

CONVAL, INC.: A MAJOR PLAYER IN UREA APPLICATIONS

Welcome to all attendees of the Nitrogen + Syngas Virtual Conference. Over the past 20 years, Conval has continued to grow our installed population in operating urea producing plants. We supply a range of globe, ball, gate, check and bellows seal valves up to 6" in size, up to 4500# pressure class, and materials including everything between 316L Urea Grade and the super-duplex alloys common to urea applications. Our new, world class manufacturing plant is located at 96 Phoenix Ave., Enfield, CT, U.S.A.



Since our inception in 1967, Conval has developed and implemented quality programs ranging from ISO 9001 to ASME N-Stamp. Our valves are designed by an experienced team of engineers in accordance with ASME B16.34 to address the unique requirements of the urea industry. (CRN's are available for our neighbors to the north, as well as CE and PED compliance, as required.)



The valves shown were manufactured for one of our urea projects in the southwest. Urea applications are generally considered to be severe service, as a function of the pressures, temperatures and corrosive properties of the media. These gates, globes, checks and ball valves employed A182 F310MoLN (25-22-2) forgings with Ferralium 255 internals, and were delivered on-time. The forged materials were selected to comply with the Owner's requirements, and to provide long service life for the valves.

Conval designs provide best-in-class service life for our Customers. In addition to that, each valve is designed to be easily maintained in-line, to provide unparalleled total installed cost.

Some photographs of an AOV valve for urea service and the Conval manufacturing facility are attached below.....

