

Flexible Solutions

DURAFLEXTM INC.

for Rigid Applications

STEAM TURBINE CONTROL VALVE BELLOWS

Duraflex, Inc. offers a TOTAL REBUILD or REVERSE ENGINEER existing bellows operated control valve systems.

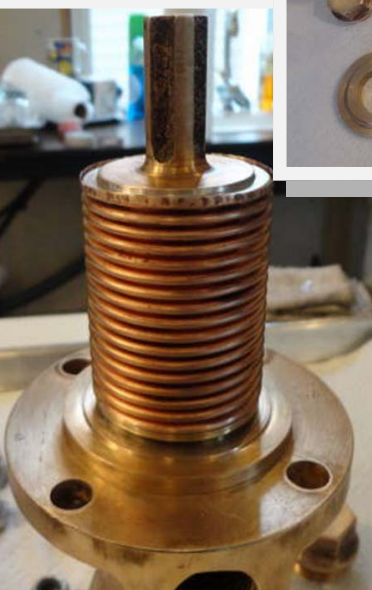
REPAIR

REPLACEMENT



BELLOWS OPERATED CONTROL VALVES

- ❶ Should be inspected annually!
- ❷ Are easily removed from system!
Typically gasket bolted or threaded inline.
- ❸ Unmaintained bellows operated control valve systems could:
 - *cause additional operating steps*
 - *decrease productivity*
 - *create downstream oil/air leaks*
 - *increase costs*



REPAIRS
Can be done...
ON-SITE
(or)
At a Duraflex...
FACILITY
One Day Turnaround!

Metal Bellows are a key component in the successful operation of control valves in **Turbines, Boiler Feed Pumps, Oil Control Systems & Instrumentation.**

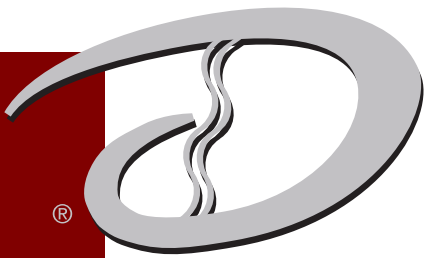
Most Power Plants & Heavy Industrial Sites currently utilize a **bellows operated system** but are unaware of **Duraflex, Inc.**'s unique capabilities to repair or replace these control valve systems with a more sustainable, timely & economical solution.

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STEAM TURBINE CONTROL VALVE BELLOWS

MODIFIED

**Replacement Inconel
 (or)
 SS Duraflex Bellows**

The Life cycle for all bellows operated systems & plant equipment is critical:

- Duraflex, Inc.'s new **Inconel Bellows** or **Stainless Steel Bellows** are a more affordable, timely & higher quality alternative!
- New **Cold Fusion Gravity Process** allows our **Alloy Bellows** to be attached to your existing control valve parts.
- New **Cold Fusion Gravity Process** uses concentrated heat to attachment area; not to the bellows.
- Less heat on new bellows = extended life cycle!
- Innovative bellows, processes & materials allows **Duraflex, Inc.** to repair your existing operated control valve in 3 days + shipping time (or) repaired at a **Duraflex** facility in **(1) day turnaround time!**

OEM

**Copper Bronze Alloy
 Control Valve Bellows**

Traditional Bellows Control Valves are made of outdated Copper Bronze Alloy materials. These original bellows, materials & installation techniques:

- Have minimum buys—materials are difficult to obtain.
 - *Drives material cost up!*
- Are more difficult to join:
 - *Requires soldering of flux heated copper bronze attachments.*
 - *Heat decreases life span of bellows.*
- Have long lead times—**(20) weeks turnaround time!**
- **But...Duraflex can Repair & Modify, if absolutely required.**

