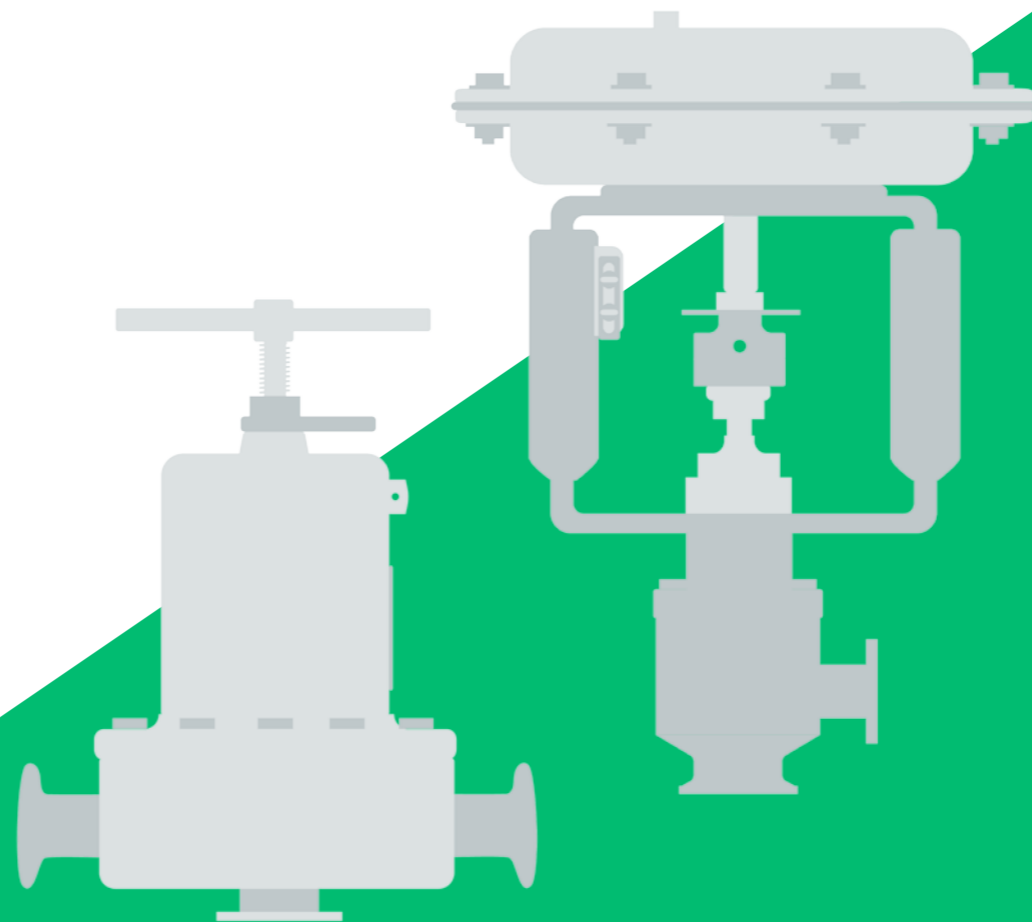


The  
**Jorlon™**  
**Diaphragm**

---

 STERIFLOW





**GUARANTEED**



**FOR LIFE**

Aseptic and reliable valve components are extremely important in the pharmaceutical industry. And because they see the most wear, automated control valve and regulator valve diaphragms are particularly vital. Without a reliable diaphragm, the dependability of your aseptic process could be in serious jeopardy.

# THE COST OF FAILURE

Unscheduled shutdowns can result in 2 weeks to a month of downtime — no production!

*A catastrophic diaphragm failure will distribute pieces of the diaphragm throughout the aseptic piping system to all points downstream of the valve, putting final drug substance quality at risk.*

*Complete processing systems must be shut down.*

*The extent of particulate contamination must be determined.*

*Drug batch(es) may be destroyed.*

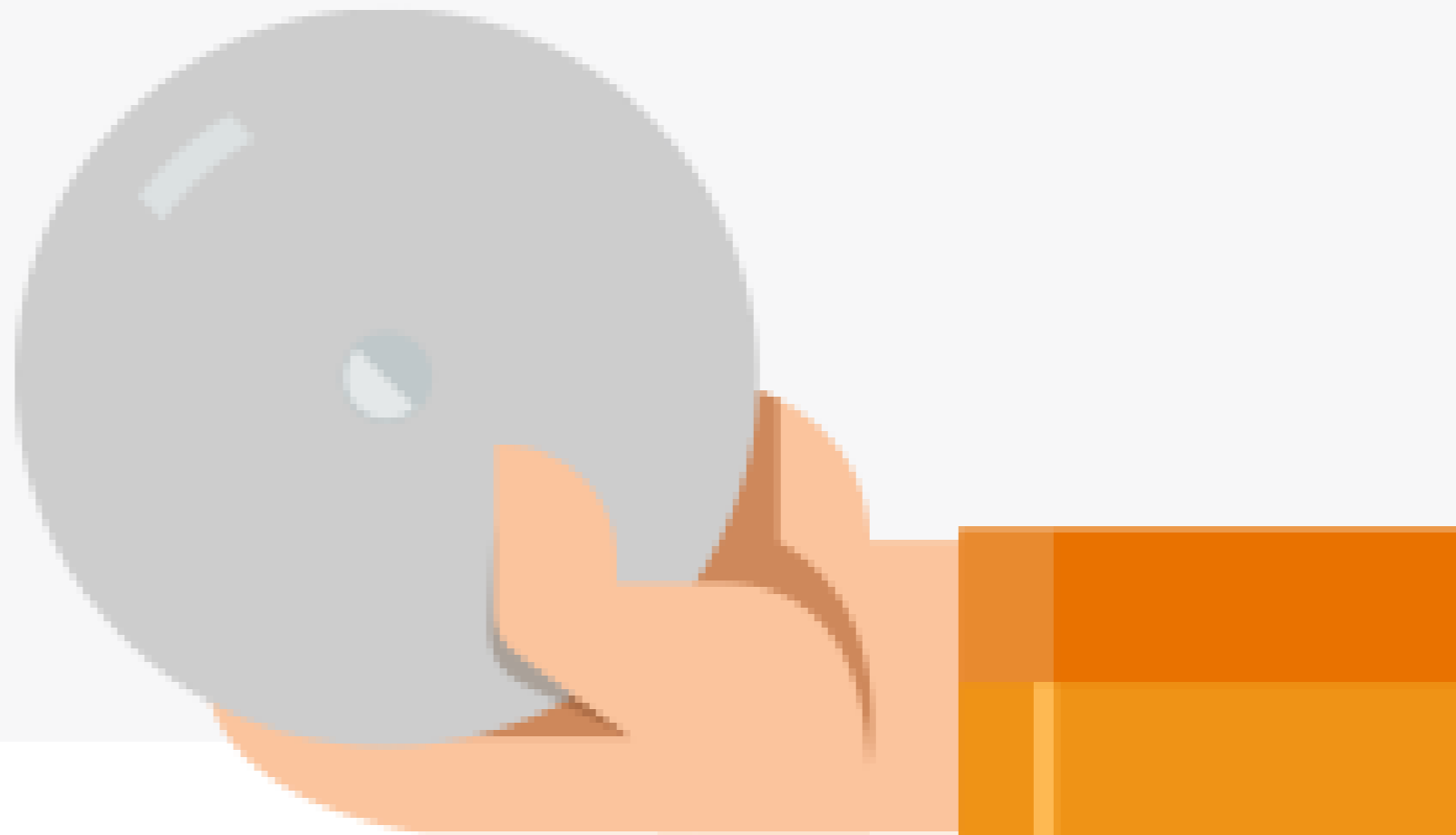
*Depending on time of failure, valve location in the product train, and contaminant dispersion, the batch history must be audited to determine the extent of contamination over production time.*

**2-4  
WEEKS**  
OF DOWNTIME

# WHAT CAN YOU DO TO PREVENT THIS?

---

Jorlon™ is a structurally modified, non-laminated, pure PTFE diaphragm material that provides a sterile barrier between the process and outside environment, and increases the life of your control valves and regulators.



# CHANGE-OUT TIMELINE

---

Conventional laminate diaphragms

**3-12 months**

Mark 978 Jorlon™ Diaphragm

**4 years\***



\*Customer's reliability engineer believes he can extend the change-out timeline to 7 years.

# HOW IT'S MADE

---



PTFE is formed in a proprietary process to create a solid diaphragm. The product is thoroughly tested for durability, making sure you get the best results possible.

Jorlon™ is warranted for a lifetime of use on:

- ✓ Mark 95 BPRVs
- ✓ Mark 95AA PBRVs
- ✓ Mark 96 PRVs
- ✓ Mark 96A PRVs
- ✓ Mark 96AA PRVs
- ✓ Mark 978 Control Valves
- ✓ JSHM Hand Metering Valve
- ✓ J-Series Gas Regulators

# PRODUCT APPLICATIONS

---

FINAL PROCESS FLUIDS

---

INTERMEDIATES

---

CLEAN STEAM

---

WFI

---



CRYOGENIC LIQUIDS

---

BUFFER

---

CIP FLUID

---

CLEAN COMPRESSED  
AIR AND GAS

---

# MAINTENANCE

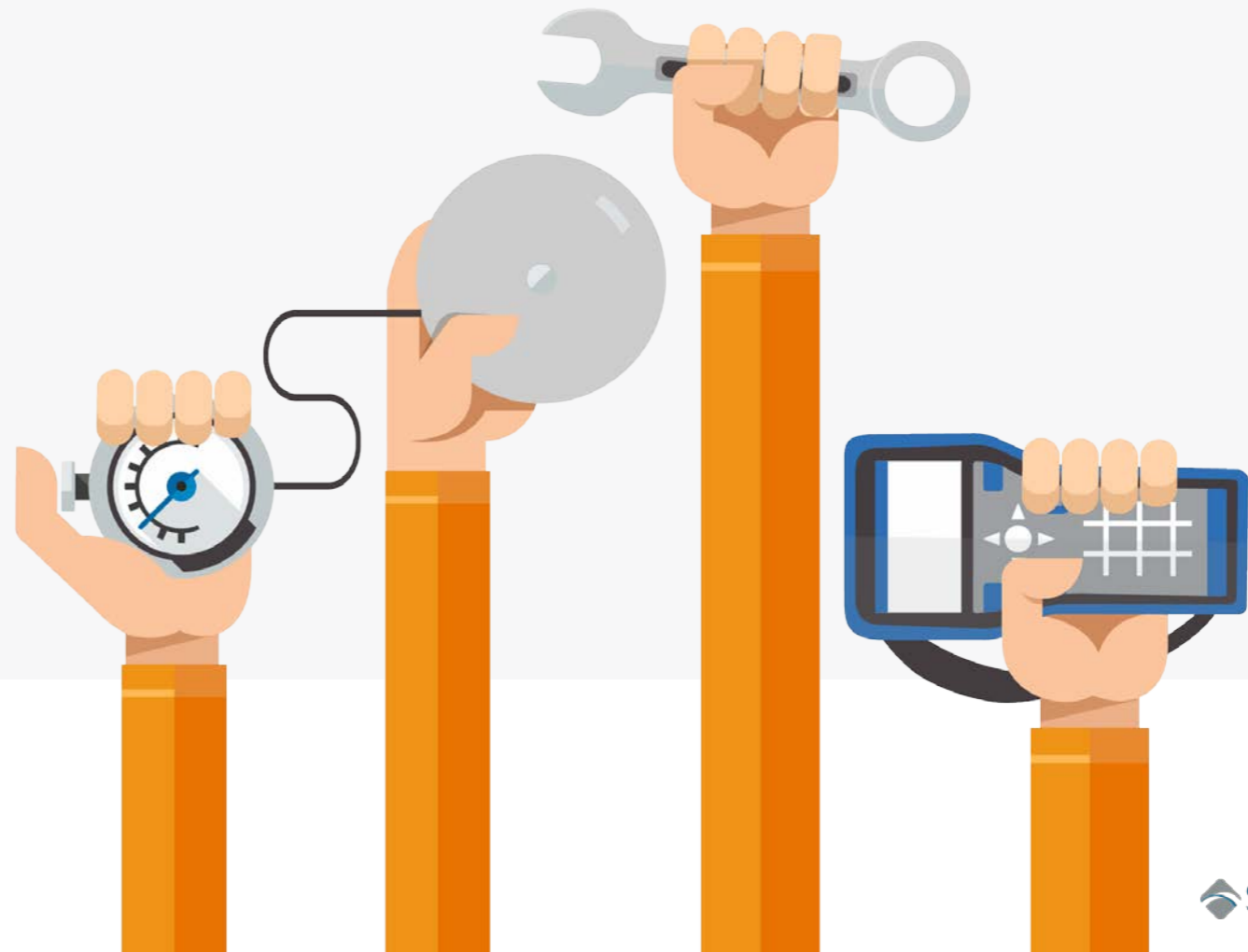
---

Jorlon™ reduces the need for excessive preventive maintenance.

A customer with a 200+ regulator population reported a

**9-YEAR  
PERIOD**

**WITHOUT A SINGLE REGULATOR  
MAINTENANCE EVENT.**





# SUCCESSFULLY TESTED

---

## CYCLE TESTING

Successfully tested on a variety of Steriflow valves on 45 psig (3 bar) continuous steam service to over

**1 MILLION** FULL STROKE CYCLES

Jorlon™ has successfully tested nitrogen pressure to over

**1,200** PSI



# SUCCESSFULLY TESTED

---

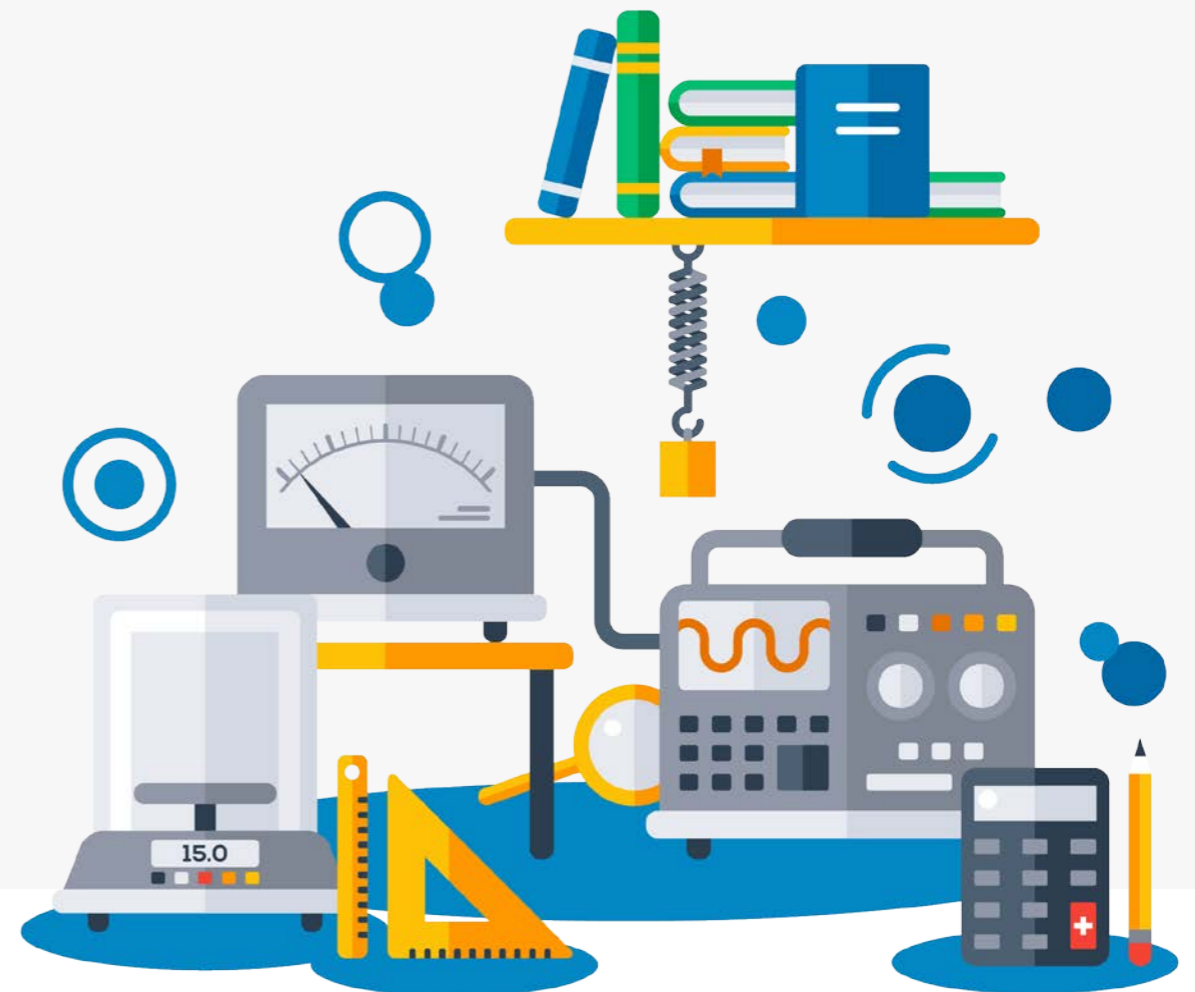
## LAB TESTING

The valves were successfully tested with an additional

**100** STEAM & VACUUM CYCLES

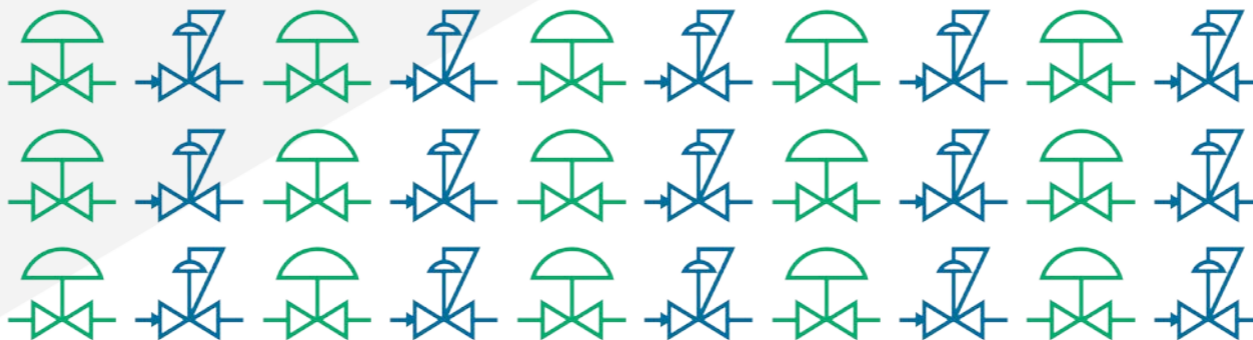
Lab tests comparing Jorlon™ to 316L diaphragms show continued life after exceeding the SST failure cycle count by more than

**100x**



# TENS OF THOUSANDS

of Steriflow valves with Jorlon™ Diaphragms have been installed in FDA-approved systems and facilities.



- ✓ FDA COMPLIANT
- ✓ USP CERTIFIED
- ✓ ADI/TSE FREE
- ✓ INCREDIBLY DEPENDABLE
- ✓ LASTING YEARS LONGER THAN LAMINATED DIAPHRAGMS



With a

# Jorlon<sup>TM</sup> Diaphragm

you can...

1

Save money

2

Extend preventive maintenance  
diaphragm change-out times

3

Realize the benefits of a regulator and control  
valve that outlasts most normal systems



# Jorlon™ Diaphragm VALVES



*JSB Series*



*JSHM Series*



*JSR Series*



*JSRH Series*



*JSRHF Series*



*JSRLF Series*



*JSRFLP Series*



*Mark 95 Series*



*Mark 95AA Series*



*Mark 95FT Series*



*Mark 96 Series*



*Mark 96A Series*



*Mark 96AA Series*



*Mark 96C Series*



*Mark 978 Series*



*Mark 978LFJD Series*

# CHECK US OUT ON SOCIAL MEDIA

---



@STERIFLOWVALVE



STERIFLOW VALVE



STERIFLOW VALVE





[WWW.STERIFLOWVALVE.COM](http://WWW.STERIFLOWVALVE.COM)

513-533-5600

CHECK OUT OUR BLOG  
ON OUR SITE!