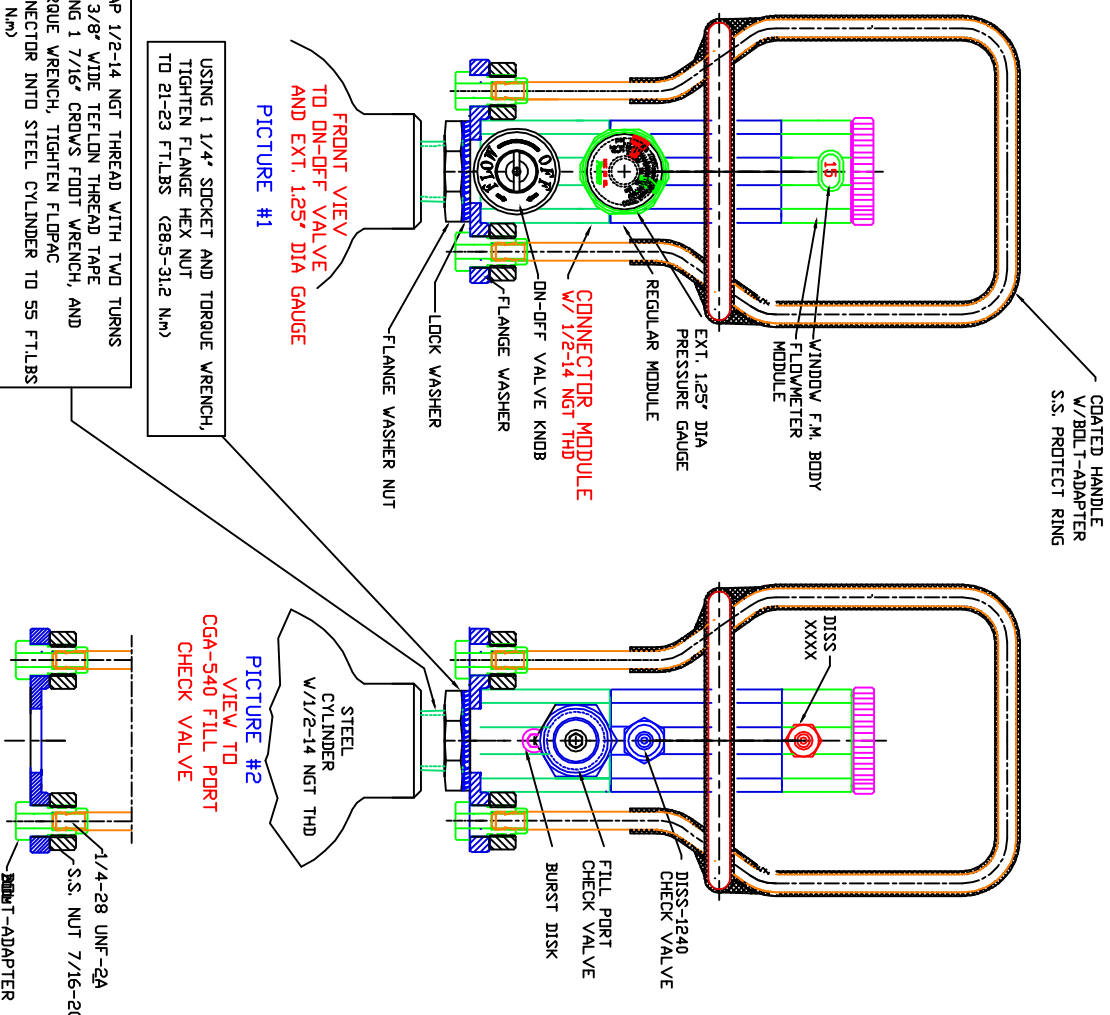


DATE	REV.	REVISION RECORD	ECN #	DR.	CHK.
10-18-04	A	RELEASE & ISSUE	E04-121	LEG	
6-04-07	B	REVISED AND REDRAWN	E07-003	LEG	

**FLOPAC REGULATOR CYLINDER INSTALLATION INSTRUCTIONS**

- \* INSPECT FLOPAC CGA-XXXX FILL PORT AND BURST DISC FOR CLEANLINESS AND DAMAGE PRIOR TO INSTALLATION.
- \* PERFORM CYLINDER INSPECTION PER CGA ACCEPTED PRACTICES.
- \* SECURE CYLINDER FIRMLY BEFORE VALVING FLOPAC TO STEEL CYLINDERS.
- \* FLOPAC'S CONNECTOR BODY VALVING THREADS ARE 1/2-14 NGT TAPERED THREADS FOR STEEL CYLINDERS.
- \* REMOVE FLOPAC VALVING THREADS PROTECTIVE COVER.
- \* WRAP 1/2-14 NGT THREAD WITH TWO TURNS OF 3/8" WIDE TEFLON THREAD TAPE.
- \* INSERT FLOPAC UNIT INTO AND THROUGH HANDLE FLANGE HOLE. ENSURE THAT HANDLE FLANGE WASHER AND FLOPAC BODY ARE SEATED AT A 90-DEGREE PLANE AS DEPICTED IN PICTURE #1.
- \* INSTALL 7/8" DIAMETER LOCK WASHER.
- \* INSTALL 7/8-14 HEX NUT.
- \* USING 1 1/4" SOCKET AND TORQUE WRENCH TIGHTEN FLANGE HEX NUT TO FLANGE WASHER TO 21-23 FT. LBS. (28.5-31.2 Nm)
- \* THREAD ENTIRE ASSEMBLY UNTIL HAND TIGHT INTO CYLINDER THREAD.
- \* USING FLOTEC SUPPLIED SPECIAL 1/2" DRIVE CROW'S FOOT OPEN-END TORQUING WRENCH HEAD, INSERT WRENCH HEAD OVER MANUAL PRESSURE SHUT OFF KNOB EXTENDING WRENCH HEAD ARMS IN-BETWEEN FLOPAC CONNECTOR BODY AND HANDLE POSTS. ENSURE THAT CONTACT IS AGAINST CONNECTOR BODY ONLY AND IS NOT MAKING CONTACT WITH REGULATOR BODY.
- \* TORQUE ENTIRE FLOPAC AND HANDLE FLANGE ASSEMBLY TO 55 FT. LBS.

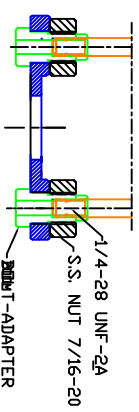


**FRONT VIEW TO DN-OFF VALVE AND EXT. 1.25" DIA GAUGE PICTURE #1**

USING 1 1/4" SOCKET AND TORQUE WRENCH, TIGHTEN FLANGE HEX NUT TO 21-23 FT.LBS. (28.5-31.2 Nm)

WRAP 1/2-14 NGT THREAD WITH TWO TURNS OF 3/8" WIDE TEFLON THREAD TAPE USING 1 7/16" CROW'S FOOT WRENCH, AND TORQUE WRENCH, TIGHTEN FLOPAC CONNECTOR INTO STEEL CYLINDER TO 55 FT.LBS (75 Nm)

**VIEW TO CGA-540 FILL PORT CHECK VALVE PICTURE #2**



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CAD # E	CAD FILE # 810-6965-001B	REF #	FP-7
FLOPAC AND HANDLE W/BOLT-ADAPTER FOR CYLINDER WITH 1/2-14 NGT THD	SHEET 1 OF 1	DRAWING NUMBER	810-6965-001
INSTALL INSTRUCTION		REV.	B