

# 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 note commissioning visit can take up to 10 working days on receipt of your completed commissioning checklist.**

Date:	Product code:	Delivery date or order number:
Contact name:	Contact number:	
Email:		
Address:		
Postcode:	Eircode:	What3Words:

Please provide us with the end user / site details to enable the warranty.

Customers Name *(if known)*  
 Customer Contact number:  
*(if known)*  
 Customers Email: *(if known)*

Special Site Requirements		Yes	No
<b>Is a site safety induction required?</b> <b>How long is site induction? (if applicable)</b> <i>Answer in minutes and add NOTE Standard commission including up to 15 minutes induction. Anything over 15 minutes you will need to advise our office and additional costs will be charged.</i>			minutes
<b>Is access to the plant restricted? i.e. Under decking cover slabs etc.</b>		Yes	No
<b>Do you require a risk assessment or method statement for the commissioning visit?</b> <i>If Yes please provide details of all documents required prior to the engineers visits including contact email and number for these to be forwarded if different from the contact number and email provided at top of checklist. - Office holds i.e Confine Space Pass etc.</i>		Yes	No
<b>Any other site specific requirements please state here:</b>			

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General		Yes	No
	1. Has the unit been installed as per our installation and operational guidelines?	Yes	No
	2. Has vents been installed as per local building regulations? <i>(If you are unsure please speak to your local council about building regulation around venting of your system and please be aware regulation in England/Scotland/Wales/N.Ireland and Ireland may differ )</i>	Yes	No
	3. Has the treatment plant access been extended higher than supplied?	Yes	No
	4. If Yes, how many metres?*		metres
	<i>NOTE – If chamber has been extended then the visit may require confine space entry resulting in additional charges</i>		
	5. Has the inlet/outlet connections been made and sealed?	Yes	No
	6. Has pre-commissioning photos been attached of unit installation and panels?	Yes	No
	7. Is the water level up to the outlet?	Yes	No
	8. Is the tank free from rubble/building material?	Yes	No
	9. How far is the panel located from the unit? <i>*Please include the duct routes</i>		metres
	10. Has cables been installed from panel kiosk to unit for motor/pump and alarms?	Yes	No
	11. Has 110mm ducting along with draw strings been installed between tank and kiosk?	Yes	No
	12. Have the airlines been installed between kiosk and treatment plant? <i>(Only applicable for aeration Systems )</i>	Yes	No
	13. Has the panel/isolator been mounted securely and connected to mains power supply and made live? <i>(If NO then the visit will be aborted and a revisit will be full chargeable)</i>	Yes	No
	15. Have you located your blowers inside the Kiosk? <i>(Only applicable for aeration systems )</i>	Yes	No
	16. Is enhanced commissioning required ? <i>If Yes please complete enhanced commissioning checklist.</i>	Yes	No
	17. Pre-commissioning photos are required prior to commissioning booking of unit installation and panels. Please confirm if this has been completed. <i>If answer is No please be advised this may delay you checklist being reviewed and passed to our scheduling department.</i>	Yes	No

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## 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.

*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 [commissioning@kingspan.com](mailto:commissioning@kingspan.com)

For further information please contact: UK Tel: **0333 240 6868** | NI Tel: **028 3836 4600** | ROI Tel: **0818 543 500**

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## ENHANCED COMMISSIONING CHECKLIST

Enhanced Commissioning is outside the standard commissioning sale which includes additional labour and parts.

Please answer the below questions if you have selected an enhanced commission. Kingspan Water and Energy LTD do not accept any responsibility if your visit is aborted due to incorrect information provided and you will be charged for any additional time onsite as a result or a return visit.

Kingspan can quote to supply parts required for enhanced commissioning and please complete the below checklist to receive a quote otherwise the installer will be required to supply these to attending engineer/s on the day.

**Cables** Please note Kingspan Water and Energy LTD can only supply Armoured Cable if requested for install and this will need installed prior to commissioning visit and comply with current electrical installation regulations and leaving enough spare cable for Kingspan to make the final connections in the Panel and Tank.

<b>Checklist</b>	Size of cable required*		mm
	<small>*All cables need be specified by a qualified electrical installer and consideration to be taken when specifying cable size i.e load/distance /voltage drop and resistance.</small>		
	Cable type required (Flexi cable must be installed in a duct)	Flexible	Armoured
	Please advise below if you want glands supplied-		
	PVC Glands for Flexible		Qty
	SWA Glands for SWA Cable		Qty
	Distance from bottom of chamber to panel including all duct routes?		metres
	Glands required for pump cable - SWA glands PVC/Flex cable		
	Armoured glands for armoured cable		
	Junction boxes required	Yes	No
	Magic gel required?*	Yes	No
	<small>*Magic gel is strongly advised to make junction box inside tanks IP68 rated to protect against moisture and short period flooding</small>		
	Sealing foam for sealing each cable /airline duct	Yes	No

I confirm all the information I have provided is correct

Signed:

Position:

Date