

LOSS OF AIR SAFETY:

The system has been equipped with two loss of air safeties. These are outlined below.

A. The main lifting cylinder has a blocking valve threaded into the lower port. This valve will trap the air in the cylinder in the event that main air pressure is lost or disrupted. The arm will not fall.

B. The vacuum generator has a built-in safety check. Should main air be lost or disrupted, this check will maintain vacuum for a short duration of time so that any lost load is not immediate.

SET DOWN SAFETY: Each system has a set down safety that assures that the load cannot be released until it is resting on a supportive surface. This safety is located in the logic box and consists of a valve and regulator arrangement. The regulator is adjusted to sense the weight of the lightest payload. Once air pressure from the cylinder is reduced below the amount required to lift the lightest load, the valve will open, sending pilot air to the vacuum release button, allowing this button to operate

HAND CONTROLS:

A. The right hand handle has a red and green thumb button for lift and lower. These buttons are throttle controlled and speed is regulated through the thumb pressure applied.

B. The left hand handle controls the end tool functions. Three of the tools are equipped with 2-button handles for vacuum on/off. The fourth tool has a 3-button handle that controls vacuum on/off and 180 degree rotate. All functions are labeled.

VACUUM BLOW OFF CIRCUIT: The vacuum circuit has a blow mechanism that aids in the release of a solid surface load. The vacuum release button must be depressed and held to reverse air flow through the cups and release the part via blow off

VISUAL VACUUM GAUGE: Mounted on the end tooling. The safe vacuum level is 25 Degrees mercury or higher.