

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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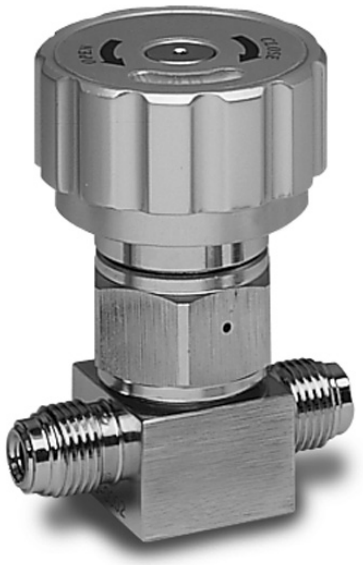
Visit our website - *Click HERE*

TITAN II® MS

All Metal, High Pressure Diaphragm Valves

VERIFLO
ISO 9001 Certified

Parker Hannifin Corporation's Veriflo Division presents the TITAN II® MS manual, springless diaphragm valve, which is specifically designed for high temperature, high pressure, high cycle, and ultra high purity applications.



features

- Springless stemless design.
- 6 Ra electropolished (EP) internal surface finish.
- Maximum allowable leakage: $1x10^{-9}$ scc/sec Helium.
- "VeriClean", Veriflo's custom high purity Type 316L Stainless Steel™.
- Manual and pneumatically actuated designs. Actuator pressure to open 70 psig min to 125 psig max.

materials of construction

Wetted

Body . . . . . "VeriClean", Veriflo's custom high purity Type 316L Stainless Steel™ optional Hastelloy C-22®or Nickel 200
Seat. . . . . Integral Metal
Diaphragm. . . . . Elgiloy®

Non-wetted

Bonnet . . . . . 303 Stainless Steel
Handle. . . . . Aluminum

operating conditions

Maximum operating pressure. . . . . 3000 psig (207 barg)
Minimum operating pressure. . . . . Vacuum

Maximum Temperature limit: . . . . . 150°F(65.5°C)

AOPActuation . . . . . -70 psig to 125 psig (4.8 barg to 8.6 barg)

functional performance

Flow capacity . . . . . C_V 0.27

Design Leak Rate:
Outboard . . . . . $1x10^{-9}$ scc/sec He
Inboard. . . . . $1x10^{-9}$ scc/sec He
Across seat. . . . . $1x10^{-9}$ scc/sec He

internal volume

1.55 cc

surface finishes

Standard Ra . . . . . 6 micro inch Ra (0.15 micro meter) EP surface finish

Catalog: 4505
LitPN: 25000179
Revision: A • 10/03

Parker Instrumentation

TITAN II® MS

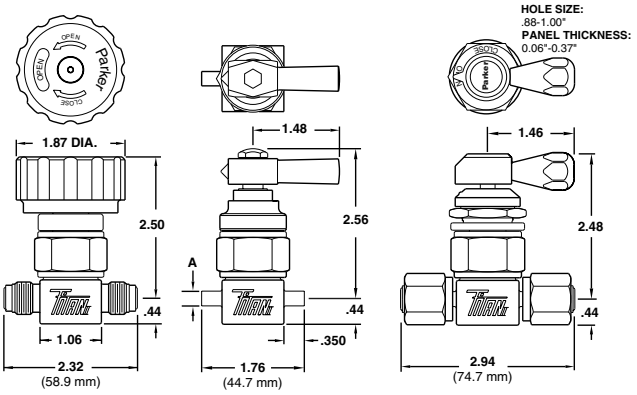
Dimensional Drawings

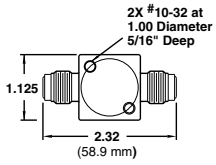
06 - Series
1/2 & 1/4 Turn
Round Handle

07 - Series:
1/4 Turn Lever Handle

07L - Series:
1/4 Turn Lever Indicator
Positional Handle

PANEL MOUNTING:
HOLE SIZE:
.88-1.00"
PANEL THICKNESS:
0.06"-0.37"

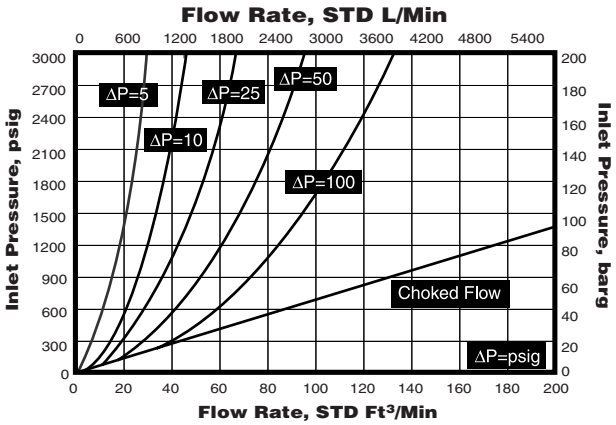


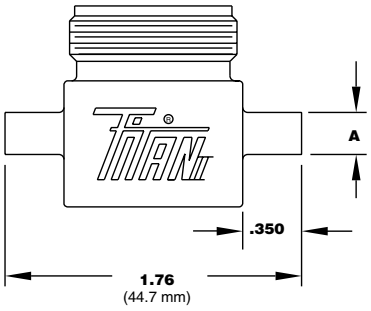


End Connections	Designator	End to End "L" in (mm)	"A" O.D. in (mm)
1/4" Tube Weld	TWTW	1.76 (44.7)	1/4 (6.4)
3/8" Tube Weld	TWTW	1.76 (44.7)	3/8 (9.5)
1/4" VacuSeal Male	VMVM	2.32 (58.9)	-
1/4" VacuSeal Female	VFVF	2.96 (75.2)	-
1/4" VacuSeal Male Swivel Nut	VMSVMS	3.94 (100.1)	-

Dimensions are for reference only.

Flow Curves





Ordering Information

07- 4 4 2 TW TW- MS

SERIES
06 - Series = Round Handle 1/2 turn (Standard)
06I - Series = Round Handle 1/4 turn (Optional)
07 - Series = Lever Handle 1/4 turn (Standard)
07L - Series = Indicating Lever Handle 1/4 turn (Optional)
94 - 06 = Pneumatic Actuator 3000 psig

INLET PORT SIZE
4 = 1/4"
6 = 3/8"

OUTLET PORT SIZE
4 = 1/4"
6 = 3/8"

MATERIAL
2 = 316L Stainless Steel™
16 = Hastelloy C-22®
31 = Nickel

INLET CONNECTION
TW = Tube Weld
VF = VacuSeal™ Female
VM = VacuSeal™ Male (1/4")
VMS = VacuSeal™ Male Swivel

Notes: Consult factory for additional Connection options

OPTIONAL FEATURES
CB1 = Constant Bleed 1 slpm
CB3 = Constant Bleed 3 slpm
MS = Metal Seat
Clear Handle - Standard - Leave Blank

Note: *Consult factory for additional handle options.*

OUTLET CONNECTION
TW = Tube Weld
VF = VacuSeal™ Female
VM = VacuSeal™ Male (1/4")
VMS = VacuSeal™ Male Swivel

VacuSeal™ is a trademark of Parker Hannifin Corporation.
Elgiloy® is a registered trademark of Elgiloy Corporation.
Hastelloy® is a registered trademark of Haynes International.

Parker Instrumentation

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.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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