

New pressure device for insulating glass units  
available in Pilkington IGP

Dear Sirs,

I'm pleased to announce that the new pressure device used for insulating glass units to adapt them to the pressures prevailing at high altitudes above sea level is now available in Pilkington IGP. It allows us to extend our standard offer of insulating glass units with the units better suited to work in conditions of low atmospheric pressure.

Insulating glass units manufactured in standard conditions work well at altitudes equal or some hundred meters differ at production place. At higher altitudes low atmospheric pressure causes considerable overpressure in insulating glass units, resulting in a reduced sealant life, their convexity and in extreme cases can cause glass breakage. Because of many different thicknesses and types of glass, different sizes of glass, etc – it's not possible to point one altitude as a limit to use internal pressure adapting system. Every time calculation of internal stresses of IGU should support decision. Special care should be taken on triple glazings, much more affected, due to two times bigger volume of internal cavities.

If you would like to order such type of insulating glass units it is necessary to specify precisely, that they have to be designed for the use in mountain areas and the approximate height above sea level should be given.

There is a visual element distinguishing the glass units from the standard units. It is a hole with a diameter of 5 mm filled with light grey, rubber rotary valve located in the unit spacer frame. The aesthetic effect is very similar to the hole that can be seen in the manually argon filled insulating glass units.

Insulating glass units for the mountain applications can be offered with all types of spacer frames, with a minimum width of 10 mm.

Responsibility for the accuracy of the insulating glass unit's construction specification, depending on the dimension and terms of use (e.g. mountain area), remains unchanged i.e. it's a customer responsibility to make sure that the specification is suitable for intended use.

Pilkington IGP in relation to professional experience can always suggests appropriate technical solutions on customer request.

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