



# Vacuum Pump Selector Guide

## Step 1 | Vertical Scale

Locate the desired vacuum level in inches of mercury along the Y axis.

*1 Torr = 1mm mercury absolute pressure*

## Step 2 | Horizontal Scale

Calculate and locate the required capacity in CFM or m<sup>3</sup>h along the X axis based on system volume, pump down time, gas load, and leakage.

## Step 3 | Intersection

The box where the two lines intersect contains the possible pumps for selected pressure and capacity.

### Selector Guide Example

*Please consult your Kinney sales representative for final product selection.*

For 50 CFM and 80 Torr the selector guide indicates that KD, KDH, KVA, KLRC, KDP, and SDV pumps should be considered.

**TO CONVERT INCHES OF MERCURY VACUUM TO TORR:**  
 Torr = (30 - inches of vacuum) x 25.4 at sea level  
 e.g., 20 inches Hg = (30-20) x 25.4 = 254 Torr