



## Main Features:-

- ◆ Patented Easyfit system that controls union nut rotation
- ◆ Connection for solvent weld, threaded and flanged joints
- ◆ PN16 True-Union Valve body manufactured in ISO9393 PVC-U
- ◆ Floating full bore ball with a high quality surface finish
- ◆ PVC-U and EPDM or FPM for compliance with water, drinking water and other food substances regulations

Suitable Applications & Approvals:



VXE DN 65/100 uPVC

EU MANUFACTURER:

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

## TECHNICAL SPECIFICATIONS

|                       |                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction          | Easyfit 2-way True Union ball valve with locked carrier.                                                                                                                                                                                                                                     |
| Size Range            | DN 10 ÷ 50                                                                                                                                                                                                                                                                                   |
| Nominal Pressure      | PN 16 with water at 20 °C                                                                                                                                                                                                                                                                    |
| Operating Temperature | 0 °C ÷ 60 °C                                                                                                                                                                                                                                                                                 |
| Coupling Standards    | <b>Solvent welding:</b> EN ISO 1452, EN ISO 15493, BS 4346-1, DIN 8063, NF T54-028, ASTM D 2467, JIS K 6743. Pipe coupling capacity according to EN ISO 1452, EN ISO 15493, DIN 8062, NF T54-016, ASTM D 1785, JIS K 6741<br><br><b>Thread:</b> ISO 228-1, DIN 2999, ASTM D 2467, JIS B 0203 |
| Reference Standards   | <b>Construction criteria:</b> EN ISO 16135, EN ISO 1452, EN ISO 15493<br><br><b>Test methods and requirements:</b> ISO 9393<br><br><b>Installation criteria:</b> DVS 2204, DVS 2221, UNI 11242                                                                                               |
| Valve Material        | PVC-U                                                                                                                                                                                                                                                                                        |
| Seal Material         | EPDM, FPM (standard size O-Ring); PTFE (ball seats)                                                                                                                                                                                                                                          |

*This product is NOT compatible for mounting with standard pneumatic or electric actuators that use standard ISO5211 profiles.*

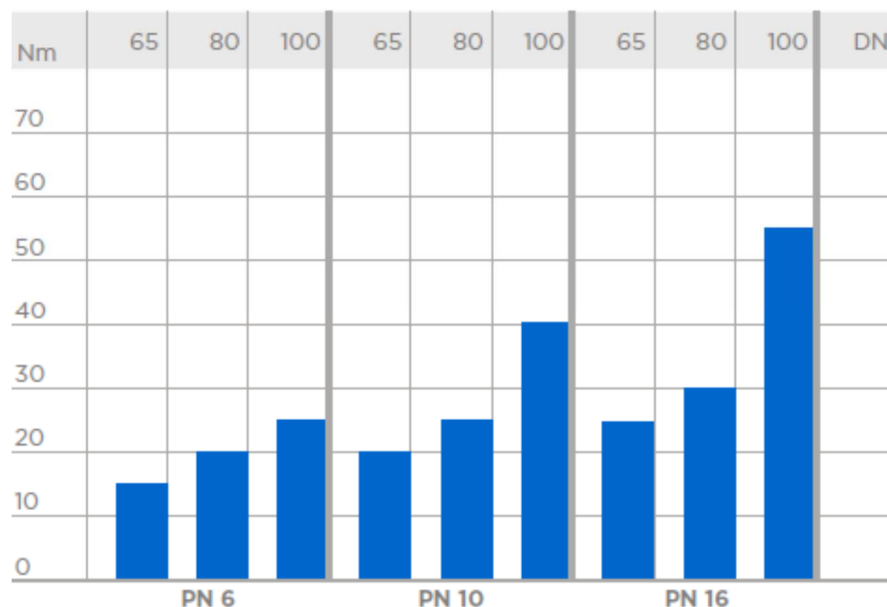


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## OPERATING TORQUE

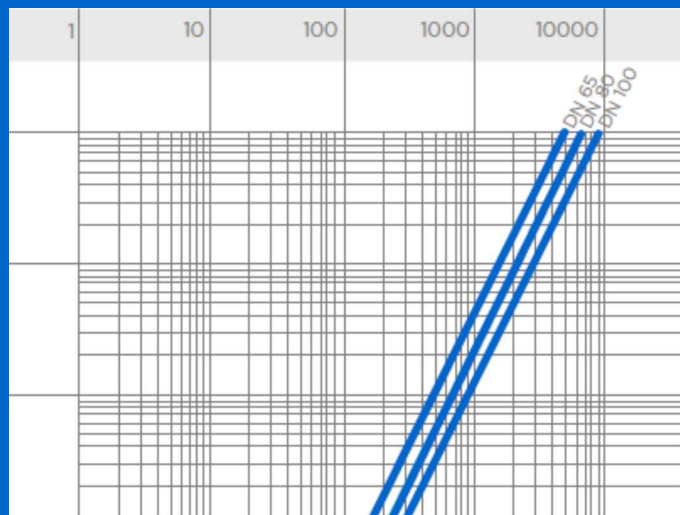


\*at max. working pressure

## PRESSURE v TEMP



## PRESSURE DROP



## FLOW

| DN          | 65   | 80   | 100  |
|-------------|------|------|------|
| Kv100 l/min | 5000 | 7000 | 9400 |

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.



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

| d   | DN  | PN | B     | C   | G   | E   | H   | L  | Z   | g    |
|-----|-----|----|-------|-----|-----|-----|-----|----|-----|------|
| 75  | 65  | 16 | 142   | 214 | 115 | 157 | 211 | 44 | 123 | 2750 |
| 90  | 80  | 16 | 151   | 239 | 126 | 174 | 248 | 51 | 146 | 3432 |
| 110 | 100 | 16 | 174.5 | 270 | 145 | 212 | 283 | 61 | 161 | 5814 |



## VXEIV Easyfit 2-way ball valve with BSP threaded female ends

| d   | DN  | PN | B     | C   | G   | E   | H   | L    | Z     | g    |
|-----|-----|----|-------|-----|-----|-----|-----|------|-------|------|
| 2½" | 65  | 16 | 142   | 214 | 115 | 157 | 211 | 30.2 | 150.6 | 2750 |
| 3"  | 80  | 16 | 151   | 239 | 126 | 174 | 248 | 33.3 | 181.4 | 3432 |
| 4"  | 100 | 16 | 174.5 | 270 | 145 | 212 | 283 | 39.3 | 204.4 | 5814 |



## VXELV Easyfit 2-way ball valve with female ends for solvent welding, BS series

| d   | DN  | PN | B     | C   | G   | E   | H   | L  | Z   | g    |
|-----|-----|----|-------|-----|-----|-----|-----|----|-----|------|
| 2½" | 65  | 16 | 142   | 214 | 115 | 157 | 211 | 44 | 123 | 2750 |
| 3"  | 80  | 16 | 151   | 239 | 126 | 174 | 248 | 51 | 146 | 3432 |
| 4"  | 100 | 16 | 174.5 | 270 | 145 | 212 | 283 | 63 | 157 | 5814 |



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

| d   | DN  | PN | B     | C   | G   | E   | H   | L    | Z   | g    |
|-----|-----|----|-------|-----|-----|-----|-----|------|-----|------|
| 2½" | 65  | 16 | 142   | 214 | 115 | 157 | 211 | 44.5 | 122 | 2750 |
| 3"  | 80  | 16 | 151   | 239 | 126 | 174 | 248 | 48   | 152 | 3432 |
| 4"  | 100 | 16 | 174.5 | 270 | 145 | 212 | 283 | 57.5 | 168 | 5814 |



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

| d   | DN  | PN | B     | C   | G   | E   | H   | L    | Z     | g    |
|-----|-----|----|-------|-----|-----|-----|-----|------|-------|------|
| 2½" | 65  | 16 | 142   | 214 | 115 | 157 | 211 | 33.2 | 144.6 | 2750 |
| 3"  | 80  | 16 | 151   | 239 | 126 | 174 | 248 | 35.5 | 177   | 3432 |
| 4"  | 100 | 16 | 174.5 | 270 | 145 | 212 | 283 | 37.6 | 207.8 | 5814 |



## VXEJV Easyfit 2-way ball valve with female ends for solvent welding, JIS series

| d   | DN  | PN | B     | C   | G   | E   | H   | L    | Z   | g    |
|-----|-----|----|-------|-----|-----|-----|-----|------|-----|------|
| 2½" | 65  | 16 | 142   | 214 | 115 | 157 | 243 | 61   | 121 | 2750 |
| 3"  | 80  | 16 | 151   | 239 | 126 | 174 | 272 | 64.5 | 143 | 3432 |
| 4"  | 100 | 16 | 174.5 | 270 | 145 | 212 | 332 | 84   | 164 | 5814 |





## VXEGV Easyfit 2-way valve with female ends, JIS thread

| d   | DN  | PN | B     | C   | G   | E   | H   | L  | Z   | g    |
|-----|-----|----|-------|-----|-----|-----|-----|----|-----|------|
| 2½" | 65  | 16 | 142   | 214 | 115 | 157 | 211 | 35 | 141 | 2750 |
| 3"  | 80  | 16 | 151   | 239 | 126 | 174 | 248 | 40 | 168 | 3432 |
| 4"  | 100 | 16 | 174.5 | 270 | 145 | 212 | 283 | 45 | 193 | 5814 |



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

| d   | DN  | PN | B     | C   | G   | E   | H   | L  | Z   | g    |
|-----|-----|----|-------|-----|-----|-----|-----|----|-----|------|
| 75  | 65  | 16 | 141.5 | 214 | 115 | 157 | 331 | 71 | 189 | 2286 |
| 90  | 80  | 10 | 151   | 239 | 126 | 174 | 367 | 88 | 191 | 3059 |
| 110 | 100 | 10 | 174.5 | 270 | 145 | 212 | 407 | 92 | 223 | 5473 |



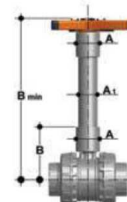
## CVDE Long spigot PE100 end connectors for joints with electrofusion fittings or for butt welding

| d   | DN  | PN | L   | SDR |
|-----|-----|----|-----|-----|
| 75  | 65  | 16 | 111 | 11  |
| 90  | 80  | 16 | 118 | 11  |
| 110 | 100 | 16 | 127 | 11  |



## PSE Stem extension

|     | d   | DN  | A  | A <sub>1</sub> | B   | B <sub>min</sub> |
|-----|-----|-----|----|----------------|-----|------------------|
| 75  | 2½" | 65  | 76 | 63             | 159 | 364              |
| 90  | 3"  | 80  | 76 | 63             | 166 | 371              |
| 110 | 4"  | 100 | 76 | 63             | 186 | 433              |



## LCE Transparent protection plug with tag holder

| d   | DN  |
|-----|-----|
| 75  | 65  |
| 90  | 80  |
| 110 | 100 |



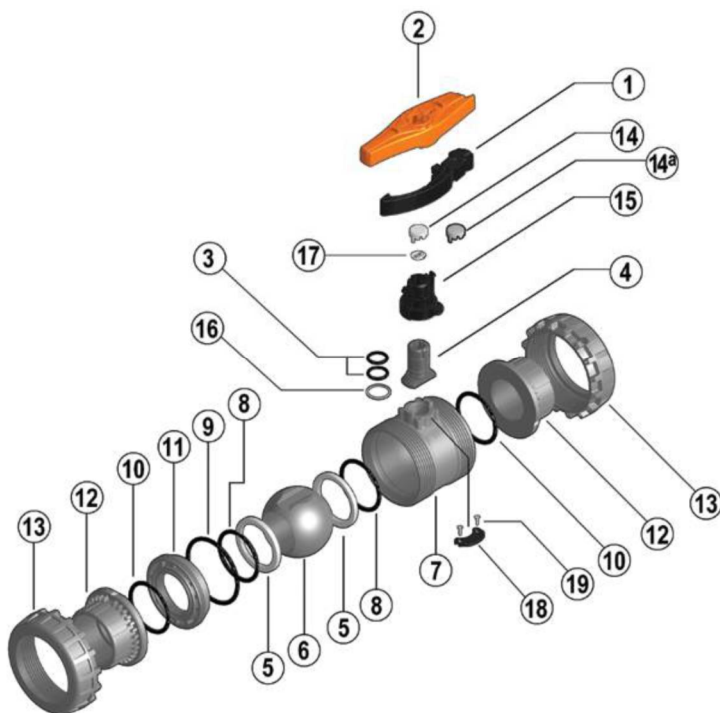
## LSE Customisation and label printing set for Easyfit handle made up of precut adhesive sheets and software for guided label creation.

| d   | DN  |
|-----|-----|
| 75  | 65  |
| 90  | 80  |
| 110 | 100 |





| Part | Component                | Material        |
|------|--------------------------|-----------------|
| 1    | Handle insert            | PP-GR           |
| 2    | Multifunctional handle   | HIPVC           |
| 3    | Stem O-Ring              | FPM / EPDM      |
| 4    | Stem                     | PVC-U           |
| 5    | Ball seat                | PTFE, PE        |
| 6    | Ball                     | PVC-U           |
| 7    | Body                     | PVC-U           |
| 8    | Ball seat O-Ring         | FPM / EPDM      |
| 9    | Radial seal O-Ring       | FPM / EPDM      |
| 10   | Socket seal O-Ring       | FPM / EPDM      |
| 11   | Ball seat carrier        | PVC-U           |
| 12   | End connector            | PVC-U           |
| 13   | Union nut                | PVC-U           |
| 14   | Protection plug          | PVC             |
| 14a  | protection plug (VXE-PE) | PVC             |
| 15   | Central hub              | HIPVC           |
| 16   | Anti-friction disk       | PTFE            |
| 17   | Tag holder               | PVC-U           |
| 18   | Locking device plate     | HIPVC           |
| 19   | Self-tapping screw       | Stainless Steel |



uPVC 3 WAY VALVES AVAILABLE - SEE TKD SERIES

