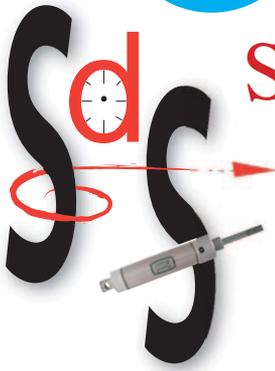




Air Engineering and Supply



Same-Day Shipping



Miniature Pneumatic Products

Thousands of Items Ready to Ship

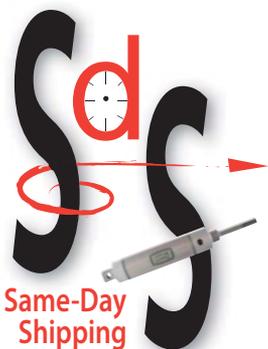
Huge Inventory



Quality Products



Clippard



Miniature Pneumatic Products

HUGE Inventory

Hundreds of miniature cylinders, control valves, electronic valves, fittings and other pneumatic products in stock and ready to go!



In Stock, **Ready**
to Ship the **SAME DAY!**

Order by 1:00 p.m. CST and items
Ship the Same Day

Easy-to-Order!



Competitive Pricing!

Exceptional **quality & reliability!**

the finest.
► fast!

Stainless Steel Cylinders

- 5/16" to 3" Bore Sizes
- Universal, Stud, Front Block, Clevis, Trunnion & End Mounts



- Stroke Lengths up to 12"
- Big Variety — **IN STOCK!**

Maximatic® Valves & Filter- Regulators

- 1/8" NPT & 1/4" NPT Valves
- 1/4" NPT & 3/8" NPT Filter-Regulators
- 3-Way & 4-Way Valves
- Pilot & Electronic Pilot-Operated Valves



Electronic Valves

- Clippard's Mouse Valve Series
- 2-Way & 3-Way Operation
- 12- & 24-Volt DC Operation
- Direct-Operated



Control Valves

- Large Variety
- Toggle, Stem & Pilot-Operated Versions
- #10-32 & 1/8" NPT
 - Needle, Check, Quick Exhaust & Shuttle Valves
 - Adjustable Regulator

10 mm & 15 mm Valves

- 2-Way & 3-Way Operation
- Direct-Operating
- 12- & 24-Volt DC Operation
- Connectors & Manifolds

Manual Valve

- 4-Way Detented Push/Pull Valve

Fittings

- Barb Style & Push-Quick
- #3-56 through 1/4"
- **IN STOCK!**



Clippard . . . A Name You Can Trust!

Stainless Steel **Cylinders** Ready to Ship!

Stud Mount, Double-Acting (SDR)



Bore	Stroke										
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"	8"	10"	12"
5/16"	stock	stock	stock	stock	stock	stock					
1/2"	stock	stock	stock	stock	stock	stock					
9/16"	stock	stock	stock	stock	stock	stock					
5/8"	stock	stock	stock	stock	stock	stock	•	•			
3/4"	stock	stock	stock	stock	stock	stock	stock	stock			
7/8"	stock	stock	stock	stock	stock	stock	•	•			
1 1/16"	stock	stock	stock	stock	stock	stock	stock	stock			
1 1/4"	stock	stock	stock	stock	stock	stock	•	•			
1 1/2"	•	stock	stock	stock	stock	stock	stock	stock	stock	stock	stock
1 3/4"	•	stock	stock	stock	stock	stock	•	•			
2"	•	stock	stock	stock	stock	stock	•	stock			
2 1/2"		stock	stock	stock	stock	stock	•	stock			
3"		stock	•	stock	stock	stock	•	stock	stock		

Front Block Mount, Double-Acting (FDR)



Bore	Stroke							
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"
3/4"	stock	stock	stock	stock	stock	stock	•	•
1 1/16"	stock	stock	stock	stock	stock	stock	•	•
1 1/2"	stock	stock	stock	stock	stock	stock	•	•

Clevis Mount, Single-Acting (CSR)



Bore	Stroke					
	1/2"	1"	1 1/2"	2"	3"	4"
1 1/2"	stock	stock	stock	stock	stock	stock



A complete line of flow controls, valves, mounting hardware, position sensors, and reed switches also available.



Trunnion Mount, Double-Acting (TDR)

Bore	Stroke							
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"
1 1/16"	stock	stock	•	stock	•	stock	•	•
1 1/2"	stock	stock	stock	stock	stock	•	•	•



End Stud Mount, Double-Acting (EDR)

Bore	Stroke										
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"	8"	10"	12"
1 1/2"		stock	•	stock	stock	stock	•	•	•	•	•



Clevis Mount, Double-Acting (CDR)

Bore	Stroke											
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"	8"	10"	12"	
1 1/2"	•	stock	stock	stock	stock	stock	stock	stock	stock	stock	stock	

Products Ship the **Same Day!**

- *Standard Size—Ready to Go within **2 to 3 days***

Clevis Mount, Reverse-Acting (CRR)

Bore	Stroke					
	1/2"	1"	1 1/2"	2"	3"	4"
1 1/2"	•	stock	•	stock	stock	stock



Products Ship the **Same Day!**

- Standard Size, Ready to Go within **2 to 3 days**

Universal Mount, Single-Acting (USR)



Bore	Stroke					
	1/2"	1"	1 1/2"	2"	3"	4"
5/16"	stock	stock	•	stock	stock	stock
1/2"	stock	stock	stock	stock	stock	stock
9/16"	stock	stock	stock	stock	stock	stock
5/8"	stock	stock	stock	stock	stock	stock
3/4"	stock	stock	stock	stock	stock	stock
7/8"	stock	stock	stock	stock	stock	stock
1 1/16"	stock	stock	stock	stock	stock	stock
1 1/4"	stock	stock	•	stock	stock	stock
1 3/4"	stock	stock	•	stock	stock	stock
2"	•	stock	stock	stock	stock	stock

*Hundreds of Models—
Thousands of Items Ready to Ship Now!*

Universal Mount, Reverse-Acting (URR)



Bore	Stroke					
	1/2"	1"	1 1/2"	2"	3"	4"
3/4"	•	stock	stock	stock	stock	stock
7/8"	•	stock	•	stock	•	•
1 1/16"	•	stock	stock	stock	stock	stock

the finest. **fast!**

Stud Mount, Double-Acting, Double Ended Rod (SDD)



Bore	Stroke										
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"	8"	10"	12"
5/8"	•	stock	•	stock	•	•					
3/4"		stock		stock	stock	stock	•	•			
1 1/2"	•	stock	•	stock	stock	stock	•	•	•	•	•
2"	•	stock	•	stock	stock	stock	•	•	•	•	•
2 1/2"	•	stock	•	stock	stock	stock	•	•	•	•	•
3"		stock		stock	stock	stock	•	•	•	•	•

Universal Mount, Double-Acting (UDR)



Bore	Stroke											
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"	8"	10"	12"	
5/16"	stock	stock	stock	stock	stock	stock						
1/2"	stock	stock	stock	stock	stock	stock						
9/16"	stock	stock	stock	stock	stock	stock						
5/8"	stock	stock	stock	stock	stock	stock						
3/4"	stock	stock	stock	stock	stock	stock	stock	stock	•	•	•	
7/8"	stock	stock	stock	stock	stock	stock						
1 1/16"	stock	stock	stock	stock	stock	stock	stock	stock	•	•	•	
1 1/4"	stock	stock	stock	stock	stock	stock	•	•	•	•	•	
1 3/4"	•	stock	stock	stock	stock	stock	•	stock	•	•	•	
2"	•	stock	stock	stock	stock	stock	•	stock	stock	stock	•	
2 1/2"	•	stock	•	stock	stock	stock	•	stock	stock	stock	stock	
3"		stock		stock	stock	stock	•	stock	stock	stock	stock	

Stud Mount, Single-Acting (SSR)



Bore	Stroke											
	1/2"	1"	1 1/2"	2"	3"	4"	5"	6"	8"	10"	12"	
5/16"	stock	stock	stock	stock	stock	stock						
1/2"	stock	stock	stock	stock	stock	stock						
9/16"	stock	stock	stock	stock	stock	stock						
5/8"	stock	stock	stock	stock	stock	stock						
3/4"	stock	stock	stock	stock	stock	stock						
7/8"	stock	stock	stock	stock	stock	stock						
1 1/16"	stock	stock	stock	stock	stock	stock						
1 1/4"	stock	stock	stock	stock	stock	stock						
1 1/2"	stock	stock	stock	stock	stock	stock						
1 3/4"	•	stock	stock	stock	stock	stock						
2"	•	stock	•	stock	stock	stock	•	•	•	•	•	

Stud Mount, Reverse-Acting (SRR)



Bore	Stroke					
	1/2"	1"	1 1/2"	2"	3"	4"
3/4"	•	stock	stock	stock	stock	stock
1 1/16"	•	stock	stock	stock	stock	stock
1 1/2"	•	stock	•	stock	stock	stock



Directional Control valves

2-Way Normally-Closed, Spring Return Poppet Valve, #10-32



Order No.: MAV-2

2-Way Normally-Closed, Spring Return Poppet Valve, 1/8" NPT Inlet, #10-32 Outlet



Order No.: MAV-2P

2-Way Normally-Closed, Spring Return Poppet Valve, 1/8" NPT



Order No.: MJV-2

3-Way 2 Position Spool Valve, 1/8" NPT, NP Steel Toggle



Order No.: FTV-3P



3-Way 2 Position Poppet Valve, 1/8" NPT, NP Steel Toggle



Order No.: MJTV-3

3-Way Spool Plunger Actuated Spring Return Valve, #10-32



Order No.: FV-3

3-Way Spool Plunger Actuated Spring Return Valve, 1/8" NPT



Order No.: FV-3P

3-Way Normally-Closed Valve with Spring Return, 1/8" NPT



Order No.: MJV-3

3-Way Normally-Closed, Spring Return Poppet Valve, 1/8" NPT Inlet, #10-32 Outlet



Order No.: MAV-3P

3-Way Normally-Closed, Spring Return Poppet Valve, #10-32 Ports



Order No.: MAV-3

Check Valve, 1/8" NPT



Order No.: MJCV-1

In Stock, **Ready** to **Ship!**

4-Way 2 Position Spool Valve, 1/8" NPT, NP Steel Toggle



Order No.: MJTV-4

4-Way 2 Position Fully-Ported Spool Valve, 1/8" NPT, NP Steel Toggle



Order No.: MJTV-5

Adjustable Pressure Regulator, 1/8" NPT Inlet, #10-32 Outlet, 0 to 100 psig



Order No.: MAR-1P

Poppet Style Quick Exhaust Valve, #10-32



Order No.: MEV-2

Poppet Shuttle Valve, 1/8" NPT



Order No.: MJSV-1

Adjustable Pressure Regulator, #10-32, 0 to 100 psig



Order No.: MAR-1

15° Needle Valve, #10-32, Knurled Knob



Order No.: MNV-1K

15° Needle Valve, #10-32, Screwdriver Slot



Order No.: MNV-1

Pilot-Operated Actuator, Single-Acting, Spring Return, #10-32



Order No.: MPA-3

15° Needle Valve, 1/8" NPT, Screwdriver Slot



Order No.: MNV-1P

15° Needle Valve, 1/8" NPT, Knurled Knob



Order No.: MNV-1KP

Pilot-Operated Actuator, Single-Acting, Spring Return, 1/8" NPT



Order No.: MPA-3P

Valves & Regulators

**10 mm 2-Way,
2 Position, Normally-
Closed Valve, 12-Volt**

Wire
Leads



Order No.: E210A-1W012

**10 mm 2-Way,
2 Position, Normally-
Closed Valve, 24-Volt**

In-Line
Connector
with LED



Order No.: E210C-2C024

**10 mm 3-Way,
2 Position, Normally-
Closed Valve, 24-Volt**

In-Line
Connector



Order No.: E310C-2F024

**10 mm 3-Way,
2 Position, Normally-
Closed Valve, 24-Volt**

In-Line
Connector
with LED



Order No.: E310C-2C024

**10 mm & 15 mm
Single-Station
Manifolds**



10 mm: E10M-01
15 mm: E15M-01

**15 mm 3-Way,
2 Position, Normally-
Closed Valve, 24-Volt**

In-Line
Connector
with LED



Order No.: E315F-2C024

**Manually-Operated
4-Way Lever Valve**



Order No.: MMV-L4QD

Wire Connectors



C2A-RB300, 11.8"
C2A-RB500, 19.69"
C2A-RB1000, 39.37"

**Maximatic®
Regulators**



MMR-2P, 1/8" NPT
MMR-2Q, 1/4" NPT

the finest.
→ fast!



**4-Way Manually-Operated
Detented Push/Pull Valve**

Order No.: MMV-P4QD

**Maximatic® Stacking
Filter-Regulators**



1/4" NPT
MMFRS-2Q

3/8" NPT
MMFRS-3W

Maximatic® Valves



3-Way, 2 Position Single Solenoid Valves

Order No.	Connector	Ports	Voltage
MME-31PES-D024	DIN	1/8" NPT	24-Volt
MME-31PES-D110	DIN	1/8" NPT	110-Volt
MME-32QES-D024	DIN	1/4" NPT	24-Volt



4-Way, 2 Position Single Solenoid Valves

Order No.	Connector	Ports	Voltage
MME-41PES-W012	Wire	1/8" NPT	12-Volt
MME-41PES-D024	DIN	1/8" NPT	24-Volt
MME-41PES-D110	DIN	1/8" NPT	110-Volt
MME-42QES-W012	Wire	1/4" NPT	12-Volt
MME-42QES-D024	DIN	1/4" NPT	24-Volt
MME-42QES-D110	DIN	1/4" NPT	110-Volt

MAXIMUM

Value.

→ Performance.



3-Way Single Air Pilot Valve, 1/4" NPT Ports

Order No.: MMA-32QAS



4-Way Single Air Pilot Valve, 1/4" NPT Ports

Order No.: MMA-42QAS

MME-31/41 uses Industrial Form DIN Connector.

MME-32/42 uses Form B DIN Connector.

Products Ship the

Same Day!

Foot Pedal Valves



3-Way: MMV-F3QM-F
4-Way: MMV-F4QM-F

Fittings

Bulk or Package Quantities

**#3-56 Male to 1/16"
Brass Barb Connector**



Order No.: 11750-2

the finest.
fast!

**#10-32 Male to
Barb Connectors**



11752-5 1/16" I.D. Barb
11752-8 3/32" I.D. Barb
11752-4 1/8" I.D. Barb

**1/8" Male NPT to 1/8"
I.D. Barb Connector**



Order No.: 2CP4



**Push-Quick Fitting,
Tee Union, 1/4"
Tubing**



Order No.: PQ-TU08

**#10-32 Male to
1/8" I.D. Barb Swivel**



Order No.: 15045

**Push-Quick Fitting,
Male Compact
Connector, 5/32"
Tubing, #10-32 Thread**



Order No.: PQ-CC05N

Push-Quick Fittings, Male Connector



	Tubing (O.D.)	Thread
PQ-MC08P	1/4"	1/8" NPT
PQ-MC08Q	1/4"	1/4" NPT
PQ-MC08N	1/4"	#10-32
PQ-MC05N	5/32"	#10-32

**Adjustable #10-32
"L" Fitting**



Order No.: 15002-1

Push-Quick Fittings, Male Elbow



	Tubing (O.D.)	Thread
PQ-ME08P	1/4"	1/8" NPT
PQ-ME08Q	1/4"	1/4" NPT
PQ-ME05N	5/32"	#10-32

Electronic Valves

Ship the **Same** Day!



**2-Way Normally-Closed, Spring Return Valves,
In-Line Mount, Wire Leads, Buna-N Seals**

Pressure	12-Volt	24-Volt
Vac. to 105 psig	EV-2-12	EV-2-24



**3-Way Normally-Closed, Spring Return Valves,
In-Line Mount, Wire Leads, Buna-N Seals**

Pressure	12-Volt	24-Volt
Vac. to 105 psig	EV-3-12	EV-3-24

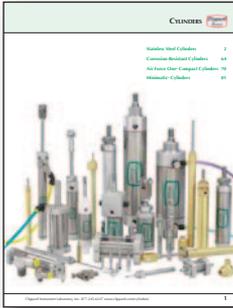


**3-Way Fully-Ported, Spring Return Valves,
In-Line Mount, Wire Leads, Buna-N Seals**

Pressure	12-Volt	24-Volt
Vac. to 105 psig	EVO-3-12	EVO-3-24

the finest.
► fast!

Clippard



Cylinders

Considered the standard for industry quality for Stainless Steel, rolled-construction cylinders, and far more . . . Clippard also manufactures Corrosion-Resistant versions, Air Force One® compact cylinders, and the world's most complete line of miniature brass cylinders. From 5/32" to 3" bore.



The Finest Miniature Pneumatics. **Fast!**

Fittings, Hose, Air Jets & More!

For a complete line of miniature connection capabilities, accessories for air control, mufflers, and more, Clippard can meet the varied needs of the world (metric, too!).

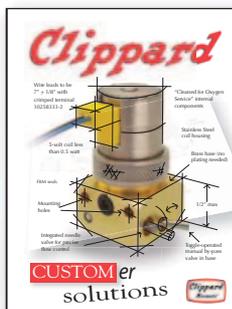


Maximatic® FLRs

Clippard offers many sizes from #10-32 up to 1" NPT Filters, Regulators, and Lubricators, and combination units. Their modern design and interconnecting brackets provide flexibility and facilitates simple field installation and/or modification.

Integrated Services

Clippard has created a division focused on integrated solutions for miniature pneumatics, providing sub-assemblies and even complete machines for markets from medical to packaging and beyond. Our capabilities include engineering, manufacturing, assembly and testing to assure the customer receives the right solution to add value to their core competencies.



Customer Solutions

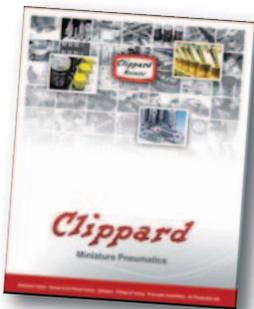
If you need a product that fits your application perfectly, Clippard has the capability and the interest to modify one of our products to suit your exact requirements. We have designed and applied thousands of special variations and product modifications from our standard, and are pleased to consider those for OEM applications.



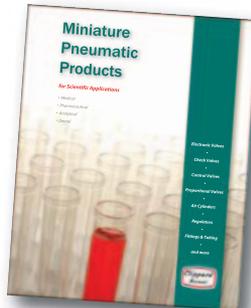
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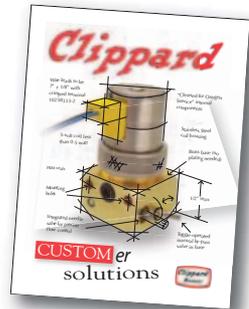
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Full-Line Product Catalog



Scientific Applications Brochure



Custom Solutions Brochure

