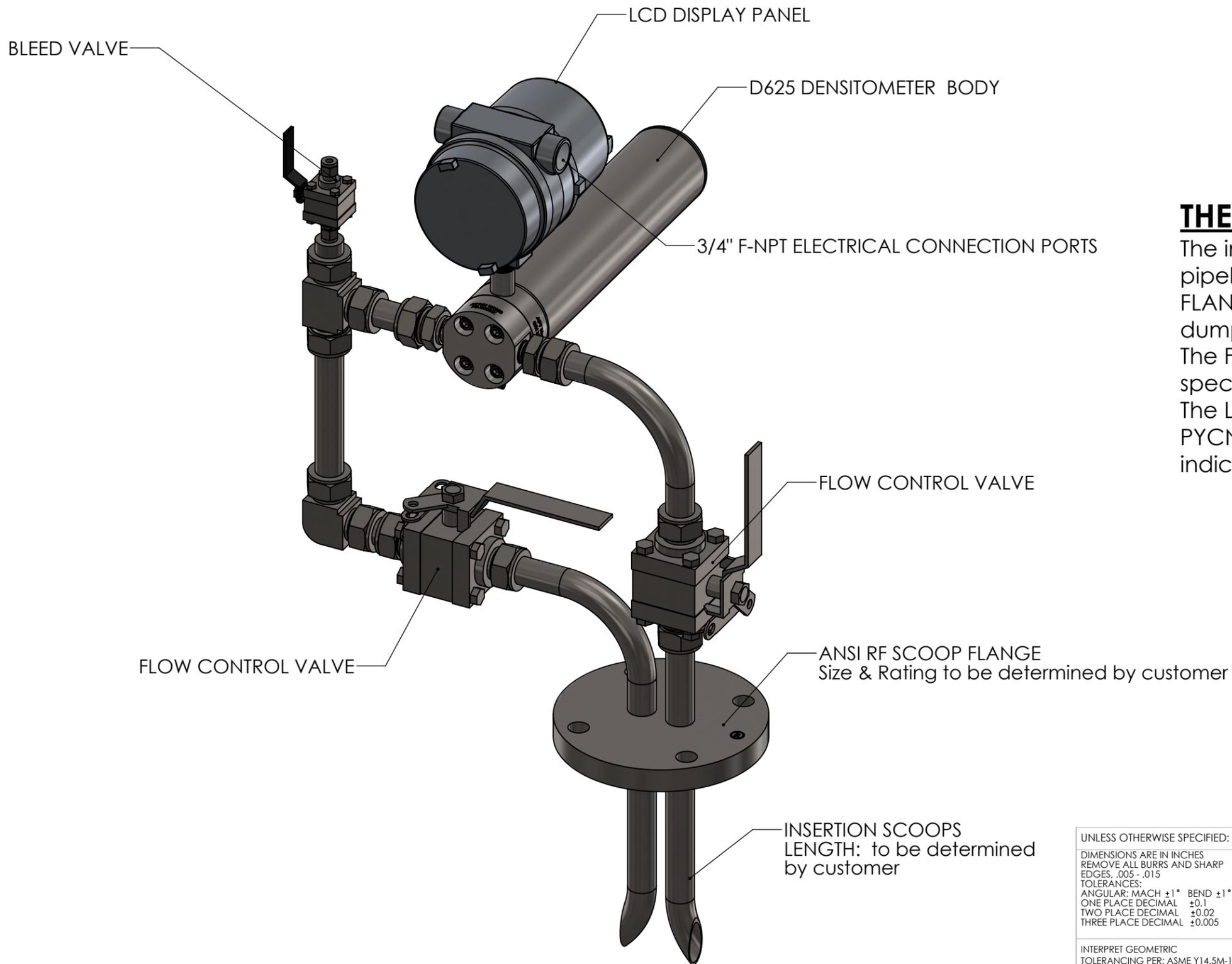


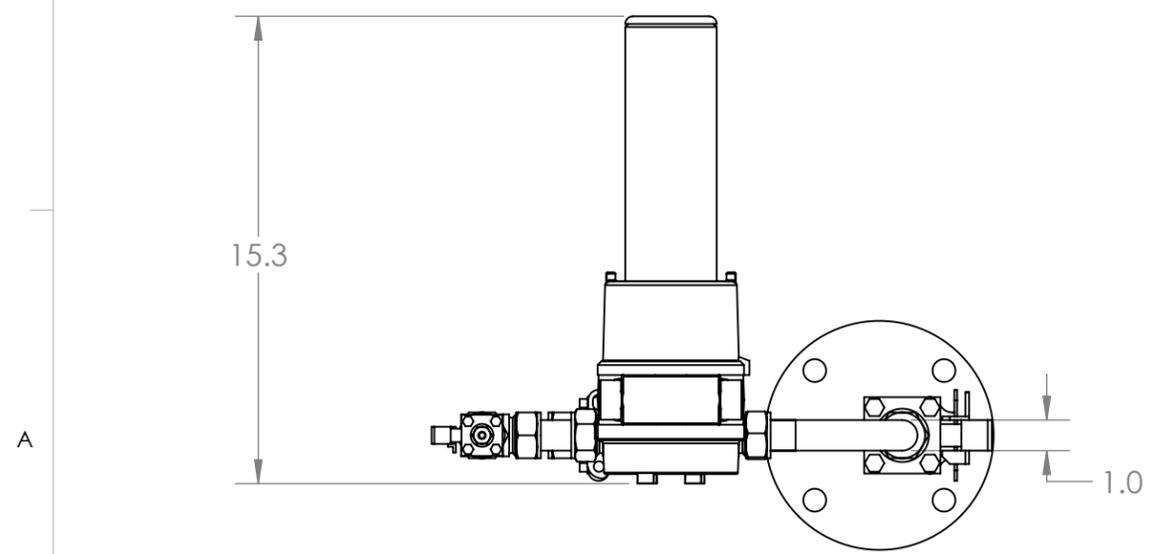
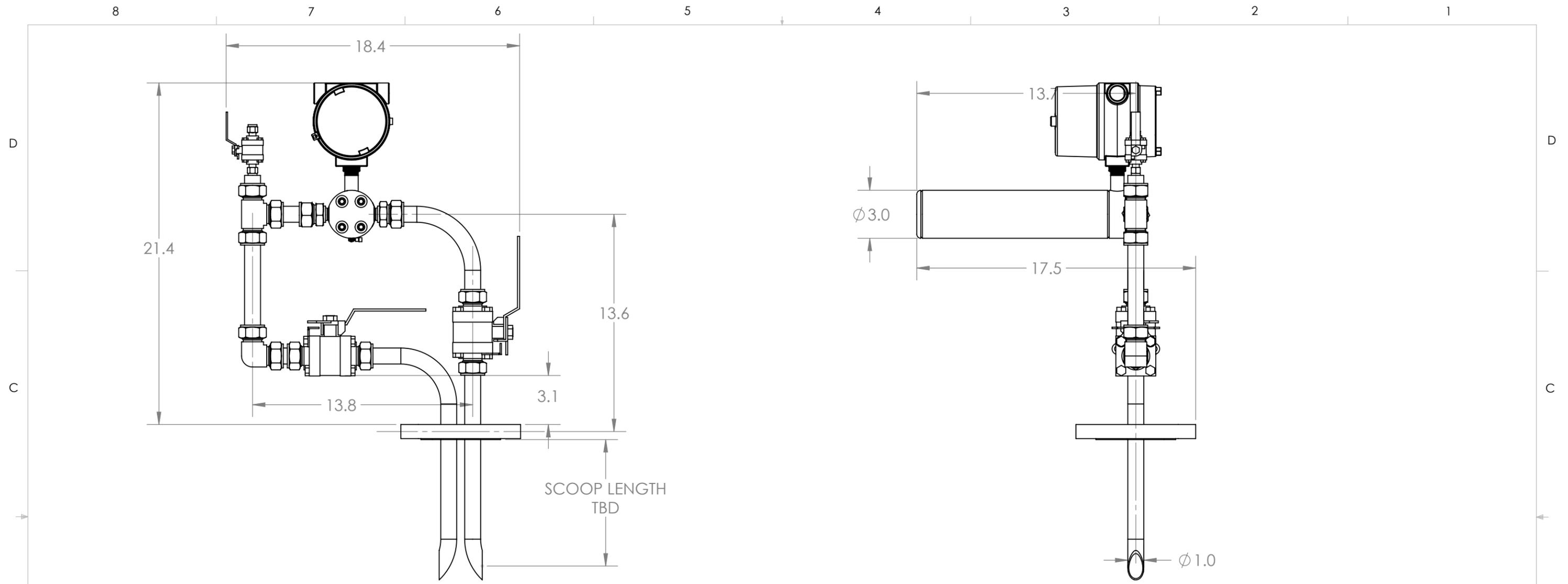
AFT-MVA, GFL-3-1C-II-*-SS-D625. SCOOPED FLANGE DENSITOMETER LOOP ASSEMBLY.



THEORY OF OPERATION:

The internal flow velocity of the fluid in the main pipeline forces fluid flow through SCOOPED FLANGE DENSITOMETER bypass loop, and then dumps the flow back into the main pipeline. The FLANGE SIZE & RATING is modified to meet the specific customer requirements. The LOOP can also be modified to include PYCNOMETER taps, thermowells, and flow indicators.

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 Fountain Hills, AZ, USA PH: 480-443-0168
DIMENSIONS ARE IN INCHES REMOVE ALL BURRS AND SHARP EDGES .005 - .015 TOLERANCES: ANGULAR: MACH ±1° BEND ±1° ONE PLACE DECIMAL ±0.1 TWO PLACE DECIMAL ±0.02 THREE PLACE DECIMAL ±0.005		DRAWN	PFH	
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M-1994		CHECKED		
MATERIAL		ENG APPR.		
FINISH		MFG APPR.		
DO NOT SCALE DRAWING		Q.A.		
NHA:		COMMENTS:		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ANALYTICAL FLOW TECHNOLOGIES, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ANALYTICAL FLOW TECHNOLOGIES, LLC IS PROHIBITED.		TITLE: INSERTION SCOOP Densitometer Assembly		
		SIZE	DWG. NO.	REV
		B	GFL-3-1C-II	C
		SCALE: 1:4	WEIGHT: 40+ lbs	SHEET 1 OF 2



REFERENCE DIMENSIONS FOR INSERTION SCOOP FLANGE USING A 3" ANSI 150# RF FLANGE

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES REMOVE ALL BURRS AND SHARP EDGES, .005 - .015 TOLERANCES: ANGULAR: MACH ±1° BEND ±1° ONE PLACE DECIMAL ±0.1 TWO PLACE DECIMAL ±0.02 THREE PLACE DECIMAL ±0.005 INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M-1994	DRAWN	NAME	DATE	 Fountain Hills, AZ, USA PH: 480-443-0168
	CHECKED	PFH	Sept. 2019	
	ENG APPR.			
	MFG APPR.			
	Q.A.			
MATERIAL	COMMENTS:			
FINISH	NHA:			
DO NOT SCALE DRAWING	SCALE: 1:6	WEIGHT: 40+ lbs	SHEET 2 OF 2	

PROPRIETARY AND CONFIDENTIAL
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TITLE: **INSERTION SCOOP**
Densitometer Assembly

SIZE **B** DWG. NO. **GFL-3-1C-II** REV **C**