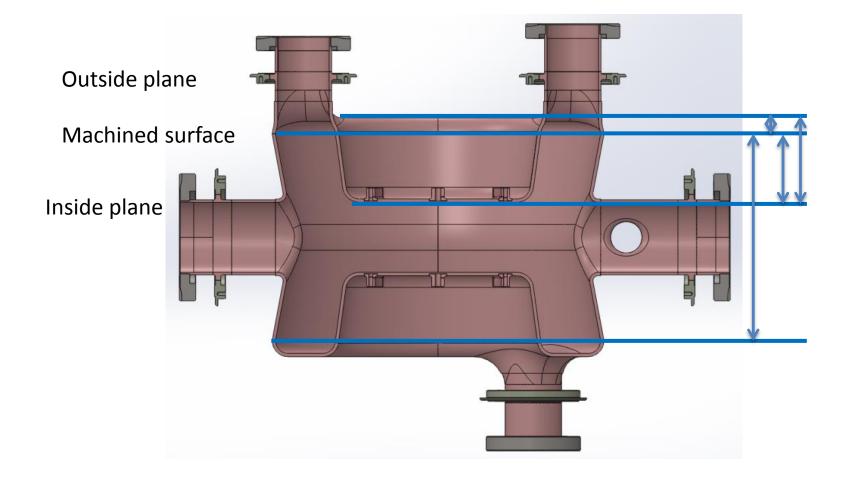
DQW Update Oct.21, 2016

- 1. Cavity arrived October 6, 2016 Thursday
- 2. CMM measurement
 - Dimensions needed to determine weld shrinkage
- 3. RF surface inspection
- 4. Weld structural visual inspection
- 5. Thickness measurement location marking
- 6. Incoming frequency measurement
- 7. Machined edge grinding
- 8. Weld prep BCP 20 microns
- 9. Flange assembly checking
- 10. Bulk BCP tooling ready





Measurement – Dimensional





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Measurement – C1

Etterson Lab		PART NAME : DQW_C1					07, 2016	19:08	
		REV NUMBER :		SER NUM	IBER : C1	STATS	COUNT :	1	
Overall Length									
\leftrightarrow	MM	DIST1 - PLN4 TO PLN7 (YAXIS)							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
М	247.960	0.000	0.000	247.076	-0.884	0.884			
Flatness front plane									
	ММ	FLAT1 - PLN4							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
м	0.000	0.000	0.000	0.309	0.309	0.309	1.1		
Flatness	far plane								
	MM	FLAT2 - PLN7							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
М	0.000	0.000	0.000	0.242	0.242	0.242	1.1		
Paralleli	.sm of two plan	es							
	ММ	PARL1 - PLN4 TO PLN7							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
м	0.000	0.000	0.000	0.327	0.327	0.327			



Measurement – T1

Jefferson Lab			PART NAME : DQW-T1			Octo	ber 07, 2016	21:59		
		REV NUMB	REV NUMBER :		SER NUMBER : T1		TS COUNT :	1		
Distance	machined s	urface to ins	side plane.							
\leftrightarrow	MM		DIST1 - PLN2 TO PLN3 (YAXIS)							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL				
м	0.000	0.000	0.000	81.609	81.609	81.609				
Distance	machined c	utside front	plane							
++	MM		DIST2 - PLN2 TO PLN4 (YAXIS)							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL				
м	0.000	0.000	0.000	18.526	18.526	18.526				
Flatness	of machine	d datum plane	2							
	MM		FLAT1 - PLN2							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL				
м	0.000	0.000	0.000	0.045	0.045	0.045				
Flatness	of cast pl	ane inside								
	MM			FLAT2 - PLN3						
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL				
м	0.000	0.000	0.000	0.262	0.262	0.262				
Flatness	of cast pl	ane outside								
	MM		FLAT3 - PLN4							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL				
м	0.000	0.000	0.000	0.605	0.605	0.605				



Measurement – B2

Jefferson Lab		PART NAM	PART NAME : DQW-B2				October 08, 2016	00:21			
		E REV NUMB	REV NUMBER :		SER NUMBER :		STATS COUNT :	1			
Distance	Distance machined plane to inside plane										
↔	MM	DIST1 - PLN2 TO PLN3 (YAXIS)									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTI	OL				
м	0.000	0.000	0.000	81.581	81.581	81.58	81				
Distance machined plane to outside plane											
+	MM	DIST2 - PLN2 TO PLN4 (YAXIS)									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	ουτι	OL				
м	0.000	0.000	0.000	18.455	18.455	18.45	5				
Distance	inside plane	nside plane to outside plane									
\leftrightarrow	ММ	DIST3 - PLN3 TO PLN4 (YAXIS)									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTI	OL .				
м	0.000	0.000	0.000	100.036	100.036	100.0	36				
Flatness	of machined p	plane									
	ММ	FLAT1 - PLN2									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	Ουτι	'OL				
м	0.000	0.000	0.000	0.034	0.034	0.034					
Flatness	of inside pla	ane									
	ММ	FLAT2 - PLN3									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTI	OL				
м	0.000	0.000	0.000	0.456	0.456	0.456					
Flatness	Flatness of ontside plane										
	ММ		FLAT3 - PLN4								
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTI	OUTTOL				
м	0.000	0.000	0.000	1.095	1.095	1.095	1.095				



Next Week

- Test weld today, Cavity weld next week
- Frequency check
- Dimensional check (CMM)
- Leak check
- Frequency check
- Pre bulk BCP thickness measurement



