

Airgas WeldPur Series Gas Welding Purifiers

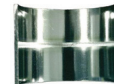
Airgas WeldPur gas purifiers are designed to provide the high-quality purified purge and shielding gases for use in high-purity welding applications. These purifiers are ideal for semiconductor, LED, pharmaceutical, and medical applications requiring the highest levels of gas purity in welding processes. Bad welds caused by impure gases compromise the overall cleanliness of the process, effecting product yield.

Constructed using 316L electro-polished stainless steel with standard 0.1µm filtration, Airgas WeldPur purifiers deliver an ultra-high purity grade of gas by removing moisture, oxygen, and hydrocarbons to sub ppb levels.

Specifications	
Gases for purification	Argon, Helium, Neon, Krypton, Xenon and Nitrogen
Outlet purity	Impurities removed to <1ppb CO, CO ₂ , H ₂ , H ₂ O, O ₂ and NMHC
Flows	Accommodate flows up to 150 slpm (max)
Maximum operating pressure	250 psig
Inlet/Outlet Connections	¼" MVCR
Internal Surface Finish	Less than 10 ra
Life	Factory regenerable for up to 10 year life

Welding Purge Gas Purifiers

GAS PURIFIER



Design Features

- Enhances weld quality, strength and appearance
- Reduces weld porosity and oxidation
- Factory Regeneration for lower cost of ownership
- Ambient Temperature Operation
- 316L Stainless Steel construction for ultimate outlet purity
- Available with inlet isolation valve for easy installation
- Suitable for single or multiple weld heads
- Suitable for use with weld gas mixtures (Consult your local Airgas sales office)
- Leak checked 2x10⁻⁹ atm cc/sec
- Shipped Activated ready for use
- Available options mounting plate, manual isolation and bypass valves

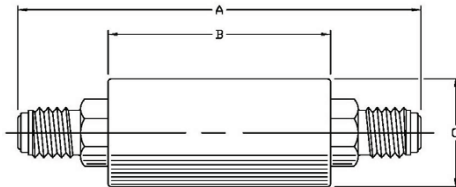
Ordering Information

Product Number	Flows (150 psig)	Inlet/Outlet Connections
Y40-01KC (*Gas)	Nominal: 10 slpm Max: 150 slpm	¼" MVCR
Y40-975C (*Gas)**		¼" MVCR

(*) designates gas
Ar = Argon
He = Helium
N₂ = Nitrogen
Kr = Krypton
Xe = Xenon
Ne = Neon

(Nominal flow offers one year life based on inlet gas purity of 99.9995% and 24 hours operation)

**Equivalent to the Entegris® Model 500 and SAES® Facilitorr® FT400



MODEL	A in (mm)	B in (mm)	C in (mm)	Nominal Flow Rate	Max Flow Rate
Y40-01KC	8.8"(224)	7.0"(178)	2"(51)	10 slpm	150 slpm
Y40-975C	7.94"(202)	5.7"(145)	3.0"(76)	7.0 slpm	100 slpm

For additional flow rates and options please call 1 – 800-939-5711

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.