



The Partner of Choice



Conder[®]ASP
ACTIVATED SLUDGE PROCESS

Sewage treatment plant for residential and commercial projects

Premier Tech Aqua's Conder ASP now available in High Density Polyethylene (HDPE) is the perfect solution for residential and commercial projects where mains drainage is unavailable. The industry's system of choice for reliability, the plant serves a population range from 6 to 25 PE. It is easy to install and benefits from low installation costs.

Available in gravity and integrated pumped versions, the Conder ASP is designed to treat waste water with minimal impact on the environment. Typical applications include: single dwellings, small communities or developments, refurbishments and rural barn conversions.

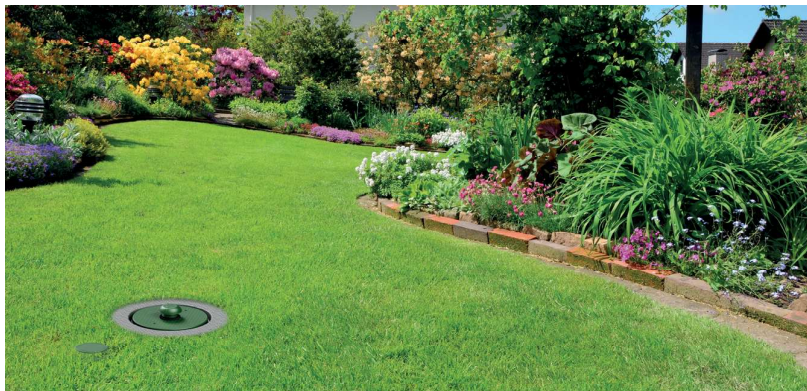
Superior Technical Performance

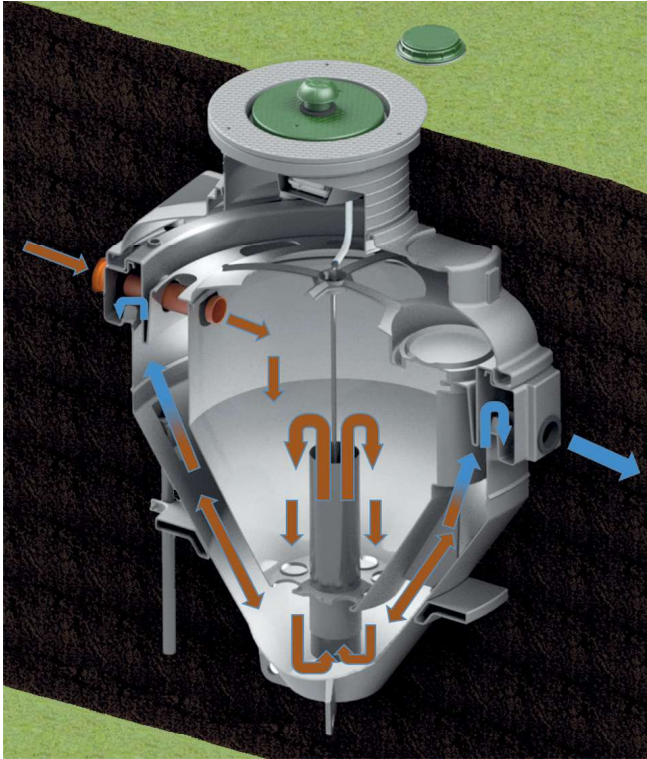
The highly successful Conder ASP is designed and tested in accordance with BS EN12566-3:2005 and the British Water Code of Practice for Flows and Loads as well as being CE marked. The standard range plants produce an effluent quality of better than 20mg/L BOD; 30mg/L SS; 20mg/L NH₃

Installation

An economical option, the Conder ASP is easy to install, typically using only a 200mm deep concrete base followed by a pea shingle or self-compacting backfill. Deeper inverts can be accommodated by means of either: a telescopic extension, offering 50-350mm adjustment, or a larger 800mm extension, that can be cut to suit on site.

We work with a nationwide network of installation partners and service engineers. Detailed installation guidelines are provided with each product. All electrical work should be carried out in accordance with current regulations (for example NIC EIC/Building Regulations).





Complete Below Ground Installation

Premier Tech Aqua has designed the Conder ASP to have a minimal visual impact on site location. This includes a complete below ground installation and a quiet and odourless operation assisted by a compact and innovative design.

Low Costs

The Conder ASP offers superior technical performance at a competitive price, offering real value for your money without compromising on quality. The on-going maintenance and running costs for the Conder ASP are extremely low as well as having a better than average emptying frequency. This provides an overall competitively priced product for the duration of its lifetime.

Quality, Adaptable Design

Premier Tech Aqua has completed thousands of Conder ASP installations across the globe and has pioneered the development of packaged sewage treatment plants. The Conder ASP consists of a HPDE structure.

The adaptable design offers the availability of an integral pumped system, deeper inverts (with supply of a standard extension kit), choice of pumped influent or effluent and is suitable for discharge to ground or watercourse (subject to relevant exemption, consent and licence).

How the ASP Works

The Conder ASP treatment plant comprises of a single tank and within this tank there is an inner central biozone chamber and an outer settlement zone.

Added Benefits



Below Ground Installation



Quality Adaptable Design



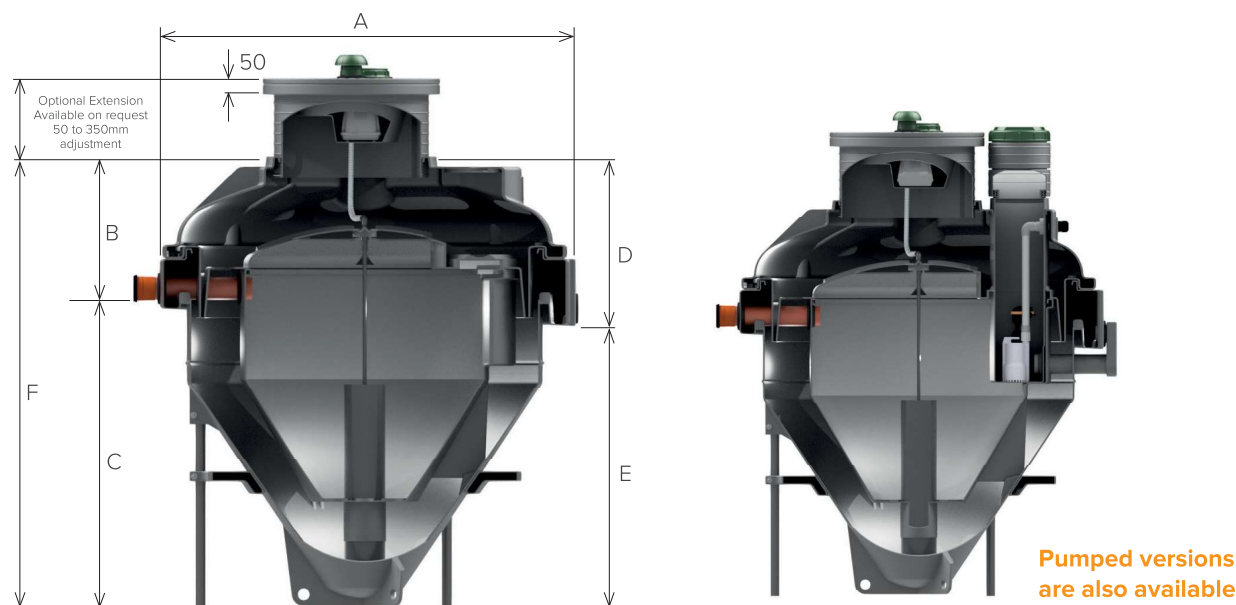
Low Cost Solution

Specification The table below can be used as a guide to help you choose the best Conder ASP for your project.

Premier Tech Aqua - Conder ASP Unit		ASP 06	ASP 08	ASP 12	ASP 16	ASP 20	ASP 25
Population Equivalent		6	8	12	16	20	25
Hydraulic Load (l/day)		1200	1600	2400	3200	4000	5000
Organic Load (g BOD5/day)		360	480	720	960	1200	1500
Ammonia (g NH3/day)		48	64	96	128	160	200
O/A Diameter	A	2000	2000	2000	2000	2000	2000
Standard Inlet Invert (mm)	B	700	700	700	700	700	700
Inlet Invert to Base (mm)	C	1500	1500	1900	1900	2000	2300
Standard Outlet Invert (mm)*	D	800	800	800	800	800	800
Outlet Invert to Base - Gravity Discharge (mm)	E	1400	1400	1800	1800	1900	2200
O/A Depth inc. lid (mm)	F	2250	2250	2650	2650	2750	3050
Pipework fitting (mm)		110	110	110	110	110	110
Blower Related Power (watts)		80	90	90	160	160	230
Estimated Blower Consumed Power @ Working Pressure (watts)		75	80	90	130	130	190
Blower Cover Size (green) (mm) Plant Cover (grey)		Ø450 Ø750	Ø450 Ø750	Ø450 Ø750	Ø450 Ø750	Ø450 Ø750	Ø450 Ø750
Plant Weight (kg)		250	250	280	280	300	350

*Values shown are for HDPE Gravity System. Pumped Systems may vary.

Gravity ASP



Extended Warranty

All Premier Tech Aqua Conder ASPs come with a 12-month parts warranty. Our market leading 5-year warranty can be obtained for free by visiting our website and completing a short warranty activation form, or the form supplied with the plant.