

# Clippard

## M-DR-2 Precision Regulators

Excellent Accuracy & Repeatability

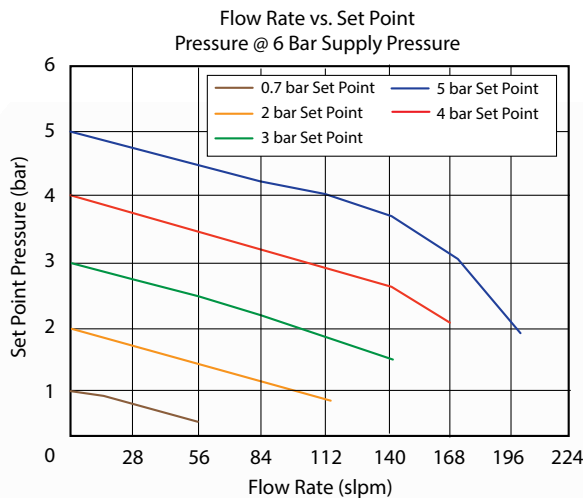


- Designed for applications where zero air consumption is required (non-bleed)
- Excellent corrosion resistance
- Relieving and non-relieving designs
- Manifold mount option
- ISO 9001

When Clippard invented miniature regulators in 1962, the M-MAR Series became very popular as a simple, robust, and cost-effective regulator in a small package with exceptionally long life.

As regulator applications continue to increase, Clippard is meeting the demand with the newest addition to the reputable regulator line. The new M-DR-2 Series provides greater accuracy and repeatability while maintaining the same flow and performance characteristics as the M-MAR regulators in a durable, sleek package.

These precision regulators are offered in either relieving or non-relieving versions. The relieving design maintains a constant pressure output even when downstream conditions change, while non-relieving regulators do not automatically compensate for changes in downstream flow or pressure. There is no vent to atmosphere, as in a relieving type regulator, and the output pressure can increase due to a downstream event. Non-relieving versions can also accommodate compatible liquid applications.



The M-DR-2 Series is not recommended for applications where dead-end, no flow is required.

### Specifications

<b>Medium</b>	Air, Water* or Oil*
<b>Input Pressure</b>	21 bar max.
<b>Repeatability</b>	± 0.03 bar
<b>Set Point Sensitivity</b>	≤ 0.03 bar
<b>Set Point Stability</b>	≤ 0.03 bar
<b>Temperature Range</b>	0 to 100°C
<b>Mounting</b>	M8x1.0 thread. Nuts and lockwashers furnished
<b>Material</b>	Electroless nickel plated brass body, FKM seals, PFPE lube, stainless steel adjustment screw and spring
<b>Adjustment</b>	An extended 3.4 mm shaft accepts an adjustment knob, or furnished with an exposed screwdriver slot with micro-adjustment (56 pitch thread).

\* Non-Relieving models only

### Order Information

Inlet	Outlet	Base Part No.	Adjustment	Type	Max. Pressure Range
M5 Female	M5 Female	M-DR-2	(blank) Slot	(blank) Relieving	(blank) 0.1 - 6.9 bar
R1/8 Male	M5 Female	M-DR-2P	K Knob	NR Non-Relieving	-1 0.03 - 0.7 bar
M5 Male	Manifold	M-DR-2M			-5 0.07 - 3.4 bar
Cartridge	Cartridge	M-DR-2C			
R1/8 Male	G1/8 Female	M-DR-2BP			

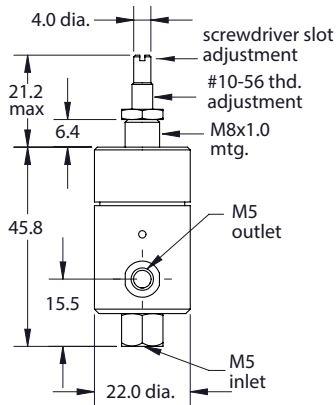
Example Part No.: M-DR-2KBP-5

Special configurations, preset options and imperial versions available. Consult Clippard.

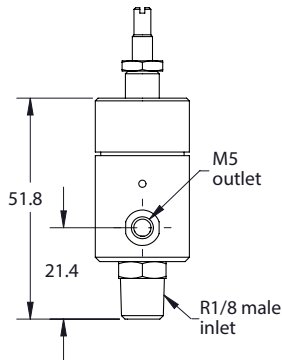
+32 10 45 21 34 | [clippard.eu](http://clippard.eu)

CLIPPARD INSTRUMENT LABORATORY, INC. • ISO 9001 • TDS 1.19  
For warranty and disclaimer information, visit [clippard.com/warranty](http://clippard.com/warranty)

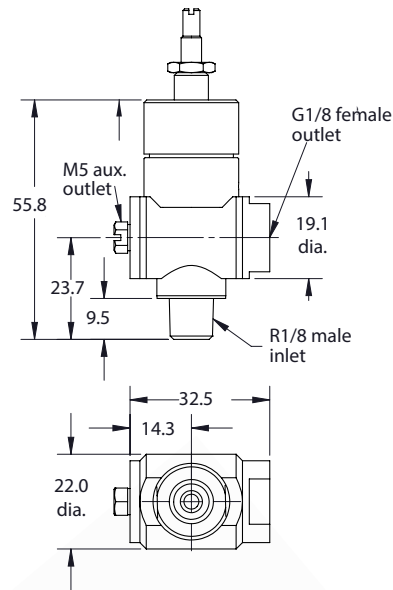
### M-DR-2



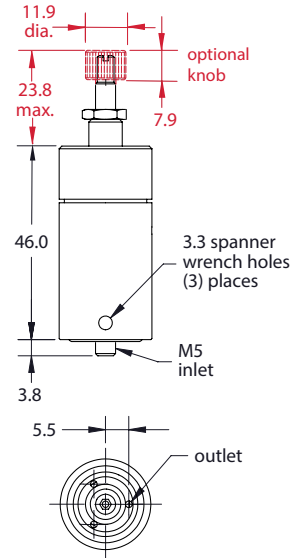
### M-DR-2P



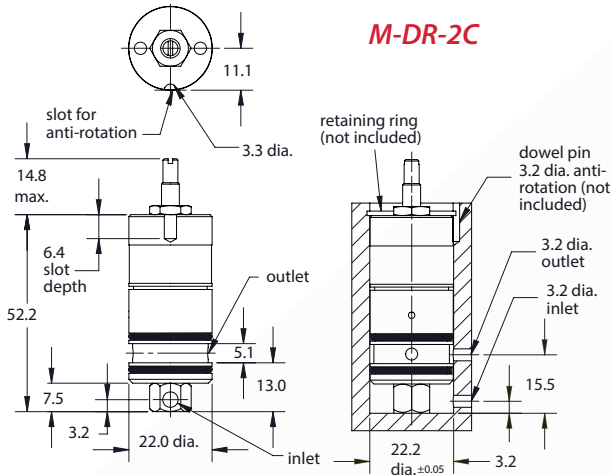
### M-DR-2BP



### M-DR-2M



### M-DR-2C



## CUSTOMer solutions



Special Body Configuration

Customer Special Cartridge Configuration

Professionally Distributed by:

+32 10 45 21 34 | [clippard.eu](http://clippard.eu)

CLIPPARD INSTRUMENT LABORATORY, INC. • ISO 9001 • TDS 1.1.20  
For warranty and disclaimer information, visit [clippard.com/warranty](http://clippard.com/warranty)

### Custom Regulators

#### Special Configurations & Assemblies

If you need a product that fits your application perfectly, Clippard has the capability to design or modify one of its products to suit your exact needs. We understand that a standard catalog product may be close but not be exactly what you need. We have the ability and capacity to give you what you want. Our Engineering Department has designed tens of thousands of special variations, modifications or completely special regulators and other products.

Call today with your unique application!

