducing bush	PTFE
20	Upper stem	PVC-U * / Stainless steel
21	Lower stem	PP-H
22	Pad	PP-GR
23	Protection cap	PE
24	Position Indicator	PA
25	Nut block	PP-GR
30	Bracketing bush	Brass
31	Actuation adapter	PP-GR



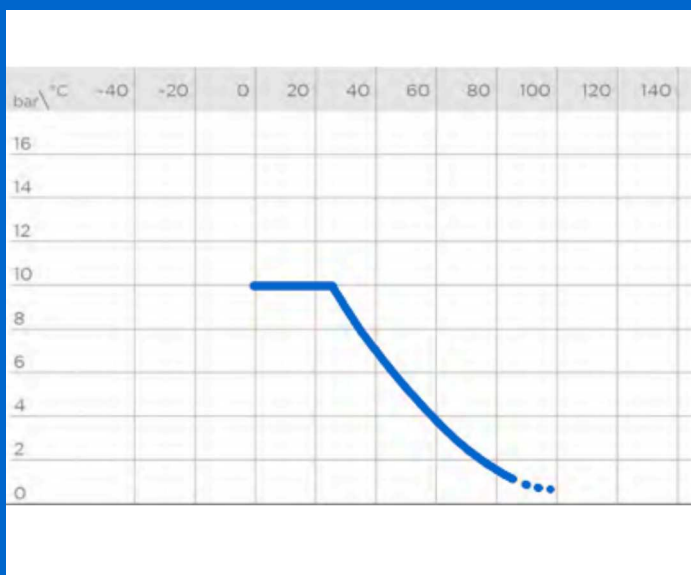
DN	65	80	100
Kv100 l/min	5250	7100	9500

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.

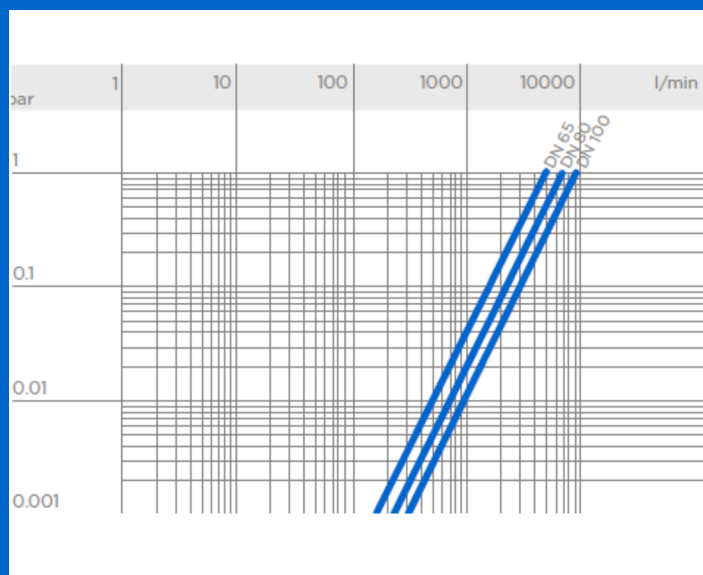
*The Kv100 values shown in the table are calculated with the valve completely open.



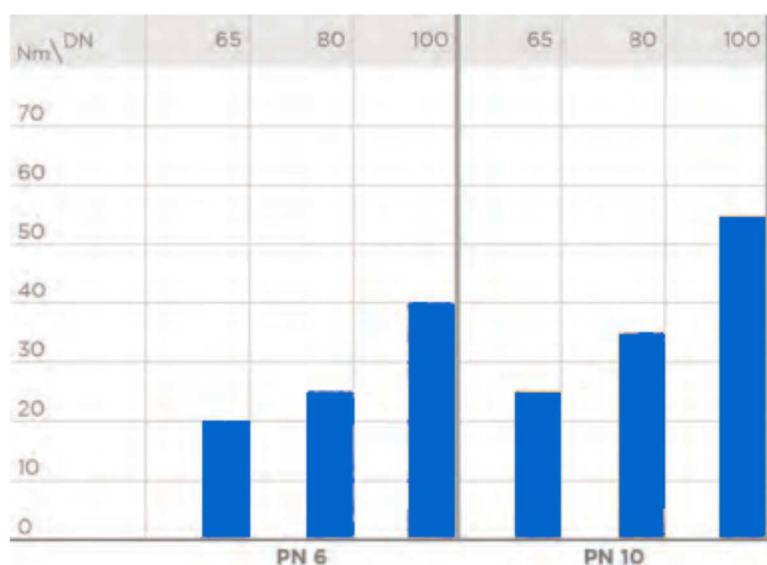
PRESSURE v TEMP



PRESSURE DROP



OPERATING TORQUE

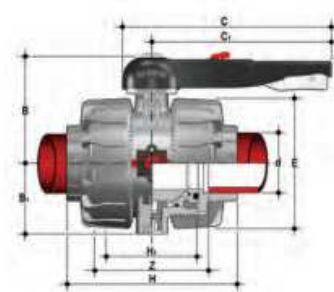


Torque at maximum working pressure.

DIMENSIONS

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

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
75	65	10	164	87	225	175	162	213	133	30	153	3090
90	80	10	177	105	327	272	202	239	149	33	173	5080
110	100	10	195	129	385	385	236	268	167	34.5	199	7725



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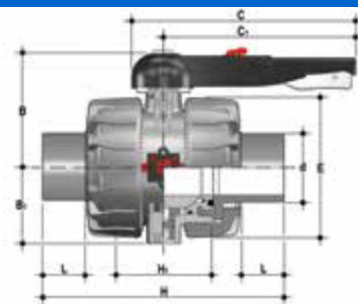
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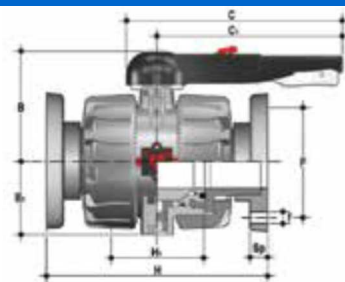
VKDDM 2-way ball valve with male ends for solvent welding, metric series

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	g
75	65	10	164	87	225	175	162	284	133	44	3190
90	80	10	177	105	327	272	202	300	149	51	5280
110	100	10	195	129	385	330	236	340	167	61	8010



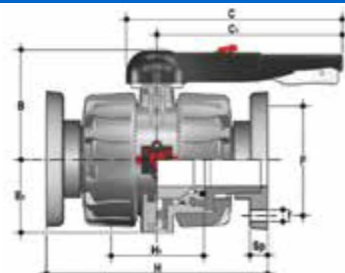
VKDOM 2-way ball valve with EN/ISO/DIN PN10/16 fixed flanges, Face to face according to EN 558-1

d	DN	PN	B	B ₁	C	G	F	f	H	H ₁	Sp	U	g
75	65	10	164	87	225	175	145	17	290	133	21	4	4500
90	80	10	177	105	327	272	160	17	310	149	21.5	8	6455
110	100	10	195	129	385	330	180	17	350	167	21.5	8	9090



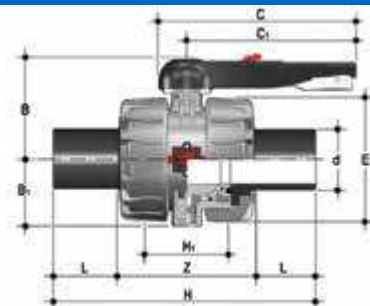
VKDOAM 2-way ball valve with fixed flange, drilled ANSI B16.5 cl.150#FF

d	DN	PN	B	B ₁	C	G	F	f	H	H ₁	Sp	U	g
2½"	65	10	164	87	225	175	139.7	18	290	133	21	4	4500
3"	80	10	177	105	327	272	152.4	18	310	149	21.5	8	6455
4"	100	10	195	129	385	330	190.5	18	350	167	21.5	8	9090



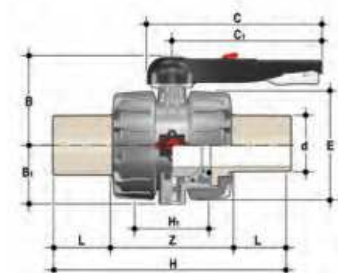
VKDBEM 2-way ball valve with PE100 SDR 11 male end connectors for butt welding or electrofusion (CVDE)

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
75	65	10	164	87	225	175	162	356	133	71	214	3100
90	80	10	177	105	327	272	202	390	149	88	214	5180
110	100	10	195	129	385	330	236	431	167	92	247	7800



VKDBM DUAL BLOCK® 2-way ball valve with long spigot male ends in PP-H SDR 11 for butt welding or electrofusion (CVDM)

d	DN	PN	B	B ₁	C	G	E	H	H ₁	L	Z	g
75	65	10	164	87	225	175	162	356	133	71	214	3150
90	80	10	177	105	327	272	202	390	149	88	214	5240
110	100	10	195	129	385	330	236	431	167	92	247	7970



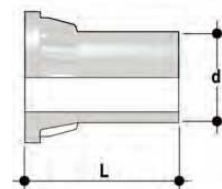
CVDE Long spigot PE100 end connectors for joints with electrofusion fittings or for butt welding

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



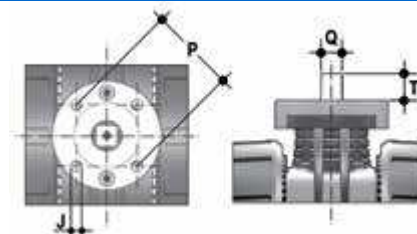
CVDE Long spigot PE100 end connectors for joints with electrofusion fittings or for butt welding

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



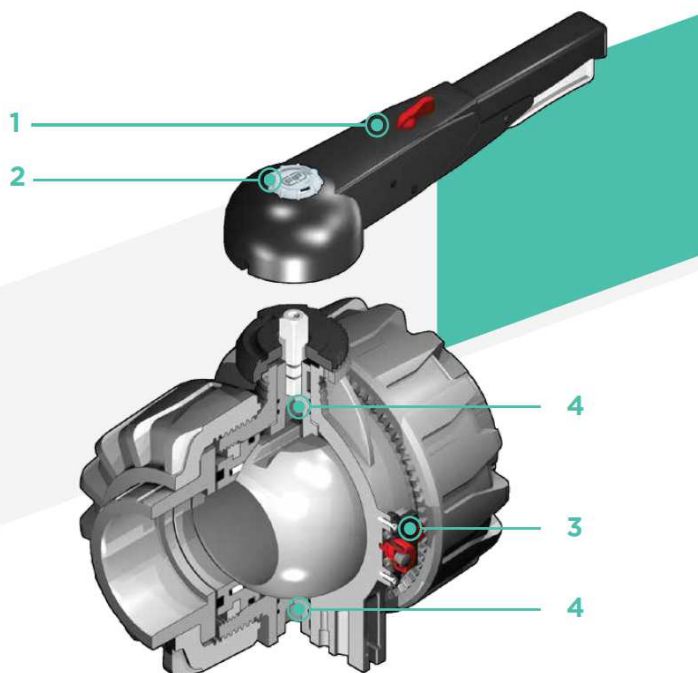
ACTUATOR MOUNTING FLANGE Actuator mounting kit for FIP VKD & TKD ball valves

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

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