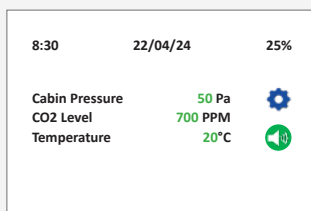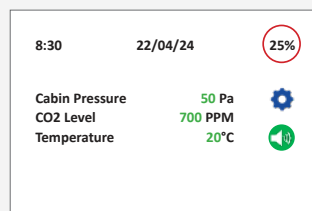# Air Quality Monitoring with Auto Pressure Control

InPress provides precise control and real-time monitoring of your air filtration and pressurisation system ensuring efficiency & effectiveness. Designed to exceed industry standards to ensure ISO 23875 and MSHA compliance. The intelligent touch screen controller measures pressure & CO_2 levels inside a cabin and features built-in data logging and on-screen event logs, to ensure that valuable data is always available for analysis. For a comprehensive air quality solution, combine InPress with BreatheSafe's HEPA filtration solutions. Enhance your intelligent air quality management system, ensuring pure air and superior filtration, saving lives and protecting equipment.
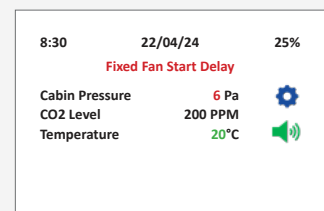
Default Screen
Shows a live display of cabin pressure, CO_2 level, temperature, and system performance parameters.

Fan Motor Output
Pressuriser fan motor speed is displayed as a percentage of the maximum fan speed to analyse cabin sealing & filter load.

Traffic Light System
Visualises system status with clear indicators: normal, warning, and alert.

Key Features of the InPress™ Controller

Automatic Pressure Monitoring
Exception in maintaining preset cabin pressure through its advanced built-in pressure transducer. It automatically adjusts blower speeds to ensure pressure remains within the desired range. While the industry minimum standard is between 20 and 50 Pa, BreatheSafe systems are preset to maintain 20 Pa, with the option to adjust settings as needed. By measuring pressure both inside and outside the clean air compartment, the InPress alerts operators to any potential hazards by sounding alarms when pressure drops. The unit also detects if doors or windows are improperly sealed, increasing blower power to enhance safety.
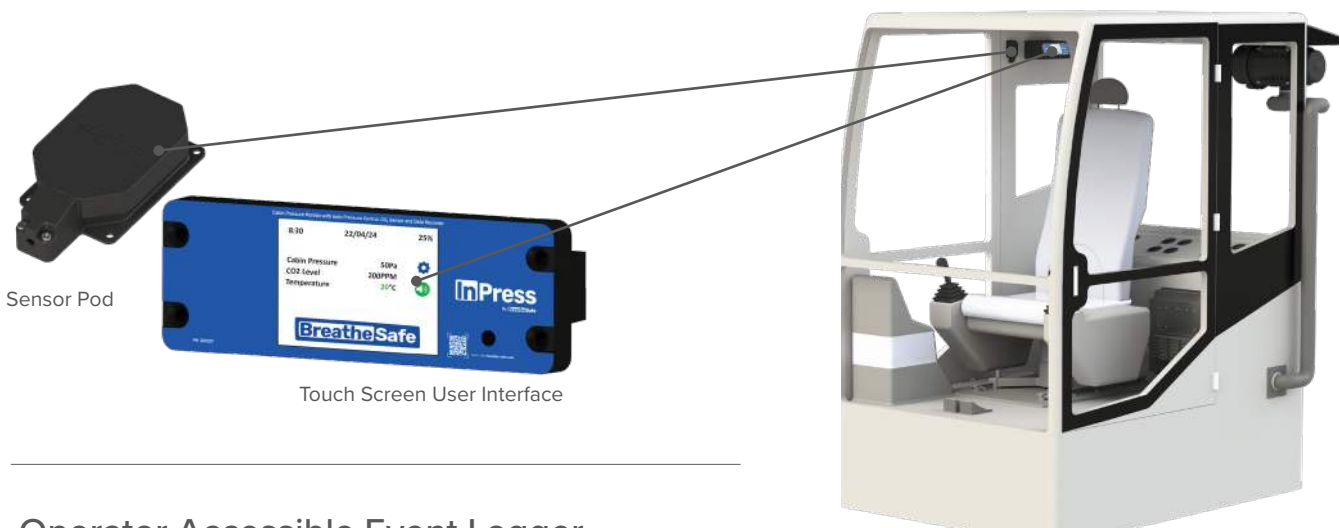
CO_2 Sensor (Optional)
The integrated CO2 sensor continuously monitors air quality and provides real-time data on CO2 levels. It offers audible and visual alerts to notify operators of unsafe air quality conditions, helping maintain a safe environment.

Automatic Data Logging
Automatically logs and stores data, with the capability to retain records for up to 12 months based on sampling requirements. It begins data logging as soon as the unit is powered up, capturing time, date, motor capacity, and current pressure readings. This includes comprehensive alarm logging, which records every instance of an alarm.

Service Test Mode
To ensure optimal performance, the InPress includes a service test mode that assists in evaluating cabin sealing effectiveness and filter capacity. This feature aids in maintaining the efficiency and reliability of the air filtration system.

Sensor Pod

Touch Screen User Interface

Operator Accessible Event Logger

Automatically logs and stores data, with the capability to retain records for up to 12 months based on sampling requirements. Data logging activates as soon as the unit is powered, capturing date, time, motor capacity, and current pressure readings. This includes comprehensive alarm logging, which records every alert.

The event logger records every event with a time and date stamp:
- System shutdown
- System start
- Low pressure alarm
- CO_2 alarm
- Alarm mute

Cabin Pressure Monitor with Auto Pressure Control, CO₂ Sensor and Data Recorder

			BACK		FIRST PAGE		NEXT PAGE
Date	Time	Press	CO2	Temp	Fan	Event Description
15/10/24	16:52	0050	0972	24	39	System Shutdown
15/10/24	15:58	0051	1072	24	35	Max Press. Deactivated
14/10/24	15:52	0492	0861	24	100	Max Press. Activated
14/10/24	15:47	0051	0880	24	32	Alarm Mute Activated
14/10/24	15:44	0051	1481	24	34	CO2 Primary Alarm
14/10/24	15:32	0049	0884	24	36	System Started
14/10/24	14:35	0001	0817	24	100	System Shutdown
14/10/24	13:41	0008	0798	24	100	Alarm Mute Activated
14/10/24	13:38	0012	0812	24	100	Low Pressure Alarm ON
14/10/24	12:38	0050	0842	24	32	System Started
14/10/24	11:31	0050	0638	24	34	System Shutdown

PN: 200027

Controller Animation