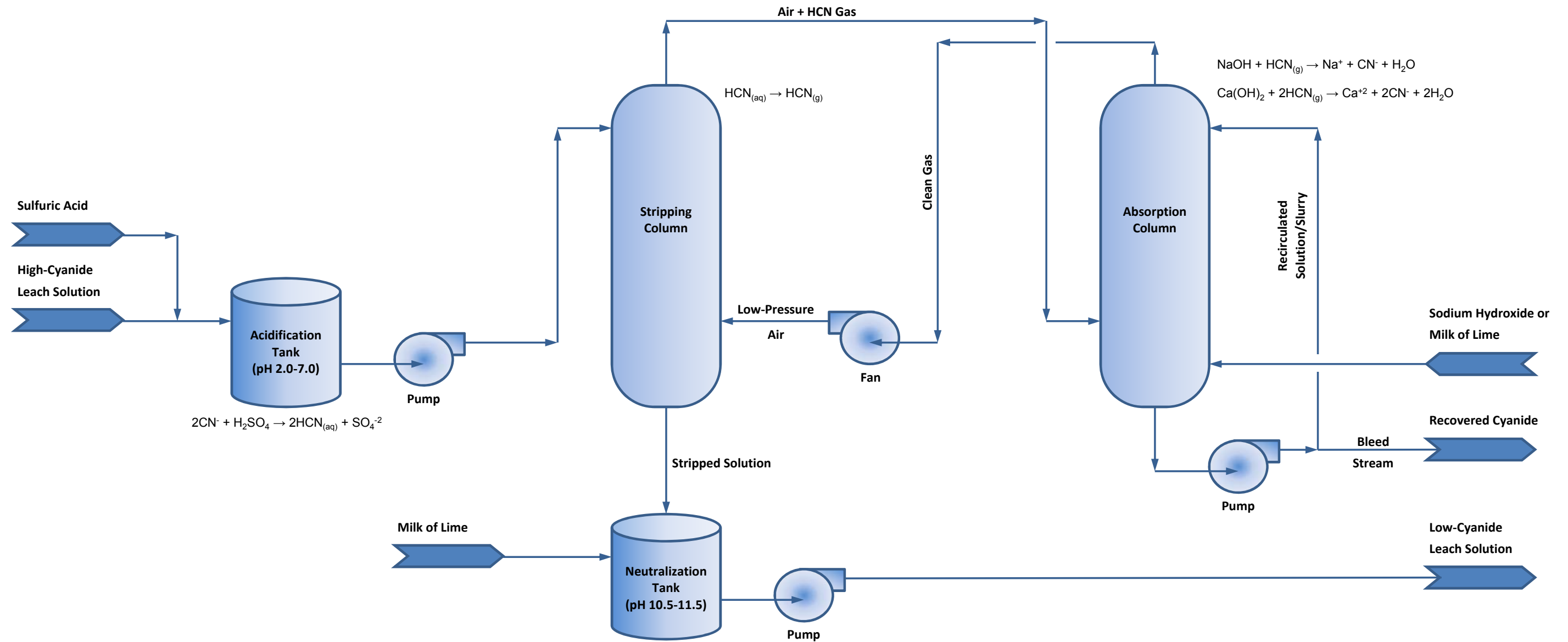


The

AVR

Acidification
Volatilization
Reabsorption

CYANIDE RECOVERY PROCESS



| Reagent | Used For |
|---|-----------------------------------|
| Sulfuric Acid (H ₂ SO ₄) | Acidification |
| Milk of Lime (Ca(OH) ₂) | Neutralization and HCN Absorption |
| Sodium Hydroxide (NaOH) | HCN Absorption |

Notes:

1. Tanks/columns containing acid solution are covered and ventilated to the absorption column.
2. Hydrogen cyanide dissolved in aqueous solution is designated as HCN_(aq).
3. Pregnant or barren leach solution can be treated by AVR.
4. Sodium hydroxide or milk of lime can be used in the absorption column.
5. A small bleed fan & stack is used to maintain the entire system under slight vacuum.