

**Kurt PFW 5-Axis
Vise mounted on an
APW420 96 mm quick-
change base.**



Up your automation game with the new Kurt APW420 Riser Pallet — featuring 96 mm pull-stud spacing and air release for rapid manual or robotic vise swaps—featuring 2.285 inches of rise.

FEATURES

- » Remote pallet actuation with a Kurt FLR and a hand or foot switch (above - sold separately)
- » Connects to shop air source
- » Fast, pneumatic actuation
- » Designed to work with Kurt 5-Axis vises and other brands
- » Includes 4 pull studs

The revolutionary new Kurt APW420 Pneumatic Pallet is an air-actuated receiver pallet for 5-Axis vises. The pneumatic pallet is a turn-key automated 96 mm zero-point mounting system that can be operated using the switch on the pallet or configured for remote or fully automated use. New Kurt PFW 5-Axis Vises with 96 mm pull stud locations are the perfect pair to the pneumatic pallet.

The Pneumatic Pallet is designed to be mounted on a machine table with two through bolts. Industry-standard 96-mm spaced pull studs hold vises in place. Setting up the system requires only shop air and a Kurt filter regulator lubricator unit. Additional accessories can be added to a setup depending on the needs of the shop.



PFW420



PFW440



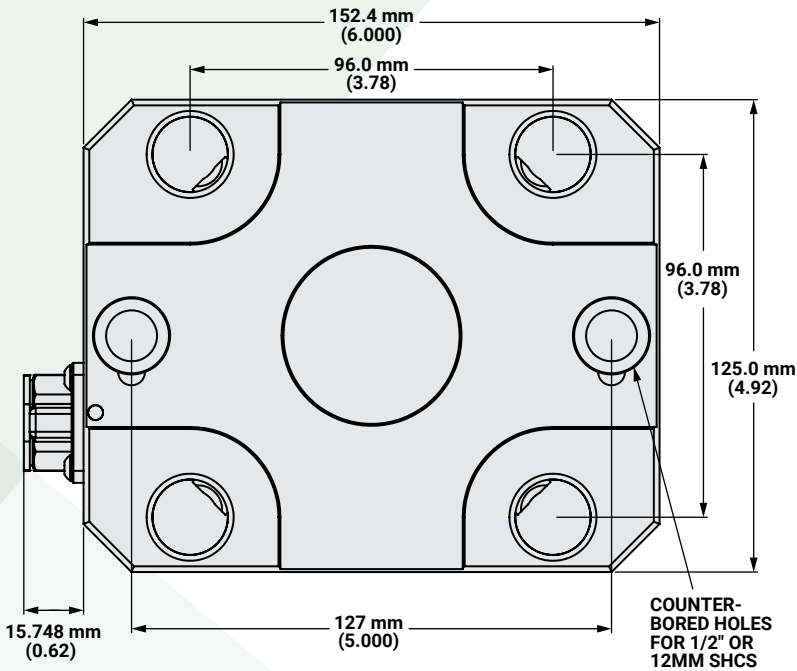
PFW460

Compatible Vises

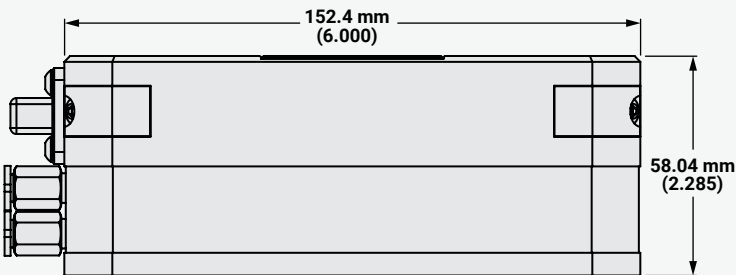
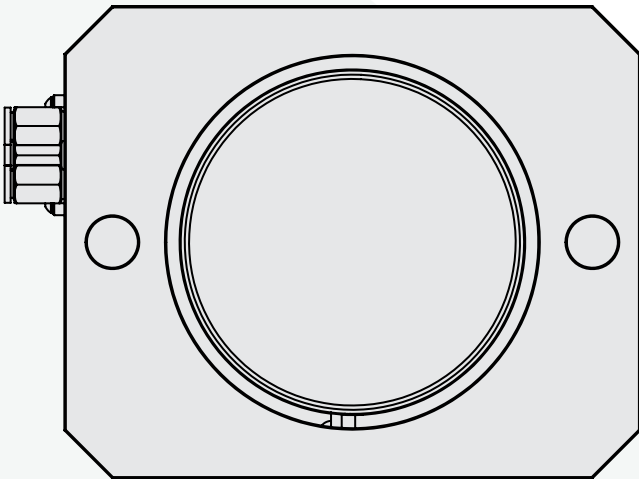
Kurt's PFW-Series vises are designed to mount on our new 96 mm zero-point pallet system.

Kurt 5-Axis Pneumatic Receiver Base

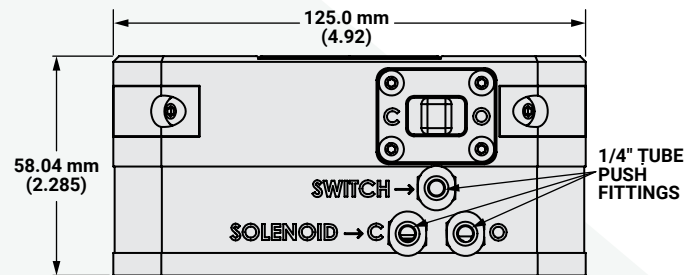
TOP



BOTTOM



SIDE



Switching Options

A remote switch can be added outside of the machine, or an operator can simply lock and unlock a vise using the built-in switch on the base. A fully automated setup can be achieved by using additional solenoids and a machine tool controller, robot, or PLC.

New robot-ready Kurt PFW420, PFW440 and PFW460 5-axis vise models dock on the pallet using 4 pull studs with 96 mm spacing and offer top-quality design and construction for CNC workholding. The Air Pallet's 96 mm universal pull stud spacing also accommodates non-Kurt brand 5-axis vises.

Pneumatic Operating Instructions

To run pallet with built-in switch: plumb shop air to pallet using 1/4" tube in push to connect fittings. Assure the solenoid ports labeled C and O are plugged with pipe plugs.

To run pallet with an air solenoid: plumb clamp port "C" with 1/4" tube from solenoid, plumb open/unclamp port "O" with 1/4" tube from solenoid. Assure the switch port "SWITCH" is plugged with pipe plug.

Note: The unit comes ready to run with the manual switch. In the event you want to use solenoid valves the manual switch must be set to the center position as seen in front view below. 