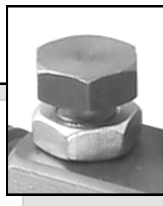


## CV-SERIES INDICATOR VALVES

CV-72



VENT VALVE



CV-72-90



### LOCKING HANDLE OPTION

All CV-series valves are now available with a safety Locking Handle (LH) option to prevent accidental opening or closing of the valve.

With this option, the handle must be lifted slightly to open or close the valve. The overall valve dimensions remain the same.

### DESIGN FEATURES

1. **FULL OPENING, QUARTER TURN BALL VALVES:** Designed specifically for analyzing the performance of gas compressor cylinders. The valve has a compact design, built-in safety features and a fast acting 1/4 turn ball shutoff.
2. **LARGE THRU HOLE PASSAGE:** A 3/8" diameter thru hole insures minimum pressure drop and reduces passageway resonance, resulting in accurate analyzer readings.
3. **VENT VALVE:** A vent valve allows pressure between the shut-off ball and the transducer to be discharged before removing the transducer.
4. **FAST OPERATING ACTION:** The large quarter-turn handle provides an efficient method of opening and closing the valve and improving operator efficiency.
5. **INTERNAL RETAINING INSERT:** The Internal Retaining Insert insures that the ball and stem will not be accidentally dislodged under pressure.

**GENERAL DESIGN FEATURES:** Ball and stem are hard chrome. Seats are a proprietary filled PTFE. Maximum operating pressure is 2,000 p.s.i. and maximum operating temperature is 250°.

### ORDERING INFORMATION

**MODEL CV-70:** 1/2NPT (male) compressor connection, 1/2NPT (female) transducer connection, 1-3/4" installation radius, 4-1/2" overall length.

**MODEL CV-72:** 1/2NPT (male) compressor connection, standard indicator connection, 1-3/4" installation radius, 4-5/8" overall length.

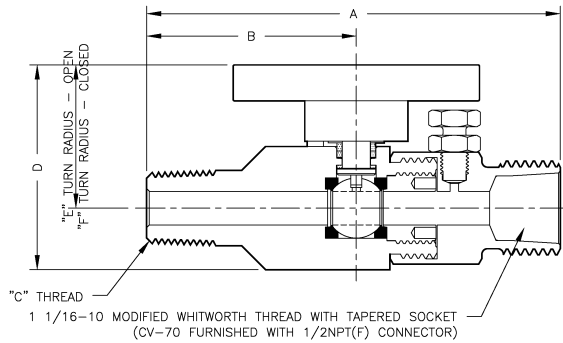
**MODEL CV-73:** 3/4NPT (male) compressor connection, standard indicator connection, 1-3/4" installation radius, 4-5/8" overall length.

**MODEL CV-74:** 1/2NPT (male) compressor connection, standard indicator connection, 1-3/4" installation radius, 5-1/2" overall length.

**MODEL CV-72-90:** 1/2NPT (male) compressor connection, 90° standard indicator connection, 1-3/4" installation radius, 4-5/32" overall length.

**LOCKING HANDLE OPTION:** Add "LH" to model number for Locking Handle Option (example: CV-70LH).

**"N" OPTION:** For "sour gas" applications add "N" to model number (example: CV-72N).

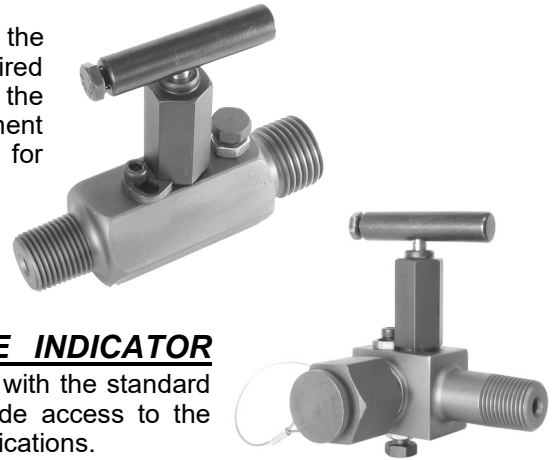


DIMENSIONS

VALVE MODEL	A	B	C	D	E	F	WT. (LBS)
CV-70	4-1/2	2-11/32	1/2NPT	2-5/16	1-3/4	2-1/8	1.5
CV-72	4-5/8	2-11/32	1/2NPT	2-5/16	1-3/4	2-1/8	1.4
CV-73	4-5/8	2-11/32	3/4NPT	2-5/16	1-3/4	2-1/8	1.5
CV-74	5-5/8	3-11/32	1/2NPT	2-5/16	1-3/4	2-1/8	1.5

**For special applications or thread configurations, contact the factory. We will quote specials in any quantity.**

**KN-SERIES NEEDLE-TYPE INDICATOR VALVES:** In the past, the analysis of compressors operating at higher pressures required the use of standard needle valves with an add-on adapter to provide the indicator connection. The irregular flowpath of this arrangement produced channel resonance and inaccurate analysis results. Ask for the KN-Series leaflet.



**KN-SERIES 90° NEEDLE-TYPE INDICATOR VALVES:** These valves are arranged with the standard indicator connection at 90°. They provide access to the compressor connection in confined applications.



**V-LINE INDICATOR VALVES:** The industry standard for **power cylinders**. Features compact, Kiene "open against/close with pressure" design to prevent inadvertent opening. All-steel construction. Ask for Leaflet 150.

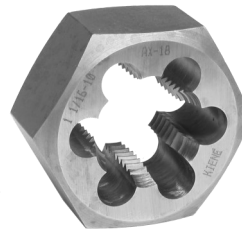
**INDICATOR VALVE ACCESSORIES:**



**VALVE ADAPTERS**  
Available in many configurations for installation flexibility. See Leaflet 156.



**INDICATOR EXTENSIONS**  
Allows transducers to reach difficult locations. Ask for Leaflet 156.



**AX-18 NU THRED DIE**  
For dressing and cleaning damaged or corroded indicator threads. See Leaflet 200.



**AX-19 T-HANDLE WRENCH**  
Recommended for opening and closing V-line indicator valves. Prevents overtightening of valve stem. Ask for Leaflet 200.