

Long Term Hydrostatic Test Apparatus – Fiberglass Pipes			
Specifications			
Test Standards Conformance: ASTM D 2837, ASTM D 2992, ASTM D 1598, ASTM F 948, ASTM F 1674, ISO 1167, ISO 9080,, DIN BS EN 921,DIN BS EN 1447.			
Pressurizing Unit Specifications		HDB 300-12	HDB 200-12
Maximum Operating Pressure	Bar	300	200
Maximum Flow	Liter/min	8	8
Power	KW	7	4
Electrical Requirements	Volt	380 - 3 Ph	380 - 3 Ph
	Ampere	16	8
Specimen Control Unit			
Microcontroller			
Microcontroller Type	16 Bit controller, operating at 40 MHz		
Memory	Data Points	5000	
Display	HMI QVGA / 7" TFT LCD Touch Screen		
Pressure Measurement and Control – Pressurizing Medium Water			
Maximum Operating Pressure	Bar	200/300	
Maximum Flow	Liter/min	8	
Maximum Pressurizing Rate	Bar/min	100	
Pressure Sensor Type	Voltage Transmitter, Silicon on ceramic substrate, SS wetted parts		
Pressure Sensor Accuracy	%	0.25 FS FSO IEC 60770	
Overall System Pressure Accuracy	1% of reading or 0.5%FS, whichever is bigger		
Temperature Measurement and Control			
Temperature Sensor Type	RTD		
Temperature Probe Accuracy	Deg. C	0.2	
Heater Control Method	PID Time Proportional		
Heater Actuation Method	Contactors, Solid State SSR		
Enclosure Temperature Accuracy	Deg. C	2	
Miscellaneous			
Electrical Requirements	V	220	
	Ampere	12	
Leak Detection – Conductivity Based	Ohm	250Ω – 1 MΩ	

Heating Enclosures Specifications – Heating Medium Air			
		3-Pipe	Single Pipe
Length	m	3	2.7
Depth	m	2	0.85
Height	m	0.85	0.85
Inside Clearance	mm	2800x1700x650	2500x650x650
Inside Clearance	in	110x67x25	100x25x25
Heating Power	KW	6	3
Blower Power	KW	0.37	0.37
Minimum Temperature		Ambient	Ambient
Maximum Temperature	Deg. C	93	93
Accuracy	Deg. C	+/- 3	+/- 3
Electrical Requirements	Through Local Control Panel		