

LCLS Vacuum Naming Convention

Naming Conventions for Vacuum Devices

Base Device Type

First, lets consider the base *DeviceType* values without the detail suffix.

The following table lists vacuum **Compound** *DeviceTypes*:

Value	Device Type	SLC Aware	Controllable
VGBA	Vacuum Gauge Baratron	N	N
VGKL	Vacuum Gauge associated with a Klystron	N	N
VGPR	Vacuum Pirani Gauge	N	N
VGCC	Vacuum Cold Cathode Gauge	N	Y
VGTC	Vacuum ThermoCouple Gauge	N	N
VGCP	Vacuum Convection-enhanced Pirani Gauge	N	N
VGHF	Vacuum Hot Filament Gauge	N	Y
VGOS	Vacuum Overpressure Switch	N	N
VVKL	Vacuum Valve associated with a Klystron	N	Y
VVPG	Vacuum Pneumatic Gate Valve	N	Y
VVMG	Vacuum Manual Gate Valve	N	N
VVPR	Vacuum Pneumatic Roughing Valve	N	Y
VVMR	Vacuum Manual Roughing Valve	N	N
VVPF	Vacuum Pneumatic Fore Valve	N	Y
VVMF	Vacuum Manual Fore Valve	N	N
VVPV	Vacuum Pneumatic Vent Valve	N	Y
VVMV	Vacuum Manual Vent Valve	N	N
VVFS	Vacuum Fast (Shutter) Valve	N	Y
VVFL	Vacuum (Mass) Flow Valve	N	Y
VPKL	Vacuum Pump associated with a Klystron	N	Y
VPCR	CRyo Pump	N	Y
VPIO	IOIon Pump	N	Y
VPTM	TurboMolecular Pump	N	Y
VPTS	Ti Sublimation Pump	N	Y
VPFO	Fore Pump	N	Y
VPRO	Roughing Pump	N	Y

The following table lists vacuum gauge *Attributes*:

Value	Description
P	Pressure
PSTAT	Status of pressure relay
PSTATSPRBCK	Readback of trip point of pressure relay
PSTATSPDES	Set the trip point of the pressure relay
PSTATEN	Enable the pressure relay
PSTATENRBC K	Status of pressure relay enable