



PIPE SPECIFICATION (SCALE 1:10)

STANDARD PIPE INFORMATION	
PRODUCT CODE:	P1093000
A - PIPE INNER DIAMETER	900 mm
B - PIPE OUTER DIAMETER	962 mm
C - SPIGOT OUTER DIAMETER	974 mm
D - SOCKET OUTER DIAMETER	988 mm
E - SOCKET OUTER DIAMETER INCLUDING FLARE	1000 mm
F - EFFECTIVE LENGTH	3000 mm
G - OVERALL LENGTH	3180 mm
NOMINAL WEIGHT (KG)	113 kg
NO. OF PIPES PER FULL LOAD	20
METRES PER FULL LOAD	60 m

STUBS:	
NOMINAL DIAMETER	900 mm
EFFECTIVE LENGTH	1500 mm
PRODUCT CODE - PLAIN END/SPIGOT	P1091501
PRODUCT CODE - PLAIN END/SOCKET	P1091502

SHORT-TERM RING STIFFNESS	8 kN/m <sup>2</sup>
LONG-TERM RING STIFFNESS	6.8 kN/m <sup>2</sup>

**NOTE:** MANUFACTURING TOLERANCES ON ALL DIAMETERS TO ±6mm AND ALL LENGTHS TO ±50mm



ISOMETRIC VIEW (SCALE 1:15)

**NOTE:**

BS EN 9295:2020 SECTION A.10.3 STATES THAT ROCKER PIPES ARE NOT REQUIRED FOR AQUASPIRA PIPES. THIS DETAIL SHOWS A METHOD FOR BUILDING PIPES INTO MANHOLES UTILIZING HALF-LENGTH PIPES WHERE IT IS NOT PRACTICAL TO BUILD IN FULL LENGTH PIPES.

**NOTE:**

- FOR DETAILS OF TRADITIONAL MANHOLE CONSTRUCTION REFER TO SEWERS FOR ADOPTION OR SEWERS FOR SCOTLAND.
- ALL DIMENSIONS ARE NOMINAL AND IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- PLEASE REFER TO AQUASPIRA TECHNICAL MANUAL AND SITE HANDBOOK FOR DETAILED INFORMATION ON PIPE INSTALLATION.
- ALL STAINLESS STEEL TO BE GRADE 304 AND 4mm THICK, UNLESS OTHERWISE SPECIFIED.
- ALL PIPE SPECIFIED TO BE AQUASPIRA CSR PIPE.

**PIPE BEDDING NOTES:**

- PROCESSED GRANULAR MATERIAL TO INCLUDE AGGREGATES TO BS EN 12620:2002 AIR-COOLED BLAST FURNACE SLAG TO BS EN 12620:2002 AND LIGHTWEIGHT AGGREGATES TO BS EN 13055:2016.
- ALL TEMPORARY ENABLING WORKS ARE BY OTHERS.
- PROJECT ENGINEERS TO CONFIRM THE BACKFILL DETAILS ARE APPROPRIATE FOR THE SITE GROUND CONDITIONS AND LOADING CRITERIA.
- DURING CONSTRUCTION, HA40/01 SECTION 2.3 RECOMMENDS MINIMUM 1m COVER FOR PIPES SUBJECT TO CONSTRUCTION TRAFFIC LOADING.
- RECLAIMED AND SITE WON MATERIAL TO BE REVIEWED AND APPROVED BY MAIN PROJECT ENGINEER PRIOR TO USE AS BACKFILL.
- WHERE MINIMUM COVER DEPTHS SHOWN CANNOT BE ACHIEVED, A REINFORCED CONCRETE PROTECTION SLAB IS REQUIRED. FOR DETAILS PLEASE SEE AQUASPIRA TECHNICAL MANUAL.

**FLOTATION:**

PIPES ABOVE 1500Ø MAY REQUIRE MORE THAN 900mm COVER. PLEASE REFER TO AQUASPIRA TECHNICAL MANUAL.

**aquaspira**

**Drawing Title:**

CONSTRUCTION DETAIL AND DATA SHEET - 900Ø CSR PIPE 3.0m

Date: Scale: Drawn: Checked:

AS SHOWN | JA

Drawing No: P1093000 A1

FOR SITE SPECIFIC DRAWINGS, DIMENSIONS AND STRUCTURAL CALCULATIONS, PLEASE EMAIL [tech@aquaspira.com](mailto:tech@aquaspira.com) or TEL: 01282 608510

**FOR REFERENCE PURPOSES ONLY**

AQUASPIRA PRE-FABRICATED PIPELINE ACCESS UNITS ARE ALSO AVAILABLE. PLEASE SEE <https://www.aquaspira.com/products/pipeline-access>