

SteamKLEAR Industrial

SteamKLEAR Works for for all sizes of steam boilers

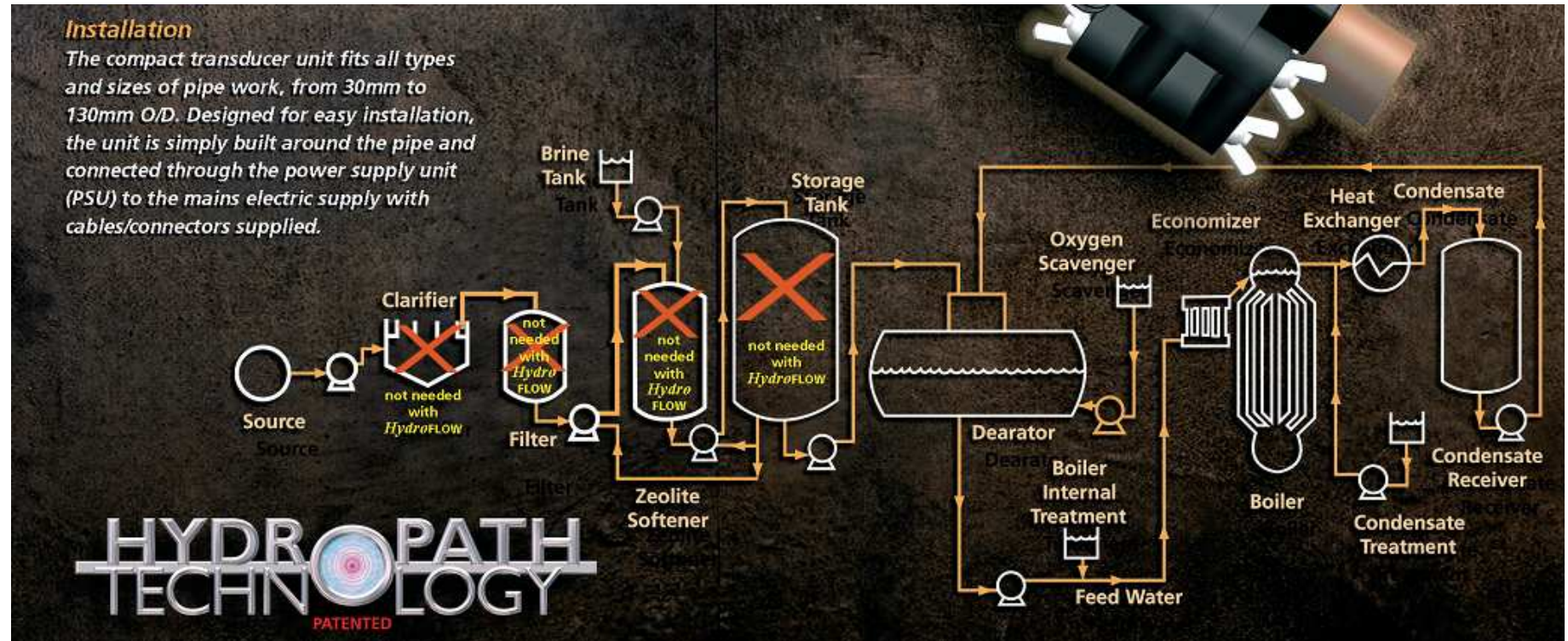
SteamKLEAR uses Hydropath technology to eliminate the need for Water softeners and Chemical cleaning treatments, which are expensive, need special equipment and skills and damage the environment.

SteamKLEAR is not suitable for Boilers used in steam turbines.

See Page 4 below for the SteamKLEAR 38 for smaller installations And case studies.



SteamKLEAR Benefits



SteamKLEAR Common Questions

Does a steam boiler require soft water?

No, not when you use Hydropath

Why does a steam boiler normally require soft water?

Because otherwise the heat exchanger will be covered with Limescale and fail.
This will not happen when you use Hydropath.

Does a steam boiler require anti corrosion chemicals?

No. When you are operating a steam boiler with Hydropath.
It is with hard water, therefore there is no corrosion.

Why does a steam boiler require anti corrosion chemicals?

Without Hydropath, softened water is aggressive to the steam boiler.

Why are anti-scaling chemicals used in steam boilers?

Because ion exchange softeners are not perfect.
Anti-scale treatment is required periodically, But not with Hydropath.

Why is acid cleaning periodically required?

Because deposits cannot be dissolved by soft water alone.
Hydropath dissolves existing deposits; so acid cleaning is required.

Why is DIMIN or RO equipment used for treatment of steam boiler water?

Because softening by an ion exchange is not perfect.
This expensive equipment is not necessary with Hydropath.

Is water softening damaging to the environment?

Yes. Discharging concentrated salt and chemicals damages the underground aquifers.

Can we use hard water with a steam boiler?

Yes. But you need Hydropath to prevent the deposits of scale on the heat exchangers.

In fact, Hydropath will only be effective with a hard feed-water.

How does hydropath technology work?

Hydropath technology moves hydrated ions together to clusters of ions.
These act as seeds for suspended crystallisation, preventing deposits on the surfaces of the boiler.

Can I use hydropath technology to clean a boiler of scale deposits?

Yes. Hydropath technology causes precipitation in suspension that releases CO₂. Under pressure in the boiler the CO₂ is converted to carbonic acid that combines with existing carbonates to form soluble bicarbonates, these will precipitate in suspension as calcite crystals.

SteamKLEAR Models

Model	Max Pipe o.d mm	Dimensions of unit mm
S45	45	L 294.06 (+/- 1) x D 138 x H 72. Height with ferrites installed 152.95 (+/- 1)
S60	60	L 294.06 (+/- 1) x D 138 x H 72. Height with ferrites installed 159.20 (+/- 1)
S100	108	L 294.06 (+/- 1) x D 138 x H 72. Height with ferrites installed 201.30 (+/- 1)
S120	130	L 294.06 (+/- 1) x D 138 x H 72. Height with ferrites installed 229.59 (+/- 1)

Custom units can be made to fit larger sizes

SteamKLEAR S38

We introduce the S38, often described by our customers who use it regularly as ...
'small but very powerful!'

The SteamKlear S38 primarily treats limescale, but in some applications where appropriate i.e. small aquarium, it is perfectly suitable to fit a very small pipe size outside diameter, and in this application treats bacteria and algae too.

A special feature of the S38 is that the electronics are fully encapsulated for it to withstand atmospheric and environmentally difficult conditions.

So it is perfect for conditions that often occur around low pressure steam generating equipment. The S38 can fit pipe size as small as 5mm and up to 38mm outside diameter.

Common applications of the SteamKlear S38

- Laundries and dry cleaners
- Steam Rooms
- Saunas
- Steam Ovens
- Humidifiers
- Evaporators
- Small aquariums
- Complex limescale applications

Power Supply Option

Hydropath had specifically designed a transformer power supply for the HS38 and adapted to your national electrical system. Please seek advice for the correct power supply option for you.

Does not require plumbing or any dismantling whatsoever. If you would like more information on how it works see [technology](#) page.

- The green technology that saves YOU money

Clip on - switch on -

say goodbye to limescale!

- Prevents scale formation
- Treats the system upstream & downstream
- Removes limescale
- Cuts heating costs, conserves energy
- Extends equipment life
- No plumbing required
- Easy to install
- Maintenance free
- No chemicals
- Economic to operate



CASE STUDY - McDonalds HUNGARY

McDonalds, Budapest. The Steamklear S38 protecting the Steam Oven which is used for baking the buns. In fact there are many bakeries throughout Hungary which use the S38 to protect their Steam Ovens from blocking up.



CASE STUDY - USA

This is one of many installations at dry cleaners in the Los Angeles area, to keep their steam boilers free of scale. All have been successful and the operators no longer need to use softeners and chemical inhibitors.



CASE STUDY - FRANCE

S38 at Pole Sud Ice Cream, France Installation on water supply to reduce cost for heating boiler system.

