

ARTISAN®
TECHNOLOGY GROUP

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

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

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Custom engineering
so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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CV-SERIES

CONSTANT VOLUME VALVES

High Pressure & High Temperature Applications

The **CV-SERIES constant volume high pressure and high temperature valves** utilize our patented design which eliminates volume change during switchover as well as our tested and proven O-ring/back-up ring design for years of trouble free use.



Vindum CV-310 3-Way Valve (Ambient Temperature Model)

CV VALVE FEATURES:

- High Temperature , up to 320F (160°C)
- High Pressure, up to 20,000 psi service
- Hastelloy or Stainless Steel wetted parts
- On/Off or 3-Way/4-position
- Many seal materials available
- Special valve designs on requests

CV VALVES ARE IDEAL FOR APPLICATIONS REQUIRING:

- High Pressure
- High Temperature (including installation in an oven)
- Corrosion Resistant Materials
- Pulse-Free Switching
- Small Dead Volumes
- High Speed Switching
- OEM Applications
- Solenoid Pilot Valve Control (12 VDC or 24VDC)
- Automated Equipment
- Laboratory Equipment
- Computer Control
- No Trapped Fluids
- Use with Liquid of Gaseous CO2
- Constant Volume During Switching



Vindum CV-210 On/Off Valve (High Temperature Model)

VINDUM ENGINEERING, INC.

Get more information or request a quote at: www.vindum.com

CV-SERIES High Pressure, Automated Valves

MODEL	VALVE TYPE	PRESSURE	C_v	CONNECTION
CV-210	On/Off	10,000 psi	0.055	1/8” W125 AE SpeedBite
CV-405	On/Off	5,000 psi	0.1	1/4” SW250 AE SpeedBite
CV-410	On/Off	10,000 psi	0.085	1/4” SW250 AE SpeedBite
CV-420	On/Off	20,000 psi	0.05	1/4” AE F250C or HiP HF2
CV-425	On/Off	25,000 psi	0.01	1/4” AE F250C or HiP HF2
CV-310	3-Way/4-Position	10,000 psi	0.055	1/8” W125 AE SpeedBite
CV-505	3-Way/4-Position	5,000 psi	0.10	1/4” SW250 AE SpeedBite
CV-510	3-Way/4-Position	10,000 psi	0.085	1/4” SW250 AE SpeedBite
CV-520	3-Way/4-Position	20,000 psi	0.05	1/4” AE F250C or HiP HF2
CV-525	3-Way/4-Position	25,000 psi	0.01	1/4” AE F250C or HiP HF2

How CV Valves Work:

Pneumatic Valve Actuation: CV valves open/close via compressed air (75 to 100 psi) connected to a solenoid pilot valve. The solenoid valve directs the compressed air to fittings on the side of the valve. Air directed to one fitting opens the valve; compressed air directed to the other fitting closes the valve.

Valve Control: 12VDC or 24VDC signal to the solenoid pilot valves (sold separately) triggers the compressed air to open or close the CV valve.

Air Fittings on Valves: Air fittings are a **push-in type** for ambient use (<175°F / 80°C) and **Compression type** for high-temp applications (to 320° F / 160°C).

Fluid Seal Options: **Viton (standard)**, **Aflas, Buna-N, EPDM, Teflon, UHMW, Chemraz,** others on request

Custom CV Valves available on request.
Please contact us to discuss your valve requirements

CONTACT US:

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

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