

SAUNDERS $^{\circledR}$ P345 is a polymer based piston operated pneumatic actuator designed to provide superior performance in bioprocess applications.



\sim REDUCING CO₂ 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% $\triangle P$ for rubber and 8 bar for PTFE diaphragms

25% LIGHTER CONSTRUCTION

Lighter compared to stainless steel actuators

CO-FRIENDLY

14 ton of CO_2 emission reduction driven by lower operating pressure than other actuators









SAUNDERS® P345 Actuator

RELIABLE **PFRFORMANCE**

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



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.

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.

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

CRANE CHEMPHARMA & ENERGY

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