

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