SF6 RECOVERY AND PURIFICATION
Sulfur Hexafluoride (SF6) is an excellent gaseous dielectric for high voltage power applications. It has been used extensively in high voltage circuit breakers and other switchgear employed by the power industry. Applications for SF6 include gas insulated transmission lines and gas insulated power distribution substations. The combined electrical, physical, chemical and thermal properties offer many advantages when used in power switchgear. Some of the outstanding properties of SF6 which make its use in power applications desirable are:

- High dielectric strength
- Unique arc-quenching ability
- Excellent thermal stability
- Good thermal conductivity

Sulfur Hexafluoride is considered to be a fully fluorinated compound (FFC). Since FFC’s have atmospheric lifetimes of up to 50,000 years, these potent greenhouse gases could contribute significantly and, essentially, permanently to global warming if emissions continue to grow. SF6 is also very expensive.

Due to the above reasons, SF6 is used mostly in applications that allow reclamation as opposed to using it on equipment that requires release of the gas, only to be re-filled with virgin SF6. Regenesys produces a complete line of SF6 recovery equipment.

**FEATURES**

- Removal of moisture to less than 10 PPM
- Removal of particulate to less than 0.1μ
- Equipment vacuum to below 1 Torr
- Recover minimum 98% with HR unit
- Mobile or stationary
- Onboard or external storage of liquefied SF6
- Oil-free compressors
### Standard Model vs. HR Model

<table>
<thead>
<tr>
<th>Standard Model</th>
<th>HR Model</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUR-40</td>
<td>PUR-40 HR</td>
<td>40 lb</td>
</tr>
<tr>
<td>PUR-100</td>
<td>PUR-100 HR</td>
<td>100 lb</td>
</tr>
<tr>
<td>PUR-200</td>
<td>PUR-200 HR</td>
<td>200 lb</td>
</tr>
<tr>
<td>PUR-300</td>
<td>PUR-300 HR</td>
<td>300 lb</td>
</tr>
<tr>
<td>PUR-1000</td>
<td>PUR-1000 HR</td>
<td>1000 lb</td>
</tr>
<tr>
<td>PUR-2000</td>
<td>PUR-2000 HR</td>
<td>2000 lb</td>
</tr>
</tbody>
</table>

### Mobility Options:
- Skid Mounted
- Trailer Mounted
- Castors
- Hand Cart

### Voltages
- 120V, 50/60Hz, 1-Phase
- 220V, 50/60Hz, 1-Phase
- 380V, 50/60Hz, 3-Phase
- 460V, 50/60Hz, 3-Phase

### Also Available:
- SF6 Evacuation and Refill Units
- SF6 Gas Storage Tanks
- Stand Alone Filters
- SF6 Gas Analyzers and Accessories
Mobile ON-SITE Services - Machine Rentals

DEGASIFIERS, PCB - DECONTAMINATION UNITS, TRANSFER PUMPING UNITS.
TRANSFORMER OIL REGENERATION UNITS
SF-6 Gas Purification Units of any size.

We also provide:

• Panel Design/Build
• Electrical Design of Processing Equipment
• PLC Programming, A/B, Siemens, ABB and Omron
• HMI (Human Machine Interface) Programming
• Troubleshooting and Repairs to your Regeneration Units and Reactivation Units
• Instrumentation Verification
• Rebuilding and Servicing of Vacuum Systems
• Upgrades to the fore mentioned Units
• Parts Sales
• Remote Access Systems
• Solar Upgrade Systems for Control Systems
WORLD CLASS EQUIPMENT & SERVICES FOR YOUR CONTAMINATED LUBRICANTS

CONTACT US

1365 Bonhill Road
Mississauga, Ontario, Canada,
L5T 1M1
1-905-564-0044 Phone
1-905-564-6061 Fax