

Kingspan Commercial Treatment Plant

PRE-COMMISSIONING CHECK LIST

Having agreed to a Kingspan commissioning it is important that the unit is ready for our engineer and to prevent any additional charges, please complete the following pre-commissioning check list. **“please be aware it can take 5-10days to organise”**

Date: _____ Product code: _____ Delivery date or order number: _____
 Site name: _____ Contact name: _____
 Email: _____ Contact number: _____
 Address: _____

(including postcode if possible):

General	Type of commissioning required and paid for:	Full	Visual	Enhanced
	Has the unit been installed as per our installation and operational guidelines?		Yes	No
	Has the Inlet/Outlet connections been made and sealed?		Yes	No
	Has Pre-Commissioning Photos been attached of Unit Installation and Panel's?		Yes	No
	Are the diffuser legs installed correctly in the tank? (Where applicable)		Yes	No
	Has the media been installed as per the guidelines? (Where applicable)		Yes	No
	Is the water level up to the outlet?		Yes	No
	Is the tank free from rubble/building material?		Yes	No
	Is the panel kiosk located next to the tank?		Yes	No
	How far is the Panel Kiosk located from the unit?			
	Has Cables been installed from Panel Kiosk to Unit for Motor/Pump and Alarms?		Yes	No
	Has 110mm ducting along with draw strings been installed between tank and kiosk?		Yes	No
	Have the airlines been installed between kiosk and treatment plant?		Yes	No
	Has the Panel/Isolator been Mounted securely and connected to mains power supply and made live?		Yes	No
	Have the vent pipes been installed and fitted with ingress protection?		Yes	No
	Have the blowers been fitted and power cables installed?		Yes	No
	Has Pre-Commissioning Photos been attached of unit installation and Panel?		Yes	No

Special Site Requirements	Is a site safety induction required?	Yes	No
	If so what is the average time?		Mins
	Is a permit required?	Yes	No
	Is access to the plant restricted? i.e. Under decking cover slabs etc.	Yes	No
	Any other site specific requirements please state here:		

If any of the above is not in place at the time our engineer is on site, or should any additional works outside the listed commissioning details be required (as per the scope of works), this may be subject to further charges.

Signed: _____ Position: _____
 Date _____

On completion a report will be issued highlighting any faults/recommendations. A commissioning certificate will be issued if all is in order. Having completed the above please sign and return to helpingyou@kingspan.com or fax to **0044 28 3836 4445**
 For further information please contact: UK Tel: **0844 846 0500** | IRL Tel: **048 3836 4600**

Kingspan Commercial Treatment Plant

COMMISSIONING DETAILS

It is important and part of planning/building regulation that you have your wastewater treatment equipment installed correctly and accompanied by a commissioning certificate. Within the attached quote we offer different levels of commissioning, 'Full Commissioning', 'Visual' or 'Enhanced' Below we include details of each.

Full Commissioning

This requires that the unit has been installed by the main contractor in line with the provided installation guidelines.

Including the following:

- Tank installed flat and level with a safe working area around the perimeter (minimum 1m).
- All incoming and outgoing pipework has been connected.
- Control panel has been fixed in a secure position within the blower housing kiosk with a live mains supply connected.
- 110mm Cable Ducts are installed and fitted with a draw cord.
- Airlines are installed between Treatment plant and blower housing.
- Blowers are fitted with adequate supply cable (if applicable).
- Media is installed into the Biozones.
- Ventilation pipes are connected, rise and exhaust away from the plant (*vent pipe should be a minimum of 2 metres above ground level*).

The following will then be carried out by a Kingspan Service Engineer:

- Check plant is level, 5mm tolerance.
- Confirm the ground around the plant is level, flat and that the covers are securely fastened.
- Confirm the panel has been mounted correctly.
- Connect the multi-plug connector to the panel and ensure it is secure.
- Check the air blower is secure and inlet filter fitted.
- Make the final electrical connections to the blower.
- Make sure there is adequate clean air supply into the kiosk.
- Within the tank check all electrical connections to the internal junction box .
- Connect all airlines and set the valves.
- Make sure BioZones have adequate air supply and even distribution is taking place.
- Set the flow for the final feed airlift.
- Check and test the internal Sludge return pump.
- Check and test the internal recirculation pump.
- Test and set any alarms supplied with the unit. (PPFDS, High level float).

On completion we will provide a site specific commissioning certificate.

Visual

With all the above having been carried out by the main contractor a Kingspan service engineer will visit the site do a visual inspection of the install and if all is in order provide a site specific Commissioning Certification base on a visual inspection, if any issues arise these will be reported in writing to the contractor and once rectified the certificate issued.

Enhanced

Includes all of the above Kingspan service engineer tasks plus we will install the airlines and cabling between Blower kiosk and treatment plant. This also includes the cable install and connection of the blowers.