



CPI Unloaders & Actuators

CPI Unloader Diaphragm Actuators are used for replacing old style leaking or worn out unloader actuators, to remove membrane actuators in situations of membrane failure or insufficient stroke, or to replace manual hand-wheel style unloaders for automation. All CPI Unloader Actuators are custom designed for each application. CPI, part of the Howden group offers Finger and Plug style Unloader Diaphragm Actuators.

DESIGN FEATURES

- Available in air-to-load or air-to-unload
- Rolled diaphragm design:
 - effective membrane area - 12.40 in² (80 cm²) or 37.20 in² (240 cm²)
- .59 in/15 mm stroke available, and spindle length adjustable by .20 in/5 mm
- Highly visible adjustable position indicator
- Sealing with O-Rings and chevron gasket up to pressures of 3,625 psi/250 bar
- Vent connection for collecting fugitive emissions
- All parts with direct contact to gas are AISI 316 stainless steel
- Special materials available for corrosive applications



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FEATURES

- Proven technology
- CPI Unloader Actuators incorporate multiple design features to prevent gas emissions
- Reliable rolled diaphragm design eliminates problems caused by reconditioning and membrane failure
- Most old style unloading systems can be upgraded with CPI Unloader Actuators
- Depending on the application, a single plug unloader actuator per cylinder end can replace existing multiple finger unloader actuators
- Used for valve port unloading with a CPI plug valve or for volume pocket unloading
- Solid plug and balanced plug styles are available
- Air injection range: 43 psi g - 87 psi g / 3 bar g - 6 bar g
- Meets API618 Standards

