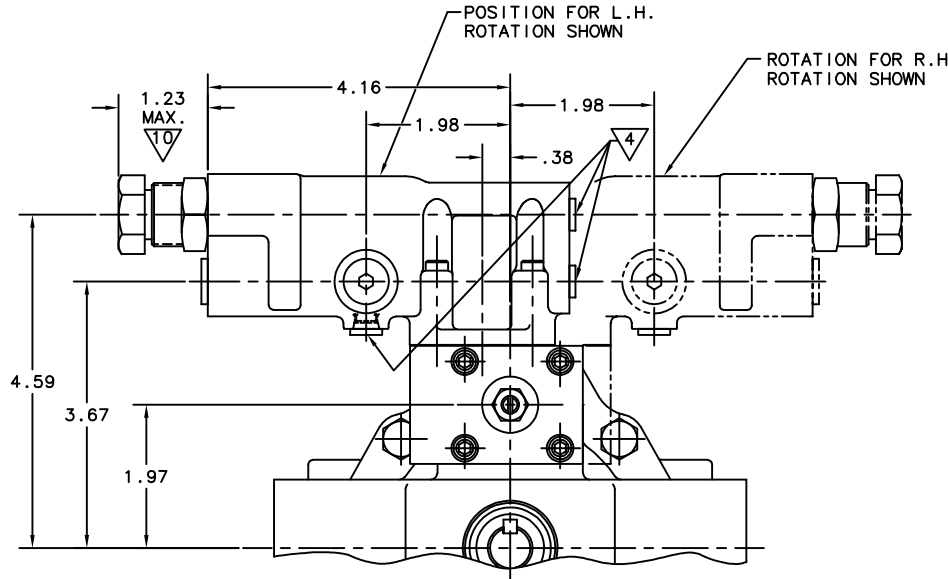
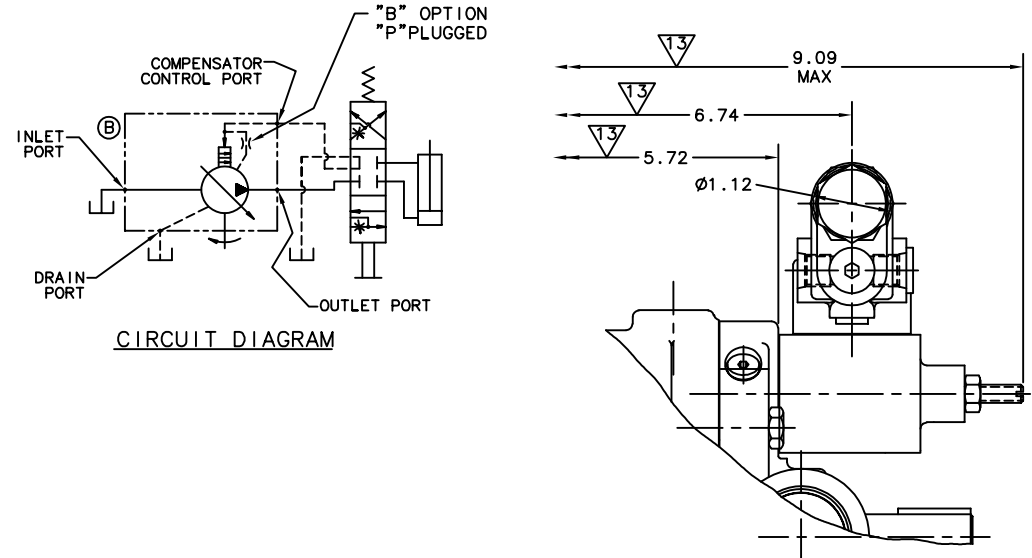


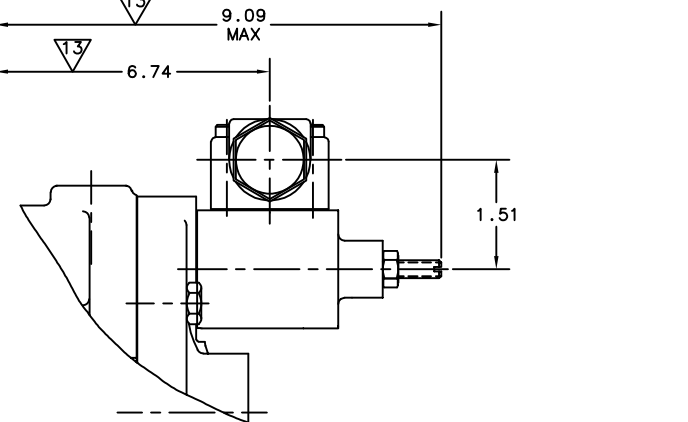
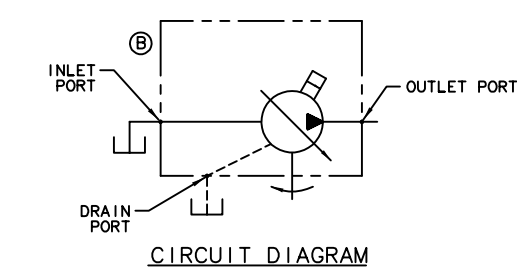
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
SEE SHEET 1 FOR REVISION				



"CVP" LOAD SENSE & PRESSURE LIMITER
WITH MAXIMUM ADJUSTABLE STOP

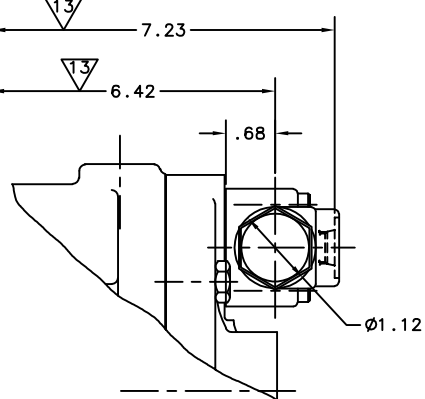
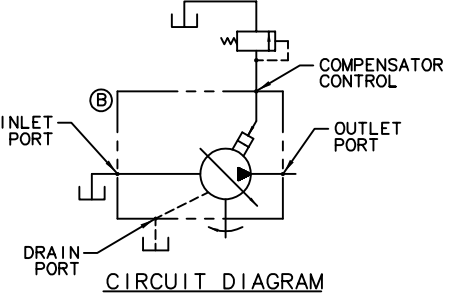
1. INSTALLATION INFORMATION:
HORIZONTAL MOUNTING IS RECOMMENDED TO MAINTAIN NECESSARY CASE FLUID LEVEL. THE CASE DRAIN LINE MUST BE FULL SIZE UNRESTRICTED AND CONNECTED FROM THE UPPERMOST DRAIN PORT DIRECTLY TO THE RESERVOIR IN SUCH A MANNER THAT THE HOUSING REMAINS FILLED WITH FLUID. PIPING OF DRAIN LINE MUST PREVENT SIPHONING. PIPE DRAIN LINE SO THAT IT TERMINATES BELOW RESERVOIR FLUID LEVEL. NO OTHER LINES ARE TO BE CONNECTED TO THIS DRAIN LINE. CAUTION MUST BE EXERCISED TO NEVER EXCEED 5 PSI UNIT CASE PRESSURE.
STARTING:
BEFORE STARTING, FILL CASE WITH SYSTEM FLUID THRU UPPERMOST DRAIN PORT. HOUSING MUST BE KEPT FULL AT ALL TIMES TO PROVIDE INTERNAL LUBRICATION.
2. THE MAXIMUM ECCENTRICITY BETWEEN SHAFT O.D. (OR SPLINE P.D.) AND PILOT DIA. IS .008 T.I.R. WHICH INCLUDES AN ECCENTRICITY OF .003 T.I.R. BETWEEN THE SHAFT AND ITS BEARING PILOT. MAXIMUM SQUARENESS DEVIATION OF MOUNTING FLANGE FACE TO AXIS OF SHAFT IS .0015 IN/IN. MATING PART TOLERANCES AND INSTALLATION PRACTICES MUST BE COMPATIBLE SO THAT INTERFERENCES DO NOT RESULT IN SHAFT SIDE LOAD DURING OPERATION. A COUPLING MAY BE USED TO PERMIT GREATER TOLERANCES IF IT DOES NOT RESULT IN SHAFT SIDE LOAD.
3. PUMP RATINGS

MODEL	THEO. MAX. DISPLACEMENT	MAX. OUTLET PRESSURE	OPERATING SPEEDS		
			Ø 5"H ₂ VACUUM INLET	MAX. RECOMMENDED	
PVB5	.843 C.I.R.	3000 PSI	2400 RPM	3600 RPM	Ø 8 PSI SUPERCHARGE
PVB6	.843 C.I.R.	2000 PSI	2200 RPM	3200 RPM	Ø 5 PSI SUPERCHARGE

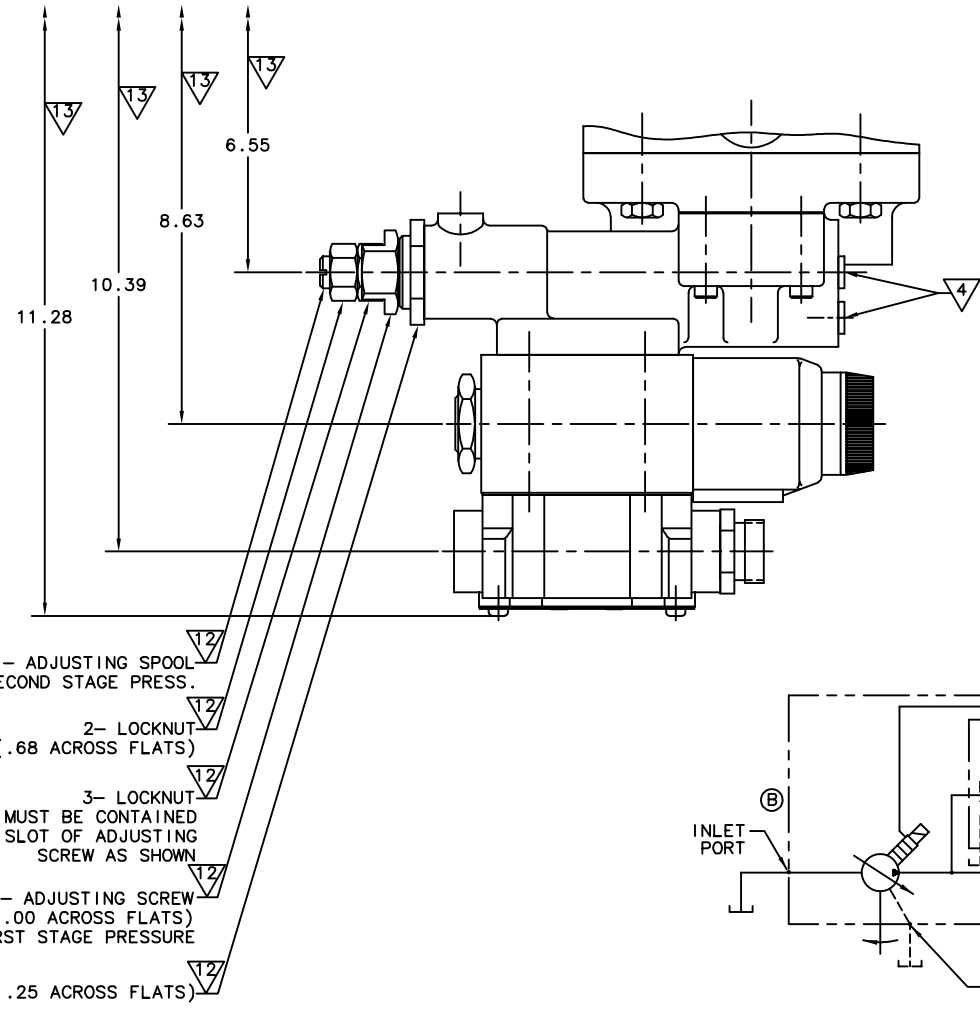
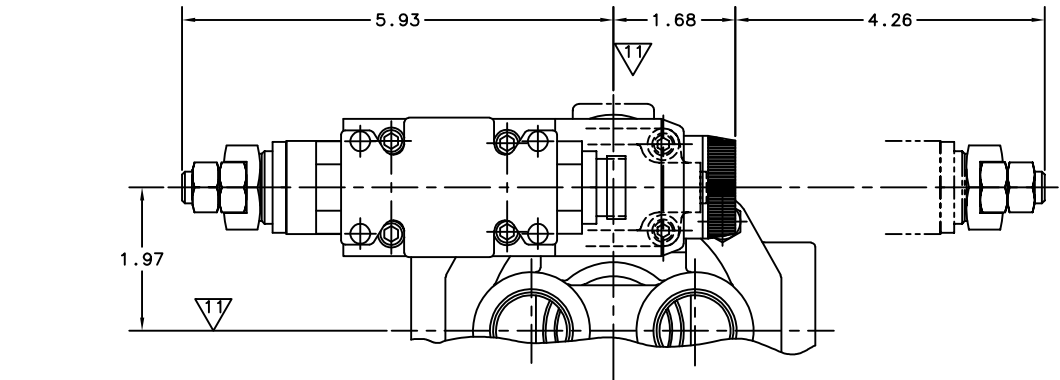
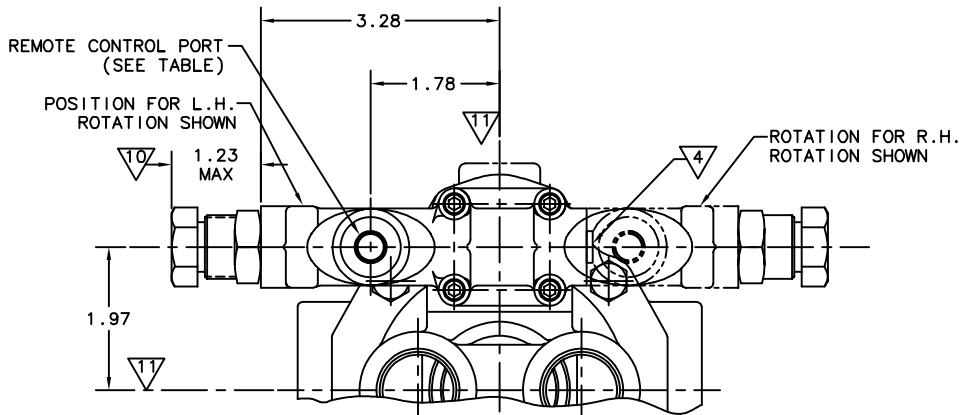


PRESSURE COMPENSATOR CONTROL
WITH MAXIMUM ADJUSTABLE STOP

- CONSTRUCTION PLUG - DO NOT REMOVE.
- CARE SHOULD BE TAKEN THAT MECHANICAL AND HYDRAULIC RESONANCES ARE AVOIDED IN THE APPLICATION OF THIS COMPONENT. SUCH RESONANCES CAN SERIOUSLY COMPROMISE THE LIFE AND/OR SAFE OPERATION OF THE COMPONENT.
- TOLERANCES: (UNLESS OTHERWISE SPECIFIED)
ANGULAR AND PARALLEL RELATIONSHIPS $\pm$.030"
2 PLACE DECIMALS $\pm$.060"
5 PLACE DECIMALS $\pm$.020"
- MAXIMUM INPUT TORQUE IS 354 IN.-LBS. WITH NO OVERHUNG LOAD. APPLICATIONS REQUIRING OVERHUNG LOAD CAPABILITY OR OTHER SHAFT ENDS ARE SUBJECT TO APPROVAL BY DANFOSS ENGINEERING.
- DATE, MODEL CODE AND ASSEMBLY NUMBER STAMPED ON THIS PLATE UNLESS OTHERWISE SPECIFIED.
- ROTATION & OUTLET PORT LOCATION LABEL
- COMPENSATOR ADJUSTMENT KNOB. DO NOT BACK ADJ. KNOB BEYOND 1.23 DIM.
- SHAFT CENTERLINE.



"CG" REMOTE CONTROL



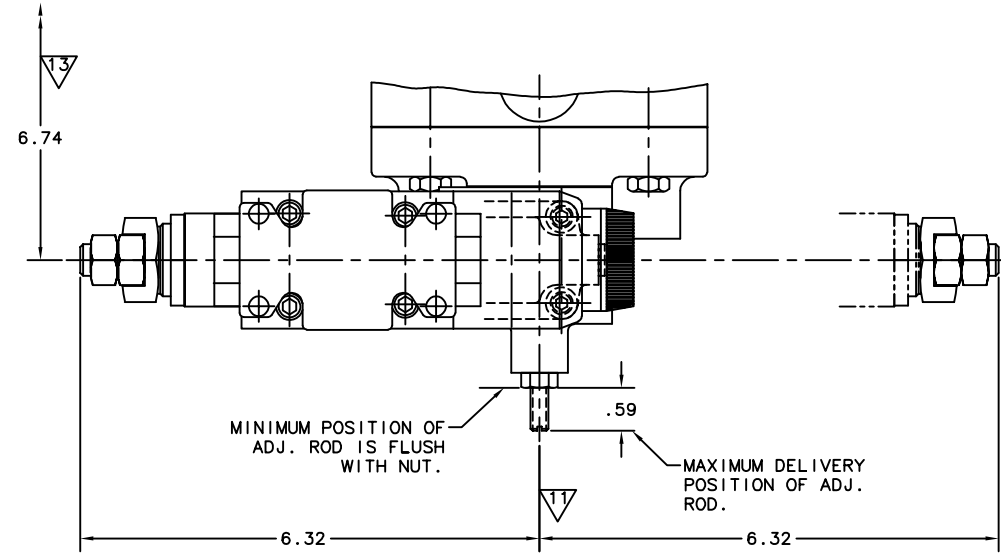
- 1- ADJUSTING SPOOL SETS SECOND STAGE PRESS.
- 2- LOCKNUT (.68 ACROSS FLATS)
- 3- LOCKNUT LOCKNUT MUST BE CONTAINED WITHIN SLOT OF ADJUSTING SCREW AS SHOWN
- 4- ADJUSTING SCREW (1.00 ACROSS FLATS) SETS FIRST STAGE PRESSURE
- 5- LOCKNUT (1.25 ACROSS FLATS)

CIRCUIT DIAGRAM

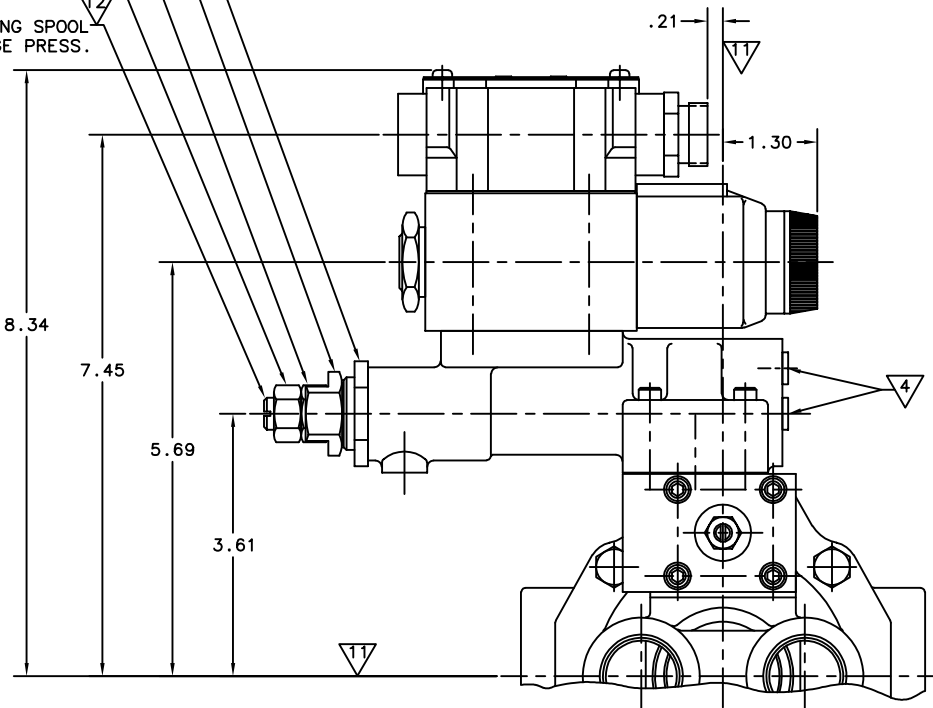
"CD" ELECTRIC DUAL RANGE COMPENSATOR

- "CD" & "CCD" CONTROL ADJUSTMENT (ELECTRICAL -115 VOLTS 60 CYCLE)
- 1. WITH THE DIRECTIONAL VALVE DE-ENERGIZED, LOOSEN LOCKNUT "5" AND TURN THE ADJUSTING SCREW "4" TO THE DESIRED FIRST STAGE PRESSURE SETTING AND TIGHTEN LOCKNUT "5".
- 2. WITH SOLENOID DE-ENERGIZED, TURN ADJUSTING SPOOL "1" COUNTER-CLOCKWISE (CCW) UNTIL NUT "3" IS BOTTOMED IN ADJUSTING SCREW SLOT. (SECOND STAGE SETTING IS NOW EQUAL TO FIRST STAGE PRESSURE SETTING. TURN ADJUSTING SPOOL CLOCKWISE (CW) TO DESIRED SECOND STAGE PRESSURE REQUIREMENTS. ONE COMPLETE TURN OF ADJUSTING SPOOL EQUALS APPROXIMATELY 600 PSI. ENERGIZE SOLENOID AND CHECK PRESSURE SETTING. DE-ENERGIZE SOLENOID AND READJUST IF NECESSARY. SECURE THIS SETTING BY TIGHTENING LOCKNUT "2".
- DIMENSION TO MOUNTING FLANGE

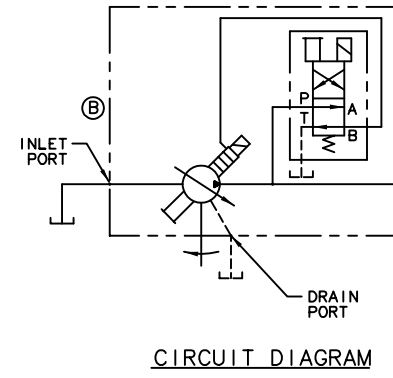
ROTATION	OUTLET	INLET
R.H.	PORT "B"	PORT "A"
L.H.	PORT "A"	PORT "B"



- 5- LOCKNUT (1.25 ACROSS FLATS)
- 4- ADJUSTING SCREW (1.00 ACROSS FLATS) SETS FIRST STAGE PRESSURE
- 3- LOCKNUT LOCKNUT MUST BE CONTAINED WITHIN SLOT OF ADJUSTING SCREW AS SHOWN
- 2- LOCKNUT (.68 ACROSS FLATS)
- 1- ADJUSTING SPOOL SETS SECOND STAGE PRESS.



"CCD" ELECTRIC DUAL RANGE COMPENSATOR
WITH ADJUSTABLE MAXIMUM STOP



CIRCUIT DIAGRAM

S.T. CODE NO.		DIST. CODES AE, D		FIRST USED ON		PUBS/5-111-40-1-1		REV. 0	
UNLESS OTHERWISE SPECIFIED		PUMP AND PRODUCT		PUMP AND PRODUCT		PUMP AND PRODUCT		PUMP AND PRODUCT	
DIMENSIONS IN INCHES		DIMENSIONS IN INCHES		DIMENSIONS IN INCHES		DIMENSIONS IN INCHES		DIMENSIONS IN INCHES	
1 PLACE DECIMALS		2 PLACE DECIMALS		3 PLACE DECIMALS		4 PLACE DECIMALS		5 PLACE DECIMALS	
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DECIMALS		DECIMALS		DECIMALS		DECIMALS		DECIMALS	
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