



FIRE FIGHTING UNITS EUROPEAN STANDARD EN 12845

Pressurization units for sprinkler system designed according to European standard EN 12845 The European Standard EN 12845 stated that units must be set up with:

- 1 electrical pump
- 1 diesel pump
- 2 electrical pumps
- 1 electrical pump + 1 diesel pump
- 2 diesel pumps
- 1 electrical pump + 2 diesel pumps
- 3 diesel pumps.

DAB pump sets are manufactured according to a modular design that allows to arrange all groups' version expected by Standard EN 12845.

DAB supply modular booster sets in four version:

- 1 KDN MD EN ; composed by 1 Diesel pump
- 1 KDN MD EN-JET , composed by 1 diesel pump + 1 jockey pump
- 1 KDN EN , composed by 1 electropump
- 1 KDN EN-JET , composed by 1 electropump + 1 jockey pump.

To arrange all versions (booster with 2- 3 pumps) we supply the Joint manifold kits as accessory, the kit must be assembled between the delivery manifolds of the two single units.

Main components :

- Eccentric connection unit fixed on independent suction port of the pump.
- Standardised centrifugal pumps KDN series (with spacer coupling) with performance and construction according to EN 12845 standard
- Electrical or diesel motor able to supply the maximum power absorbed by the pump
- Detection of diesel engine rotation (speed sensor)
- one control panel for each pump , completed with voltmeters and ammeters, 2 starting batteries, 2 battery charge control units, rev counter, hour counter, Man-O-Aut selector, general switch, warning lights.
- control panel for jockey pump (if present).
- fuel diesel tank with capacity to guarantee 6 hours of operation (only for diesel version).
- check valves
- Jockey pump (if required) JET or KVCX series, for little pressure drop, complete with 1 expansion tank.
- flow meter (optional) to be installed on delivery manifold.
- galvanised steel base
- galvanised steel delivery manifold complete with starting pressure switches , by-pass circuits and pressure gauge

According to EN 12845, the user shall carry out a program of inspection and check, arrange test, service and maintenance schedule and keep records on a book which shall be kept in the premises.

The installer shall provide the user with a documented inspection and checking procedure, with particular mention to emergency manual starting of pumps.

**DAB supplies, together with fire fighting boosters, a list of all inspections and checks required by EN 12845.
The Declaration of Conformity to Standard EN 12845 is provided with each group.**