

Radon Reduction System

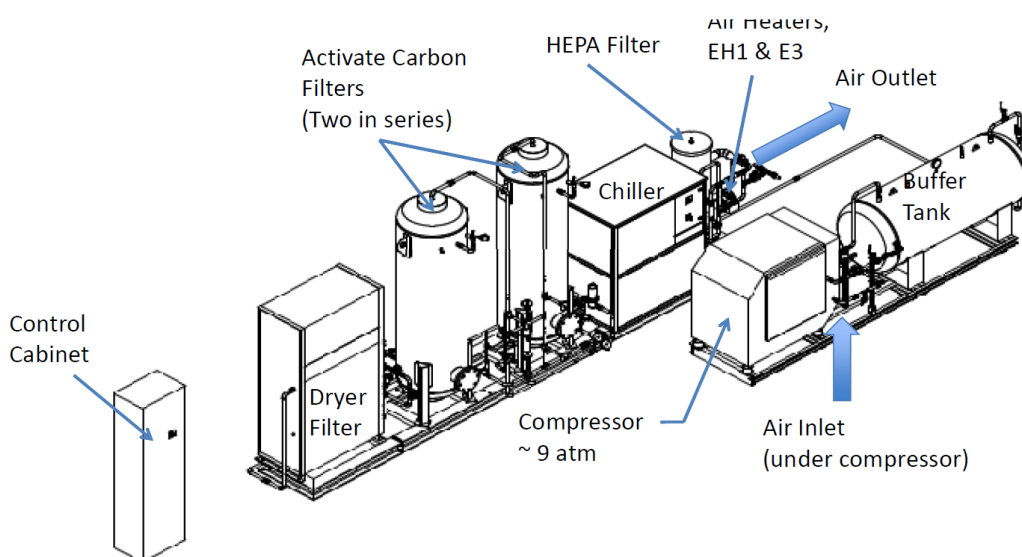
Technological description

Complete technological equipment for radon reducing from ambient air. The process is based on adsorption of radon from compressed and dried air.

The equipment consists of next individual parts connected by pipes:

- Compressor
- Drying unit
- Cooling unit
- Low temperature adsorption unit
- Heater
- HEPA filter
- Accessories

Basic technological scheme



Basic Information:

Air flow	20 - 300 m ³ /h
Input radon concentration	20 - 100 bq/m ³
Reduction of radon concentration	100 - 1000
Output air humidity	-70°C

References:

LSC, Spain	Radon Reduction System LSC 220 m ³ /h	2015
Center for Underground Physics, Korea	Radon Reduction System Yangyang 120 m ³ /h	2015
ČVUT Prague	Radon Reduction System Prague 20 m ³ /h	2013
University of Princeton	Radon Reduction System Gran Sasso 220 m ³ /h	2012
Lawrence Berkeley National Lab.	Radon Reduction System Gran Sasso 150 m ³ /h	2011
LAL, Universite Paris, France	Radon Reduction System Modane 150 m ³ /h	2004

LSC, Canfranc-Estacion, Spain



LNGS, Gran Sasso, Italy

