

 Aliaxis



**VXE DN 65÷100**

PVC-C

Easyfit 2-way ball valve

# VXE DN 65÷100

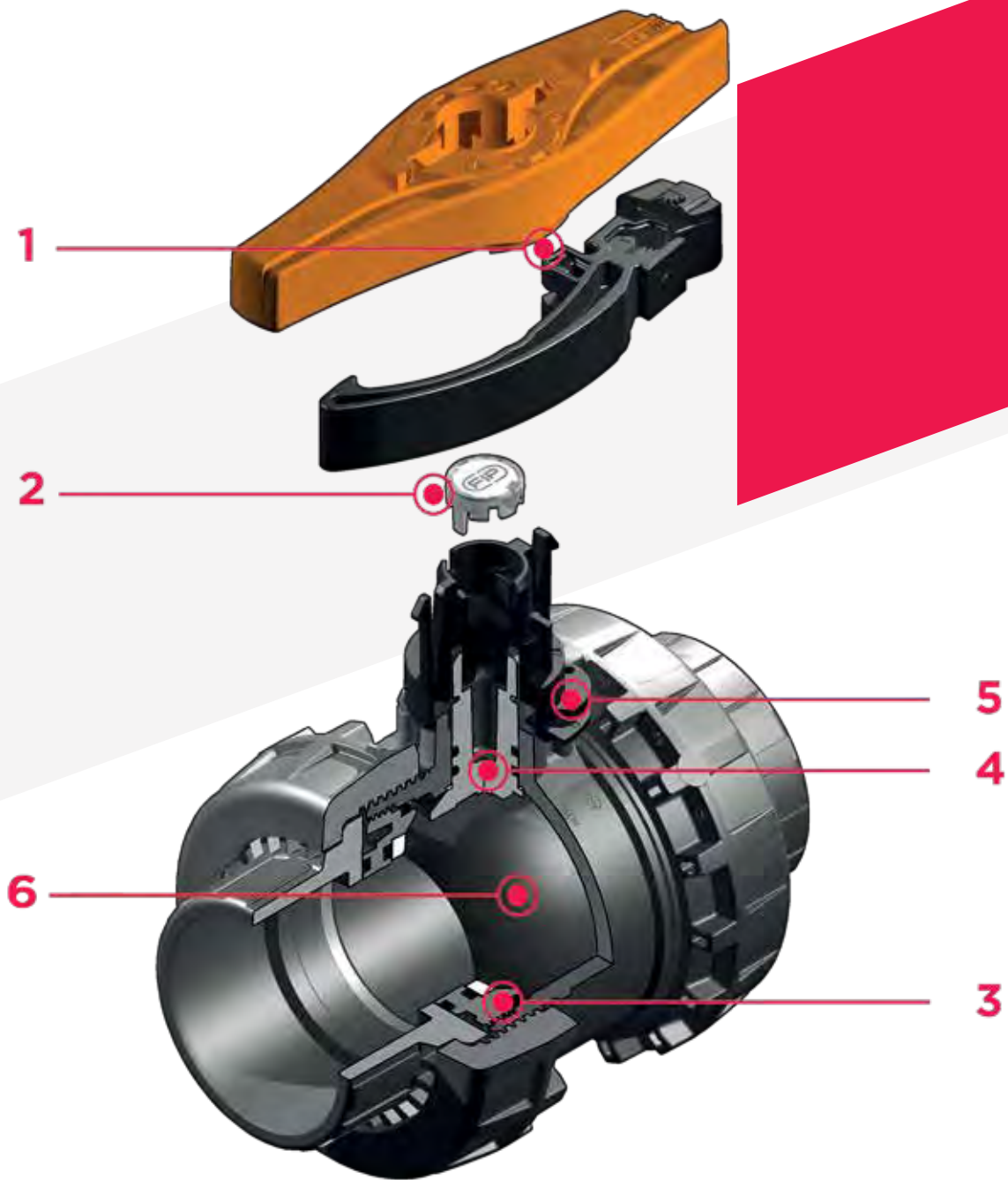
FIP and Giugiaro Design designed and developed VXE Easyfit, the innovative True union ball valve with union nut tightening control system that permits simple and safe installation for reliable service in time. This valve is also equipped with the customisable Labelling System.



## EASYFIT 2-WAY BALL VALVE

- **Patented Easyfit system:** innovative mechanism based on the multifunctional handle quick release mechanism that permits union nut rotation during valve installation and ball seat carrier adjustment
- Connection system for solvent weld and threaded joints
- **Valve material compatibility** (PVC-C) and elastomer **seal elements** (EPDM or FKM), with water, drinking water and other food substances as per **current regulations**
- Easy radial disassembly allowing quick replacement of O-rings and ball seats without any need for tools
- **PN16 True Union valve body** made for PVC-C injection moulding and European Directive 2014/68/EU (PED) compliant for pressurised equipment. ISO 9393 compliant test requirements
- Valve body with built in anchoring frame for the special **Power Quick module** dedicated to accessory or pneumatic and electric actuator installation
- Option of disassembling downstream pipes with the valve in the closed position
- Floating **full bore ball** with high surface finish made in CNC work stations to achieve precise dimensional tolerance and high surface finish

Technical specifications	
<b>Construction</b>	Easyfit 2-way True Union ball valve with locked carrier
<b>Size range</b>	DN 65 ÷ 100
<b>Nominal pressure</b>	PN 16 with water at 20° C
<b>Temperature range</b>	0 °C ÷ 60 °C
<b>Coupling standards</b>	<p><b>Solvent welding:</b> EN ISO 15493, ASTM F 439. Can be coupled to pipes according to EN ISO 15493, ASTM F 441</p> <p><b>Thread:</b> ISO 228-1, DIN 2999, ASTM F 437</p> <p><b>Flanging system:</b> ISO 7005-1, EN ISO 15493, EN 558-1, DIN 2501, ANSI B.16.5 cl. 150, JIS B 2220</p>
<b>Reference standards</b>	<p><b>Construction criteria:</b> EN ISO 16135, EN ISO 15493</p> <p><b>Test methods and requirements:</b> ISO 9393</p> <p><b>Installation criteria:</b> DVS 2204, DVS 2221, UNI 11242</p> <p><b>Actuator couplings:</b> ISO 5211</p>
<b>Seal material</b>	EPDM, FKM (standard size O-Ring); PTFE (ball seats)
<b>Valve material</b>	PVC-C
<b>Control options</b>	Manual control, electric actuator, pneumatic actuator



**1 Innovative Easyfit quick release handle** made up of a central hub firmly coupled with the stem valve and **dual spoke grip** that can be released from the hub with a simple operation and used as a **ball seat adjustment tool** and as a **union nut tightening tool** thanks to the hooked insert that, perfectly adapting to their external profile, allows the handle to transform into a wrench to control union nut rotation

**2 Customisable Labelling System: built-in LCE module** in the hub made up of transparent protection plug and customisable tag holder using the LSE set (available as accessory). The customisation potential lets you **identify the valve on the system** according to specific needs

**3 PTFE ball seat system with locked carrier** adjustable via the Easyfit quick release handle

**4 Stem** with high surface finish and **double O-Ring** and **PTFE antifriction disk** that limits friction to a minimum and grants excellent operating torque

**5 Locking device** in closing and opening via lock

**6 Machined high surface finish ball** that guarantees a smooth operation and increased reliability.

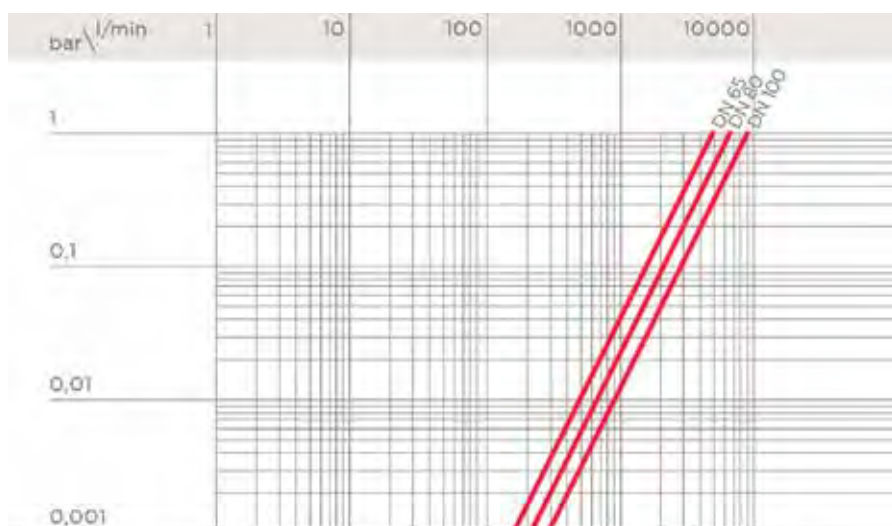
# TECHNICAL DATA

## PRESSURE VARIATION ACCORDING TO TEMPERATURE

For water and harmless fluids to which the material is classified as CHEMICALLY RESISTANT. In other cases, a reduction of the nominal PN pressure is required (25 years with safety factor).



## PRESSURE DROP GRAPH

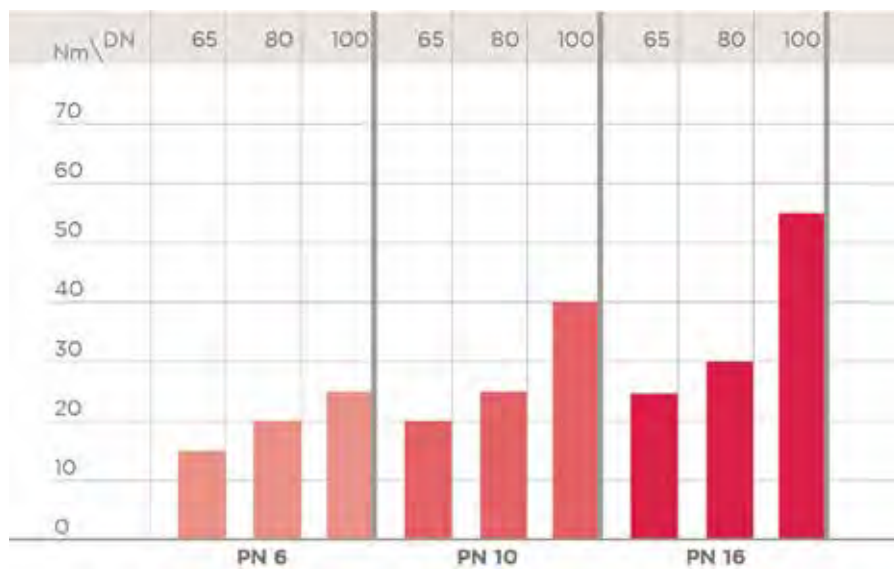


## K<sub>v</sub>100 FLOW COEFFICIENT

The K<sub>v</sub>100 flow coefficient is the Q flow rate of litres per minute of water at a temperature of 20°C that will generate Δp= 1 bar pressure drop at a certain valve position. The K<sub>v</sub>100 values shown in the table are calculated with the valve completely open.

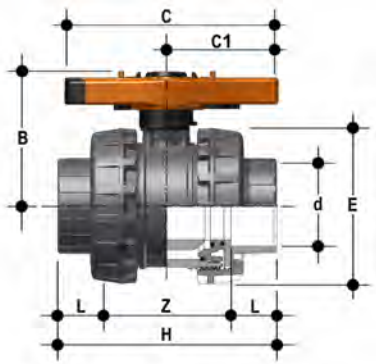
DN	65	80	100
K <sub>v</sub> 100 l/min	5000	7000	9400

## OPERATING TORQUE AT MAXIMUM WORKING PRESSURE



The information in this leaflet is provided in good faith. No liability will be accepted concerning technical data that is not directly covered by recognised international standards. FIP reserves the right to carry out any modification. Products must be installed and maintained by qualified personnel.

# DIMENSIONS



## VXEIC

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

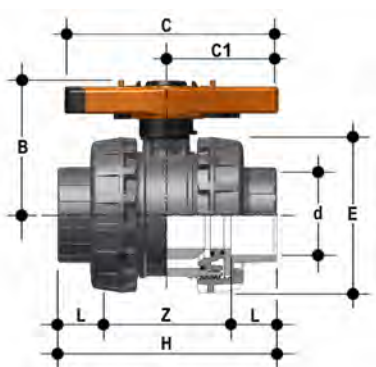
d	DN	PN	B	C	C <sub>1</sub>	E	H	L	Z	g	EPDM code	FKM code
75	65	16	142	214	115	157	211	44	123	2998	VXEIC075E	VXEIC075F
90	80	16	151	239	126	174	248	51	146	3741	VXEIC090E	VXEIC090F
110	100	16	174,5	270	145	212	283	61	161	6337	VXEIC110E	VXEIC110F



## VXEFC

Easyfit 2-way ball valve with BSP threaded female ends

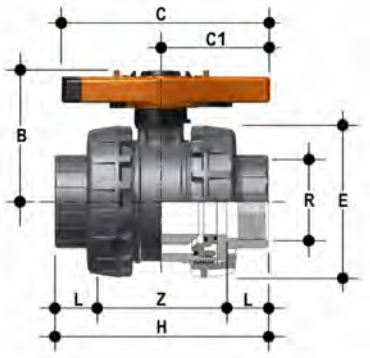
R	DN	PN	B	C	C <sub>1</sub>	E	H	L	Z	g	EPDM code	FKM code
2"1/2	65	16	142	214	115	157	211	30,2	150,6	2998	VXEFC212E	VXEFC212F
3"	80	16	151	239	126	174	248	33,3	181,4	3741	VXEFC300E	VXEFC300F
4"	100	16	174,5	270	145	212	283	39,3	204,4	6337	VXEFC400E	VXEFC400F



## VXEAC

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

d	DN	PN	B	C	C <sub>1</sub>	E	H	L	Z	g	EPDM code	FKM code
2"1/2	65	16	142	214	115	157	211	44,5	122	2998	VXEAC212E	VXEAC212F
3"	80	16	151	239	126	174	248	48	152	3741	VXEAC300E	VXEAC300F
4"	100	16	174,5	270	145	212	283	57,5	168	6337	VXEAC400E	VXEAC400F



## VXENC

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

R	DN	PN	B	C	C <sub>1</sub>	E	H	L	Z	g	EPDM code	FKM code
2"1/2	65	16	142	214	115	157	211	33,2	144,6	2998	VXENC212E	VXENC212F
3"	80	16	151	239	126	174	248	35,5	177	3741	VXENC300E	VXENC300F
4"	100	16	174,5	270	145	212	283	37,6	207,8	6337	VXENC400E	VXENC400F