

Pneumatic Solutions for Transportation



Mobile Pneumatic Cylinders

Parker's Actuator Division offers a complete line of compact, round body, and tie rod cylinders. Highly engineered to extend product life and reduce machine life cycle costs, standard bore sizes are available up to 14" (355mm) with Strokes up to 500" (12700mm). Cylinder are manufactured with standard designs for quick delivery and reliable quality, or Custom designs to address specific performance requirements.

Specifications:

Body	Aluminum / Stainless
Connections	U.S. Standard NPTF / Metric / BSPT
Maximum Operating Pressure	(Air) 250 PSI / 17 bar
Temperature Range	-40°F to +176°F (-40°C to +80°C)
Mounting	Flange, Clevis, Tang
Application	Truck, Trailer, Vocational, Bus, RV, Transit and Rail



Mobile Pneumatic Valves

Parker Pneumatic Division manufactures pneumatic valves for various transportation applications, from simple on/off functions to precise motion control. These include manifold mounted, inline mounted, manually operated, electrically operated, and pneumatically operated valves. Valves are available in a large flow range for standard and low temperature applications.

Specifications:

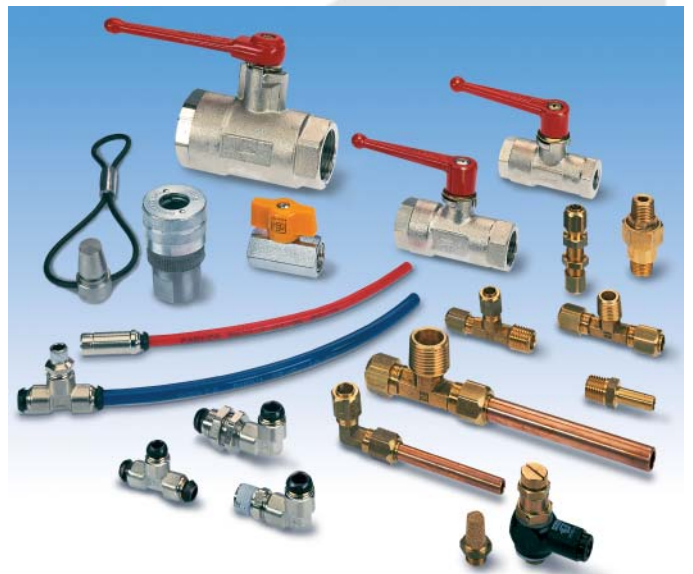
Body	Black / Gray Anodized - Aluminum
Connections	U.S. Standard NPTF / Metric / BSPT
Maximum Operating Pressure	(Air) 160 PSI / 11 bar
Temperature Range	-40°F to +158°F (-40°C to +70°C)
Mounting	Body Mount, Manifold
Application	Truck, Trailer, RV, Bus, Transit and Rail

Auxiliary Products

Whether it's a subsystem for a truck, bus, or rail application, the Fluid Connector Group offers a wide range of transportation products including controls for air distribution and equipment protection. Components for HVAC, door controls, brake lines, auxiliary panels, and chassis are readily available from Parker's Distribution channels and Parker Stores. Both are staffed with professionals who provide design assistance, emergency service, and component interchangeability expertise.

Auxiliary Products Include:

Compression Fittings	Check Valves
Push-in Fittings	Flow Control Valves
Blocking Fittings	Isolating Cocks
Test Point Connectors	Mufflers
Plug & Lanyard	Tubing



Mobile **LOAD-TAMER™**

The LOAD-TAMER™ air control panel for on/off road vehicles is a cost-effective investment for stabilizing air-ride suspensions. It provides the user with cost savings by reducing or eliminating driver fatigue, cargo damage, and minimizing wear on tires and other equipment. Manufactured in Richland, MI, the LOAD-TAMER™ is the lift-axle control of choice on dry freight vans, liquid tankers, bulk transporters, dump trailers, and container chassis - just to name a few.

Specifications:

Body	Black / Gray Anodized - Aluminum
Connections	U.S. Standard NPTF / Metric
Maximum Operating Pressure	(Air) 160 PSI / 11 bar
Temperature Range	-40°F to +158°F (-40°C to +70°C)
Mounting	Plastic Housing, L-Bracket, Flat Plate
Application	Truck, Trailer, Bus and RV



Mobile **Kneel-King** **Kneeling Module**

Parker's specially designed air module for Paratransit vehicles is used to adjust bus or van ramp height to meet various curb heights. This allows immediate safe passenger entry and exit, and facilitates easy access for mobility-impaired and wheelchair passengers.

Specifications:

Body	Aluminum - Clear Anodized
Connections	U.S. Standard NPTF / Metric/ BSPT
Maximum Operating Pressure	(Air) 160 PSI / 11 bar
Temperature Range	-30°F to +158°F (-35°C to +70°C)
Mounting	Manifold Through Bolt Holes
Application	Bus, RV, and Motor Coach

Mobile **Pneumatic 8M Valve**

The Mobile Pneumatic Valve is a 3/8" valve designed to control the raising and lowering of a lift axle by inflating or deflating the air springs. Control can be achieved remotely from the cab of the truck with a 12 VDC signal or manually at the trailer with a heavy duty lever operated override mechanism. Other applications include Dump Gates, Belly Dumps, Trucks and Trailers.

Specifications:

Body	Black Anodized Body
Port Size	3/8" NPTF
Operating Pressure	30 to 150 PSI (2 to 10 bar)
Operating Temperature	-40° to +160°F (-40° to +70°C)
Service	Compressed Air, Filtered, Lubricated or Unlubricated
Flow	Cv 2.5 (60 CFM (1700 Liters) @ 90 PSI (6 bar) to Atmosphere



Product Applications

	Truck Industry				Rail Industry				Bus & Coach Industry			
	Body Builders				Trolley & People Movers				Custom Coach			
	Trailers				Track Equipment				Urban Metro Bus			
				Dump Trucks				Heavy Rail				Trolley Bus
KneelKing Kneeling Module									•	•	•	•
LOAD-TAMER™	•	•	•	•						•	•	•
Viking Series	•	•	•	•	•	•	•	•	•	•	•	•
“MicroKing” Series	•	•		•				•	•	•	•	•
“MO” Series	•	•	•	•				•				
“B” Series	•	•	•	•		•	•	•	•	•	•	•
Pressure Switches	•	•	•	•		•	•		•	•	•	•
Vacuum Generators					•	•			•	•		
Filters, Regulators	•	•		•	•	•		•	•	•	•	•
Air Preparation Equipment	•	•	•	•	•	•	•	•	•	•	•	•
Flow Controls & Accessories	•	•	•	•		•	•	•	•	•	•	•
Cylinders (Pneumatic)	•	•	•	•			•	•	•	•	•	•
Rotary Actuators	•	•		•		•	•	•				
Air Motors	•	•			•	•		•				
Fittings & Tubing	•	•	•	•	•	•	•	•	•	•	•	•
Structural Aluminum		•	•			•	•		•	•		•

Technical Support & Training



Parker's Automation Group has six regional sales offices to service both the Pneumatic Division and Actuator Division customers. These offices are strategically located throughout the United States to offer customer assistance and reliable service. Product managers and thoroughly trained technical service experts are located at the divisions, and are ready to assist with troubleshooting or training, either at Parker's facilities or your own.

Engineering & Design



Precise specifications utilize all of Parker's pneumatic products, which makes them robust enough to handle all operating environments, including highway, rail, and off-road applications. All components are constructed for stability and volumetric efficiency, while incorporating simple, low-maintenance technology should service be necessary.

Value & Service



Parker customer service specialists are ready to assist you. Trained sales correspondents know our products. They can provide you with sales assistance, product information, and technical guidance ensuring on-time delivery.

Pneumatic Division



With headquarters in Richland, MI, and additional manufacturing facilities in Maine, Pennsylvania, and Colorado, Parker Pneumatic Division designs and manufactures air control valves, vacuum products, air preparation components, and specialty products for a myriad of industry segments. Pneumatic Division supplies industry requirements with a variety of necessary products, including serial addressable modules and valves.

Actuator Division



With headquarters in Wadsworth, OH and additional facilities located regionally throughout North America, Parker Actuator Division designs and manufactures linear and rotary actuator products. Product lines include pneumatic cylinders, slides, rotary actuators and grippers as well as electric cylinders, rodless actuators, hydraulic rotary actuators, and structural aluminum for automation system solutions across all industries.

Parker Pneumatic Sales Offices

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