

Elgi air for PET needs

Walk around any supermarket and you will see countless examples of PET in one of its main uses - packaging. Its purity, transparency, and safety make it one of the leading materials for bottling carbonated soft drinks, mineral waters, juices, edible oils and packaging foods. So what is the driving energy for PET bottles?

Polyethylene Terephthalate (PET) is thermoplastic which softens at approx. 76°C. Above this temperature, the material becomes elastic, and can be preformed, a property utilized effectively in the PET blow molding process.

The PET bottle making process starts by loading preforms into the preheater. Preforms are dried and melt-processed resin pellets. When the preforms have made a trip through the preheater, they are loaded into the blow molder. The blow molding operation is performed by blowing compressed air into the preform. The hot preform is stretched and blown into a shaped blow mold to form a tough PET container. The blow molding system utilizes high-pressure oil-less air compressor to form quality bottles in the shortest amount of time.



ShriPET, the leading PET preform suppliers in India, has chosen Elgi's PET compressor for their new plant in Himachal Pradesh. Elgi's PET HP series delivers 38 cfm of free air at 33 bar pressure without any variations.

This new generation air compressor features many technical advances that combine to enhance operation with superior efficiency and durability, along with rugged performance in the demanding bottle-blowing environments. The uniqueness of Elgi PET is that the suction unloader is of a simpler design compared to the diaphragm type versions which require periodic maintenance. The compressor, with in-built moisture separator, is also integrated with down-the-line filters and dryers to ensure the air is completely dry and clean. ShriPET has recognized Elgi's compressed air solutions as meeting the most critical requirements of reliability and efficiency.

Elgi has made successful supplies of PET compressors to African regions like Ethiopia, Nigeria and Tanzania. With strong market acceptance in India and Africa, Elgi is poised to deliver its innovative solutions to customers in other Asian markets shortly.

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