MANUAL

PURGE & PRESSURIZATION SMART APP

PEPPERL+FUCHS

Contents

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1.0 Where to Download

Apple Devices

Download directly from the App store on your Apple iOS device.

Available on iTunes: P+F Purge & Pressurization by Pepperl+Fuchs USA
iTunes Category: Utilities
Compatibility: Requires iOS 8.4 or later. Compatible with iPhone, iPad, and iPod touch.
Language: English

Android Devices

Download directly from the Google Play store on your Android OS device

Available on Google Play: P+F Purge & Pressurization by Pepperl+Fuchs USA
Apps Category: Tools
Compatibility: Requires Android 4.3 and up
Language: English

BlackBerry Devices

Download directly from BlackBerry World

Available on BlackBerry World: P+F Purge & Pressurization by Pepperl+Fuchs USA
Apps Category: Business Tools
Compatibility: Supported by all carriers and countries for:
- BlackBerry Leap
- BlackBerry Z10
- BlackBerry Z3
- BlackBerry Z30
- Playbook

Language: English

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2.0 User Interface Simulation

The **P+F Purge & Pressurization** App allows user to easily learn the features and benefits of the Bebco EPS user interface found on the 6500, 6000 and 5500 Series purge models. This interactive training tool provides step-by-step instructions on how to navigate through the UI menu and program the selected purge model for your particular application.

Purge System Selection:
- 6500 Series
- 6000 Series
- 5500 Series

About:
- Version Release
- Send Feedback
- Report a Problem

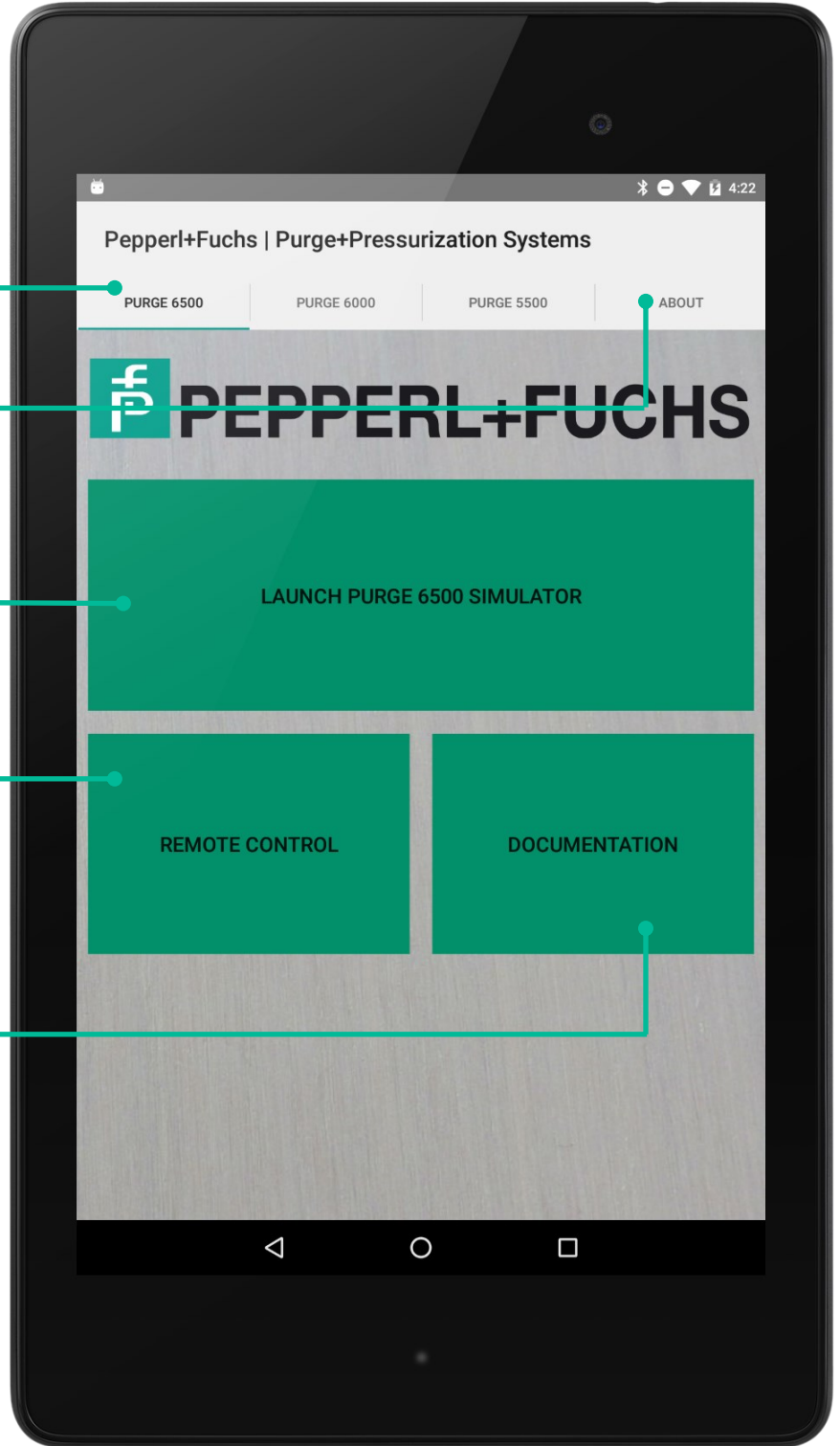**Launch Purge Simulator:**
Open user interface for the selected model

Remote Control:
Launch Bluetooth monitoring controller . *Specifically for the 6500 Series system - See page 5 for more details*

Documentation:
Launch browser to literature / download section of P+F website for particular model
- Datasheets
- User Manual
- Certs
- Quick Guides

Pepperl+Fuchs | Purge+Pressurization Systems

PURGE 6500   PURGE 6000   PURGE 5500   ABOUT

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LAUNCH PURGE 6500 SIMULATOR

REMOTE CONTROL   DOCUMENTATION

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P+F Purge & Pressurization Smart App

2.1 Using the Simulator

Once the desire purge model is selected, users will have access to the full programming menu along with help text that describes each menu option. Here users can access and familiarize themselves with all of the systems purge settings and start up options as if they were using a live purge system control unit such as:

Purge Settings
- Example: Enclosure Volume, Hazardous Environment, Pressure Settings, Timer Settings, Vent Flow Control, Valve Control. Etc.

Input Settings
- Example: Setting up Pressure as an Input, Temperature as an Input

Output Functions
- Example: Setting up alarms for over pressure, lost pressure, and temperature.

Bypass Controls

The Training Mode also allows users to **Simulate Actions** which will prompt the App to automatically simulate the programming steps required to access certain menu options including:

- Initial Setup
- Changing Purge Units
- Set Enclosure Volume

- Bypass
- Display Revision Number

2.2 6500 Series

LED Status Nonfiction
- Safe Pressure
- Enclosure Power
- Rapid Exchange
- System Bypass
- Alarm / Fault
- Key

Access Simulate Actions Feature

Setup
- Purge Settings
- Units
- Input Settings
- Output Settings
- Passwords
- Language
- Bypass Control
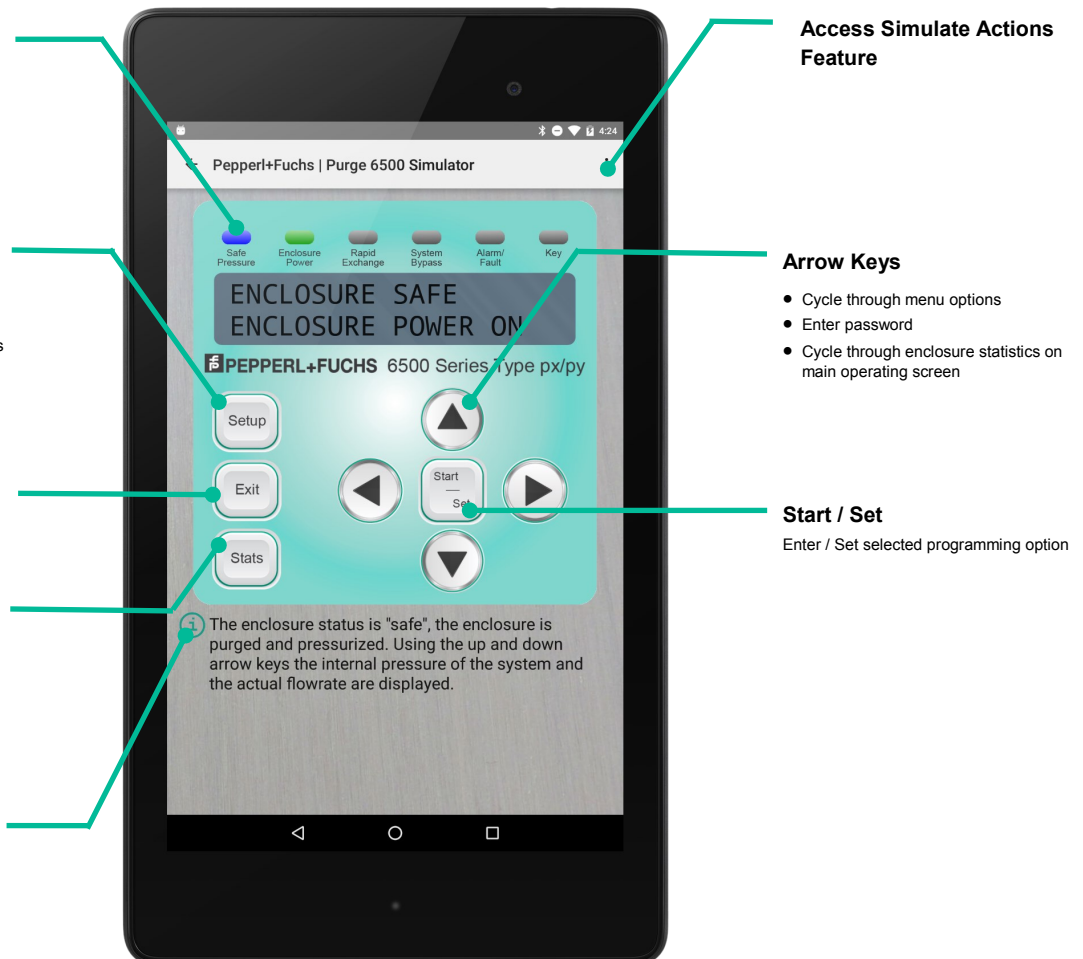- Bluetooth Settings
- Factory Restore
- Bootloader Mode

Arrow Keys
- Cycle through menu options
- Enter password
- Cycle through enclosure statistics on main operating screen

Exit

Return to main screen / exit parameter

Start / Set

Enter / Set selected programming option

Stats
- Statistics
- Current Alarm (s)
- Last Alarm
- Current Fault
- Last Fault
- Clear Statistics
- Clear Fault
- P+F 6500 Rev.
- Settings

Information

Detailed information relating to the active parameter / screen selected within the program menu.

On device screen:
Pepperl+Fuchs | Purge 6500 Simulator

Safe Pressure | Enclosure Power | Rapid Exchange | System Bypass | Alarm/Fault | Key

ENCLOSURE SAFE
ENCLOSURE POWER ON

PEPPERL+FUCHS 6500 Series Type px/py

Setup | Exit | Stats | Start Set | arrow keys (up, left, right, down)

The enclosure status is "safe", the enclosure is purged and pressurized. Using the up and down arrow keys the internal pressure of the system and the actual flowrate are displayed.

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Purge Series Simulation

2.3 6000 Series

LED Status Nonfiction

- Safe Pressure
- Enclosure Power
- Rapid Exchange
- System Bypass
- Alarm / Fault

Setup

- Purge Settings
- Units
- Input Settings
- Output Settings
- Passwords
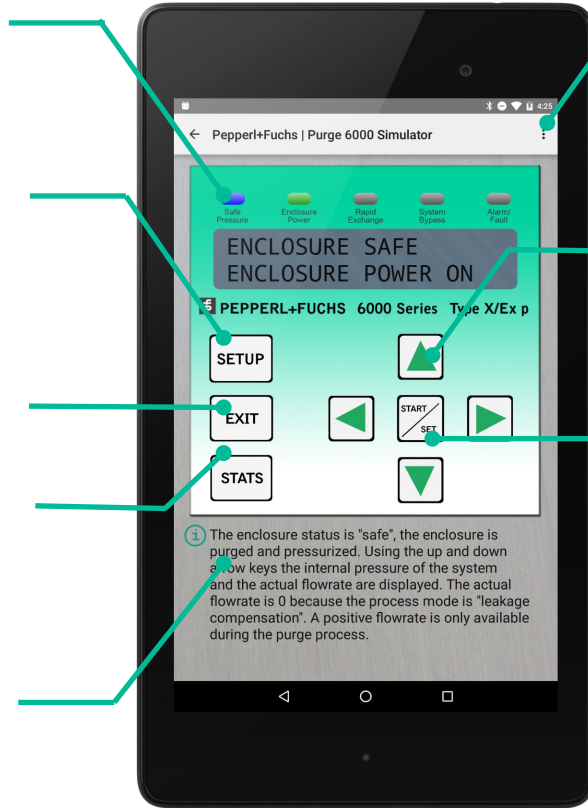- Language
- Bypass Control
- Factory Restore

Exit

Return to main screen / exit parameter

Stats

- Show Statistics
- Show Alarm
- Show Fault
- Clear Statistics
- Clear Fault

Information

Detailed information relating to the active parameter / screen selected within the program menu.

Access Simulate Actions Feature

Arrow Keys

- Cycle through menu options
- Enter password
- Cycle through enclosure statistics on main operating screen

Start / Set

Enter / Set selected programming option

Device screen content (6000 Series):

ENCLOSURE SAFE
ENCLOSURE POWER ON

PEPPERL+FUCHS 6000 Series Type X/Ex p

SETUP   EXIT   STATS

The enclosure status is "safe", the enclosure is purged and pressurized. Using the up and down arrow keys the internal pressure of the system and the actual flowrate are displayed. The actual flowrate is 0 because the process mode is "leakage compensation". A positive flowrate is only available during the purge process.
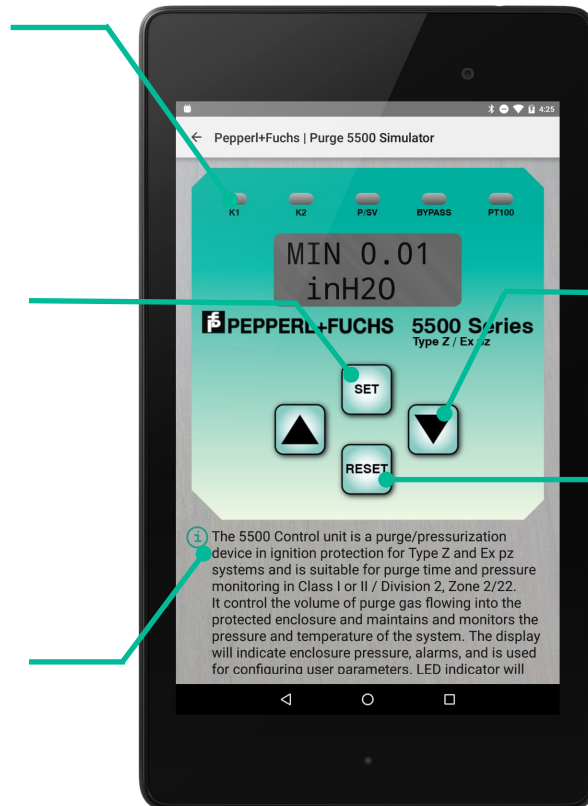
2.4 5500 Series

LED Status Nonfiction

- K1 - Enclosure Power on
- K2 - Aux Contact on
- P/SV - Safe Enclosure Pressure /
- Valve on
- System Bypass
- PT100 Fault

Setup

- Enter Program Tree (hold 5 secs)
- Purge Program
- Purge Time
- Enclosure Pressure Points (P1 - P4)
- Leakage / Hysteresis
- Temperature Settings (Digital Valve or Aux Contact)
- Bypass
- Units
- Enter / set selected programming option

Information

Detailed information relating to the active parameter / screen selected within the program menu.

Arrow Keys

- Cycle through menu options
- Enter password
- Cycle through enclosure statistics on main operating screen

Arrow Keys

- Exit parameter
- Reset power (hold 5 secs.)

Device screen content (5500 Series):

K1   K2   P/SV   BYPASS   PT100

MIN 0.01
inH2O

PEPPERL+FUCHS 5500 Series Type Z / Ex pz

SET   RESET

The 5500 Control unit is a purge/pressurization device in ignition protection for Type Z and Ex pz systems and is suitable for purge time and pressure monitoring in Class I or II / Division 2, Zone 2/22. It control the volume of purge gas flowing into the protected enclosure and maintains and monitors the pressure and temperature of the system. The display will indicate enclosure pressure, alarms, and is used for configuring user parameters. LED indicator will

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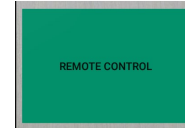# 3.0 Bluetooth Connectivity for 6500 Series Monitoring and Control

Connecting a Device to Control Unit

1) Enable Bluetooth on the 6500 Control Unit

Programming Steps: Setup > Bluetooth Settings > Bluetooth Enable > YES

2) Select **Remote Control** on the 6500 Series home screen.

3) The **Device Selection Screen** will automatically scan for Bluetooth enabled control units and will list all devices found within range. This screen will show control unit details including:

Friendly Device Name:
Displays the friendly name given to each 6500. Will always be 'Purge6500_XXXX' where XXXX is the last 4 digits of the Hardware ID..
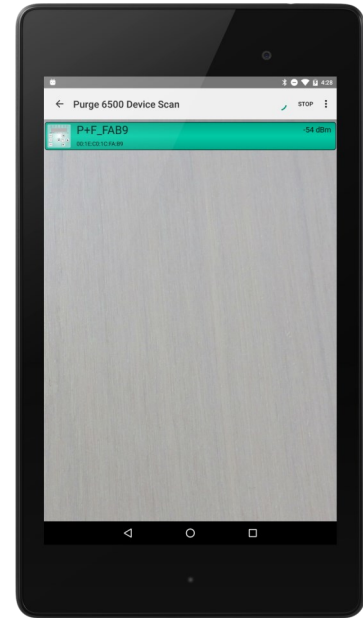
Hardware ID:
Displays the MAC address of the Bluetooth Adapter in the UIC. Each Purge 6500 will have a different Hardware ID, which will never change (unless the UIC is replaced).

RSSI:
This number is the signal strength of the Bluetooth device. This number is expressed in decibels from 0 to -120db and the closer it is to zero, the stronger the signal is

NOTE: To refresh the App's Bluetooth device search, select the menu button at the top right of the App screen.

4) Select which 6500 Series control unit you would like to connect to and to active the **User Interface Screen** display.

NOTE: Just like accessing the user interface on the physical unit, users will be required to enter a password before accessing the programming menu.

After the control unit's password is entered, the Remote Control function will now directly emulate the user interface allowing users to remotely access the programming menu options identical to the physical control unit.

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