XOMOX®

# NEW!

## High Performance Butterfly Valve for Dry Chlorine Service

www.cranechempharma.com

## Designed Specifically for Dry Chlorine Service

The distinctive design of this High Performance Butterfly Valve benefits users through:

1. Hastelloy® disc and stem provide extended integrity of sealing surfaces
2. Live-loaded, double packing with optional monitoring port to minimize emissions
3. Alloy 20 nuts, bolts and studs, with Inconel® spring washers for live-loading

**ASME** **DIN**

**Meets Chlorine Industry Standards for Cleaning and Bagging**

Hastelloy® is a registered trademark of Haynes International, Inc.
Inconel® is a registered trademark of Special Metal Corporation.
Teflon® is a registered trademark of DuPont. Only DuPont makes Teflon®.

CRANE®

# XOMOX® HPBV
for Dry Chlorine Service

## Product Overview

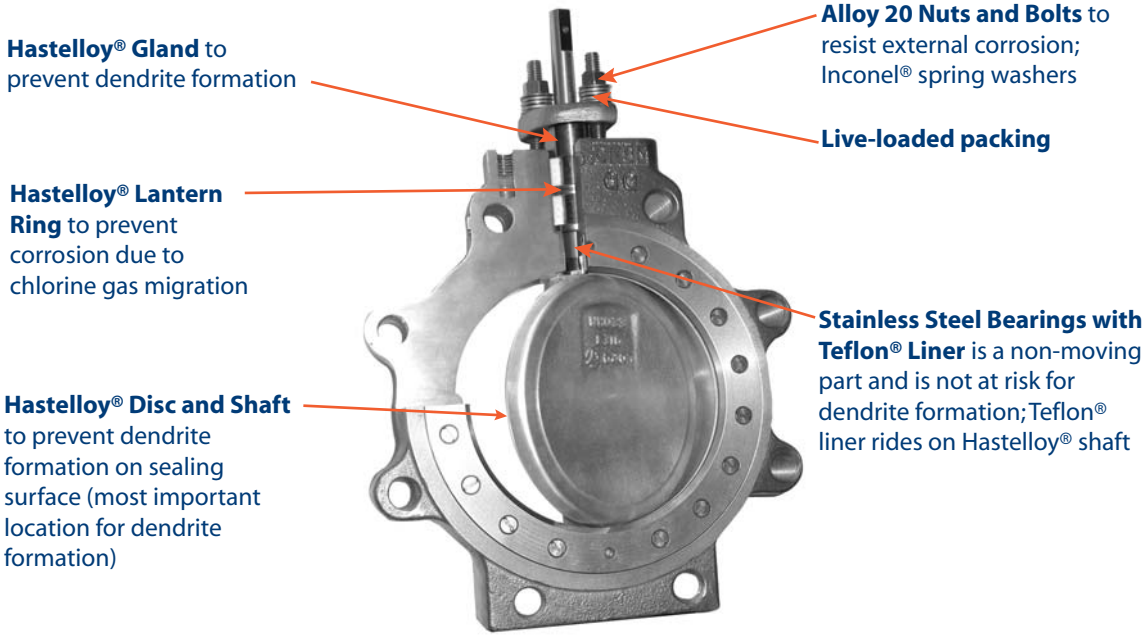
Dendrite Formation: The Xomox® High Performance Butterfly Valve (HPBV), created specifically for use in dry chlorine service, is a break-through product designed to prevent valve damage due to moisture contamination. The reaction of moisture with the chlorine gas can cause the formation of small crystals called dendrites. Dendrites can form on the critical sealing surfaces of most commonly used disc and stem materials; this causes the valve to freeze, or to become abrasive to the soft seat which can lead to severe seat damage.

*Photo of Dendrite*

Appropriate Materials: To combat moisture contamination and provide enhanced protection against harsh operating conditions, Xomox® examined each component of the valve to determine which were directly affected by dendrites. Xomox® upgraded to Hastelloy® for the disc and shaft to maintain the integrity of sealing surfaces because Hastelloy® is not susceptible to the formation of dendrites. All other valve components (pin, gland, bolts, etc.) were reviewed individually to determine the exact material requirements (see image below).

Dry Chlorine Applications: Dry chlorine gas is found within chlorine production, storage, and transfer facilities and also in downstream processes such as VCM or phosgene production. For dry chlorine applications, Xomox® recommends the standard offering of CF8M/1.4408, or WCB/1.0619, bodies with Hastelloy® disc and shaft, live-loaded, double packing with monitoring port, and special cleaning and bagging for chlorine service. WCB/1.0619 is not recommended for service below -20°F/-29°C.

## Available in Both ASME and DIN Standards




**Specify Xomox® HPBV with Hastelloy® trim, double live-loaded packing, monitoring port, and cleaning for chlorine service when ordering.**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