

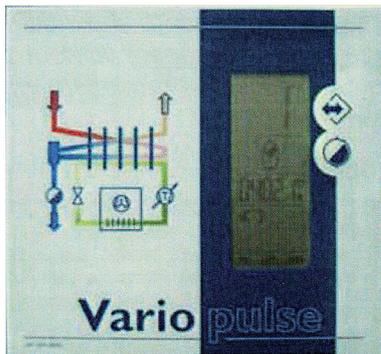


Donaldson
FILTRATION SOLUTIONS

PRODUCT PROFILE

Fridge Dryer

New Variopulse VAP 003 SV 1.4



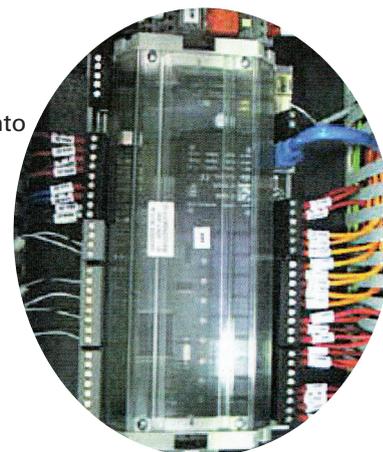
This Bulletin informs about:

- New Variopulse VAP 003, SV 1.4 for the BOREAS-range
- Technical features and advantages
- Spare part number for variopulse-kits

The refrigerant dryer range BOREAS DV1800 to DV28500 has a new enhanced "Variopulse" controller.

The following innovations have been added to the new Variopulse controller VAP003 SV1.4:

- Monitoring of the differential temperature between the compressor oil temperature and the evaporation temperature (start protection against liquid refrigerant flow into the compressor)
- New temperature sensor design (identical with the reliable EUROS sensor)
- Compressor start with 50 Hz frequency (improved lubrication at compressor start)
- Rolling error message
- Operation signal will be recorded in the Log-data-file
- Time of dryer switch-off will be recorded in the Log-data-file
- Message list on 90 items extended
- Date and time is by Variopulse display programmable
- Operation hours meter is adjustable



With the new Variopulse upgrade, the risk of compressor damage being caused by extreme operating conditions and by faulty operation will be instantly reduced. Additionally temperature sensor faults will be avoided. The new temperature sensor design is identical to that used in the Euro's range which has been found to be trouble free.

You can order the Variopulse spare part kit with article number 0114587xxxx. Please note in the last four digits (xxxx) the type number of the dryer (e.g. part.no. 0114587821W for DV7000WP). The spare part kit includes the programmed processor, the temperature sensor set and mounting material.

Variopulse Spare Part Kit Part Numbers:

OLD		NEW	
Spare Part Description	Part Number	Spare Part Description	Part Number
Variopulseprocessor 002 (without programming)	00114102000	Variopulseprocessor 003 (without programming)	0114587000
Sensor VZU 212	0112605000	3m Sensor VZU 214	0114549000
Sensor VZU 213	0112849000	6m Sensor VZU 215	0114550000
Recognisable by a <u>black</u> sensor cable		Recognisable by a <u>white</u> sensor cable	

Please pay attention:

The old and the new temperature sensors show different electrical resistances. **You can't change an old sensor against a new sensor** without changing of the Variopulse processor. With a new sensor on an old Variopulse processor you extend the risk of freezing. Please use only the designated sensor!

You can re-program a programmed Variopulse processor 0114587xxxx as in the past by the Frigodata-service-software.

For more information please contact your Donaldson Representative.

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