

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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CIRCLE SEAL CONTROLS

MV92 Series

0–3000 psig Micro-metering Fingertip Valves



Features

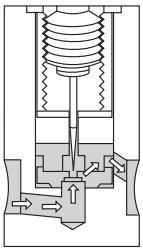
- Precision tapered needle/0.020 orifice provides ultimate in fine metering sensitivity.
- Unique "spline" device prevents stem withdrawal from body until gland nut is loosened.
- Packing below threads prevents system contamination.
- Permanent lubrication assures trouble-free operation.

Technical Data

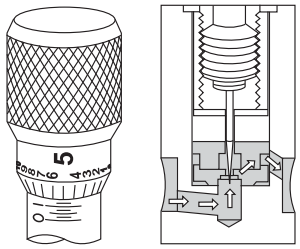
Body Construction Material	316 stainless steel
Gland Nut Material	316 stainless steel
Stem Seals Material	PTFE
Operating Pressures	0 to 3000 psig (207 bar)
Temperature Range	–20° F to +400° F (–29° C to +204° C)
Connection Sizes	⅛″–⅜″

Note: Proper filtration is recommended to prevent damage to sealing surface.

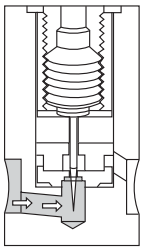
How it Works



Full Open
At approximately 10 handle turns, the valve is full open. As the needle is returned to the seat, the needle guide maintains pin-point concentricity of the needle with the seat to maintain absolute uniformity of flow control



Micro-metering
The body is graduated in handle turns. The handle has 25 graduations per turn for precise, repeatable flow calibration. The handle setscrew allows zero flow/ shutoff point to be reset in the field.



Closed
The stainless steel needle seals on the precision machined, stainless steel seat. The spring-loaded stem prevents damage to the needle by providing a full, ineffective handle turn before bottoming.

shutoff valves

Circle Seal Controls
2301 Wardlow Circle • Corona, CA 92880
Phone (951) 270-6200 • Fax (951) 270-6201
www.circlesealcontrols.com

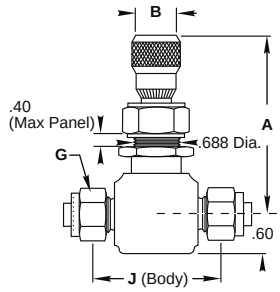
MV92 Series

Dimensions (inches) & Specifications

Tube Fittings

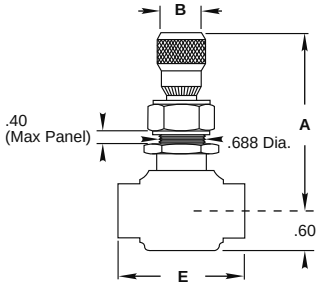
Dash No.	Size	Orifice Dia.	Cv*	A Open	A Closed	B Dia.	G Hex	J
2CC	⅛″	0.020	0.0096	3.00	2.76	0.75	0.44	1.90
4CC	¼″	0.020	0.0096	3.00	2.76	0.75	0.56	2.03
5CC	5⁄16″	0.020	0.0096	3.00	2.76	0.75	0.62	2.15
6CC	⅜″	0.020	0.0096	3.00	2.76	0.75	0.68	2.15

* *At maximum opening.*



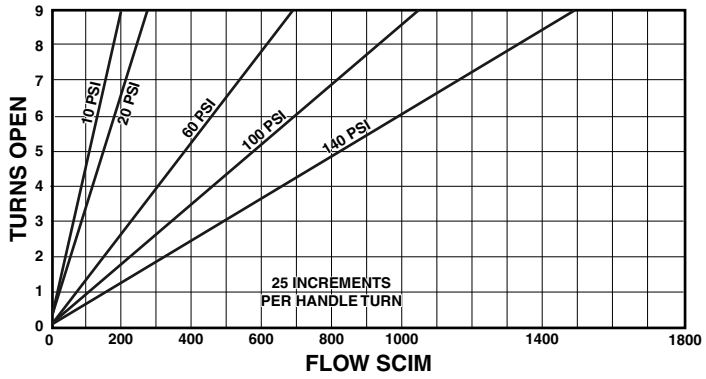
Female Pipe

Dash No.	Size	Orifice Dia.	Cv	A Open	A Closed	B Dia.	E
1PP	⅛″	0.020	0.0096	3.00	2.76	0.75	2.00
2PP	¼″	0.020	0.0096	3.00	2.76	0.75	2.14

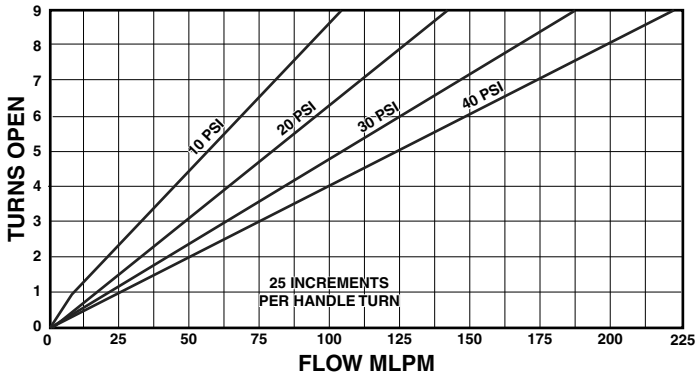


Flow Curves

Air



Water



How to Order

MV92 T1 – 4 C

BODY MATERIALS
- **T1** 316 stainless steel

VALVE SIZE
- **1** ⅛″ pipe
- **2** ¼″ pipe; ⅛″ tube
- **4** ¼″ tube

CONNECTIONS (INLET/OUTLET)
- **P** Female pipe
- **C** Gyrolok® tube fittings

Please consult your Circle Seal Controls distributor or our factory for information on special connections, materials, larger sizes, o-rings, operating pressures and temperature ranges.

Repair Kits

In normal service, the only part(s) which may require replacement is(are) the seal(s). A repair kit may be ordered by placing a "K/" in front of the complete part number (i.e. K/MV92T1–4CC).

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For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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