

S3289 SBM Crystal Bender Pressure Test

Part Number & Description:	ADM0145 SCLM XPD-2
Test Specification Reference:	S3289 XPD-II SBM Test Plan

Tested by:	I. Campton	Date	14-Sep-16	Serial No	W002468/01
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Box Colour Responsibility Codes	Engineer		Automatic		Technician	
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Cooling System Test

Safety Precautions

Check! That the Test Area is barriered off and as suitable warning signs			Pass
Check ! That the pressure testing circuit is fitted with a Pressure Relief Valve rated at 10% above the test pressure.	17	BarG	Pass
Check! That Safety Glasses are being worn.			Pass
Check! That the Pressure Test is being carried out by trained/ competent personel only			Pass
Check! For damaged or worn test equipment, inspect all fittings, valves & gauges before use.			Pass
Check! That the water in the Hydrostatic Test Pump is clean and at Room Temperature			Pass

Pressure Testing

Water Circuit Name

ADM0145 crystal cooling

Specification (Test Pressure = 1.5 x Operating Pressure)

Test Pressure	15.51	Bar Gauge (BarG)	Operating Pressure	10.34	Bar Gauge (BarG)
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NOTE: Remove all air/ gas in the circuit by bleeding the circuit with water through a bleed valve located at the highest point at the end of the circuit before pressure testing

Pass

Pressure Test

Slowly increase pressure to 50% of Test Pressure	7.755	BarG	Actual Pressure	7.8	BarG
NOTE: WARNING. If signs of yielding or failure of the system are observed, pressure should be slowly decreased to zero.					
Hold 50% Pressure for 5 minutes.	10	Minutes	Pressure Drop	0	BarG
After 50% of the test pressure is reached, the system pressure should be increased in 10% increments (60, 70, 80, 90, and 100%) to specified Test Pressure.					
10% of Test Pressure =	1.551	BarG			
At each pressure level, the manual isolation valve shall be closed and the pressure held until the test gauge stabilises.					
Hold at the Full Test Pressure for 15 minutes.	15.6	BarG	Max Drop	1	BarG
Reduce to 10% of the Test Pressure and visually inspect for leaks					
10% of Test Pressure	1.551	BarG	No Leaks	Pass	

Vacuum Test (For test details reference Vacuum Bakeout Test Record)

Technician Signature:

I. Campton

Date:

14-Sep-16