

## THE COMPACT DIFFERENCE

Compact Automation designs and manufactures high-value pneumatic and hydraulic actuation products for original equipment manufacturers, integrators and plant engineers. These are premium products for those who demand the best possible performance and durability.

The Compact product line has a unique value proposition. This brochure will help you understand how to leverage The Compact Automaton Difference and add value to your business.

The Compact Automation Value Proposition:

- Small but Powerful
- Long-Life and Repairable
- Highly Configurable



Small, Durable and Configurable  
Products for all of your Critical  
Motion Control Needs.

Compact Automation Products, LLC  
105 Commerce Way  
Westminster, SC 29693  
Tel: 864.647.9521  
Fax: 864.647.9574  
[www.compactautomation.com](http://www.compactautomation.com)

## The Compact Difference

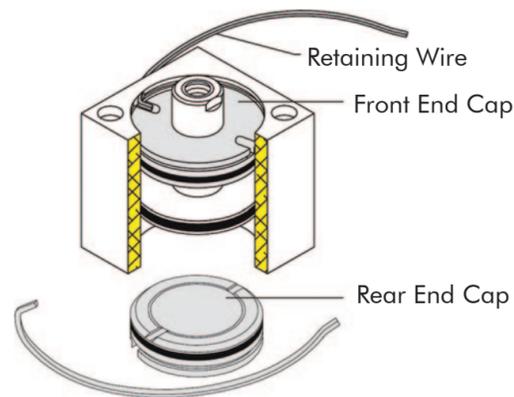


**COMPACT**  
AUTOMATION PRODUCTS

## SMALL BUT POWERFUL – When space matters we have you covered...

### Compact the Original Small Cylinder

The name Compact is not an accident. The original intent of our founder was to design a product line that was extremely space efficient. To this day, Compact Automation tends to have the smallest cylinders for a given output. This advantage extends to our rotary product where our unique vane design is much smaller than the typical rotary actuator.



Compact's linear actuators are significantly smaller than the equivalent competitive actuator.

Compact's rotary actuators are often half the size of a competitive actuator with similar torque.

### Linear Cylinder Size Comparison\*

Brand	Versus Compact
Bimba Flat 1 RND	Same Size
Bimba Flat 1 SQ	20% Larger
Fabco Pancake	12% Larger
Fabco SQ 1	30% Larger
Festo ADN	55% Larger
Norgren F	10% Larger
Numatics C	58% Larger
PHD OCQ	56% Larger
SMC NCQ 2	15% Larger

\*Comparison is based on the average of all actuators in the series.

### Rotary Actuator Size Comparison\*

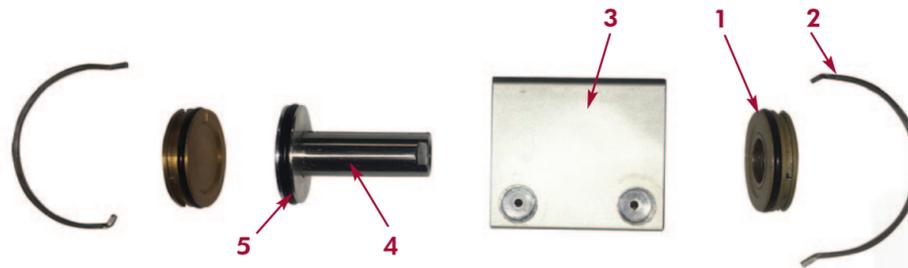
Brand	Part #	Versus Compact
Compact	122-1S1	
Fabco	FRC40X90	225% larger, 35% weaker, 315% heavier
Festo	DSM-40	165% larger, 40% weaker, 245% heavier
Norgren	M/60287/270	145% larger, 15% weaker, 145% heavier
Parker	PV33D-BB2-B	5% smaller, 10% weaker, same weight
PHD	RAS150X90	215% larger, 55% weaker, 250% heavier
Rotomation	A32-90-TC-S75KK	210% larger, 15% weaker, 165% heavier
SMC	CRB1BW63-90DE	3% smaller, 24% weaker, 5% lighter

\*Comparison is based on a 90 deg. rotation, producing 350 in-lbs torque at 100 psig operating pressure.

## LONG LIFE and FIELD REPAIRABLE – When your reputation depends on the equipment...

### Quality Features Designed for Longevity and Repairability

Our products have many design features that enable long field service. The products are also designed to be quickly and easily repaired in the field by a technician of modest skill.



### Compact Linear Actuator Design - Long-Life and Field Repairable

1. Anodized aluminum end caps – rod end cap includes bronze rod bearing.
2. Unique end cap retention with stainless steel retaining wire – provides durability in the smallest possible package.
3. Clear anodized aluminum cylinder body with a flex honed and roller burnished bore.
4. Stainless steel piston rod with other standard shaft options available.
5. Proprietary low friction figure 8 design nitrile seals with other standard material options available.

### Figure-8 Piston Seal

- Low Breakaway
- Positive Sealing without Seal "Roll" Deformation
- Low Coefficient of Friction
- Outstanding Shear Resistance
- No External Lubrication Required



## HIGHLY CONFIGURABLE - When you need weird stuff fast!

Our intent is to only participate in high-value product categories. One key to this strategy is being able to deliver exactly the product you need to solve a problem or perform a critical task. While this requires a lot of flexibility on our part, it is what makes us unique in the market.

Compact Automation offers countless options for its standard product, so a product can be configured exactly how the customer needs it.

Linear Actuators	Bimba	Fabco	Festo	Nason	Numatics	PHD	SMC	COMPACT
Available Options	31	40	34	28	19	17	20	67

We have the industry's best product configurator with a simple to use online interface. Getting complex products configured and quoted is just a mouse click away. Simply go to [www.compactautomation.com](http://www.compactautomation.com) and select **CONFIGURATORS** from the drop down list.



If you can't configure what you need with our extensive standard options, we have a special process to quickly deliver fully custom products at any volume.

