



**The new generation pressure control panels
and gas cabinets
for ultra high purity gases and gas mixtures**



Spectropur Pressure Control Panels and Gas Cabinets for UHP gases

Spectron has more than 25 years of experience in designing and manufacturing panels for Ultra High Purity gases and hazardous gases. The new generation of Spectropur pressure control panels is designed to offer users of those gases a professional, safe and convenient working environment.

At Spectron we follow the philosophy that the lay-out of pressure control panels should be as transparent and clear as possible. All components and tubes are surface mounted, which enables easy frequent function- and leak-testing.

Looking at the gas properties, UHP and hazardous gases can be divided in several groups such as inert, flammable, oxidizing, toxic, corrosive, reactive or pyrophoric.

For all these different gases and gas groups, Spectron offers customized pressure control panels with many different options, varying from a rather simple, manually operated control panel up to fully automatic change-over systems with redundancy and excellent safety features.

Completing the product range for our customers, Spectron also offers gas cabinets and controllers. Our controllers provide alarms, emergency shut-off, auto-change-over functions, automatic purging, trend analysis and much more. Furthermore, Spectron can supply complete systems including features as cylinder and trace heating, COAX fitting, electronic cylinder scales, gas sensors as well as scrubbers.

Spectropur Pressure Control Panels

Manufacturing and designing the major components of a panel, such as pressure regulators, valves and purge blocks on our own, we can provide a variety of standard solutions and in addition accomplish your specific needs with unique arrangements according your individual demands.

Spectron runs an in-house orbital welding facility, Helium leak test devices and a clean-room ISO class 5.0, allowing the completion and test of pressure control panels, valve manifolds, tapping points and specific solutions in the best possible time and maintaining a high quality standard.

The new Spectropur Pressure Control Panels product range contains 3 basic panel configurations:

SP3

Pressure control panel with 3 valves
in basic configuration for
“process gas (self-) purging”.

This version is mainly to be used for inert,
non-hazardous process gases or
as a purge gas panel in combination to a
process gas panel.



SP3-SR

SP4

Pressure control panel with 4 valves
in basic configuration for
“inert gas purging”,
mainly for flammable gases.

If the risk assessment of the plant operator does not
require purging through the entire panel or already has
technical devices for that operation, then you can use it
also for toxic or corrosive gases.



SP4-SR

SP6

Pressure control panel with 6 valves
in basic configuration for
“inert gas purging” through the entire panel
down to the point of use or
just sections of the system.

This is especially designed for toxic, corrosive, reactive
and pyrophoric gases and their mixtures.

The basic SP6 panel meets the requirements of the
SEMI specification.



SP6-SBE

All basic panels provide functions for safe and convenient working with UHP and electronic grade gases.
They can be supplied with many options for alarms and semi- or fully-automatic processing.
Solutions for ATEX requirements are available.

In addition the table “SPX” provides the recommended panel type for each gas.

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