

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.

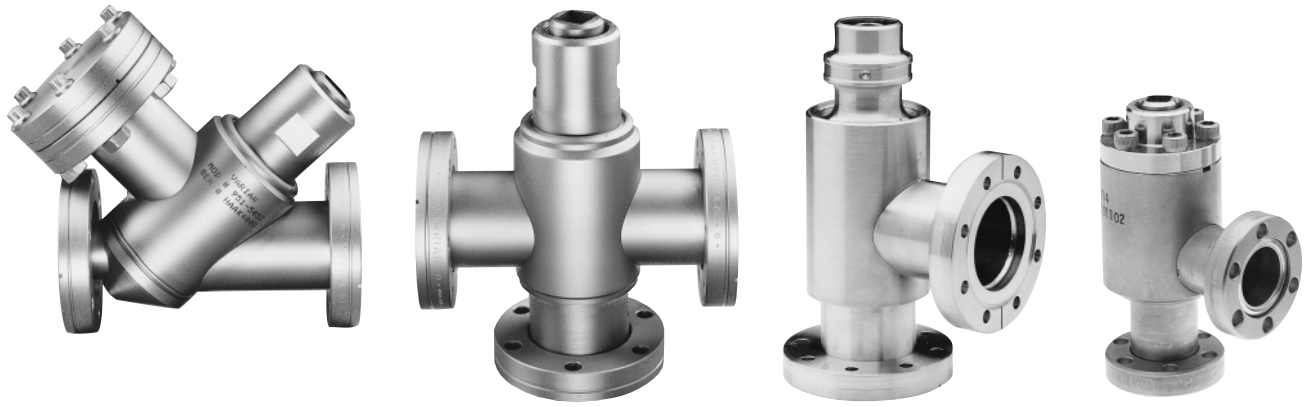
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

UHV All-Metal Valves



Varian all-metal bakeable valves are designed for use in ultra-high vacuum systems where bake-out temperatures up to 450° C preclude the use of elastomers and low melting temperature metals. The simplicity of the all-metal design, which employs the Varian ConFlat® flange sealing principle, assures a low maintenance unit giving maximum reliability and vacuum sealing from atmospheric pressure to below 10^{-11} torr (mbar).

Technical Specifications

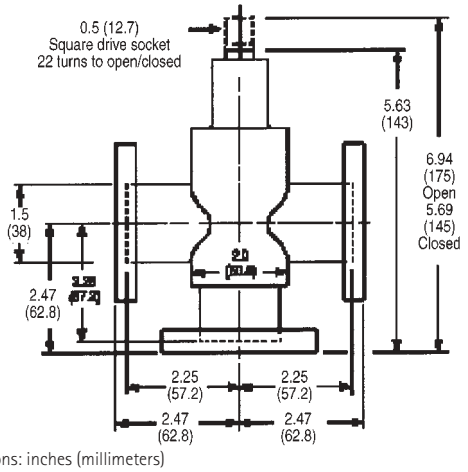
Vacuum Range
Atmosphere to 10^{-11} torr (mbar)
Total Leak Rate
$<1 \times 10^{-10}$ standard cc/sec (helium)
Bakeable To –
400° C (3/4 in. mini (NW16 CF) valve)
450° C (all others)

Conductance	
3/4 in.	5 l/s
1 1/2 in. T	40 l/s
1 1/2 in. R/A	36 l/s
1 1/2 in. Straight through	22 l/s
2 1/2 in.	118 l/s
Gasket Cycle Life	
400, 450 °C	30 cycles
Room Temperature	300 cycles

Ordering Information

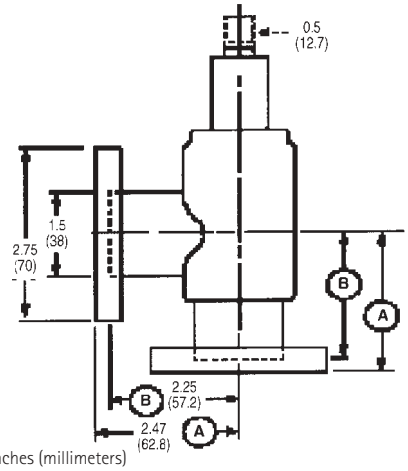
Description	**Part Number**	**Shipping Weight lbs. (kg)**
1 1/2 in. Straight-through valve with 2 3/4 in. (NW35) CFF, 0.9 in. minimum optical path	9515052	9.0 (4.0)
3/4 in. Right angle valve with mini (NW16) CFF	9515014	2.0 (0.9)
1 1/2 in. Valve with 2 3/4 in. (NW35) CFF		
Right angle valve	9515027	7.0 (3.2)
Tee valve	9515017	8.0 (3.6)
2 1/2 in. Valve with 4 1/2 in. (NW63) CFF right angle valve	9515032	17.0 (7.7)
Spare Parts		
Replacement main seal gasket		
For 3/4 in. valve (2/pkg)	9530079	0.5 (0.2)
For 1 1/2 in. valve (3/pkg)	9535033	0.5 (0.2)
For 2 1/2 in. valve (1/pkg)	9535039	1.0 (0.5)
Replacement bonnet gasket for 3/4 in. valve	9530080	0.5 (0.2)
Repair Kits		
For 3/4 in. valve with screw & nut, lubricant, main seal, and bonnet gasket	9620013	5.0 (2.3)
For 1 1/2 in. valve with main seal gasket, washers, special screw, screw socket, retractor screw, and lubricant	9620012	5.0 (2.3)
For 2 1/2 in. valve with main gasket and lubricant	Q2721301	5.0 (2.3)

1½ in. (2.75 CFF) Valve/Rotatable Flange on all Ports
9515017



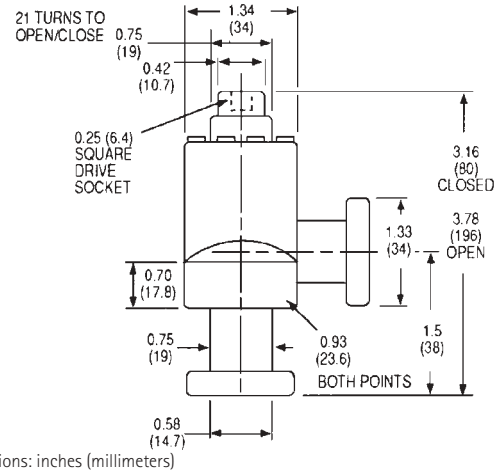
Dimensions: inches (millimeters)

1½ in. (2.75 CFF) Valve/Rotatable Flange on all Ports
9515027



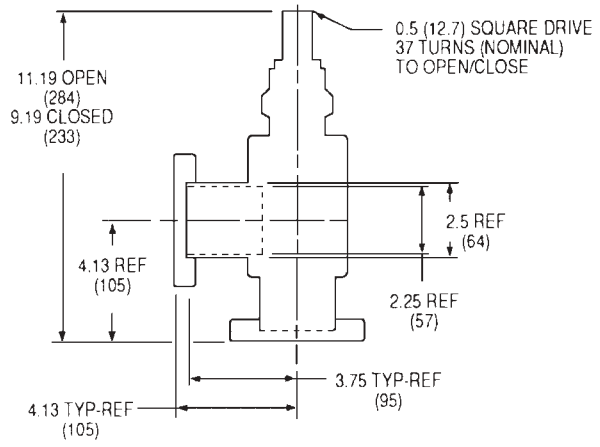
Dimensions: inches (millimeters)

¾ in. (1.33 CFF) Valve/Rotatable Flange on all Ports
9515014



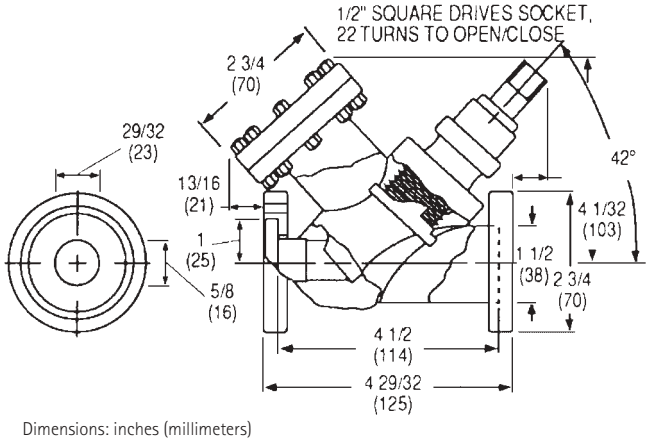
Dimensions: inches (millimeters)

2½ in. Valve/Rotatable Flange on all Ports
9515032



Dimensions: inches (millimeters)

1½ in. (2.75 CFF) Valve, 0.9 in. Minimum Optical Path
9515052



Dimensions: inches (millimeters)

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.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

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

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

ARTISAN® TECHNOLOGY GROUP