

DATASHEET	Pages : 02 Reference : 010038G
DEHYDRATOR CONSTANT PRESSURE	Date of application : 25/07/2017

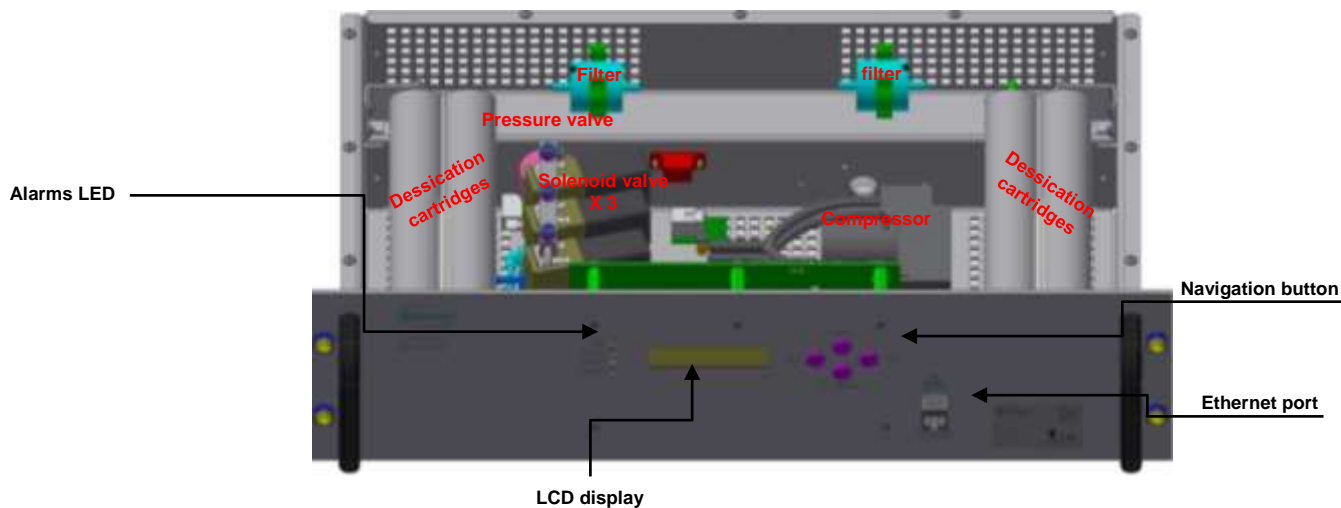


❖ **General description :**

To preserve moisture HF transmission line (waveguide, coaxial ventilated, antennas etc ...) supplied with high power transmitters (several kW), it is necessary to pressurize and to dehydrate these lines in order to avoid the ionization of water molecules and avoid electric arc phenomena that are likely to destroy the transmission line or even cause a fire.


✚ Pneumatics characteristics			
Descriptif	Model All or nothing	Model At constant pressure	Values
Dew point temperature	All reference		Reduced by -40 °C for an ambient temperature of 20°C and 95 % relative humidity Dew point ambient point 19,5°C obtained dew point 19,5°-40°C = - 20,5°C
Pressure control	Piezo resistive pressure sensor		
Protection against over pressure	SEL000174	SEL000113	Safety valve opening at 50 hPa ±25 hPa for compressor flow
	SEL000176	SEL000170	
	SEL000177	SEL000171	Safety valve opening at 160 hPa ± 40 hPa for compressor flow
	SEL000178	SEL000172	
SEL000175	SEL000112		
	SEL000180	SEL000181	
	SEL000179	SEL000173	Safety valve opening at 500 hPa ± 50 hPa for compressor flow
Drying medium	Molecular sieve filter		
Regeneration :	Heating and sweeping with dry air		

✚ Technical characteristics			
Descriptif	Model All or nothing	Model At constant pressure	Values
Mains voltage	SEL000177	SEL000171	230V 50/60Hz
	SEL000175	SEL000112	
	SEL000179	SEL000173	
	SEL000178	SEL000172	
	SEL000174	SEL000113	
	SEL000180	SEL000181	
	SEL000176	SEL000170	115V 50/60Hz
Protection		All reference	Fuse type F 5x20 2 A
Consumption	Filling	All reference	20 W
	Heating	All reference	220 W
	Filling and heating	All reference	230 W
Switching alarm circuits		60V max 1 A	
Air flow	SEL000175	SEL000112	300l/h max (at the specified pressure *)
	SEL000174	SEL000113	260 l/h max (at the specified pressure *)
	SEL000177	SEL000171	280 l/h max (at the specified pressure *)
	SEL000178 SEL000176	SEL000172 SEL000170	280 l/h max (at the specified pressure *)
Alarm pressure	SEL000175	SEL000112	10 hPa ± 3 hPa
	SEL000178	SEL000172	
	SEL000174	SEL000113	
	SEL000176	SEL000170	
	SEL000177	SEL000171	15 hPa ± 5 hPa
Low pressure	SEL000175	SEL000112	20 hPa ± 5 hPa
	SEL000174	SEL000113	
	SEL000176	SEL000170	
	SEL000718	SEL000172	
	SEL000177	SEL000171	40 hPa ± 5 hPa
SEL000179	SEL000173	200 hPa ± 20 hPa	
High pressure	SEL000175	SEL000112	40 hPa ± 3 hPa
	SEL000174	SEL000113	60 hPa ± 5 hPa
	SEL000176	SEL000170	
	SEL000178	SEL000172	80 hPa ± 5 hPa
	SEL000177	SEL000171	300 hPa ± 30 hPa
SEL000179	SEL000173		



🚦 Interface	
Display	Backlit LCD 2 lines - 16 characters
	Hour meter / Pressure / alarms / Access to configuration menus On / off function Humidity level
Ethernet port	1
Monitoring	WEB interface SNMP V2 agent*
Alarms	Dry loops (x3) NC or NO (Default Pressure / Heating / Humidity)
🚦 Environment	
Storage	-20°C/+70°C
Operation specs guaranteed	-0°C/+40°C
Operation specs without guaranteed	.-10°C/+50°C
Max humidity	95% RH to 20°C
Dry air output	Fluted tip for hose Ø 8 mm
MTBF	5 000 h

* Coming soon

🚦 Mechanical characteristics		
Rack 3U	L483 mm H132.5 mm P230 mm	
	Weight : 5 Kg	