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Compressed Air with PE 100

Malbuner hams and sausages come from Liechtenstein. The production of these delicacies requires compressed air, which is conveyed through PE pipes from Georg Fischer.



Metal butterfly valves, type 037, serve as shut-off valves in the main line.

Richard Huber has relied on PE for compressed air pipes for ten years at the Malbuner meat processing plant.

The H. Ospelt Malbuner company is a meat processing plant in Gamprin-Bendern, in the Principality of Liechtenstein. They employ approximately 1000 persons, 500 of which work in Bendern, the rest in other plants located in Sargans, Weite and Frastanz.

PE 100 is the perfect material for the foodstuffs industry

Richard Huber, technical manager for energy, installed the first PE piping for an internal air system already ten years ago. Since that time, PE 100 (S5) and ELGEF Plus for the butt and electrofusion connections have been used for most of the air and cold water pipes.

Compressed air is the main energy carrier at the Ospelt company, which means the entire operation is supplied with 8 bar compressed air. It is used for the production and packaging machines as well as for the distillation machinery.

Since some of the cleansing agents consist of aggressive media, PE has proved to be very beneficial in preventing corrosion. Unclean air or air loss are therefore a thing of the past. Another advantage of PE 100 is the individual combination of connections which are possible with tapping saddles. These can even be installed while the system is under pressure so that operation does not need to be interrupted. With tapping saddles, add-ons are also possible at any time and without a great deal of effort. Metal butterfly valves, type 037, were used in the main line (d90) and PP ball valves, type 346, for individual outlets.

Richard Huber has installed more than six kilometers of PE piping. He is completely satisfied with both the material and the jointing techniques (butt fusion and electrofusion).