

Clean Water Booster Station

Standard Product
Data Sheet

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Document Title:	Section 900 – Standard Products Clean Water Booster Station – Data Sheet		
Document Reference:	SSP-SP- DSH- 09001001		
Version:	2.0 (Implementation)	Date:	Sept-15

Record of Changes and Amendments

Amendment Number	Amendment Date	Document Section/Clause Reference Number	Document Section/Clause Header	Brief Summary of Change	Document Version Number
001	July 15	N/A	N/A	First Issue	1.0
002	August 15	N/A	N/A	Removal of setting out frame	1.1
003	Sept 15	N/A	N/A	Issue For Implementation	2.0

STANDARD PRODUCT DATASHEET CLEAN WATER BOOSTER PUMPING STATION

Project Title	Document Ref: (Proj ID & Data Sht No)	
Site Name	Revision	
Site Location	Date	

* - indicates baseline requirement.

Purpose of Enquiry (✓)	
Query / Quote	
Order	

Full Catalogue Part Numbers
Pumping Station
Example: BS03-'Pump Model No.'
MCC
Example: GA02-MIGI-CW01-FSW03

Sub-Assemblies Required (Y/N)	
Control Panel (Baseline)	Y*
Control Panel (MCC Catalogue)	

Pump Station Size (✓)	
BS01 - Booster Set No.1	
BS02 - Booster Set No.2	
BS03 - Booster Set/Pumping Station No.3	
BS04 - Booster Set/Pumping Station No.4	
BS05 - Booster Set/Pumping Station No.5	

Pumps
Pump Model No.
Curve No.
Pump Motor Type (✓)
Pump Mounted VSD
Panel Mounted VSD

Pumping Station Duty Requirements	
Maximum Total Flow rate (I/s)	
Minimum Flowrate (I/s) – if required.	
Static Head (m)	
Maximum	
Minimum	
Dynamic Head (m)	
At Maximum Duty Flowrate	
At Minimum Duty Flowrate – if required.	
Total Pump Head (m)	
At Maximum Duty / Maximum Static	
Head	
At Minimum Duty / Minimum Static	
Head – if required	

Accumulator Vessel	
Required (Y/N)	
Working Volume (litres)	
Pre-charge Pressure (bar)	

Telemetry Design	
Telemetry Design Complete (Y/N)	
Details Attached (Y/N)	

Details Attached (Y/N)	
Control Setpoints	
Constant Pressure Control	
Cut In Pressure Setpoint	
(bar)	
Maintain Pressure Set Point (bar)	
Cut Out Pressure Set Point (bar)	
Proportional Pressure Control	
Maximum Pressure Setpoint (bar)	
(1.1.)	
Maximum Flow Setpoint (m3/hr) Pressure Loss in Pipe System (at	
maximum set point) (bar)	
Pump Efficiency Monitoring	
Pump curve data entered at the factory	
I unip curve data entered at the factory	
Alternative Setpoints	
(6No, available, only 1No. Listed for clarity)
Alternative 1-Cut In Pressure Setpoint	
(bar)	
Alternative 1-Maintain Pressure Setpoint	
(bar)	
Alternative 1-Cut Out Pressure Setpoint	
(bar)	
Clock Programme (10No. available, only 1	No. listed for
clarity	
Activate or Deactivate	
Day (M,T,W,T,F,S or S) /Daily/ M-F	
Time (Hrs:min)	
Automatic Duty Pump Rotation	
Time of day for pump changeover	
(Hrs:min)	
Frequency for pump changeover (every	
24 hours/ every 48 hours/ once per	
week)	
Pump Exercise	
Time of day for pump exercise	
(Hrs:mins)	
Frequency for pump exercise	
changeover	
(every 24 hours/ every 48 hours/ once	
per week)	
Dry Running Protection Pump Suction Low Pressure (Pressure	
Switch)	
Manual Reset/ Auto Reset	
Stop Function	
Enable or Disable	
Start/ Stop Dead Band (%)	
Distribution Above Setpoint (%)	
Stop Limit (m3/h)	
Set Point Ramp	
Enable or Disable	
Change per minute (bar)	
Soft Pressure Build Up	
Enable or Disable	
Enable of Disable	
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Pump Speed (%)	
Number of Pumps (number)	
Filling Pressure (bar)	
Maximum Filling Time (seconds)	
Control Action – Warning – Enable/	
Disable	
Control Action –Alarm & stop –Enable/	
Disable	
Ramp Time (seconds)	
Pump Start/ Stop Speed	
Enable or Disable	
Calculated Speeds or Fixed Speeds	
Pump Start speed (if Fixed Speeds	
Selected) (%)	
Pump Stop Speed (if Fixed Speeds	
selected) (%)	
Limit Alarms	
Enable or Disable	
Select input value to be monitored	
Limit Type – Max or Min	
Set Delays (Min:secs)	
Set Warning Limit	
Set Alarm Limit	

Pressure Testing	
Test Pressure (bar)	
Testing Standard	
Test Duration (minutes)	

Kiosk Details	
Construction Material (✓)	
Steel	
GRP	
Lightning Protection	
Kiosk Finish (✓)	
Colour	
Cladding	
Details	
External Lighting	
Required (Y/N)	N*
Details	
Kiosk Security Rating (✓)	
Standard	
Security Rated	
Details	
Details	

Site Access Restrictions	
Details Of Site Specific Risks / Issues.	

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System Curves and Envelope of Operation	

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