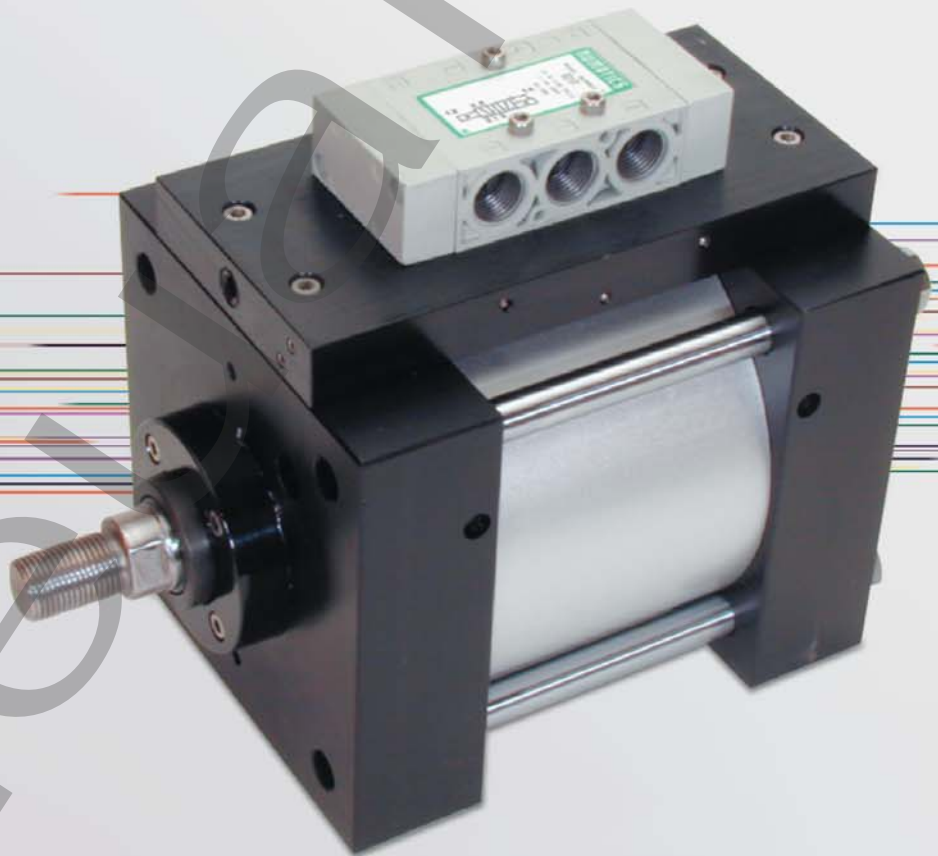


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Cylinders



The Reciprocator Cylinder

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The
Reciprocator



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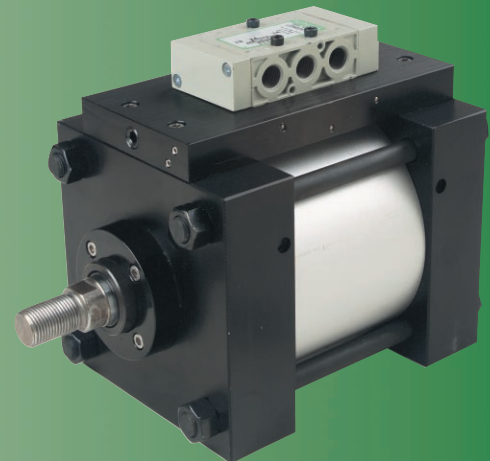
Reciprocating Action Without Electronics Or An External Power Source!

The Reciprocator is a "self" reciprocating, air-operated cylinder that provides power for any equipment that requires a sustained, cyclic motion. It requires no electricity, has no switches to burn out, and needs no extra plumbing. Just connect it to an air supply and the piston goes back and forth.

Its simple design is economical, easy to install, and extremely reliable. Since The Reciprocator does not require electricity, there is no chance of spark generation, making it ideal for hazardous environment use. In addition, it is designed to be field repairable with replacement parts readily available, so maintenance costs can be substantially reduced.

Here's What Else You Need To Know:

- Single and double rod versions available
- L1 or L2 valve version
- Glide ring piston seal for smooth operation
- 1-¹/₂" through 5" bore sizes
- Most NFPA mounts (except P1, P3, T1, and T2) available
- Profile tubing available in 1-¹/₂" - 2-¹/₂" bore sizes
- Extensive range of cylinder sizes, attachment options, and connecting rod ends to permit adaptation of The Reciprocator to a wide variety of equipment
- Perfect for shaker applications, i.e., moving/separating parts
- The Reciprocator always travels full stroke without the use of air timers or pressure switches
- Provides an easy and cost effective way to remove material from under dies
- Pressure Rating: 250 psig air
- **Most importantly, The Reciprocator can be built to meet your specific needs.**



Numatics Actuator

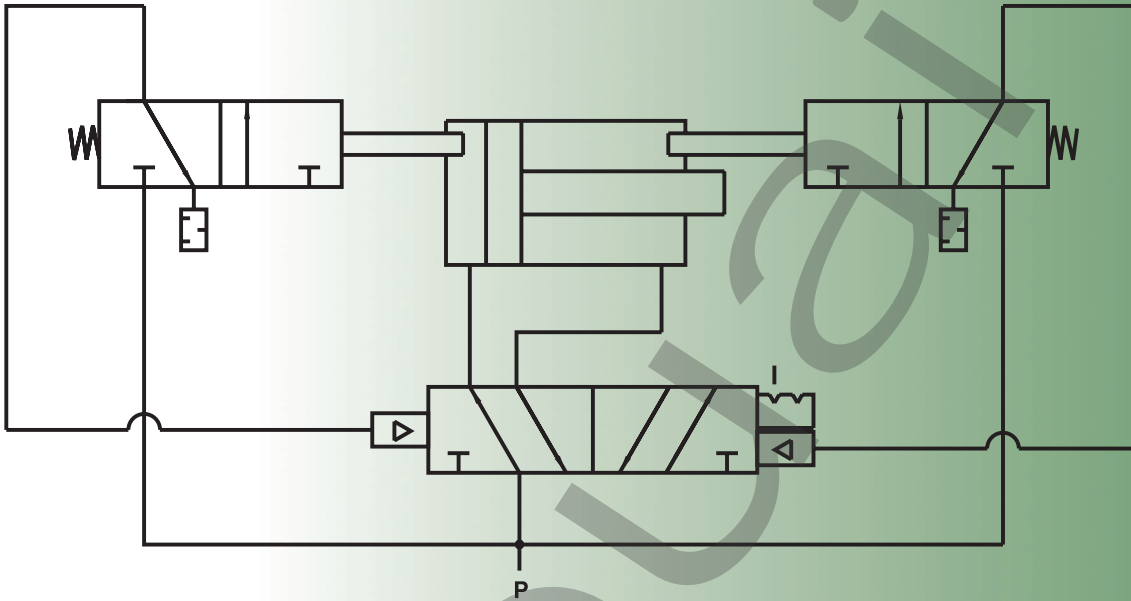


The Reciprocator

The Reciprocator Cylinder



The Reciprocator Cylinder Circuit Schematic



The piston mechanically pushes the stem to switch the valve in the head or cap to allow the air to flow to the pilot port on the main valve. The main valve is shifted by the pilot signal. The valves in the head and cap are spring return so that as soon as the piston moves, the valve in the head/cap will return to vent the pilot port on the main valve. The main valve is pilot operated with detent.

L1 Bore Sizes			L2 Bore Sizes		
1-1/2"	2"	2-1/2"	3-1/4"	4"	5"
1/2"	1/2"	5/8"	1" or 1-3/8"	1" or 1-3/8"	1" or 1-3/8"
L1 Rod Sizes			L2 Rod Sizes		

*Consult factory for larger bore sizes.

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