

Saturn™ Series Point-of-Use UHP Gas Purifier Systems



FEATURES

- ◆ Wall Mounted Cabinet - easy installation
- ◆ Easy on-site replacement of purifier vessel
- ◆ Manual or Air Operated inlet/outlet valves
- ◆ Bypass valving for uninterrupted operation
- ◆ Full electronics with alarm/auto shut-down
- ◆ Sub-ppb removal of impurities from Noble Gases, Nitrogen, and Hydrogen (See PF Series Data sheet for full listing)
- ◆ Optional in-line 0.003µm Particle Filter
- ◆ Optional 316L stainless steel (< 10Ra) electro-polished wetted surface finish (XL and PF)
- ◆ Orbitally Welded Construction
- ◆ Helium Leak Test to 1×10^{-9} scc/sec
- ◆ Class 10 clean room assembly (XL and PF)

The Saturn is part of a comprehensive range of Purifier products available from NuPure Corporation.

The Saturn is designed as a compact, wall mounted purifier system, and incorporates all electronics, temperature controls, valving, alarms and built-in safety features. Available with an *end of life indicator*, the Saturn insures a reliable continuous supply of UHP gas.

The Saturn Series can accommodate the NuPure models 40 through 2000 heated getter purifiers, offering a standard flow range of 0 - 100 slpm in the PF series and 0 - 150 slpm in the standard or XL series. The Saturn **Hi-Flow** Wall-Mount Purifiers can accommodate models 2000 through 5000, with flows up to 300 slpm.

APPLICATIONS

- ◆ Semiconductor Process Gas
- ◆ UHP Purge Gas
- ◆ Analytical Industry
- ◆ Gas Bottle Filling Plants

High pressure purifiers (3000 psig) can be incorporated within the Saturn series, which are ideal for gas bottle filling plants and other similar high pressure applications.