



INVERTER BOOSTER

Inverter controlled Booster series. Fully automatic variable speed units, for commercial and domestic applications



- ESPA Inverter booster sets are designed to provide an efficient solution to water boosting applications where existing supplies are unreliable or insufficient to meet the demands of commerce and industry
- ESPA variable speed booster sets embrace the best in modern control techniques, whilst holding true to the traditional principles of quality engineering.
- Due to the compact design ESPA booster sets offer a small footprint in relation to performance. Installation is straight forward, with site work usually limited to connecting site pipe work and the provision of a suitable electrical supply.



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- Stainless Steel suction and discharge manifolds AISI 304 – Copper optional
- Steel chassis finished in black epoxy coating
- WRAS approved nickel plated brass ball valves on each pump providing individual isolation if necessary.
- Anti-vibration mounts as standard
- Steel enclosed panel IP54, incorporating the following features:
 - One or more Danfos inverter(s) (depending on control choice)
 - Door interlocked isolator
 - Pump controller via Transducer
 - Hand / Off / Auto parameter for each pump
 - Duty pump alteration by software control
 - Auxiliary input for low water via probe in suction manifold
 - Volt free contacts for BMS output



Optional Panel Extras:

- Tank Selector Switch
- Anti Condensation Heater in panel or on pumps
- GPS modem (GPS sim card by others)
- Full documentation is provided with each booster set
- Built and tested at our North Essex factory
- WRAS approved pumps if specified



ESPA Control Panel advantages:

- MAJOR FEATURE – Every time power to the booster set is interrupted on resumption of power, the controller cycles through a “filling system” programme. This eliminates pipe work failure due to hydraulic shock
- Can control up to six frequency controlled pumps directly via inverter “data bus”
- Jockey pumps can be two off and variable speed as well as fixed speed operation
- On a large pump system – has a “standard anti-cavitation programme” to stop damage occurring to pumps on large multi-pump sets
- Pump alternation can be time of day / week OR on hours run. Total flexibility
- Password protection