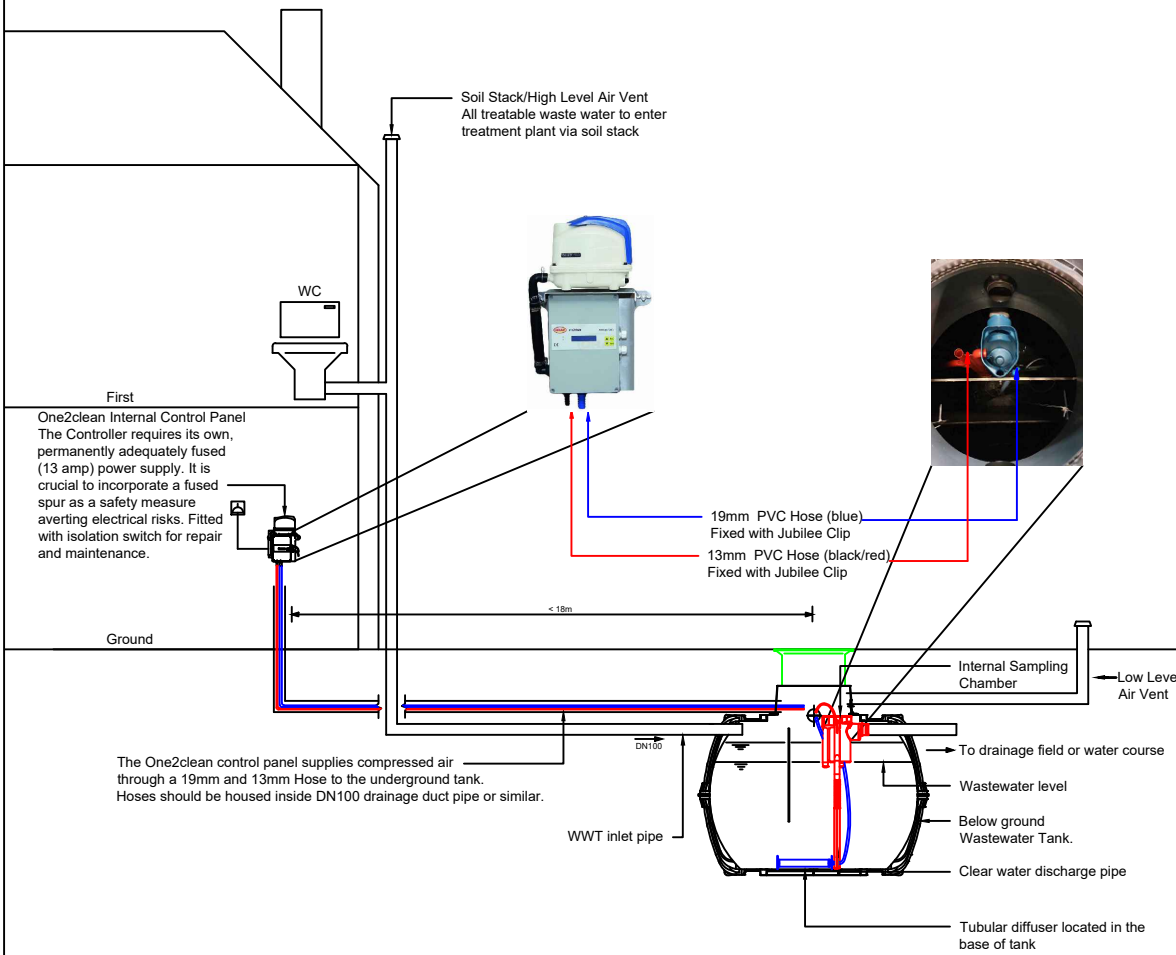
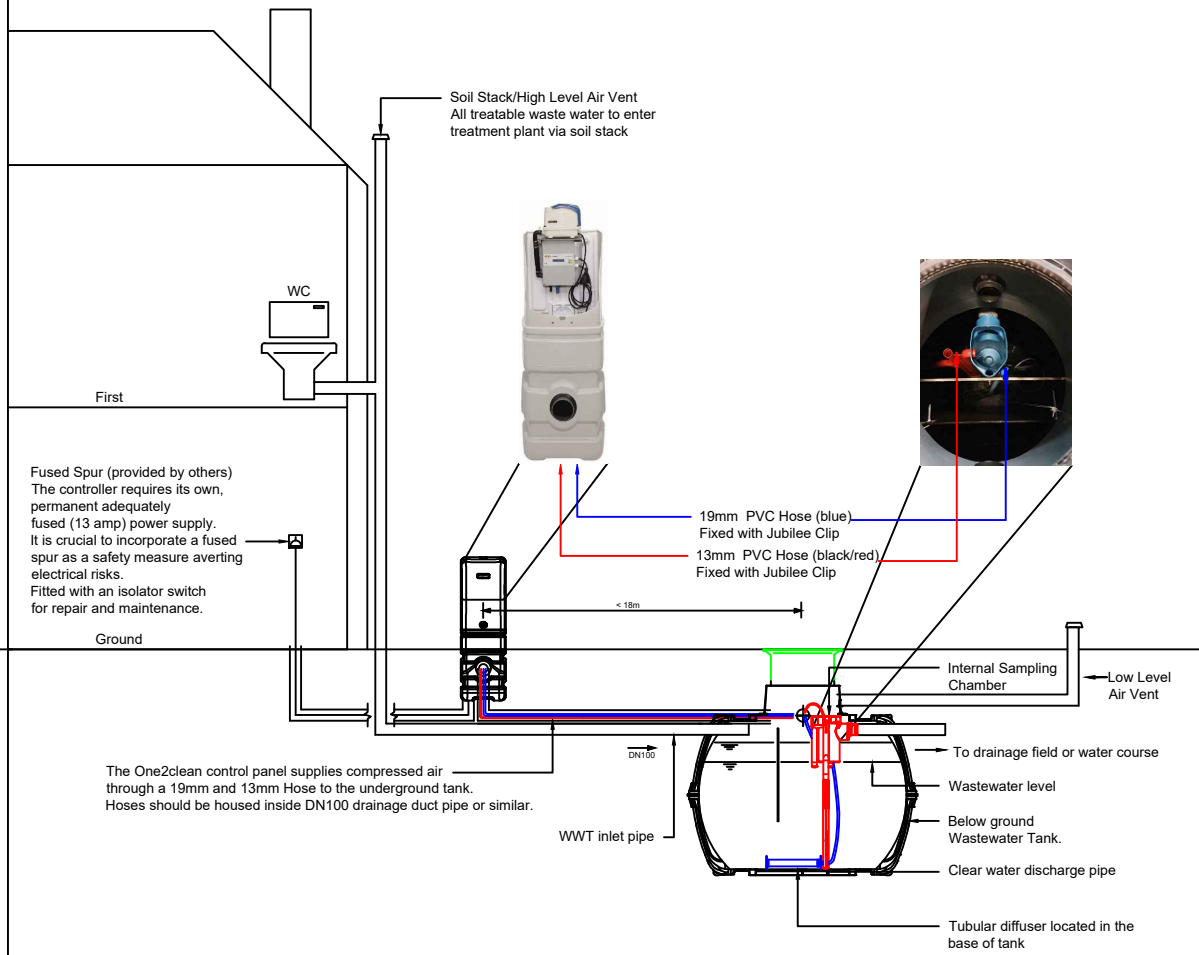


5PE ONE2CLEANEXTRA WITH INTERNAL CABINET



5PE ONE2CLEANEXTRA WITH EXTERNAL CABINET



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GRAF 5PE ONE2CLEAN SPECIFICATION



P0	LATEST REVISION	KS	21.11.23
REV.	DESCRIPTION	BY	DATE

CABINETS

EXTERNAL PLASTIC CABINET S
FOR STANDARD ONE2CLEAN
CONTROL PANEL



EXTERNAL PLASTIC CABINET M
FOR KL CONTROL M PANEL &
STANDARD ONE2CLEAN CONTROL
PANEL



COMPRESSOR

HIBLOW XP 80
COMPRESSOR



CONTROL PANEL

ONE2CLEAN
CONTROL PANEL



SYSTEM HOSES

*PLEASE NOTE THAT HOSE COLOURS
MAY VARY



13MM DISCHARGING
AIR LIFT



19MM AERATION

NOTE:- Tank accessory suitability may vary depending on project. Please contact Graf UK for sizing and support.

GRAF UK Limited

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DRAWN :	KS	DATE :	21.11.2023
CHECKED :	FC	SCALE :	VARIOUS@A3

PROJECT

GRAF STANDARD DETAILS

DESCRIPTION

**GRAF 5PE ONE2CLEAN
3,750L CARAT S**

DRAWING No.	REV.
5PE ONE2CLEAN STANDARD DETAIL	P0
	Page.2

TRENCH DETAILS

FOR SUFFICIENT WORKING ROOM, THE BASE AREA OF THE TRENCH MUST EXCEED THE DIMENSIONS OF THE TANK BY 500mm ON ALL SIDES.

MINIMUM DISTANCE FROM SOLID STRUCTURES TO BE 1000mm.

THE TRENCH EMBANKMENT MUST BE DESIGNED SO SLIPPAGE OR COLLAPSE OF THE EMBANKMENT WALL IS NOT TO BE ANTICIPATED.

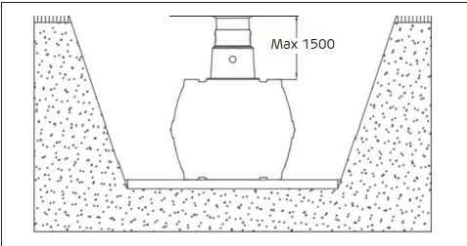
THE CONSTRUCTION SITE MUST BE HORIZONTAL AND PLANE AND MUST GUARANTEE SUFFICIENT LOAD-BEARING CAPACITY.

THE DEPTH OF THE TRENCH MUST BE DIMENSIONED SO THAT THE MAXIMUM COVER ABOVE THE TANK IS NOT EXCEEDED (SEE BELOW DETAILS).

THE TANK AND ANY OTHER COMPONENTS THAT CARRY WATER MUST BE INSTALLED IN A FROST-FREE AREA. THE FROST-FREE DEPTH IS USUALLY APPROX. 600mm-800mm. EXACT DEPTHS CAN BE OBTAINED FROM THE RESPONSIBLY AUTHORITY.

A 150mm-200mm COMPACTED LAYER OF 10-20mm ROUND GRAIN GRAVEL IS INSTALLED AT THE BASE OF THE EXCAVATION.

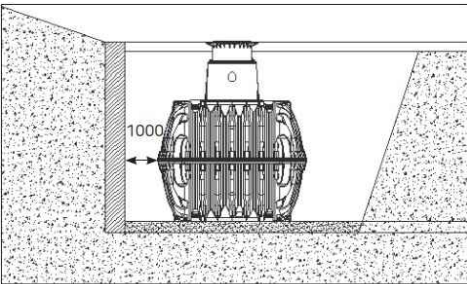
MINIMUM & MAXIMUM COVER



MINIMUM COVER IN A LANDSCAPED AREA TO BE 750mm FROM SHOULDER OF TANK.

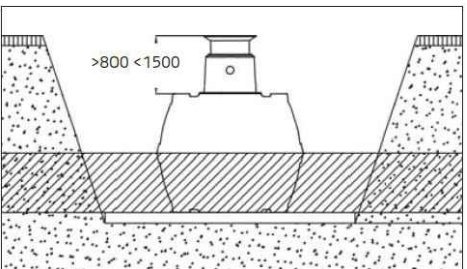
MAXIMUM COVER IN A LANDSCAPED AREA TO BE 1500mm FROM SHOULDER OF TANK.

SLOPE/EMBANKMENT INSTALLATIONS



IF THE TANK IS TO BE INSTALLED IN THE IMMEDIATE VICINITY (<5m) OF A SLOPE OR EMBANKMENT, A STATICALLY CALCULATED RETAINING WALL MUST BE ERECTED TO ABSORB ANY ADDITIONAL LOADING FROM THE SOIL. THE WALL MUST EXCEED THE DIMENSIONS OF THE TANK BY AT LEAST 500mm IN ALL DIRECTIONS AND MUST BE LOCATED AT LEAST 1000mm AWAY FROM THE TANK.

GROUNDWATER INSTALLATIONS



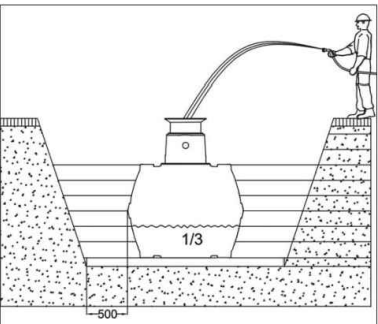
IF IT IS ANTICIPATED THAT THE TANK WILL BE IMMERSED IN GROUNDWATER DEEPER THAN SHOWN IN THE BELOW TABLE, SUFFICIENT DISSIPATION MUST BE ENSURED. DISSIPATION OF THE DRAINAGE WATER (E.G. VIA AN ANNULAR DRAINAGE SYSTEM) IS RECOMMENDED IN CASES OF COHESIVE, WATER-IMPERMEABLE SOIL.

TANK SIZE	2,700L	3,750L	4,800L	6,500L
IMMERSION DEPTH	700mm	795mm	910mm	1050mm

MINIMUM COVER TO BE 800mm FROM SHOULDER OF TANK IN AREAS WITH GROUNDWATER.

MAXIMUM COVER TO BE 1500mm FROM SHOULDER OF TANK IN AREAS WITH GROUNDWATER.

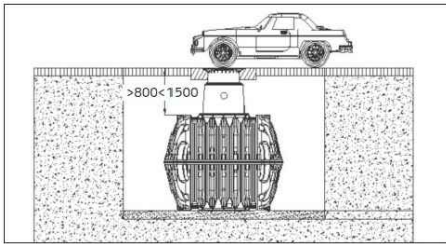
INSERTION & FILLING



THE TANK MUST BE INSERTED, IMPACT-FREE, INTO THE PREPARED TRENCH USING SUITABLE EQUIPMENT.

THE TANK IS FILLED WITH $\frac{1}{3}$ WATER BEFORE BACKFILLING. THE 10-20mm ROUND GRAIN GRAVEL IS BACKFILLED IN LAYERS OF MAX. 300mm STEPS AND IS TO BE WELL COMPACTED WITH A MANUAL TAMPER. MECHANICAL COMPACTION MACHINES ARE NOT TO BE USED UNDER ANY CIRCUMSTANCES. SURROUND MUST BE AT LEAST 500mm ON ALL SIDES OF THE TANK.

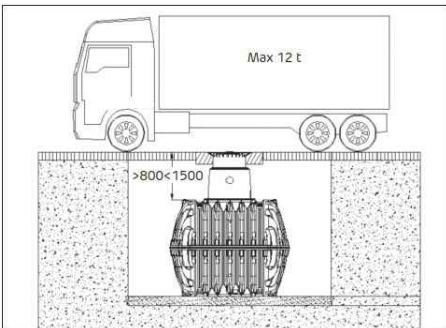
VEHICLE LOADING CONDITIONS



FOR LOADINGS OF UP TO 3,500KG IN TRAFFICKED AREAS WITH NO GROUNDWATER, THERE MUST BE;

MINIMUM COVER OF 800mm FROM THE SHOULDER OF THE TANK, AND

MAXIMUM COVER OF 1500mm FROM THE SHOULDER OF THE TANK.

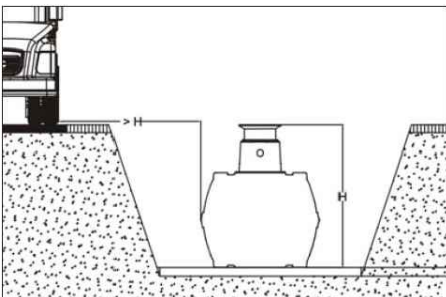


FOR LOADINGS OF MORE THAN 3,500KG AND UP TO 12,000KG IN AREAS OF NO GROUNDWATER, THERE MUST BE;

MINIMUM COVER OF 800mm FROM THE SHOULDER OF THE TANK,

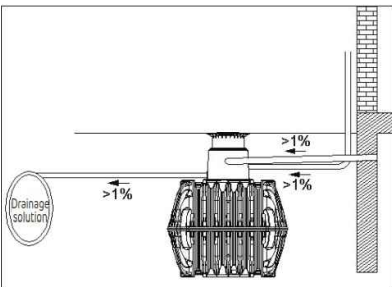
MAXIMUM COVER OF 1500mm FROM THE SHOULDER OF THE TANK, AND

SUITABLE MANHOLE COVER & FRAME (PROVIDED BY OTHERS).



FOR INSTALLATIONS ADJACENT TO SURFACES USED BY VEHICLES OF OVER 3,500KG, THE TANK MUST BE INSTALLED AT A DISTANCE FROM THE ROAD SURFACE THAT IT AT LEAST THE DEPTH OF THE TRENCH.

PIPE CONNECTIONS



ALL PIPE CONNECTIONS MUST BE INSTALLED WITH A FALL OF AT LEAST 1% IN THE DIRECTION OF FLOW (POSSIBLE, SUBSEQUENT SETTLING MUST BE TAKEN INTO ACCOUNT).

IF THE TANK OVERFLOW IS CONNECTED TO A PUBLIC SEWER, THIS MUST BE PROTECTED AGAINST REFLUX BY MEANS OF A LIFTING STATION OR REFLUX SEAL IN ACCORDANCE WITH DIN 1986.

ALL SUCTION, PRESSURE & CONTROL LINES MUST BE INSTALLED IN AN EMPTY PIPE / DUCT AND AS STRAIGHT AS POSSIBLE. ANY NECESSARY BENDS MUST BE FORMED IN 30 DEGREE MOULDED SECTIONS.

IMPORTANT: THE EMPTY PIPE / DUCT MUST BE CONNECTED TO AN APERTURE ABOVE THE MAX. WATER LEVEL.

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GRAF 5PE ONE2CLEAN INSTALLATION



P0 LATEST REVISION KS 14.06.23

REV. DESCRIPTION BY DATE



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DRAWING No. 5PE ONE2CLEAN STANDARD DETAIL REV. P0 Page.3

PLEASE REFER TO TANK INSTALLATION GUIDE FOR DETAILS ON; SAFETY, PRODUCT FEATURES, IDENTIFICATION OBLIGATIONS, TECHNICAL DATA, TANK STRUCTURE, TANK ASSEMBLY & SERVICING AND INSPECTION.