

COMPACT IN SIZE **LARGE** IN PERFORMANCE

COMPACT II ACTUATOR

The major advantages are:

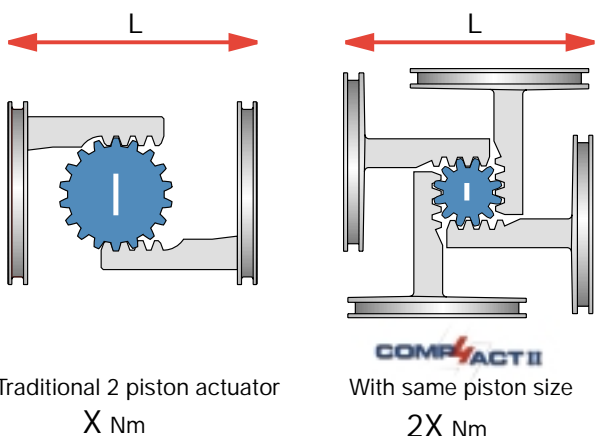


Habonim is proud to introduce its new generation actuator. Based on patented 4 piston technology. The Compact II is the most rugged actuator on the world market.

1

POWERFUL

Compact II four pistons generate twice the torque of comparably sized two piston designs.

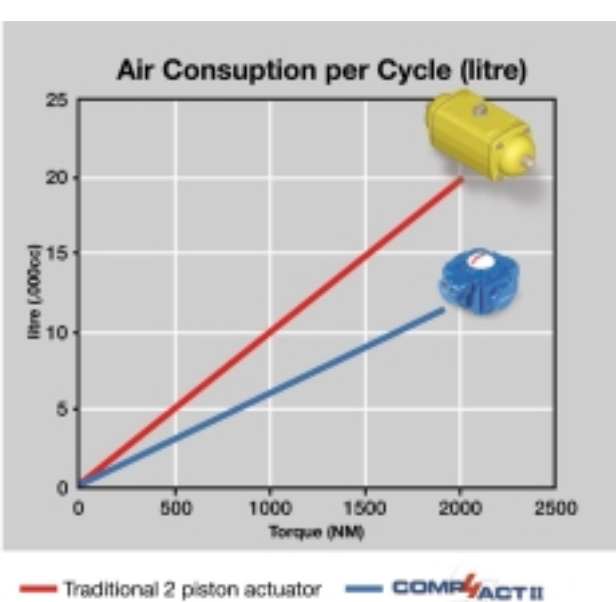


2

ENERGY SAVER

Compact II reduces the average air consumption by 50% due to compact physical size.

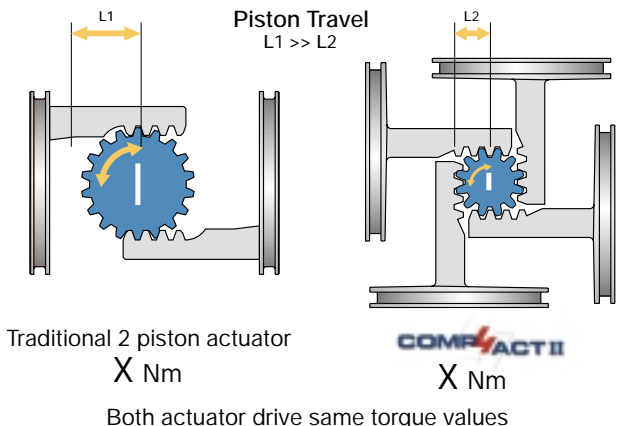
Both actuators derives same torque value.



3

FASTEST

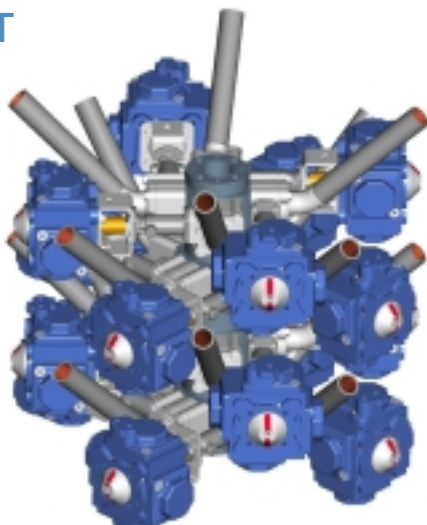
Compact II has faster stroke due to shorter travel distance.



4

SMALLEST & LIGHTEST

Compact II size is about 50% of a traditional 2 piston actuator with same torque value, due to the 4 piston design.



No dead space = Max efficiency

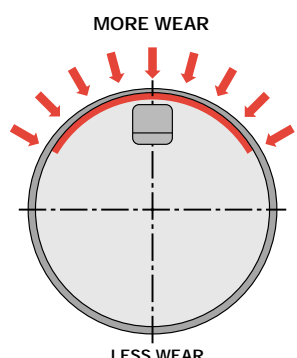
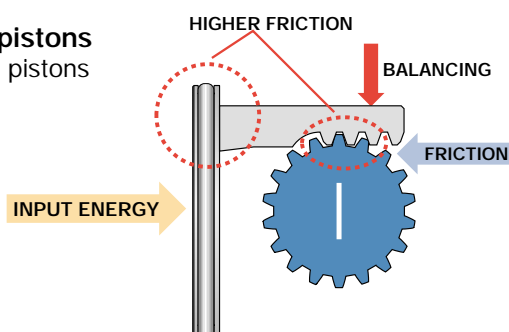
5

MINIMAL AND EASY MAINTENANCE

Less wear of moving parts

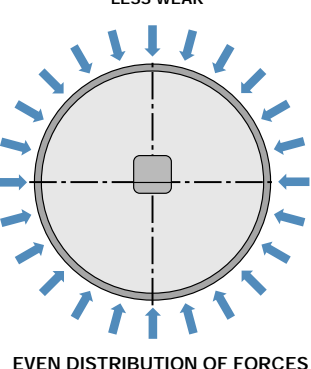
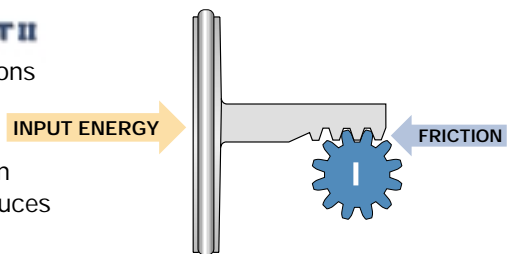
(Piston & O-rings) than any traditional 2 piston actuator due to the concentric pistons design

Traditional 2 pistons
Non concentric pistons

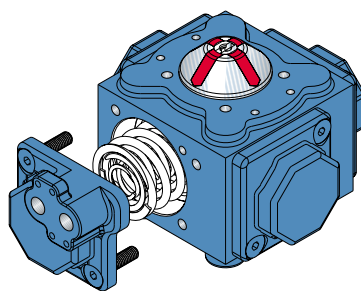


COMPACT II
Concentric pistons

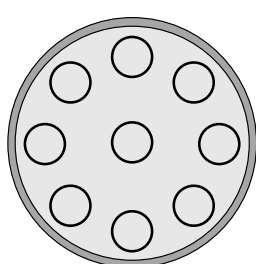
balanced design
mechanism reduces
friction



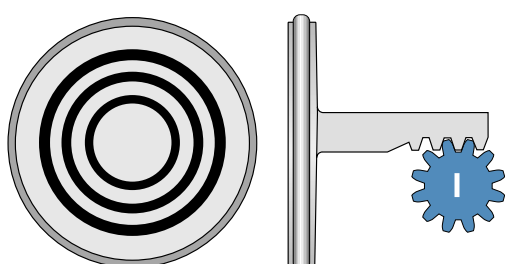
Safe springs configuration change,
Cover bolts are long enough to release springs load before removing the cover.



Easy spring configuration changes,
due to concentric spring structure.

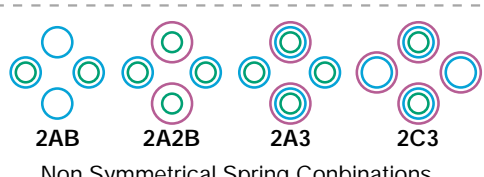


Traditional 2 piston actuator
Fixed spring number

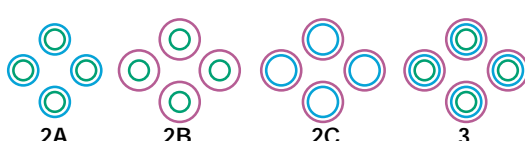


COMPACT II
Maximum 3 spring per piston

Fail / Safe Advantages
Wide options of Fail/Safe combinations,
particularly in low air
operating pressure



Non Symmetrical Spring Combinations



Symmetrical Spring Combinations