



DENSO PHARMA PRODUCT LINE

Pharma Line is a new range of specific **DENSO** products designed for temperature conditioned transport of special materials for vehicles with Cargo room volumes of 2,5 to 18 m³.

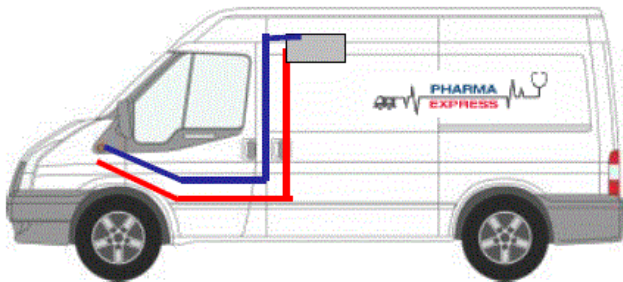
DENSO Pharma Line products keep the temperature in the insulated Cargo room in a temperature range of **+10°C ~ +25°C**, with outside temperatures of **+40°C ~ -10°C**

This makes this **DENSO** product suitable for all non-ATP freight transport according to the current European legislation, including Pharma, as well as flowers, plants, food, animals, works of art and wines.

For further info: info@thermovans.eu

PHARMA BASIC

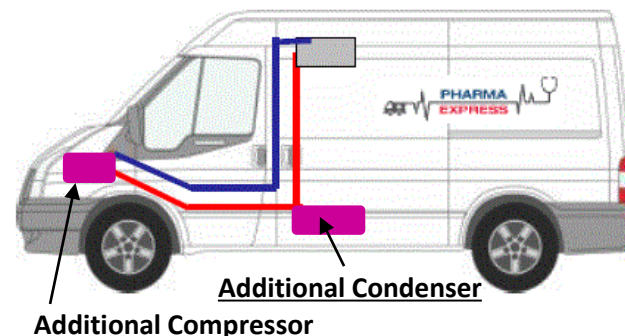
Designed for SMALL and MEDIUM vehicles (cargo room from 2,8 to 12 m³) that operate in Continental and Warm climate. Also suitable for LARGE vehicles (cargo room 12-18 m³) that operate only in continental climate but always in combination with a insulated cargo room. (K-value <0,8 W/m².K).



The Pharma Basic system is **combined** with the original vehicle HVAC system

POWER PLUS

Designed for LARGE and EXTRA LARGE vehicles (cargo room 12-18 m³) that operate in Warm and Tropical climate but always in combination with a insulated cargo room. (K-value <0,8 W/m².K).



The Pharma Power Plus system **is complete independent** from the vehicle original HVAC system with a additional Pharma compressor and undermount condenser.



Both of these systems are supplied as a complete Pharma kit produced under **DENSO OEM quality standards** ensuring easy installation using (**PLUG & PLAY SOLUTION**).

We make use of a dedicated brazed HVAC unit for cargo room controlled with a multifunctional digital control (with an **integrated data logger**) that allows a **fully automatic and dynamic control of the temperature and the ventilation** using PWM.

Pharma systems **are tested in DENSO climatic chamber** and the systems complies with the EU guidelines (EU 2013/C) for pharma transport in terms of temperature target, real time recording and downloading of data by USB.

All the components (electrical and functional) are integrated in the HVAC unit which is protected by a special ABS cover in order to ensure easy cleaning of the Cargoroom in respect of the HACCP specifications.

DENSO Pharma Line can be supplied (as optional) with the connection to **DENSO Pharma Connect** in order to remotely monitor the location of the vehicle and the temperature of the Cargo.