

Institutional support for PVC-O pipes worldwide

Although PVC-O pipes are known since the 80's, it is during the last decade when the number of PVC-O pipe national standards released and updated worldwide substantially raised, inspired by Molecor promotion of PVC-O together with real water pipeline demands.

The general procedure to nationalize the standards that regulate PVC-O pipes for the conveyance of water is based whether in the adaptation of the international ISO 16422:2008 or the US standard ASTM 1483:05 to the local requirements. It can also occur that the PVC-O pipe product certification and recognition is issued by national Organisms based directly on the international standard, as in Ecuador, promoted by the Ecuadorian National Institute of Normalization (INEN).

Additionally, during the last years it is already been updated and revised the valid national standards, such as the South African SANS standard, that has enlarged the range of diameters and orientation classes. Furthermore, the international standard ISO 16422 is also being revised to include, among others, new markets such as DN 800 mm, motivated by the development of Molecor technology.

The Mexican National Standards Organism recently approved the national standard, NMX-E-258-CNCP-2012 for PVC-O pipes for pressured water transport. Concurrently, the national standard in Peru NTP ISO 16422:2012 was released. Nowadays there are already several countries in America with

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national PVC-O standards and regulations (USA, Canada, Colombia, Brasil, Ecuador and recently Mexico and Peru).

0.5. PVC-O standards worldwide



PVC-O pipe standards worldwide at a glance

In addition, there are national standards for PVC-O pipes in several countries worldwide, such as KSA (SASO-ISO 16422:2009), South Africa (SANS-ISO 16422:2012) or Australia (AS/NZS 441:2008), one of the regions where the PVC-O utilities are more extended.

Europe relies on several standards for PVC-O national standards (NF T 54-948: 2010 in France, UNE-ISO 16422:2008 in Spain, BSI-ISO 16422:2009 in UK), together with national certificates based on both the international ISO standard and local requirements. Moreover, there is an action plan for a consensus EN standard that combines the specific requirements of the member countries.

The rising demand of PVC-O pipes in the market leads the introduction and development of international standards to ensure the quality of the product. Every day there are more and more countries in the process to publish national standards.

Molecor, since its establishment, has supported the PVC-O pipe for the conveyance of pressured water, promoting the current standards revision for the expansion of new solutions more efficient and sustainable.

About Molecor®

Molecor, a PVC-O pipe machine construction company and PVC-O pipe manufacturer is a pioneer company specialized in the development of the latest technology applying molecular orientation to manufacture PVC-O pipeline solutions with astonishing mechanical properties. Founded in 2006, Molecor has developed an evolving process which provides reliable, efficient and user friendly PVC-O pipes that widen the pipe global business.

Molecor technology is already present in Spain, Italy, Australia, Ecuador and Colombia, and is involved in many technology transfer projects in India, Canada, USA, Saudi Arabia, South Africa, and Russia among others, as well as numerous water infrastructure projects in Europe and Africa.

Further information about Molecor can be found at www.molecor.com.
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