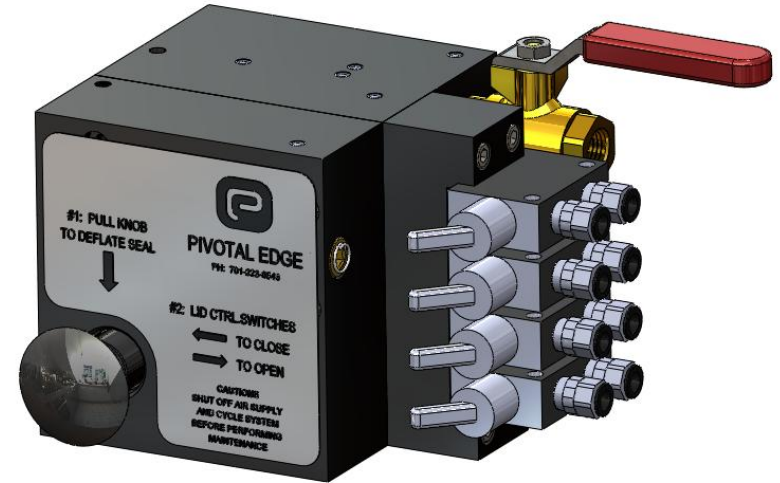


2012 PIVOTAL EDGE VALVE OVERVIEW

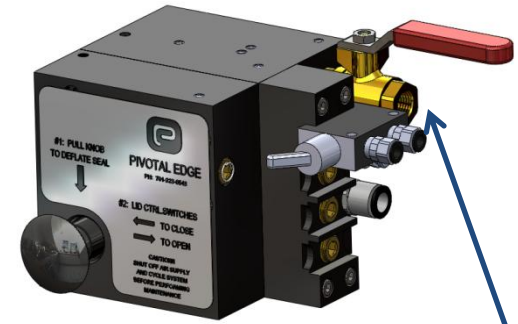
2012 VALVE IMPROVEMENTS AND ADVANTAGES

- LOWER COST
- MULTIPLE COVER OPERATION ON ONE CONTROL UNIT (1-4 COVERS, FIELD CHANGEABLE)
- LOCK OUT OF INDIVIDUAL COVERS (NO AIR PRESSURE)
- FIELD SERVICABLE CONTROL VALVE
- INCREASED SIZE OF INTERNAL PARTS CREATING HIGHER RELIABILITY
- ALL FORMERLY EXTERNAL FEATURES HAVE BEEN INTERNALIZED (See A) REDUCING PLUMBING AND FITTINGS BY ~90% RESULTING IN FEWER LEAKS AND MORE ROBUSTNESS
- POTENTIAL COST SAVINGS IN CYLINDER DESIGN
- ELIMINATING NEED FOR END OF STROKE FEEDBACK
- ELIMINATION OF ENCLOSURE
- CAN REPLACE EXISTING VALVE INSTALLS



- A.
INTERNALIZED COMPONENTS:
1. CHECK VALVES
 2. VACUUM
 3. PRESSURE REGULATOR
 4. ALL PLUMBING

2012 PIVOTAL EDGE VALVE 3 VIEW AND OPERATION

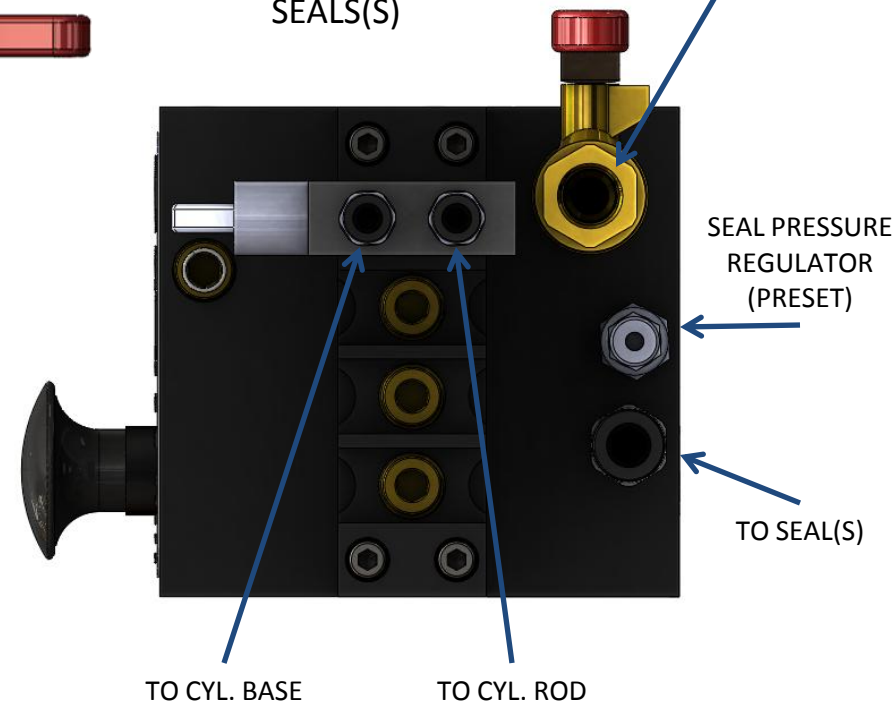
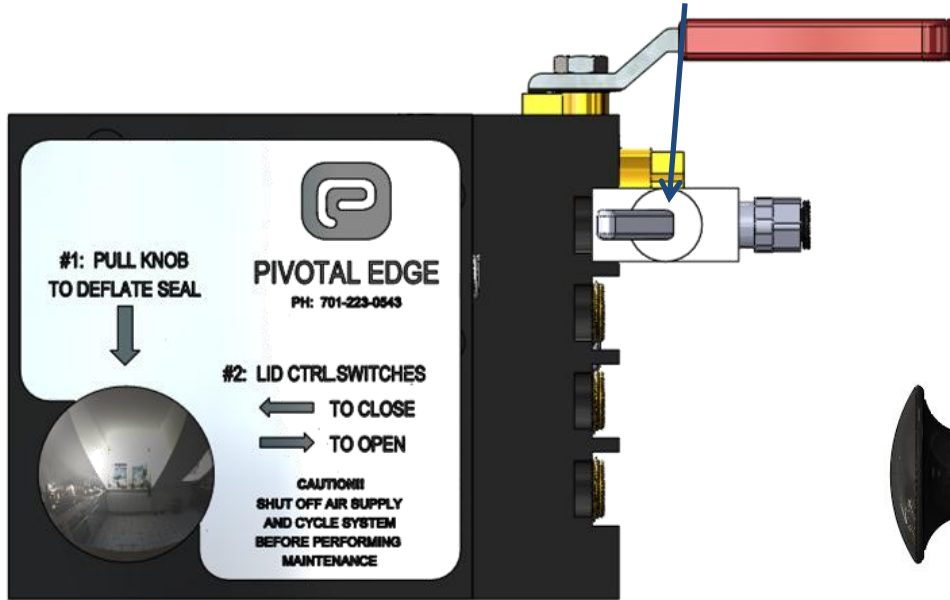


SHUT OFF VALVE MAY VARY FROM PICTURED

STEP #1:
PULL MAIN CONTROL
BUTTON TO DEFLATE ALL
SEALS

STEP #2:
SIMPLY SWITCH THE VALVE
TO OPEN OR CLOSE LID
PER THE INSTRUCTIONS

STEP #3: TO CLOSE,
PUT ALL TOGGLE VALVES TO
CLOSED POSITION THEN
PUSH KNOB TO INFLATE
SEALS(S)



NOTE: WHEN VACUUM IS ACHIEVED ON SEAL LINE, IT ENABLES CONTROL OF LIDS (UP TO 4).....WITHOUT VACUUM, LID CONTROLS ARE DISABLED.

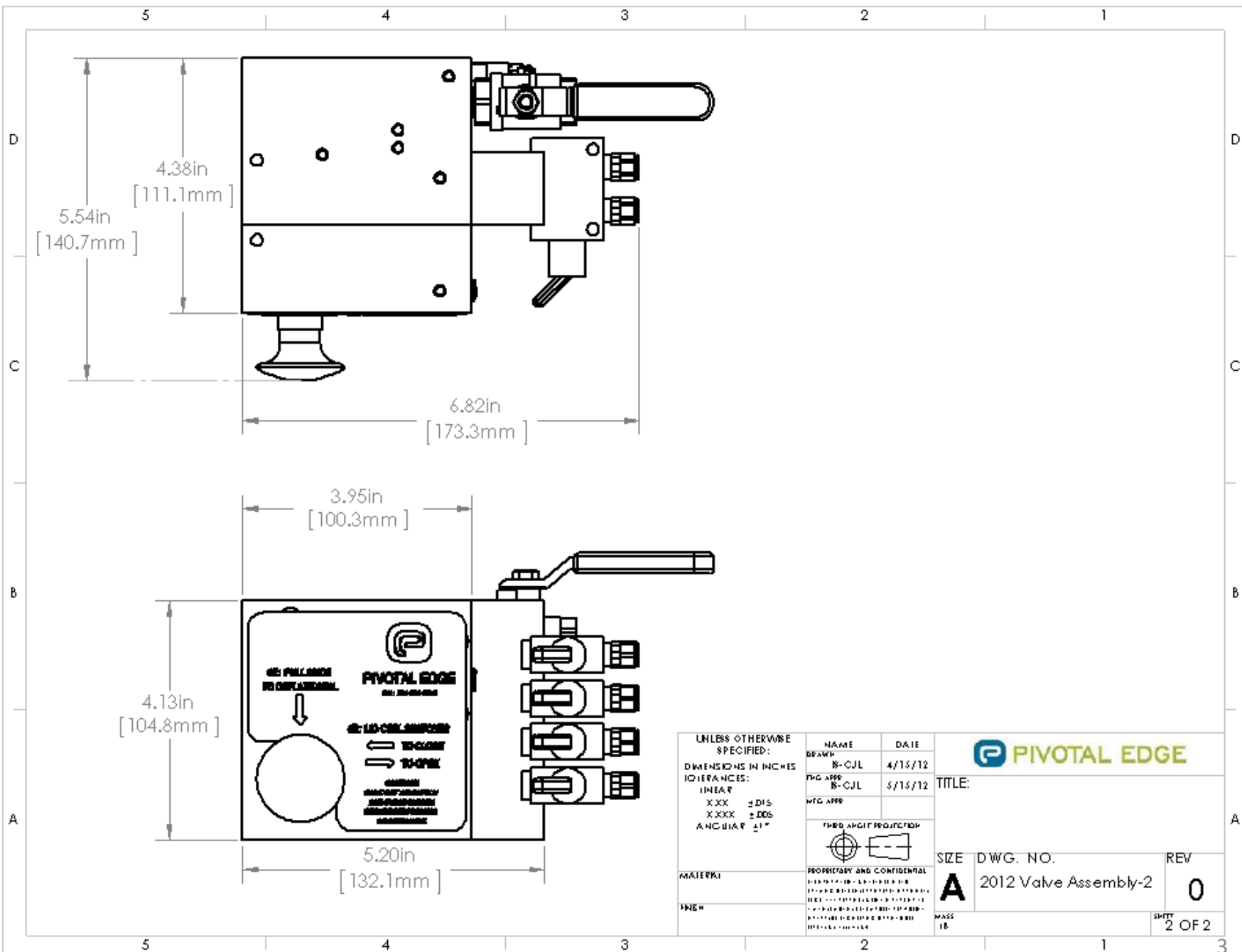
AIR SUPPLY IN

SEAL PRESSURE
REGULATOR
(PRESET)

TO SEAL(S)

TO CYL. BASE

TO CYL. ROD



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS IN INCHES
 TOLERANCES:
 LINEAR
 XXX ±.015
 XXXX ±.005
 ANGLE ±1°

NAME	DATE
DESIGNER: B-CJL	4/15/12
FIG. APP: B-CJL	5/15/12
WTO APP:	
THIRD ANGLE PROJECTION	
<small>PROPRIETARY AND CONFIDENTIAL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 05-15-2012 BY 60322 UNCLASSIFIED//FOR RELEASE</small>	

PIVOTAL EDGE

TITLE:

SIZE	DWG. NO.	REV
A	2012 Valve Assembly-2	0

DATE: 5/15/12

SKETCH: 2 OF 2