MOLECOR
Smart water



ECO FITTOM

Oriented PVC fittings.
Innovative solutions for water networks

PVC-O Solution

Molecor is committed to an integrated solution for pressurized water networks. **ecoFITTOM®** fittings, manufactured 100% in PVC-O with our own technology, offer a reliable alternative to the range of traditional fittings used with PVC-O pipe.

Maximum lightness

The **ecoFITTOM®** series can be installed manually up to DN315 mm and is six to twelve times lighter than products made of other materials.

100% compatibility

The **ecoFITTOM®** series is fully compatible with all types of PVC for infrastructure, such as PVC-O, PVC-U and PVC-M.

Inmunity to corrosion

ecoFITTOM® is made of PVC, a chemically inert material, immune to corrosion and to attacks by micro and macro organisms, thus guaranteeing the total quality of the water conveyed.

Tightness assured

ecoFITTOM® is supplied with high quality seals consisting of a polypropylene ring and a synthetic rubber lip that form an integral part of the fitting, preventing displacement during installation and ensuring tightness.

Hydraulic efficiency

The low internal roughness of **ecoFITTOM®** and the smoothness of the bends contribute to reduce the pressure losses of the transported fluid.



Geolocate and traceability

geoTOM®, the new app of **Molecor**, offers a complete traceability of each **ecoFITTOM®** product and allows to geolocate the pieces which have been installed in a network in an easy and quick way.

Discover GEOTOM through this QR:

The widest range of PVC-O fittings

Molecor offers the widest range of PVC-O fittings available on the market, both in diameters and pressures.



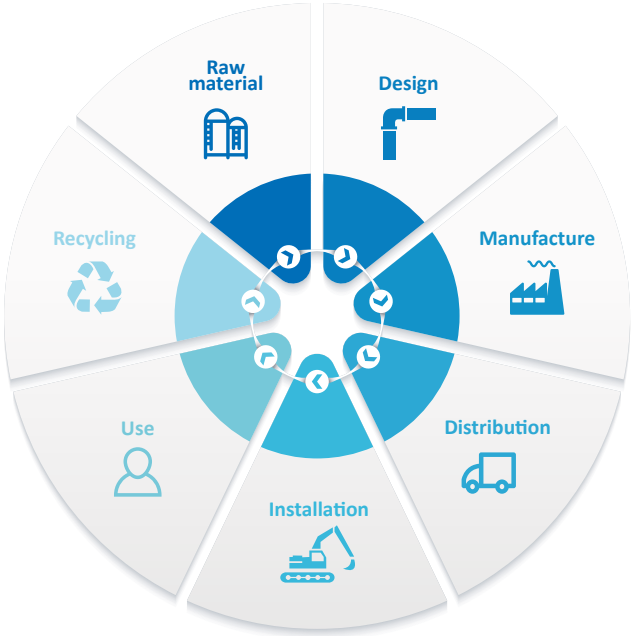
	Nominal Diameter (mm)	Nominal Pressure (bar)
Socketed bend 11,25°/22,5°/45°/90°	90(*) 110 125 140 160 200 225 250 315 400	PN16
Socketed reducer	110/90 125/110 140/110 160/110 160/140 200/160 225/160 225/200 250/200 315/250 400/315	PN16
Coupler	110 125 140 160 200 225 250 315 400	PN16
Sliding coupler	90 110 125 140 160 200 225 250 315 400 500	PN16

(*) Available Socketed bend 22,5°/45°

The most sustainable solution

One of the pillars on which **Molecor's** activity is based is the commitment to the environment, with eco-design being the fundamental criteria for the conception and development of our products and molecular oriented technologies.

The commitment to the environment in the production of **ecoFITTOM® PVC-O fittings** is based on the following principles:



- **Sustainability:** More than 50% of PVC is made from a derivative of common salt, which contributes significantly to the saving of non-renewable resources such as oil or gas.
- **Durability:** The hydrostatic resistance of **ecoFITTOM® fittings** guarantees better mechanical properties over time, resulting in a service life of more than 100 years.
- **Recyclability:** PVC is a 100% recyclable material that can be milled and reprocessed, not only for the manufacture of new fittings or pipes, but also for the manufacture of wiring, profiles, urban elements, etc.
- **Environmental Impact: Molecor** has assessed the environmental impact of **ecoFITTOM®** and **TOM®** in all phases of their life cycle from cradle to grave. This analysis of the lifecycle (LCA) value has been developed according to ISO 14040 and ISO 14044 standards.



Worldwide projects



DN: 160-400mm
PN: 16 bar

Piura, **Peru**

2020

Creation of the drinking water and sewerage service for the district of Paita.



DN: 200mm
PN: 16 bar

Huesca, **Spain**

2018

Irrigation modernization project for the Zaidín Irrigation Community.



DN: 400mm
PN: 16 bar

Fully, **Switzerland**

2018

Pipe network for sprinkler irrigation of fruit trees.



DN: 110-400mm
PN: 16 bar

Brittany, **France**

2022

Repair of piping network of the commune Bazouge du Désert.

Quality certification

Quality, both technical and human, and commitment to the environment, are key elements in **Molecor**'s business policy and activity.

With the purpose of achieving customer satisfaction and developing processes efficiently, an Integrated Management System has been implemented based on **UNE-EN ISO 9001, UNE-EN ISO 14001** and **AENOR Product Certificates** for accessories No. 001/007103 in accordance with UNE-CEN/TS 17176-3.

The quality of **ecoFITTOM®** accessories is assured by the Aenor mark.

The latest certificates can be downloaded at www.molecor.com









WRAS APPROVED MATERIAL

ATTESTATION DE ACS CONFORMITÉ SANITAIRE

HYDROCHECK

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