

HIGH PURITY SEMI-AUTOMATIC CHANGEOVER MANIFOLD Series 914

DESCRIPTION

The Series 914 semi-automatic changeover manifold is another solution for providing an uninterrupted supply of gas to your instrumentation or process. It incorporates a specially machined two-regulator in one body that simplifies changeover operation and reduces the wall space required. The feed and line regulators are of high purity construction with stainless diaphragms and diffusion resistant construction capable of passing a helium leak rate test of 1×10^{-9} .

Available in both brass and 316SS construction, the 914 Series is provided complete with changeover regulator and line regulator installed on a mounting bracket for easy installation.

Pigtails and/or manifold sections are ordered separately.

The manifold is assembled using the 914 central control section shown on this page and two manifold sections from pages 48 and 49 or a pigtail set from the list below to provide the supply banks. A simple two station semi-automatic manifold commonly used to ensure a continuous supply of carrier gas to a gas chromatograph employs a central control section with a pigtail installed on both inlets.

SPECIFICATIONS

| | |
|------------------------|------------------------------|
| Max. inlet pressure | 3000 psig |
| Inlet and Outlet ports | 1/4" NPT female* |
| C_v | 0.08 standard (0.2 optional) |
| Operating temperature | -40° to +165°F |
| Weight | 7.75 lbs. |

* When unit is ordered with accompanying pigtails the inlet connections will be the mating CGA connection of the pigtail.



HOW TO ORDER

| Model** | Description |
|--|---|
| Brass Central Control Section (header only - no pigtails) | |
| 914-1-025 | line regulator delivery range 0-25 psig |
| 914-1-050 | line regulator delivery range 0-50 psig |
| 914-1-100 | line regulator delivery range 0-100 psig |
| 914-1-150 | line regulator delivery range 0-150 psig |
| Stainless Steel Central Control Section (header only - no pigtails) | |
| 914-2-025 | line regulator delivery range 0-25 psig |
| 914-2-050 | line regulator delivery range 0-50 psig |
| 914-2-100 | line regulator delivery range 0-100 psig |
| 914-2-150 | line regulator delivery range 0-150 psig |
| Optional Accessories | |
| 914-3B | Brass pressure switches (one each side) |
| 914-3BEX | Brass pressure switches for flammable gases (one each side) |
| 914-3S | Stainless Steel pressure switches (one each side) |
| 914-3SEX | Stainless Steel pressure switches for flammable gases (one each side) |
| 914-AVA | Audio/visual alarm system |

**Add "HF" to base part number for high flow unit

Pigtails Sets for Brass Changeover Manifolds (2 per set)

| | |
|----------------------|---|
| 914-FP601-Y-CGA* | two flexible Teflon-lined stainless steel braided pigtails with brass fittings and no check valve |
| 914-FP601-Y-CV-CGA* | two flexible Teflon-lined stainless steel braided pigtails with brass fittings and check valve |
| 914-FPB604-Y-CGA* | two flexible all stainless steel braided pigtails with brass fittings and no check valve |
| 914-FPB604-Y-CV-CGA* | two flexible all stainless steel braided pigtails with brass fittings and check valve |

Pigtails Sets for Stainless Steel Changeover Manifolds (2 per set)

| | |
|---------------------|---|
| 914-FP604-Y-CGA* | two flexible all stainless steel braided pigtails without check valve |
| 914-FP604-Y-CV-CGA* | two flexible all stainless steel braided pigtails with check valve |

*Specify CGA connection when ordering.

Y = pigtail length in feet.



914 AVA