

All New  
2007 Pump Range  
with High Capacity  
24hr Storage

# Pumpstor24

A Range of High Capacity Pumping Systems  
for Domestic & Commercial Applications



[klargester.com](http://klargester.com)

  
**Klargester**

# Pumpstor24

A Range of High Capacity Pumping Systems for Domestic & Commercial Applications

As the specification by Municipal Agencies has increased over the years, emergency storage requirements have become a mainstay for most applications in line with current legislation.

To accommodate this, Klargester has specifically developed a range of pumping stations which incorporate storage requirements which can be expanded to cater for most applications.



## Designed for Quality, Reliability & Peace of Mind

The 2.6m Horizontal Pumping Station is manufactured from robust GRP and incorporates a 100mm reinforcing rib at 770mm intervals. The construction has an 8mm nominal wall thickness to provide a durable and rigid tank system.

The station is designed to incorporate the pump sump at one end of the tank. An integral wall separates the sump section from the holding tank section.

The integral wall has an overflow to allow the effluent to pass to the holding tank in a high level situation. The overflow is screened to 12mm particle size to prevent floating debris and grease from passing from the sump to the holding tank, thereby easing the cleaning process. At a low level in the integral wall, a non-return valve is installed to allow the flow to return to the sump when the system becomes operational again.

The system is simple in design and construction for ease of maintenance.

## Applications

The system range is suitable for the following applications:

- Housing developments with up to 24hr storage requirements (10 - 500 houses)
- Commercial developments
- Industrial developments
- Hotels and restaurants
- Caravan and camping sites

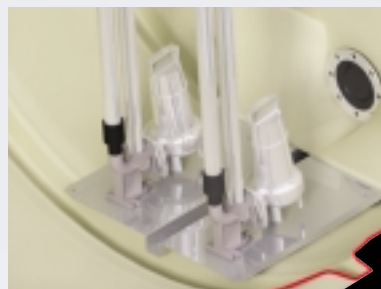
## Features

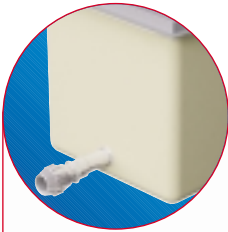
- Manufactured in the UK
- **Single tank installation up to 80m<sup>3</sup>** (multiple tank systems available)
- **Multiple valve chamber location** and invert options
- **Weir cover screen** prevents solids passing into main storage chamber
- **Unique weir screen cleaning facility** removes need to access the chamber during maintenance
- **High level alarm** (as applicable)
- **Totally sealed system**
- **Factory pre-fabricated** under controlled conditions to ensure consistent high quality construction
- **Minimal on-site assembly**

## Benefits

- **Easy to install** - one piece tank chamber
- **Less crange requirements** compared to concrete pumping stations
- **On-site Health & Safety issues are minimised** - no requirement for personnel to enter the tank during excavation on-site to complete installation work
- **Reduced maintenance** - easy cleaning out of holding tank
- **Shallower excavation** compared to concrete pumping stations

The comprehensive range of quality pumps offers solutions for most applications. Pump sizes range from 0.35kW to 12kW for the standard package pumping system.

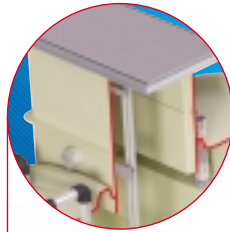




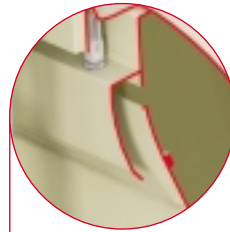
**Valve Chamber**  
Multiple location options.



**Main Inlet**  
2.0, 2.5 and 3.0 metre invert depths.



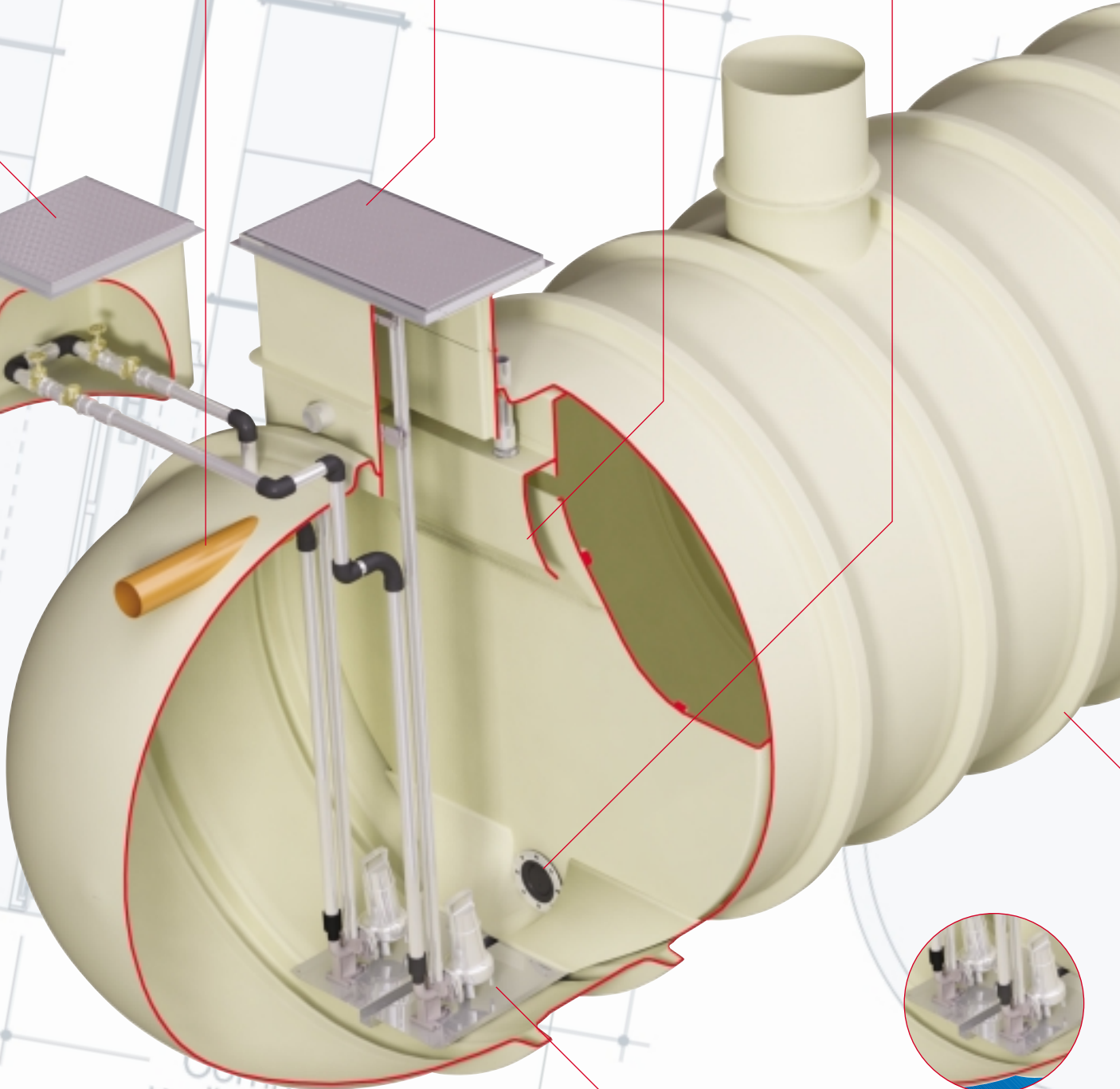
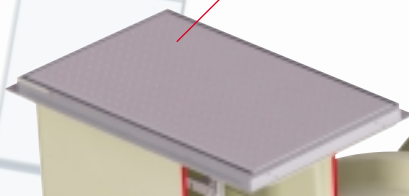
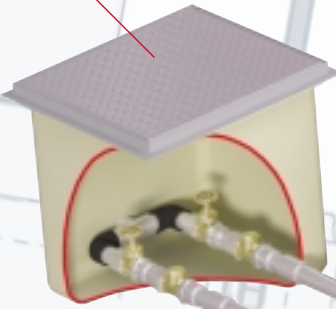
**Main Access Turret**  
For easy maintenance.



**Weir Screen**  
Cleaning facility designed for easy external operation.

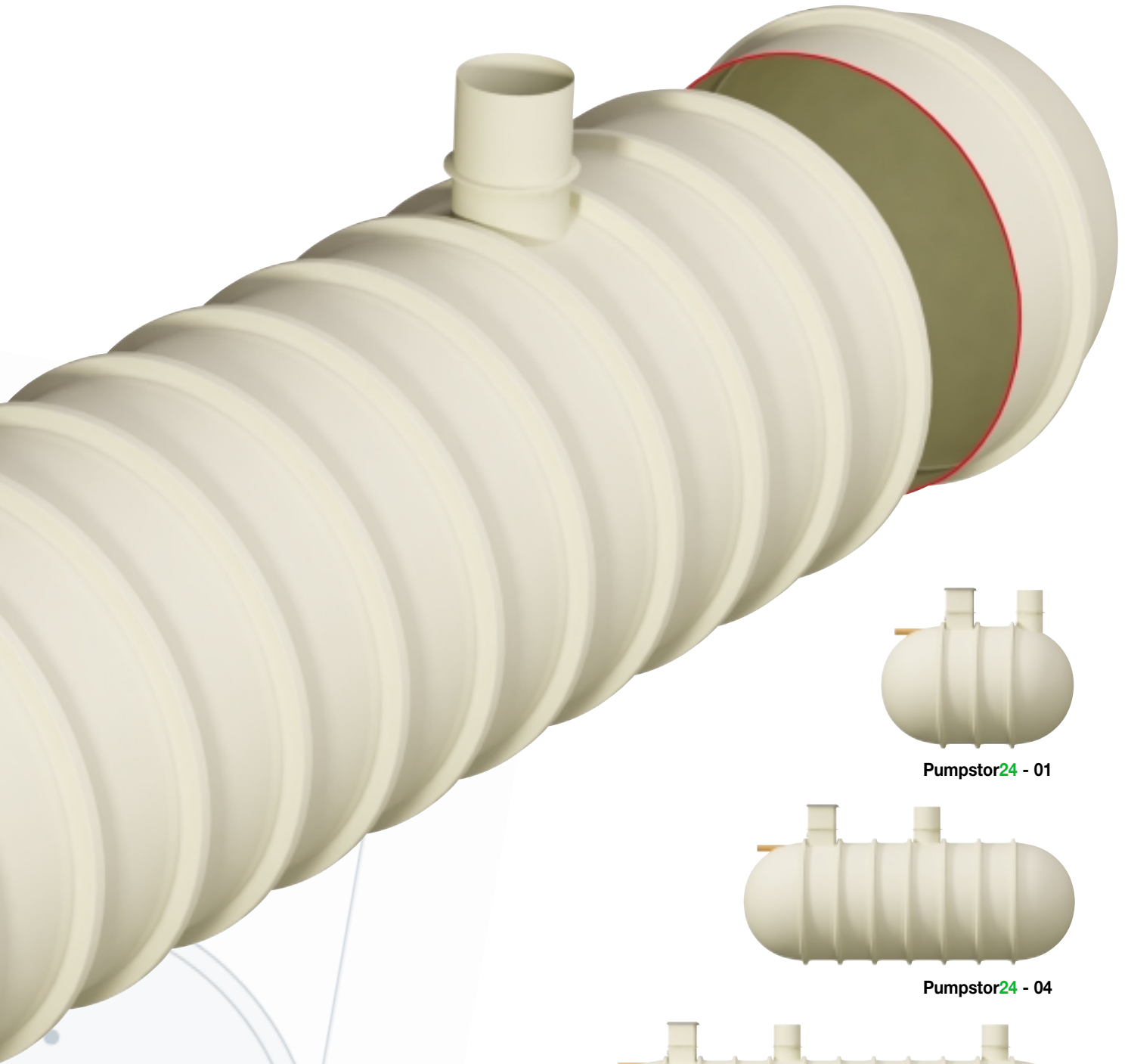


**Non-return Valve**  
Allows return flow to sump.

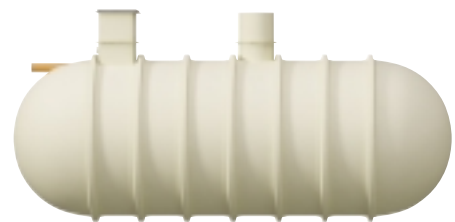


**Pump Pedestal**  
Shallow sump reduces standing residue.

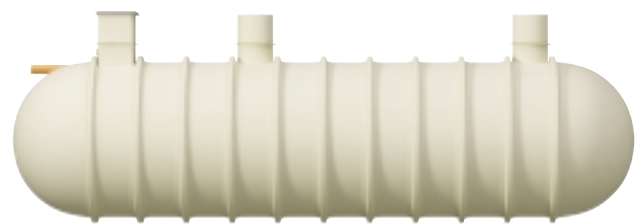
Common wall position



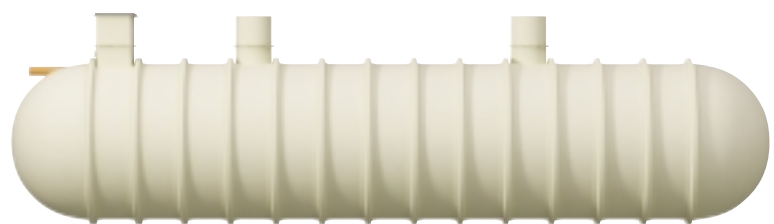
Pumpstor24 - 01



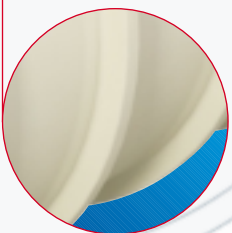
Pumpstor24 - 04



Pumpstor24 - 07

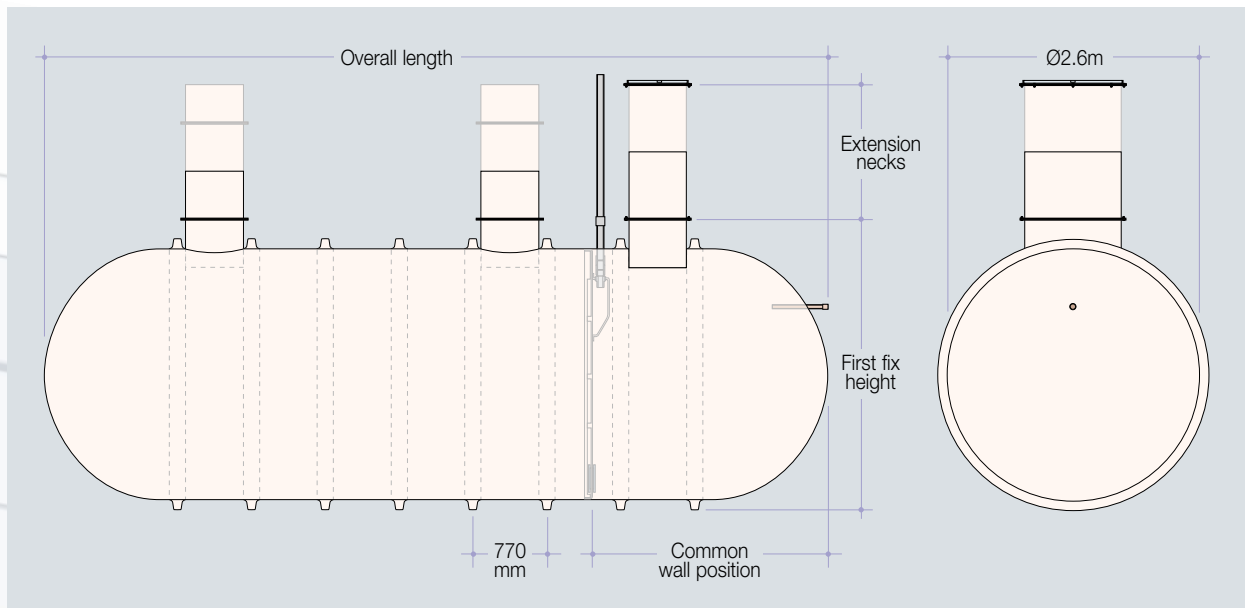


Pumpstor24 - 10



**Reinforced Ribs**  
Heavy duty reinforced rib design.

## Pump Chamber Dimensions



## Pump Chamber Size and Storage Data

Model	Overall Length (mm)	Total Storage Capacity (ltr)	24 Hour Storage Capacity (approx)		
			0.5-2.0m Invert (ltr)	2.5m Invert (ltr)	3.0m Invert (ltr)
PSTOR24-01	4,314	18,302	6,985	5,578	3,665
PSTOR24-02	5,076	22,348	6,985	5,578	3,665
PSTOR24-03	5,843	26,420	10,771	8,566	5,688
PSTOR24-04	6,610	30,493	14,582	11,574	7,724
PSTOR24-05	7,380	34,581	18,393	14,582	9,761
PSTOR24-06	8,150	38,669	22,219	17,602	11,805
PSTOR24-07	8,915	42,730	26,044	20,622	13,849
PSTOR24-08	9,680	47,748	29,845	23,622	15,880
PSTOR24-09	10,451	50,886	33,646	26,623	17,911
PSTOR24-10	11,222	54,979	37,477	29,646	19,587
PSTOR24-11	13,523	67,196	44,308	32,670	22,005
PSTOR24-12	15,065	75,383	52,704	41,694	28,114

## Key Points to Consider

Klargester have a team of pump experts on hand to advise you on the correct product for your site. All we need from you is information on key factors such as:

- Application: e.g. domestic residential/commercial
- Sewage, effluent or surface water?
- Inlet depth (below ground level)
- Pumping distance + lift
- Electrical supply

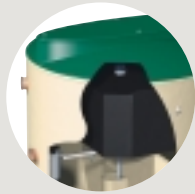
For further guidance on the measurements and sizing data required, simply give us a call. Once completed our team will provide you with a solution.

Contact our Technical Department for further information (see contact details on the back of this brochure).

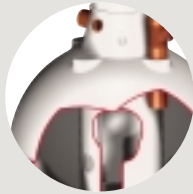
# Klargester Off-Mains Solutions



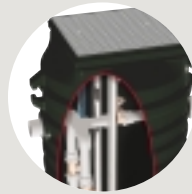
BioDisc® Sewage Treatment Plants



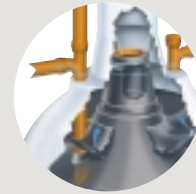
AirFlow Sewage Treatment Plants



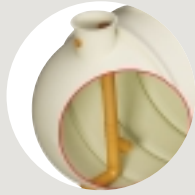
Sigma SuperSeptic



HillMaster Package Pump Systems



Septic Tanks



Attenuation Systems



Pumpstor24 Pumping Systems



Cesspools



Grease Traps



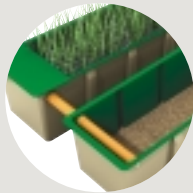
Silt Traps



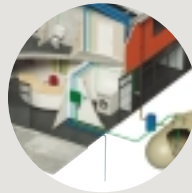
Oil/Water Separators



Silage Effluent Tanks



Reed Beds



Rainwater Harvesting



Garden Watering Systems

*In keeping with Company policy of continuing research and development and in order to offer our clients the most advanced products, Klargester reserves the right to alter specifications and drawings without prior notice.*



# Klargester

## Klargester Environmental

Head Office: College Road North, Aston Clinton, Aylesbury, Buckinghamshire HP22 5EW  
 Tel: +44 (0) 1296 633000 Sales Office Tel: +44 (0) 1296 633033 email: [uksales@klargester.co.uk](mailto:uksales@klargester.co.uk)  
 Klargester Scotland: Tel: +44 (0) 1355 248484  
 Klargester Ireland: NI Tel: +44 (0) 28 302 66799 ROI Tel: +353 (0) 48 302 66799 email: [info@klargester.ie](mailto:info@klargester.ie)  
[klargester.com](http://klargester.com)