

Work drop prevention check valves FPV series



● Safety handling of workpiece with several pads

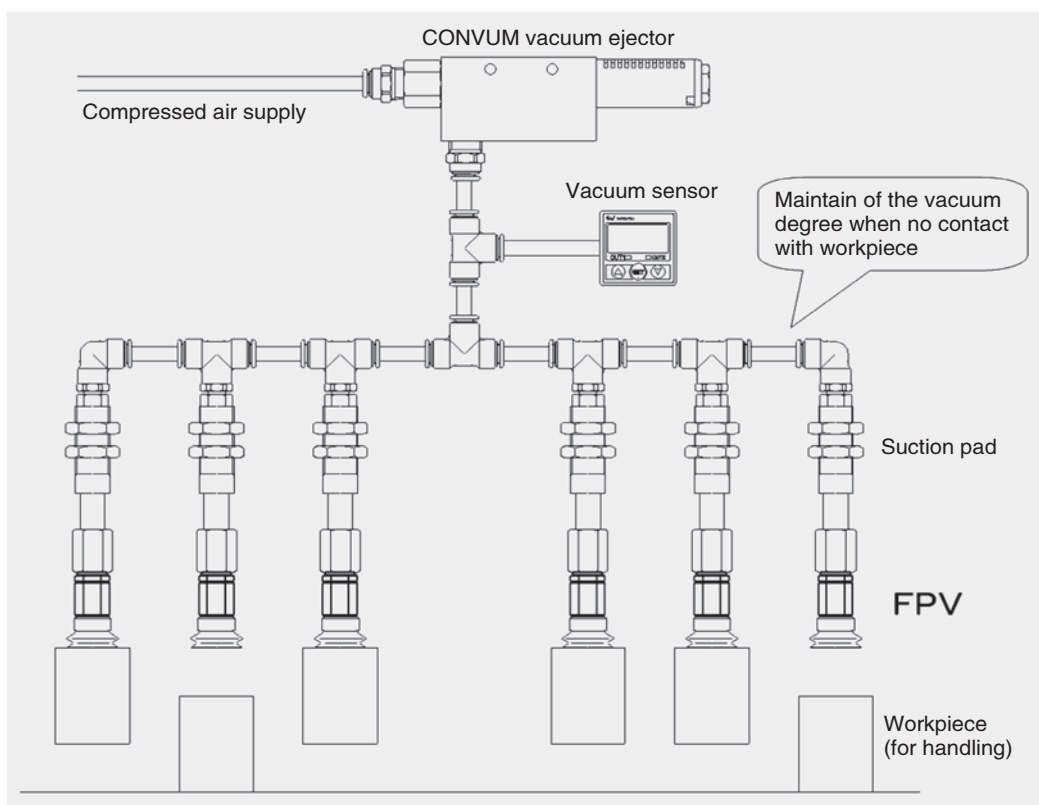
Enable using one CONVUM ejector and several pads, in applications where some of the suction pads may not be in contact with the workpiece.

● Maintain of suction even if no contact with workpiece

Suction is maintained even in no contact between workpiece and some of the suction pads.

● Integrated filter

Filter element integrated in check valve body.



Safety instructions



WARNING

- ① In the case of porous workpiece handling, it may not be possible to handle the workpiece if there is not enough vacuum (air) flow or if there is important leakage.
- ② The quantity of FPV that may not have contact with the workpiece changes depending on using conditions. Please select suitable quantity after checking CONVUM ejector, vacuum pump specifications (vacuum flow, vacuum pressure characteristics)
- ③ FPV check valve is not a vacuum maintaining product. Do not use it in this way.
- ④ Please test FPV valves in real condition on the equipment in the case that you need to check the suction with a signal by using a vacuum sensor set up between the FPV and the suction pad. As there is only few pressure variation, the vacuum degree may not be high enough to get the desired signal.
- ⑤ Please test FPV valves in real condition on the equipment in the case that you need to use 1 CONVUM ejector with several FPV valves.
- ⑥ Attachment of FPV: please attach male screw to CONVUM ejector side (vacuum source).