

## Saunders<sup>®</sup> P345 Actuator

[www.cranecpe.com](http://www.cranecpe.com)

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

### Key features include:

- 1 4.5 BAR OPERATING PRESSURE**  
Energy efficiency through reduced air consumption
- 2 INDUSTRY LEADING CLOSURE PERFORMANCE**  
Up to 10 bar at 100% pressure drop
- 3 30% LIGHTER CONSTRUCTION**  
Lighter compared to Stainless steel actuators
- 4 ZERO MAINTENANCE**  
Maintenance free plug-n-play reliable operation



**CRANE<sup>®</sup>**

Crane ChemPharma & Energy

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# Saunders® P345 Actuator

## Size Range

- DN8 (0.25") – DN100 (4.00")

## Modes of Operation

- Spring-to-Close
- Spring-to-Open
- Double Acting

## Material of Construction

- Polymer Cover: Polyamide
- Bonnet: Stainless Steel
- Suitable for typical industry wash down regimes\*

## Temperature

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

\*Non-Autoclavable

## Accessory Options

- Saunders-VUE Sensors
- Limit Open Stop (Spring-to-Close Mode)
- Positioners

## Interchangeability

- Easily retrofitted on existing Saunders valves
- Unique compressor design for easy diaphragm interchangeability

## Product Marking

- Catalogue Code
- Valve Size
- Mode of Operation
- Operating Pressure
- Date of Manufacture

Saunders P345 (Spring-to-Close) Actuator Closure Performance				
Size	Line Pressure*		Operating Pressure	Weight (Kg) / (lbs)
	PTFE	Rubber		
DN 8 (0.25")	8 bar (116 psi)	10 bar (145 psi)	4.5 bar (65 psi)	0.4 / 0.9
DN 15 (0.50")				0.8 / 1.8
DN 20 (0.75")				1.25 / 2.9
DN 25 (1.00")				1.8 / 4.0
DN 40 (1.50")				3.0 / 6.6
DN 50 (2.00")				5.6 / 12.0
DN 65 (2.50")				9.5 / 21.0
DN 80 (3.00")				21 / 46.0
DN 100 (4.00")				29 / 64.0

\* All pressures are gauge pressures. Line pressure values determined with pressure on one side of the weir only (100% pressure drop, or 100% ΔP).

\* 10 bar available on request

For closure performance above 10 bar, please refer S360 Power Series

Please visit our web-based Drawings Library at: [www.saundersdrawings.com](http://www.saundersdrawings.com) for a current database of drawings in PDF, 2D DWG, and 3D STP formats.

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## Crane ChemPharma & Energy, Saunders®

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