

Miscellaneous Panels

In addition to our standard Pipe and Distribution Panels, System Studies also supplies a number of specialty panels serving a variety of central office air pressurization-related functions. These panels are described below. Unless otherwise stated, the panels are provided in 23 inch (58.4 cm) widths to fit most standard equipment racks. Additional information regarding any of these products is available by contacting System Studies directly or the System Studies Field Engineer in your area.

9800-3081-23 Panel, Instrument, 23" Width



The Central Office Instrument Panel is used with the System Studies Pipe and Distribution Panels™ to provide accurate, manual pressure and flow readings. The panel contains

the following components: a 0-30 PSI (207 kPa) pressure gauge to measure input pressure from the central office air dryer, a 0-15 PSI (103 kPa) pressure gauge to measure delivery pressure at the Distribution and Pipe Panels, a Flow Gauge™ and Flow Sampler™ to measure panel air consumption in all four flow ranges, a times-two switch that extends manual flow measurement of all Flow Finders™, and a phone jack with RJ-11 connector and two clip-on terminal posts (used for accessing device pairs via laptop or hand set).

9800-3088-23 Panel, Transducer, 5 Transducers



This 3.5" (8.9 cm) high Transducer Panel makes it possible to extend the number of High Resolution

Transducers that can be accessed from a centralized location. Two versions of the panel are available, one in a 23" (58.4 cm) width and the other in a 19" (48.3 cm) width. Both versions can be equipped with five transducers, which are pneumatically connected to Flow Finders installed at the back of existing central office panels.

9800-3089-23 Panel, Transducer, 10 Transducers



The 7" (17.8 cm) high Transducer Panel is designed to be used in the same central office applications as those de-

scribed for the 5 TD Transducer Panels (Part No. 9800-3088). This full size panel will accommodate 10 High Resolution Pressure, Flow or Dual Transducers.

9800-3096 Panel, Power Supply, 117 V AC to -48V DC



This power supply panel provides a convenient means of mounting a 289H LSS™ power source in an equipment rack near the 289H or 289H-M moni-

tor. The panel, which measures 23" (58.4 cm) wide and 7" (17.8 cm) high, can be bolted to most standard equipment racks. Mounted on the back of the panel is a 289H LSS -48V DC Power Supply (Part No. 9800-6094), which uses 117V AC input to provide an output of -48V DC at 3 amps. The 9800-3096 Power Supply Panel is also used with a P/N 9800-3196 DC to DC Converter to power our Digital Pipe and Distribution Panels.

9800-3099 Panel, Power Pipe



The Power Pipe Panel™ is a specially designed central office panel that accommodates a high capacity, 1" air pipe (Power Pipe). The panel contains a pressure

regulator to control air dryer output pressure, a 0-475 SCFH (13,450 LPH) Flow Finder and High Resolution Dual Transducer to remotely measure delivery pressure and flow rates, and a shutoff valve. Additional information and equipment pertaining to the Power Pipe System™ can be found in the catalog pages with the Power Pipe™ heading.

9800-3401 Panel, Blank, 3.5" x 23"



This 3.5" (8.9 cm) blank panel can be used to fill empty space on a 23" (58.4 cm) equipment rack and give it a more finished

look. Measuring 23" (58.4 cm) wide by 3.5" (8.9 cm) high, the panel can be easily removed to provide space for new panel equipment.

9800-3402 Panel, Blank, 7" x 23"



The 7" (17.8 cm) blank panel serves the same purpose as the 3.5" (8.9 cm) blank panel, but it is twice as high. It can be easily re-

moved to provide space for new panel equipment.

9800-3403 Panel, Blank, Reinforced, 3.5" x 23"



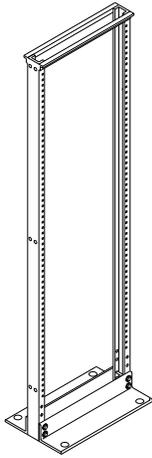
This rack assembly filler panel contains a lateral reinforcement ridge to improve the strength and

stability of a standard 23" (58.4 cm) wide equipment rack. Not only does it dress out the overall appearance of the rack (by occupying an empty space), it contains mounting holes for bolting a CO distribution manifold and spacer to the rack assembly.

ASSOCIATED EQUIPMENT

9800-3090

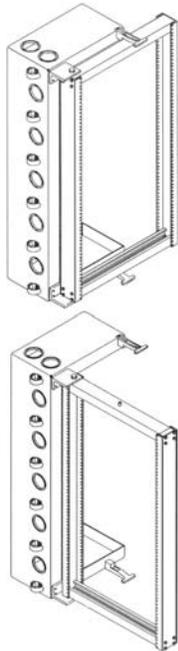
Panel, Equipment Rack, 23" x 84"



These 84" (213.4 cm) high equipment racks are available in three widths: 19" (48.3 cm), 21" (53.3 cm) and 23" (58.4 cm). The 23" wide rack is the standard rack that is used with much of the panel and 289H/H-M LSS monitoring equipment supplied by System Studies Incorporated. The other two racks provide additional equipment installation options.

9800-3496

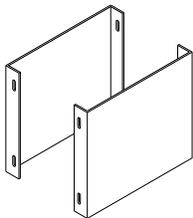
Panel, Equipment Rack, Gated Wall Mount



The gated wall mount rack measures 23" (58.4 cm) wide by 35" (88.9 cm) high by 12" (30.5 cm) deep. It is ideal for installing equipment, such as pipe and distribution panels and a 289H-M LSS, in central offices where standard equipment racks are not used due to unavailability or space limitations. The rack's gated, front assembly makes it possible to easily access the back of the mounted equipment, which otherwise would be inaccessible.

6510-0104

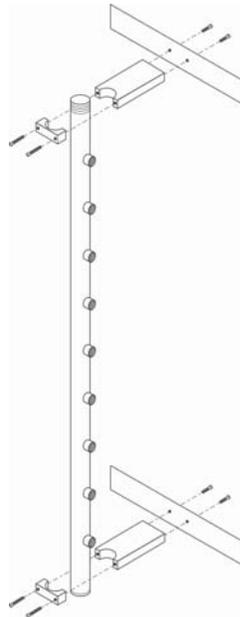
Panel, Equipment Rack, Wall Bracket



This bracket assembly is designed for central office panel installations when there is no room available for a standard equipment rack. Each bracket section measures seven inches high by eight inches wide and has two one-inch mounting flanges that run the full height of the bracket. Two 1/2-inch slotted mounting holes are centered five inches apart on each mounting flange. Bracket material is C.R.S. 12 gauge with a hippo gray finish. Two brackets required for each installation.

9900-0018

Panel, Miscellaneous, 9-Port Manifold Kit



This 9-Port Manifold Kit is supplied as a retrofit for existing equipment racks that use weak Schedule 40 (white) PVC rack manifolds. It is supplied with a stainless steel manifold, required connectors, plugs, bushing, etc. Manifold length is 72 in (183 cm); internal diameter is 2 in (5.08 cm).

Includes:

- 1) 6541-0017 (Qty 2) stand-off brackets
- 2) 6725-3680 (Qty 4) bracket-to-manifold screws
- 3) 6725-2435 (Qty 4) bracket-to-reinforcement panel screws

* Requires purchase of two (2) 9800-3403 panels.

6538-0005

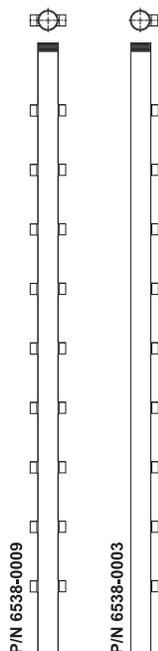
Panel, Miscellaneous, 3 Port (Short) C.O. Manifold



This smaller version of the central office manifold is used with half rack assemblies or in full sized assemblies when three or less panels need to be supplied with air feed from the dryer(s). The short manifold measures 30 in (76.2 cm) in length and has a 2 in (5.08 cm) NPT male thread on one end to accept the desired pneumatic connection fitting from the C.O. air dryer. Three 3/4 in (1.91 cm) female NPT connectors are provided for the pneumatic connections to the panels. Manifold is constructed of 3D4 stainless steel.

6538-0003
6538-0009

Panel, Miscellaneous, 9-Port C.O. Manifold
Panel, Miscellaneous, 18-Port C.O. Manifold



These Central Office Manifolds are constructed of high-grade 3D4 stainless steel. They measure 72 inches (183 cm) in length, and they have an internal diameter of 2 inches (5.08 cm). The individual ports for the pneumatic connections to the panels are 3/4 inch NPT-F and can be coupled with the necessary adapters to accommodate the desired pneumatic tubing type and size. Located on one end of the rack manifold is a 2-inch NPT-M thread to accept a bell housing.

6550-0004

Miscellaneous Products, 0-30 PSI Air Pressure Regulator



This high quality, non-relieving 0-30 psi pressure regulator is a key component on all of System Studies' Pipe Panels and Distribution Panels, both digital and non-digital. It is also used on the Emergency Air Delivery Access (EADA) Cabinet and other air delivery products supplied by System Studies Incorporated.

The product offers high accuracy and fine adjustment sensibility for maintaining the desired air delivery pressure. Its rugged construction incorporates a cast aluminum housing which is finished with black vinyl paint to resist scratches, weathering and potential damage from challenging environmental conditions. The use of quality materials, inside and out, ensure trouble-free, precision operation. Input and output ports are 1/4" NPT-Female.

9080-1404

Panel, Rack Manifold, Bell Housing Assembly



The bell housing used with the stainless steel C.O. Manifolds accommodates the incoming air feed from the air dryer(s) and provides a pneumatic seal for the threaded top end of the vertically mounted manifold. It includes a bell reducer, bushing and 1-inch Nylobraid tubing connector fitting. One bell housing assembly is required for each Part No. 6538-0003 and 6538-0009 manifold.

6990-0027

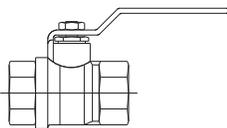
Panel, Rack Manifold, Mounting Bracket



This mounting bracket is used to secure the Part No. 6538-0003 and 6538-0009 2 inch stainless steel manifolds to the central office equipment rack or other mounting surface. A minimum of two brackets is required for each manifold installation.

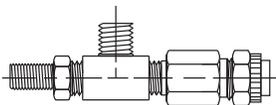
6240-0121

Ball Valve, 3/4" NPT-F T-knob



9800-0142

Fitting, Splice Case Check Valve Assembly



This kit includes the hardware components required for connecting a length of 3/8" pressure tubing from an air pipe manifold to a splice case. It includes a branch tee with a 1/8"

NPT-M, a tank valve fitting, a check valve and a 3/8" tube connector. The check valve prevents air from bleeding out of the splice case if the pressure tubing becomes dislodged.

9800-5432

Panel, Miscellaneous, Balance Manifold



This 20-inch long, six-inch diameter air dryer balance manifold has three inlet and three outlet shutoff valves, two of which are plugged, and a 0-30 PSIG pressure gauge. It is designed to assist in accurately balancing the pressure of two or more air dryers.

9800-5422

Panel, Miscellaneous, Mini CO Manifold

9800-5429

Panel, Miscellaneous, Mini CO Manifold



A smaller option to the 9800-5432 Balance Manifold, the 9-inch wide, 2-inch diameter air dryer balance manifold has two plugged 3/4" end inlets and four downward facing ports with shutoff valves. Also included is a large-face 0-30 psi pressure gauge and a standard tank valve. The Mini CO Manifold has two optional specifications for the four downward facing ports.



9800-5422 Includes 3 downward facing 1/4" NPT-F ports and one pressure regulator with 3/8" tubing connector.

9800-5429 Includes 4 downward facing 1/4" NPT-F ports.

The words Flow Finders™, Flow Gauge Sampler™, Flow Gauge™, Return Pipe Panels™, Positive Air Flow System™, High Resolution Pressure Flow and Dual Transducers™, Transducer Gauge Panel™, 289H LSS™, Power Pipe™, Power Pipe Panel™, Power Return Panel™, and Power Pipe System™ are trademarks of System Studies Incorporated.

PANEL SPECIFICATIONS

Material	Cold Rolled Steel, 12 gauge
Dimensions	Standard: 23 in (58.4 cm) x either 7 in (17.8 cm) or 3.5 in (8.9 cm). Some models available in 13 in (33 cm) and 15 in (38.1 cm) widths.
Mounting Slots	Most 7 in (17.8 cm) high panels are supplied with 8 slots: 4 on each side. Top slots are 1 in (2.5 cm) apart; bottom slots are 0.5 in (1.3 cm) apart

