

Automatic change-over switching station for high purity gases

Automatic change-over switching station for gases with purity up to 6.0. The change-over switching station consists in the standard version of two high pressure shut-off valves with integral purging outlets, two high pressure regulators affiliated with each other with cylinder pressure gauges as well as integral safety valve and working pressure gauge.

The system operates on the basis of the differential pressure (approx. 2 bar). With the change-over lever the side in operation is selected. If the cylinder pressure drops below the adjusted pipeline pressure, the pipeline is fed from the other side through the differential pressure. By operating the change-over lever, the system is reset to its normal status and the differential pressure is removed. The pipeline pressure can be adjusted between 3 and 10 bar.

As option the automatic change-over switching station can also be equipped with an external alarm. The alarm is effected with two contact gauges on the high pressure side with connection to a signal box. This version must be ordered by the addition of 2KM and the signal box / empty indication under Art.79842-2.

All parts fixed on an aluminium baseplate with specific gas identification and with notes for correct operation.

Art. 7860



Inlet pressure	: 200 bar
Outlet pressure	: 3 - 10 bar
Flow rate	: 16 Nm ³ /h (at 10 bar) back pressure increase : 0.1 bar (at p ₂ =10 bar)
Gases	: all pure gases and gas mixtures with exception of corrosive gases
Inlet	: non combustible gases 3/4" R, combustible gases 3/4" L
Outlet	: vertically upward, G 1/4" female
Material	: body brass, outer parts chrome-plated diaphragm : stainless steel with O-ring sealing sealing material : polyamide (PA 6), flat seal
Operating temperature	: - 20°C to +60°C
Leaking rate helium	: < 1 * 10 E-8 mbar * l * s ⁻¹
Weight	: 6.2 kg