

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



# E = 1000 REDUCING $CO_2$ 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 6 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® P345 Actuator

### RELIABLE PERFORMANCE

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



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



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



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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