aliaxis

Plastic pipework systems for **Anaerobic Digestion**

Plastic pipework systems are ideal for the various liquid and gas transportation requirements of a modern-day Anaerobic Digestion plant.

The diverse nature of plastic piping and their capability to be able to convey different fluids for different applications makes them an ideal choice for anyone installing pipework systems for a processing anaerobic digestion facility.

Chemical Drainage

Vulcathene specialist chemical drainage has been specified and installed in the laboratories of research buildings for over 50 years. Available in two easy jointing options, **Vulcathene** is fully BBA approved and is the market leading product for the safe drainage of dangerous chemical combinations from laboratories.

Process Pipework

Either **Durapipe SuperFLO ABS** or **PVC-U** would be ideal for use in this application. If an unknown combination of different chemicals is being conveyed, **PVC-U** is the perfect choice, whereas **ABS** would provide ductility and impact resistance. Both systems have been used extensively for transporting mixed waste streams around an anaerobic digestion site.

Emergency Fuel Supply

PLX is a market leading specialist pipework system for the conveyance of fuel. PLX can be used to safely transport fuel from storage tanks to generators for emergency or uninterrupted (UPS) power supply applications. The pipe system ensures a continuous flow of fuel to the back-up generator.

Chemical Storage

The piping requirements to transport chemical combinations can be quite complex particularly for chemical dosing applications. We have various systems, manufactured from different types of plastic such as **PVC-U, Polypropylene & PVC-C** that are ideal for these chemicals.

Containment Removal

Durapipe PVC-U is perfectly suited for use within a scrubber system. Due to its excellent general chemical resistance properties it can easily transport either acids or alkalis under pressure to remove impurities from the methane gas that has been generated by the digester. The methane can then be processed more effectively within the next stage of the process.

Flow Control

We offer a full range of **manual and actuated valve** options across a suite of different valve types such as ball, butterfly and diaphragm that are fully approved and tested for various flow control solutions. Furthermore, our range of technically advanced flow meters and flow measurement and monitoring products have been widely used where accuracy is of upmost importance such as a water supply to specialist machinery.