

BS3100 SERIES

Back-up Control Panel

Specialty Gas Equipment



▶ BS3110SL-45-DKK-00

Note: Pigtailed ordered separately. Please see page 121.

Materials

• Body	Brass or Stainless Steel
• Regulator inlet/outlet port	1/4" NPT(F)
• Cylinder inlet connection	CGA
• Inlet valve body	Stainless Steel
• Check valve body	Stainless Steel

GENTEC® BS3100 Series Generator Back-up Control Panel, a hybrid control system, has the gas generator as the primary source of gas supply and the cylinder as the reserve. The automatic changeover provides a continuous gas supply without interrupting the system during generator maintenance. When the pressure of the generator drops below a preset value, the cylinder will begin to supply gas to the system. The line regulator executes a second stage pressure reduction, providing a consistent outlet pressure and flow. This series is available in both stainless steel and brass.

Product Features

- Hybrid dual-bank gas supply and automatic changeover
- Dual-stage pressure reduction to minimize pressure and flow fluctuation
- Inlet valves allow the user to isolate either source of gas supply for maintenance
- The integrated check valve ensures system safety

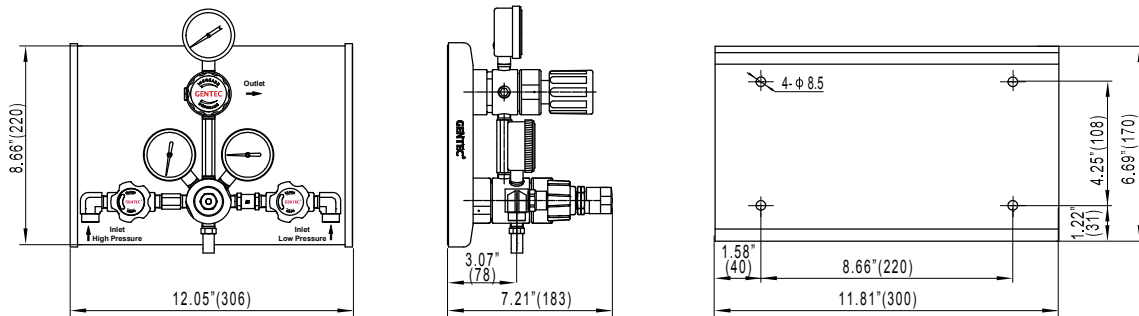
Applications

- Gas Chromatography
- Test Laboratories

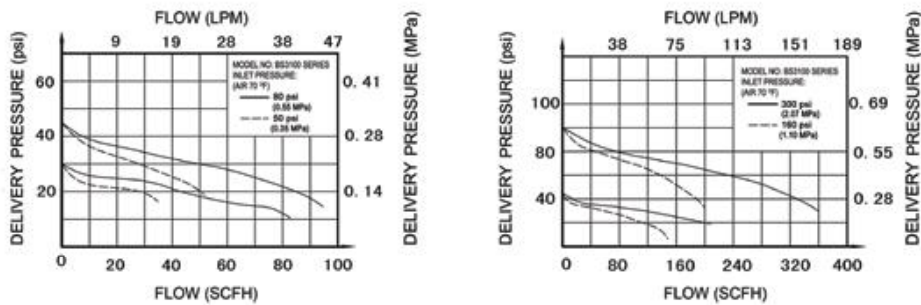
Specifications

- Maximum generator side inlet pressure: 380 psig
- Maximum cylinder side inlet pressure: 3000 psig
- Outlet pressure range: 0-45 psig
- Maximum flow: 60 SLPM
- Temperature range: -40°F~165°F (-40°C~ 74°C)
- Leakage across seat : 2×10^{-8} atm.cc/sec He
- Changeover pressure: as selected by customer(s)

Dimensions



Flow Data



Ordering Information

EX: BS31	1	0	SL -	45 -	D	K	K -	00
Series	Primary Supply Max. Pressure	Inlet / Outlet Connection	Material	Max. Outlet Pressure	Backup Cylinders Pressure	Preset Pressure	Gauge	Backup Cylinder Inlet Connection
• BS31	1: 85 psig 2: 180 psig 3: 380 psig	0: No vent valves 1: Vent valves	SL: Stainless Steel B: Brass	45: 45 psig	D: 3000 psig F: 500 psig	K: 50 psig I: 100 psig H: 150 psig	K: psig / kPa P: psig / bar	00: 1/4" NPT(F) C350: CGA350 C590: CGA590 More connections available upon request