



## NEW PROSFD COMPARISON

Features and benefits of New PD0046 – PD0360 compared to Previous PD045 – PD365 models

### NEW PROSFD PD0046 - PD0360

### PREVIOUS PROSFD PD045 - PD365

#### Overview

The new PROSFD dryer range has been designed with customer feedback in mind. Simplicity, superior performance and ease of service is key to PROSFD's new modern design.





Complex and old fashioned, the previous PROSFD models out-dated design will be obsolete within the next 6 months.






#### Service Time

Time required for a full service has been vastly reduced, providing a greater return on servicing fees.

Long and often complex servicing – source of main customer complaints.



-  Desiccant Cartridge Replacement
-  Exhaust Shuttle Replacement
-  Shuttle Valve (top/bottom) Replacement
-  Silencer Replacement

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#### CRN Approval

CRN approved for Canada

Has CRN approval but will need verifications- Imperative for Canadian market

## Controller Options

- UL approved 110v or 230v LED Controller. ✓
- Simple construction ✓
- Full fault diagnostics ✓



Optional LED Controller

- ✗ Non UL approved Controller.
- ✗ Universal power supply
- ✗ Full diagnostics

- UL approved PLC Controller with drain valve function ✓
- Universal power supply ✓
- Digital information display ✓



New Standard PLC Controller

- ✗ Not available

- UL approved PLC Controller with Dewpoint Management Control (DMC) ✓
- Universal power supply ✓
- Digital information display with multi language options ✓
- Reduction in running costs ✓
- Energy savings ✓
- Greater application usage ✓



Dew Point Control Option, PLC Controller + Hygrometer

- ✗ Not available

## Dewpoint Switching

- ✓ User friendly switch mounted on the back of the controller allows the user to choose dewpoint based on application requirement.



Unique switch allowing user to set -20°C, -40°C and -74°C DMC operation.

- ✗ Not available

## Panel Mounted Pressure Gauges

Panel mounted tower pressure gauges: a user friendly feature which provides visual indication of the dryer operation - invaluable for service engineers.



Not available

## Desiccant Cartridge Servicing

Top loading desiccant cartridge design allows extremely simple servicing, eliminating the need to remove desiccant columns to change the cartridges.

Servicing time has been reduced by up to 80% on previous models.

Duplex extruded tubular towers have diecast Xylan coated aluminium top caps that unscrew with a standard 1/2" square socketed set wrench, allowing access to desiccant cartridges.

Two separate desiccant towers with complex bolting and multiple seals. Service time takes significantly longer when compared to New PROSFD Models.

## Multiple inlet and outlet Ports.

Two inlet ports and two outlet ports on each side of the dryer.

Inlet and outlet port on front and back only.

## Purge Orifice Valve

Unique, multi-ported purge orifice incorporates multiple orifice sizes enabling the purge rate to be adjusted on-site to suit varying pressures flows and temperatures.

Single hole orifice valve pre-set at 7 barg requiring a new part for operation at different site conditions.

## Improved Flow Path

New desiccant cartridges are designed to minimise pressure loss and maximise performance.

Improved desiccant blend and mixed bed technology optimises air velocity through the dryer, providing greater energy savings both online and during regeneration.

Aluminium desiccant cartridges. No improved functionality

**NEW**  
**PROSFD PD0046 - PD0360**

**PREVIOUS**  
**PROSFD PD045 - PD365**

### High Performance Cartridges

High Performance desiccant now available for use in medical and breathing air applications, and applications where -74° C/ -100°F is required. Cartridges use 100% molecular sieve type 4A which does not affect the oxygen content of compressed air.

High Performance cartridge available for OEM applications only

### Corrosion Protection

Major control valve parts are made from solid aluminium bar stock and anodised for corrosion protection, reducing the risk of porosity, decreasing the chance of air leaks and increasing energy efficiency.

Major control valve parts are pressure diecast and prone to porosity and minor air leaks

### Compressor Linked Energy Management

Compressor linked Energy Management function – important feature for non-DMC heatless desiccant dryers

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### Alarm Output

Alarm output functions built-in – important feature to highlight potential problems for preventative maintenance

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