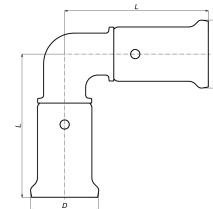


## 1PK-4040: Elbow 90° 40x40



### Commercial information

PVDF press fittings in combination with multilayer pipe, a completely corrosion-free system. The synthetic press fittings are made from injection moulded PVDF (Polyvinylidene fluoride)\*. PVDF offers the user a unique combination of properties:

- Highly resistant to pressure and temperature
- Excellent mechanical strength
- Extreme flexibility: bending up to 10° is possible
- Perfectly suited for drinking water and food
- Highly resistant to chemicals and corrosion
- Embedding is possible without extra protection

#### Basic unit dimensions

|            |          |
|------------|----------|
| Height     | 47 mm    |
| Length     | 98 mm    |
| Width      | 98 mm    |
| Net weight | 0.172 kg |

#### Certificates

ATG, QB (CSTBat), DVGW Wasser, ETA, KIWA, ÖVGW Wasser, SINTEF, WRAS, KOMO, STF, ÖN EN 21003-2/-3, GOST-R, ITC, TSU, AFNOR, PZH, ACS, DNV-GL, Aenor, Sans 21003, RISE, EMI

#### Applications

Potable water, Heating, Compressed air, Cooling, Demi Water, Sanitary

#### Solutions

Building installations, Industry, Utility, Shipbuilding

## Technical characteristics

|                                    |  |  |                        |
|------------------------------------|--|--|------------------------|
| Material connection 1              | Polyvinylidene fluoride (PVDF)                 | Bend radius  | 20 Millimetre          |
| Material quality connection 1      | Polyvinylidene fluoride (PVDF) (expired)       | Outer pipe diameter connection 1                   | 40 Millimetre          |
| Surface protection connection 1    | Untreated                                      | Wall thickness, connection 1                       | 0.9 Millimetre         |
| Surface treatment connection 1     | Untreated                                      | Outer pipe diameter connection 2                   | 40 Millimetre          |
| Material connection 2              | Polyvinylidene fluoride (PVDF)                 | Wall thickness, connection 2                       | 0.9 Millimetre         |
| Material quality connection 2      | Polyvinylidene fluoride (PVDF) (expired)       | Zeta value   | 1.865                  |
| Surface protection connection 2    | Untreated                                      | Length   | 98 Millimetre          |
| Surface treatment connection 2     | Untreated                                      | Length of connection 1                             | 75 Millimetre          |
| Shape                              | Bend   | Working length connection 1                        | 36 Millimetre          |
| Reducing                           | ✗  | Length of connection 2                             | 75 Millimetre          |
| Eccentric                          | ✗  | Working length connection 2                        | 36 Millimetre          |
| System specific                    | ✓  | Wrench width                                       | 0 Millimetre           |
| Nominal diameter connection 1      | DN 32  | Wrench width union nut                             | 0 Millimetre           |
| Connection 1                       | Press sleeve                                   | Tightening torque                                  | 0 0 Newtonmetre        |
| Contour code connection 1          | BE   | Medium temperature (continuous)                    | -10 70 Degrees celsius |
| Nominal diameter connection 2      | DN 32  | Max. operating pressure at 20 °C                   | 10 Bar                 |
| Connection 2                       | Press sleeve                                   | Max. operating pressure at max. medium temperature | 10 Bar                 |
| Contour code connection 2          | BE   | Standard Dimension Ratio (SDR)                     | 0                      |
| Main colour fitting                | Black  |  |                        |
| Flange compression class           | Other  |  |                        |
| Material sealing                   | Ethylene-propylene diene monomer rubber (EPDM) |  |                        |
| With buffer stud                   | ✓  |  |                        |
| High tensile strength              | ✗  |  |                        |
| With thermal insulation            | ✗  |  |                        |
| Ring stiffness class               | Other  |  |                        |
| With sealing rings/gaskets         | ✓  |  |                        |
| Capped                             | ✗  |  |                        |
| With connection indicator          | ✗  |  |                        |
| With drain valve                   | ✗  |  |                        |
| With de-aerator                    | ✗  |  |                        |
| FM quality mark                    | ✗  |  |                        |
| LPCB quality mark                  | ✗  |  |                        |
| ULC quality mark                   | ✗  |  |                        |
| UL quality mark                    | ✗  |  |                        |
| DIN-CERTCO certificate             | ✗  |  |                        |
| VdS quality mark                   | ✗  |  |                        |
| With approval for TÜV              | ✗  |  |                        |
| DVGW quality mark for gas          | ✗  |  |                        |
| DVGW quality mark for water        | ✓  |  |                        |
| KIWA certified                     | ✓  |  |                        |
| Gastec QA mark                     | ✗  |  |                        |
| KOMO certified                     | ✓  |  |                        |
| Type approval according to BBR/EKS | ✗  |  |                        |