



Controls Ltd.

## INSTRUCTION MANUAL

### CVS Series Isolation Valve

#### Introduction

The CVS Series Isolation Valve is the ideal solution to allow calibration or servicing of The CVS Controls Series 2000 Pressure Pilot without shutting down the process flow line.

#### Features

Quarter turn open/closed operation

Lockout feature – Allows Isolation Valve to be in locked out in either fully open or fully closed position.

Safety Feature – Blow out proof stem prevents the isolation valve stem to be removed while under pressure

Spring loaded stem seal allows for temperature fluctuations, providing a tight seal due to expansion and contraction. As well as normal wear.

Seating provides a low pressure seal as well as high pressure support while minimizing operating torque. Slotted seats relieve upstream pressure to provide extended service life and lower operating torques.

ABSA CRN# 0C16004.2



#### Specifications

Model - CVS IB-2	
Maximum Working Pressure	3000 PSIG
Temperature Rating	-45°C to 65°C (-50°F to 50°F)
Sensor Connection	2" NPT Female
Process Connection	1-1/2" NPT Male
Side Connections	Two Female 1/2" NPT
Weight	12 lbs

#### OPTIONAL:

Pressure Gauge  
Side Needle Valve  
Flanged Process Connection  
Sour Service

Contact a CVS Controls Representative for more information.

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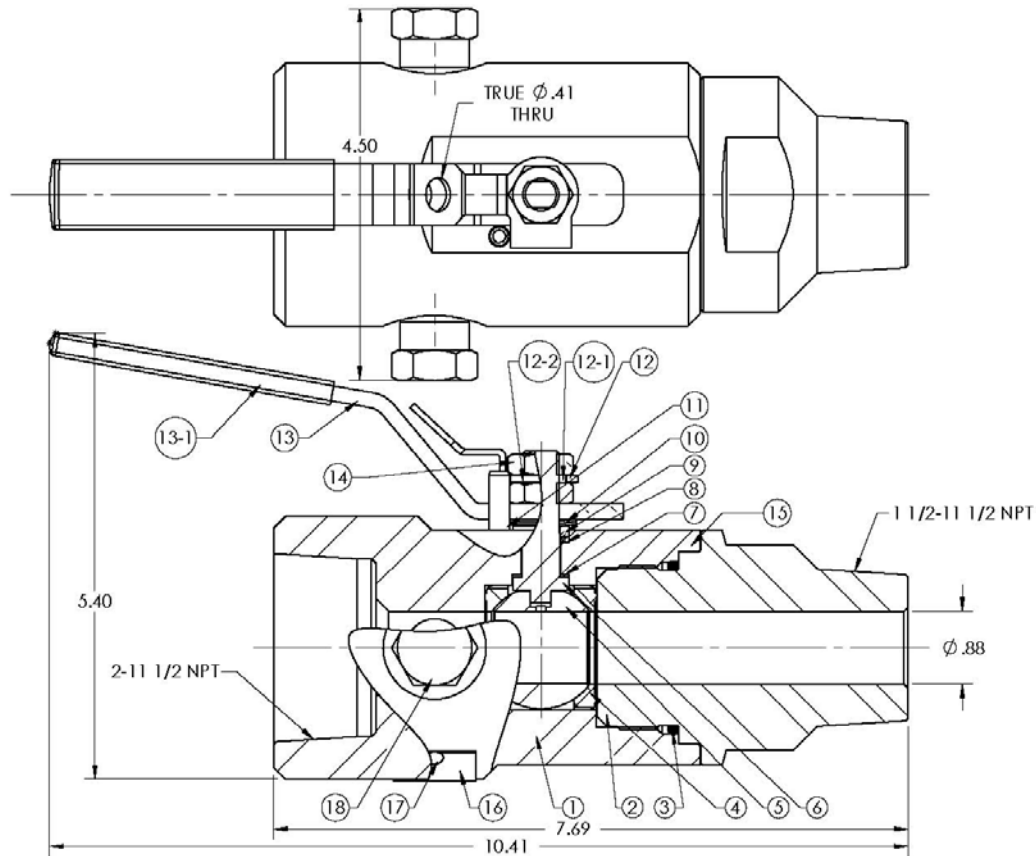
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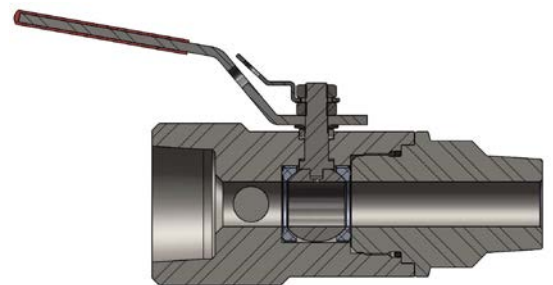
Fax: (403) 291-9487

## CVS Series Isolation Valve – Assembly and Dimensions (inches)



### CVS IB-2

ITEM	DESCRIPTION	MATERIAL	QTY.
1	CVS IB-2-001, BODY	A350-LF2 Zn PL	1
2	CVS IB-2-002, CAP	A350-LF2 Zn PL	1
3	CVS IB-2-003, O-RING	VITON	1*
4	CVS IB-2-004, SEAT	DELTRIN	2*
5	CVS IB-2-005, BALL	316 SST CHROME COATED	1
6	CVS IB-2-006, STEM	17-4 PH DHT 1150	1
7	CVS IB-2-007, THRUST WASHER	DELTRIN AF	1*
8	CVS IB-2-008, STEM PACKING	15% GFT	1*
9	CVS IB-2-009, PACKING FOLLOWER	316 SST	1
10	CVS IB-2-010, BELLEVILLE WASHER	302 SST	2
11	CVS IB-2-011, STOP PIN	420 SST	1
12	CVS IB-2-012, LOCK PLATE	316 SST	1
12-1	CVS IB-2-012-1, SPACER	316 SST	1
12-2	CVS IB-2-012-2, SPRING WASHER	302 SST	1
13	CVS IB-2-013, HANDLE	A366 Zn PL	1
13-1	CVS IB-2-013-1, HANDLE COVER	VINYL	1*
14	CVS IB-2-014, STEM NUT	304 SST	2
15	CVS IB-2-015, SETSCREW(NOT SHOWN)	304 SST	2**
16	CVS IB-2-016, NAME PLATE	304 SST	1
17	CVS IB-2-017, DRIVE SRCEW	304 SST	2
18	CVS IB-2-018, PLUG, TEST SHIP	A105 Zn PL	2



\* Repair Kit – SPRK-ISO-20

\*\* Optional

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