

524/525 Series AutoSwitch DG

Automatic Switchover System Pressure Transducers Brass/Stainless Steel Components

The 524/525 Series AutoSwitch DG is a continuous gas delivery system for high purity gas service, typically in the laboratory or process plant, that automatically changes cylinder or bank priority from the primary source to a reserve supply without transmitting pressure fluctuations to the use line. Internal pressure transducers indicate inlet and outlet pressures both via LED on the enclosure and at a remote location through the remote alarm.



Advanced Features

- *Integral Line Regulator*
Stable line pressure during change over
- *400 Series Brass/Stainless Steel System Components*
Capsule® seat
- *Metal to metal seals*
No possibility of gas contamination
- *Variable Line Pressure*
Line pressure changeable on site
- *User-Friendly Priority Valve*
One knob switches cylinder priority
- *Removable Enclosure Cover*
Easy maintenance

Remote Alarm

Providing audible and visible notification of cylinder depletion, a single remote alarm can monitor and power up to four DG models.

Slave Alarms

Three additional alarms provide audible and visible alerts

Telephone Dialer

Notify multiple off-site locations of the need to change depleted cylinders

Computer Interface

Up to 12 channels of information available through analog and digital (RS-232) interfaces

Materials

Internal Seals

PTFE Teflon®

Digital Display

Liquid Crystal

Transducers

- 316 stainless steel (socket)
- 316 stainless steel (diaphragm)
- 316 stainless steel (case)

Check Valves

Brass with Viton® seals
or Stainless Steel with Viton® seals

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)
3300 PSIG (230 BAR)

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Maximum Flow (100 PSIG)

600 scfh (283 lpm)

Inlet Connection (Enclosure)

½" FPT

Outlet Connection

¼" stainless steel compression tube

Helium Leak Integrity

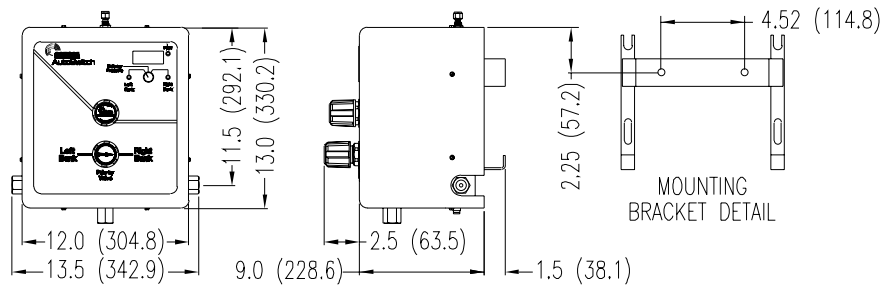
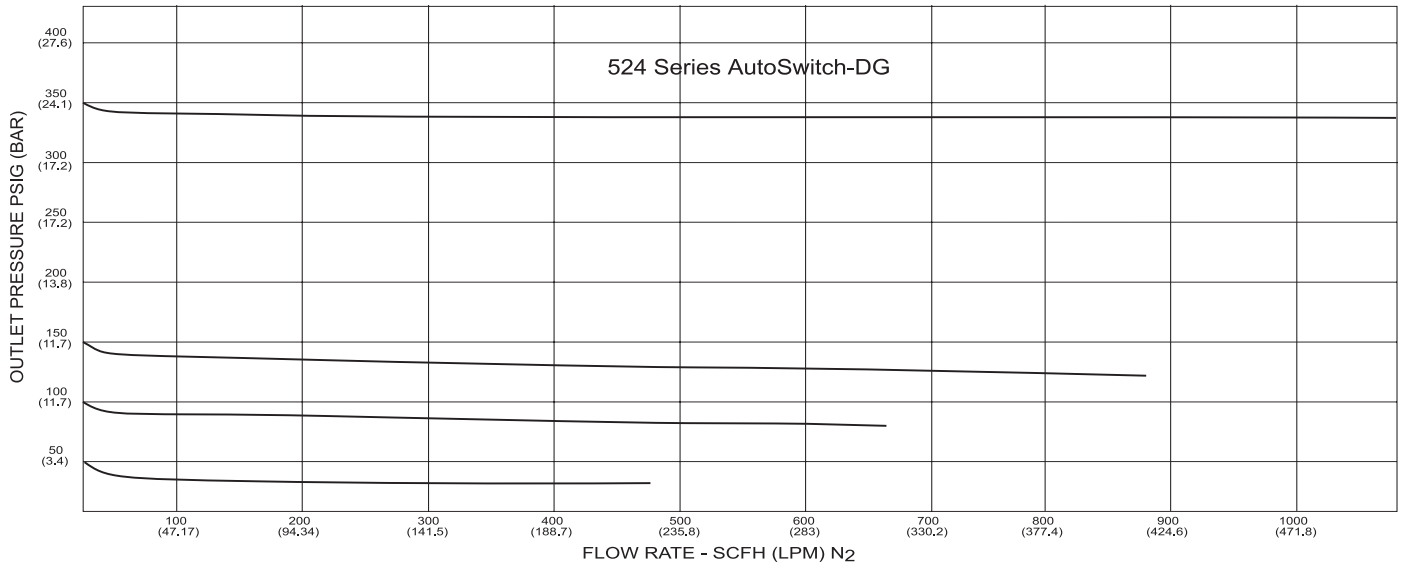
1 x 10⁻⁸ scc/sec

Weight

40 lbs. (18 kg)

See page 26 for manifold specifications

Flow Performance Curves



Ordering Information

52X-	A	B	C	D	-CON
Series 524 Brass		Inquire for Part Numbers and Availability.			
Series 524 Stainless Steel					

Related Options

Option	Order No.	Description
Slave Alarms	529-5305	Up to three additional alarms may be connected may be connected to a remote alarm
Telephone Dialer	529-5306	Alerts remote location of the need to change cylinders via telephone
Data Acquisition Package	Contact CONCOA	Hardware and software available