

WAC 296-806-45516 Make sure presence-sensing devices used to safeguard the point of operation meet these requirements. (1) You must make sure the presence-sensing device is interlocked into the control circuit to prevent or stop slide motion if the operator's hand or other body part is within the sensing field of the device during the downstroke of the press slide.

(2) You must make sure muting of the device is done only during the upstroke of the press slide.

(3) You must make sure failure of **any** component of the device:

(a) Does not prevent normal stopping action of the press.

(b) Prevents initiation of another cycle (stroke) until corrected.

(c) Is indicated by the system.

(4) You must use guards to protect all areas of entry to the point of operation not protected by the presence-sensing device.

(5) You must make sure the sensing field of the device is located farther from the point of operation than the minimum safety distance as determined by the following formula:

$$D = 63 \times T$$

Where:

D = minimum safety distance (in inches)

T = stopping time of the press measured at approximately the 90 degree position of crankshaft rotation (in seconds)

Example: The number in the formula represents the hand speed of the operator (sixty-three inches per second). If your press has a stopping time of one-half second (.5 second), the calculations would be:
 $D = 63 \times .5 = 31.5$

The sensing field would need to be at least thirty-one and one-half inches from the point of operation.

Reference: See, Provide additional safeguards when the operator puts one or both hands into the point of operation, WAC 296-806-45526, while feeding or removing parts, for additional safeguards that are required if the operator puts one or both hands into the point of operation to feed or remove parts, and the point of operation is protected by a presence-sensing device.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 15-24-102, § 296-806-45516, filed 12/1/15, effective 1/5/16; WSR 04-14-028, § 296-806-45516, filed 6/29/04, effective 1/1/05.]