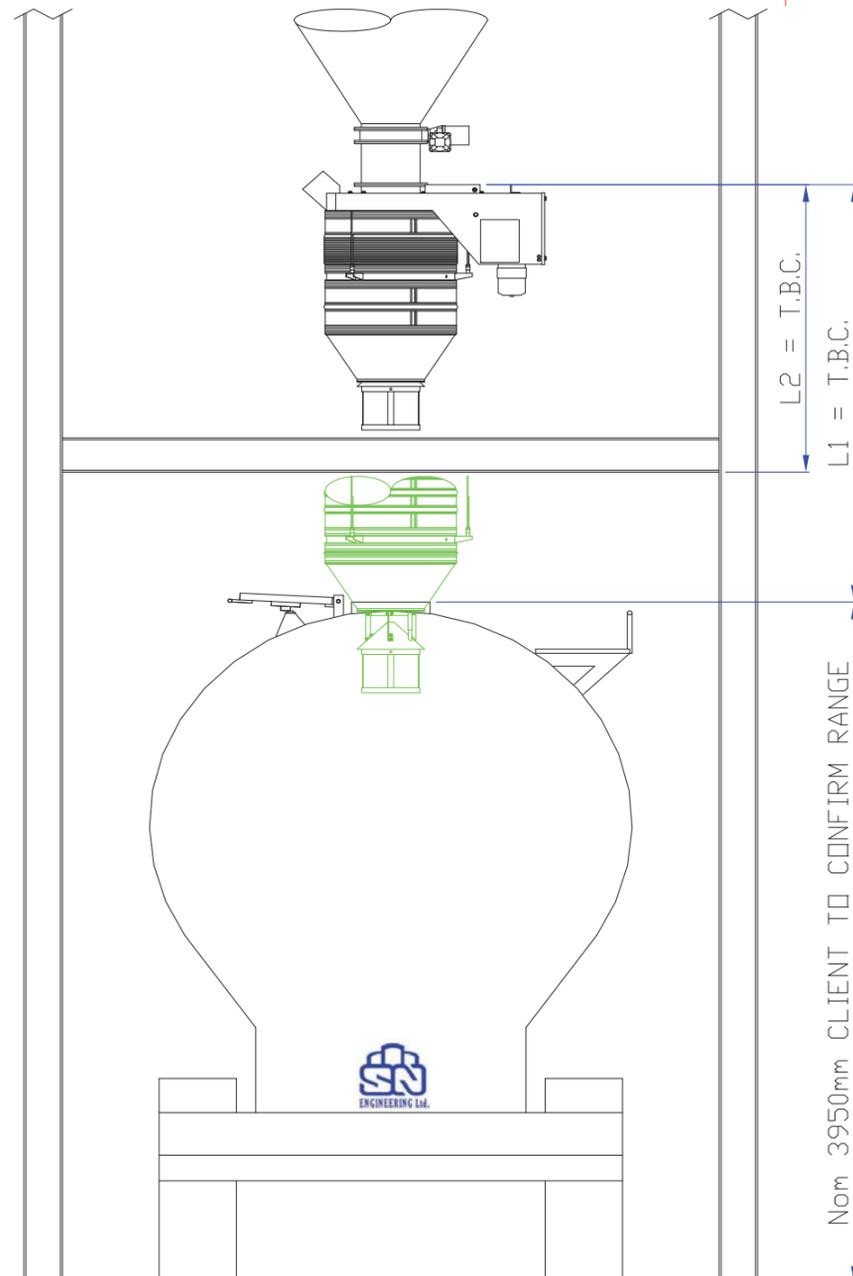
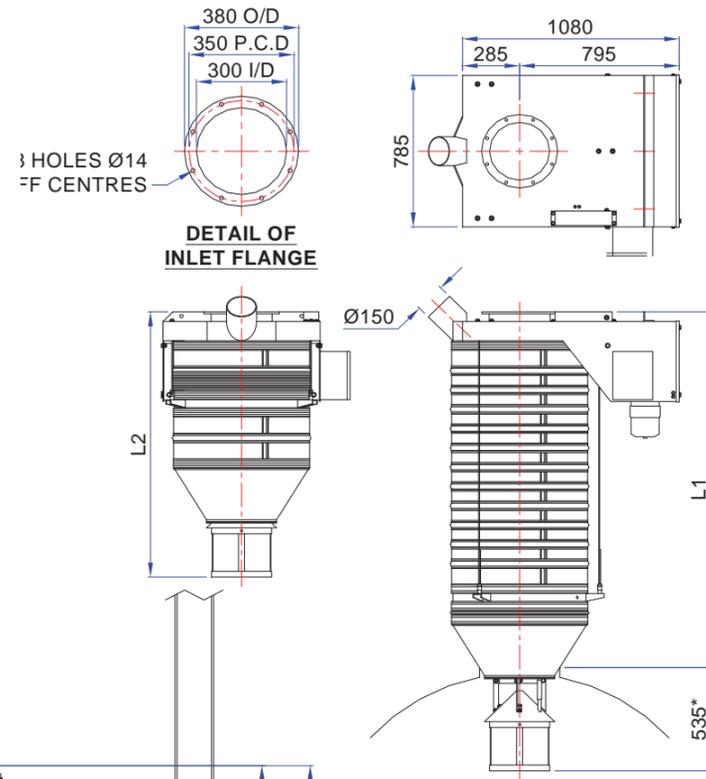


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Nom 3950mm CLIENT TO CONFIRM RANGE

SN7000 Series OUTLOADERS

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ENGINEERING Ltd.

MATERIALS HANDLING EQUIPMENT,
 DESIGN & SUPPLY SPECIALIST

OUTLOADER



SN7000 Series

MATERIALS HANDLING EQUIPMENT,
 DESIGN AND SUPPLY SPECIALISTS

SN7000 Series OUTLOADERS

SN7000 series, Heavy duty loading bellows allow for rapid filling of road &/or rail tankers at up to 250m³/Hr of powder or granular materials.

These heavy duty units are manufactured in house @ Gloucester and can be matched to almost any application needs. The *standard* units come in a host of lengths & configurations and are generally constructed utilising an outer bellow ; inner bellow & internal wear chutes for enhanced longevity in the field. Bellows can be supplied in a host of materials and can accommodate temperatures up to 200°C if required.

Dust emissions are controlled via suitably sized suction thru' the outer & inner bellows via a 150mm Dia extraction spigot. We can also supply as part of our supply a suitably sized fan assisted filter to ensure compliance with EPA & HSE regulations.



SN7000 series of loading bellows have been designed around *Best Practise* principles with all units being manufactured using triple St St support wires for added safety. Units can be supplied in either manual winch type (local or remote) or the more common automated type which utilise high torque gearboxes fitted with 0.55kW brake motors for that extra peace of mind.

Thru' live maintenance has also been considered within the design philosophy with all panels being easily removed (even in situ) thus allow easy inspection ; maintenance and if required replacement of all the main drive gear.



All drive gear is electro-plated thus' ensuring thru' life corrosion is not a hindrance when carrying out any maintenance / replacement work.



S N ENGINEERING Ltd.

Common *extras* include :-

Auto Closer:- to ensure unit is sealed when extracted from the tanker after loading.

Rotary Paddle Level Indicator:- for added peace of mind when filling, warns of imminent overflowing of tank can be used for auto shutdown of feed if used in conjunction with PLC or SCADA control system. **Note:-** this option can only be utilised on conjunction with the *Auto closer* device.

Vibrator:- these can be extra precaution for loading a product that *hang-up* of material bellows and ensures any build up within the prior to extraction from vessel.

Slack Rope:- Detection ensures bellows are lowered into receiving commencing loading

Tight Rope:- Detection ensures motor / gear-down automatically into it's *parked* state - ensures motor / gearbox is not overstressed & protects against premature failure.

Note:- Both sensors, when used with PLC / SCADA systems will ensure the above scenario but can also be utilised for a host of other operational functions, such as:-

Auto Creep - allows bellows to lower automatically during filling should receiving vessel *drop* thru' filling phase.

Auto Fill - allows for filling sequence to commence when bellows correctly positioned within receiving vessel.

Auto Ticket - allows for ticket printing only AFTER the bellows have been raised into it's parked state. This ensures operator has raised the unit prior to driving off!!.



fitted as an clients that are could cause within the clean down of unit after filling & the receiving

sensor, this sufficiently vessel prior to sequence.

sensor, this box is powered when raising unit

