

## Habonim Cryogenic Control Valves Chosen for Cryonorm's LOX Application

Habonim has been selected as the preferred vendor for cryogenic control valves in liquid a Oxygen (LOX) service facility designed by Cryonorm Projects bv for Messer in a large steel plant in Bosnia.

The valves are equipped with a unique segmented ball which controls liquid oxygen flow to an evaporator at high differential pressure and applied in a critical phase of the process, where any valve malfunction could freeze the evaporator and block off the oxygen gas flow necessary for furnace continuous operation.

This successful project is another important milestone for Habonim cryogenic line and its continuous success at Air Separation Plants for GAN, GOX, LIN, LOX and LAR.

## Habonim's MTM metal seated valves are mounted inside sampling units for new petrochemical installations

Special sampling units for different media operating a temperature of 300 to 500° C. were designed for Lurgi and Fluor by Ecozam, Habonim's distributor in Poland. Habonim Metal- seated valves made from special alloys and designed to meet these types of tough challenges, were mounted to the insulated box.



## Habonim Cryogenic Valves at Coca-Cola

Habonim cryogenic valves are now installed in a gas phase separator in a cryogenic pipeline (Nexans, Germany), being used to feed liquid nitrogen into bottling lines at the new Coca-Cola plant in Moscow.

One of the crucial conditions for proper operation is that the liquid nitrogen pipeline be free of gas phase. OOO NPO Monitoring, a leading designer and manufacturer of Cryogenic systems in Russia, supplies the automated cryogenic gas phase separator which includes the Habonim C47C cryogenic ball valve used to discharge the gas from the top of the cryogenic tank separator.

The Habonim CompAct actuator operates when nitrogen gas pressure arrives from the upper part of the separator. In the absence of pressure in the system (piping and separator), the ball valve is closed, thus prohibiting moisture from the atmosphere entering the system. When pressure increases, the valve opens and the gas form is released.



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