

Description

Smart Pressure Control System (SPCS) provides automatic inflation for inflatable products, such as pipe plugs, to the desired pressure. Thus, it controls the inflation pressure as per the specified pressure value. In other words, it doesn't allow the inflation pressure to go above or below the set pressure value. For example, if there is a change in pressure due to external factors such as temperature, it supplies or release air to keep the pressure at the specified value.

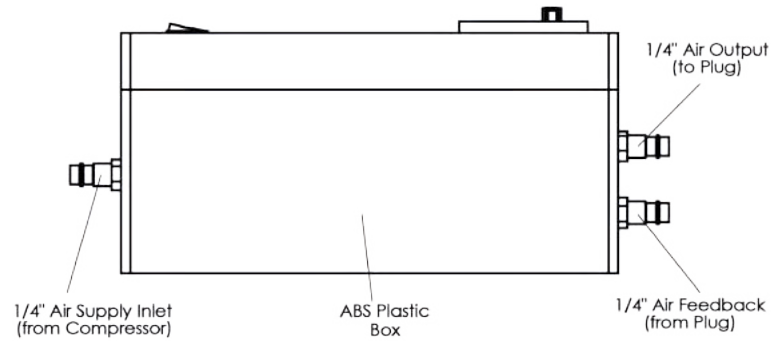
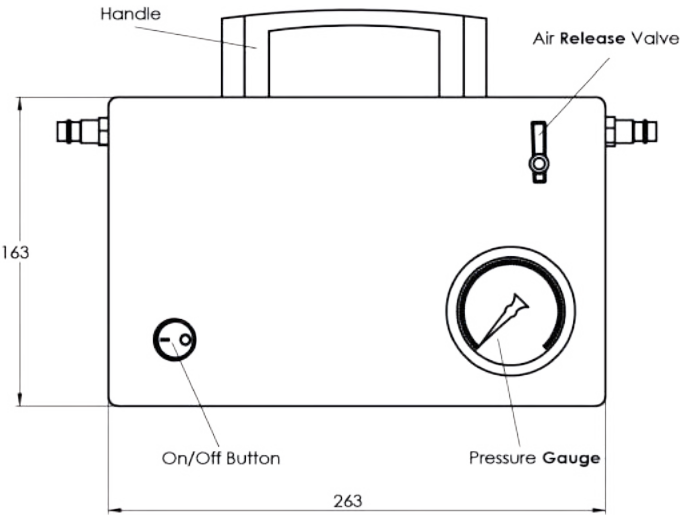
The device is mechanically set to the required pressure. Then, it operates via the On/Off switch button. The analog pressure gauge placed on the box is used to monitor the inflation pressure. The device has a single air supply connection and two accesses to the pressurized area. It is equipped with a solenoid valve and a pressure relief valve, which are used to maintain and control the pressure.

Smart Pressure Control System can be used for maintaining the pressure of different media, such as air, gas or water.

Smart Pressure Control System



Elements and Dimensions



Technical Data

Smart Pressure Control System – I (SPCS-I)

Set Pressure Range for Inflation Pressure	0,2 – 3,0 bar
Set Pressure Range for Pressure Drop	0,1 – 0,25 bar
Air Flow Rate	4,6 lt/min (Optional 7,5 lt/min)
Operating Temperature	-10 °C ...+70 °C
Voltage	14,8 V
Battery Lifetime	2 hours (for continuous air supply)

Smart Pressure Control System – II (SPCS-II)

Set Pressure Range for Inflation Pressure	1,0 – 10,0 bar
Set Pressure Range for Pressure Drop	0,33 – 1,3 bar
Flow Rate	4,6 lt/min (Optional 7,5 lt/min)
Operating Temperature	-10 °C ...+70 °C
Voltage	14,8 V
Battery Lifetime	2 hours (for continuous air supply)