



SAUNDERS<sup>®</sup> P345 is a polymer based piston operated pneumatic actuator designed to provide superior performance in bioprocess applications.



**NEW!** REDUCING CO<sub>2</sub> EMISSION IMPACT ON ENVIRONMENT BY 11%

## KEY FEATURES INCLUDE:

- ✔ **4.5 BAR OPERATING PRESSURE**  
Energy efficiency through reduced air consumption
- ✔ **INDUSTRY LEADING CLOSURE PERFORMANCE**  
Up to 10 bar at 100%  $\Delta P$  for rubber and 8 bar for PTFE diaphragms
- ✔ **25% LIGHTER CONSTRUCTION**  
Lighter compared to stainless steel actuators
- ✔ **ECO-FRIENDLY**  
14 ton of CO<sub>2</sub> emission reduction driven by lower operating pressure than other actuators



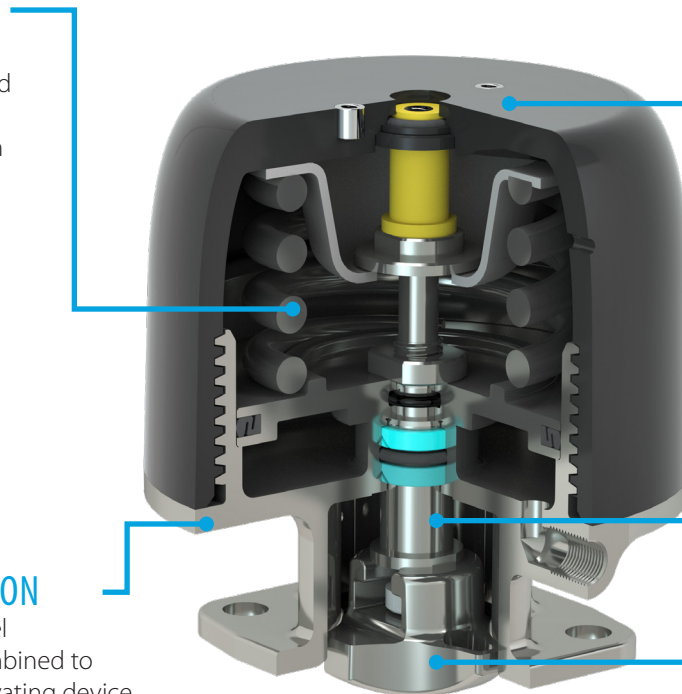
# SAUNDERS<sup>®</sup> P345 Actuator

## RELIABLE PERFORMANCE

Design philosophy focused on delivering high cycle life, lower air consumption and a compact design versus diaphragm type actuators.

## HYBRID CONSTRUCTION

Polished 316 Stainless Steel  
Glass filled polyamide combined to create a reliable and captivating device able to withstand typical wash down regimes in the pharma industry.



## LIGHTWEIGHT ACTUATOR

Cutting edge polymer cap design achieving 25% weight reduction for Bio-Pharma applications.

## PISTON ACTUATION

Innovative piston design for a reduction in operating pressure by 25% compared to market equivalents.

## EASY CHANGE OUT

Modular plug-N-play design offering easy change out of compressors.

### Size Range

- DN8 (0.25") – DN50 (2.00")

### Modes of Operation

- Spring-to-Close

### Material of Construction

- Actuator Shell: Polyamide
- Bonnet: Stainless Steel

### Temperature

- Max: 100°C (212°F)
- Min: -10°C (14°F)

### Accessory Options

- Saunders –VUE Sensors (Direct Mount)
- Limit open Stop (Spring-to-Close Mode)
- Positioners

### Diaphragm Interchangeability

- Unique compressor design that permits easy conversion of the compressor between rubber and PTFE Diaphragms

### Product Marking

- Valve Size
- Mode of Operation
- Operating Pressure
- Date of Manufacturing

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