

PRESS RELEASE

ASCO introduces refilling system for dry ice pellets

Swiss-based ASCO Carbon Dioxide Ltd, a global provider of complete CO₂ and dry ice solutions, presents their "ASCO Refilling System ARS". The new system solution for dosing dry ice pellets from large containers into smaller packaging units is already being used by customers.

The increased awareness of dry ice as a highly efficient cooling medium, triggered by the shipment of Covid19 vaccine, led to new market requirements. The "ASCO Refilling System ARS" for dry ice pellets was worked out in cooperation with companies from the logistics industry and German development partner "JOEST".

The requirement was to dose the dry ice pellets, delivered by dry ice producers in transport containers, with a high degree of accuracy and undamaged into smaller packaging units. Here, the extremely low temperature of the product and the associated temperature difference to the environment was a particular challenge. Different transport containers in the feed, various selectable batch sizes and the intermediate storage of the crate volume had to be integrated in the system solution.

For the "ASCO Refilling System ARS", an individually adapted load handling device was designed and manufactured to hold the container, as well as a product hopper to hold the dry ice pellets. Special oscillating conveyors are used for product dosing and for bunker discharge. All cold-sensitive areas are hooded accordingly. For maximum flexibility, an extendable distribution chute is installed. The entire system is operated by an intelligent control system with dosing logic 2.0.

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ASCO Refilling System ARS

About ASCO

Swiss ASCO CARBON DIOXIDE LTD is a provider of complete CO₂ and dry ice solutions with customers worldwide. The product range includes CO₂ Production - and CO₂ Recovery Plants, Dry Ice Blasting Units, Dry Ice Production Machines, CO₂ Cylinder Filling Systems, CO₂ Vaporisers, CO₂ Storage Tanks, CO₂ Dosing Systems for Water Neutralisation and various other CO₂ and dry ice equipment. Thanks to this broad product range and more than 130 years of practical experience in the wide field of CO₂ and dry ice, customers benefit from individual, complete CO₂ solutions from a single source. Since 2007 ASCO has been part of the international industrial gas enterprise Messer Group and is its competence center for CO₂. By joining forces with the German BUSE Gastek GmbH & Co. KG, based in Bad Hönningen, in the year 2014, the expertise and product portfolio was pooled and significantly expanded. This applies in particular to the complex field of CO₂ recovery. In July 2016, the US subsidiary ASCO CARBON DIOXIDE INC (ASCO Inc.), based in Orange Park/Florida, was founded. ascoco2.com

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