

Scottish Water

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Clean Water Booster Station

Standard Product
Data Sheet

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Document Title:	Section 900 – Standard Products Clean Water Booster Station – Data Sheet		
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**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	
<i>Example: BS03-'Pump Model No.'</i>	
MCC	
<i>Example: GA02-MIGI-CW01-FSW03</i>	

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 (l/s)	
Minimum Flowrate (l/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)	

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)	
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	
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 1No. 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	

System Curves and Envelope of Operation

