



Vacuum Pressure Controllers

Rough Vacuum Pressure Controller from 8 Torr to 2 Atmospheres



Specifically designed for Vacuum ... The APEX Pressure Controllers provide accurate and repeatable pressure control for vacuum processes.

With the 15 psia version, we can control for 8 torr to 800 torr. With the 30 psia version from 15 torr to 2 atmospheres or 1600 torr.

The Apex Pressure Controller has a user display to change gases, set the pressure and display readings. The RS 232 interface allows control of 26 individual controllers or meters off one computer RS 232 port.

Applications include pressure control in high temperature furnace applications, and certain vacuum coating processes.

The Apex Pressure Controllers can be used with the Apex Mass Flow Controllers and Meters in a system and all be controlled using the FlowVisionSC Software.

This provides a convenient interface for controlling both pressure and flow into a vacuum or high temperature system.

Contact Us



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What makes us different?

- **Fast Response**- 100 milliseconds to control
- **Digital Read-out**
- **Addressable RS-232 Interface**- Control 26 units with one RS-232 port
- **FlowVisionSC Windows Software**-
- **Pinpoint Accuracy**- 0.5% Accuracy Full Scale
- **100-1 Turndown Ratio**- Combined with the pinpoint accuracy allows for a wide range of pressure readings
- **Lower Cost** - More features but not more costly
- **No Costly Readouts Needed**

Plug In Power Supply



PVPS24U Power Supply



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Specifications

Basic Specification	Pressure Controllers	Description
Accuracy	+/- 0.5%	Full Scale
Repeatability	± 0.08%	Full Scale
Operating Range	1% to 100% Full Scale	Measure and Control
Typical Response Time	100	Milliseconds
Operating Conditions (STP)	-10 to 50	° Celsius
Operating Temperature	-10 to + 50	° Celsius
Zero Shift	0.02%	Full Scale / ° Celsius / Atm
Span Shift	0.02%	Full Scale / ° Celsius / Atm
Flow Rate	102.4% Controllable	Full Scale
Burst Pressure	3 Times	Full Scale
Supply Current Peak	0.250	Amp
Supply Voltage	12 to 30	Volts DC
Electrical Connections	8 Pin	Mini Din
Input /Output Signal Standard	RS-232 Serial & 0-5Vdc	
Warm-up Time	< 1	Second
Wetted Materials	302 & 303 Stainless Steel, Viton®. Silicone RTV, Silicon, Glass. All Controllers add: 400 Series Stainless Steel. PC Series Controllers only add: Brass	

Mechanical Dimensions	Mechanical Connections ¹	Controllers
Pressure Controller	1/8" NPT Female	4.1"H x 3.6"W x 1.1"D

1. Compatible with Swagelok® tube, Parker®, face seal, push connect & compression adapter fittings. Alternates available.

Selectable Units of Measure		
TORR	PSIA	PSIG
In HG	In H2O	ATM
mmHG	MBAR	kPA

Other Apex Products-Mass Flow Controllers and Meters

