



APPLICATIONS

The Hydro EN pump sets are designed for automatic sprinkler systems and comply to EN 12845 Standards for - Fixed firefighting systems - Automatic sprinkler systems - Design, installation and maintenance. The pump sets cover flow rate up to 650 m³/h and head up to 140 m for each duty pump. Larger ones available request.

CONSTRUCTION FEATURES

The pump set is designed for operation with clean water and for automatic sprinkler systems. The pump set is compact, robust, modular and supplied in pre-assembled blocks to make transport, handling and installation easier. The pumps are of the back pull-out design, enabling removal of the motor, coupling, bearing bracket and impeller without disturbing the pump housing or pipes.

- The diesel engine is designed for continuous operation at full load in compliance with the ISO 3046 standard. They are either air or water cooled depending on size.
- The fuel tank is sized to ensure at least 6 hours of continuous operation and is equipped with a containment basin and vent connection. All sets are factory-tested with a factory test report as required by the EN 12845 standard. The range consists of the following types:
- S version: One or two duty pumps operated by an electric motor.
- Y version: Two duty pumps. One pump is operated by an electric motor and the other by a diesel engine.
- T version: One or two duty pumps operated by a diesel engine.

The systems described above include the following:

- One jockey electric pump controlled by a control panel with a 24-litre tank to restore the system pressure in case of small leaks.
- An independent control panel for each duty pump. Two pressure switches for each duty pump which are hydraulically connected to each other with a manifold of 15 mm in diameter.
- A pressure switch on each duty pump to detect the actual pressure supplied.
- Connection for the priming circuit and connection for the recirculation circuit to prevent overheating of the pump when running against closed valves, as required by the EN 12845 standard.

The following accessories can be provided:

- A suction kit dedicated for installation in suction lift or in positive head conditions, including an eccentric divergent pipe with a controlled taper, a vacuum pressure gauge and an isolating valve (not included in the version for installation in suction lift conditions). All accessories are sized according to the prescriptions of the standard.
- A testing kit including a flow meter, valves and straight pipe sections to get the optimum flow rate reading. An industrial silencer is supplied as standard for diesel pump sets.