

Vacuum Equipment

ZYY / ZYX



ZYY/ZYX Ejector Valve Unit suitable for vacuum adsorption system. Can be combined with valve for cylinder drive.

Vacuum Ejector ZM



Valves and switches are unitized. Adaptable for manifold application. Maximum absorption flow rate is increased by 40%. Maximum vacuum pressure -84 kPa.

Vacuum Unit ZK2



Compatible with ejector systems and the vacuum pump systems. Digital pressure switch for vacuum with energy saving function cuts supply air when the pressure reached the desired vacuum. Air consumption: 90% reduced. More efficient ejector. Suction flow: 50% increased. Air consumption: 30% reduced. (Compared to other SMC single stage ejectors). Compact/Lightweight. Volume 88 cm³ 28% reduced. Weight 81 g 59% reduced.

VQD1000-V



VQD1000-V Vacuum/Release Unit. Applicable to 0603 chip. Response speed: 13 msec (at time of 500 mm*)/18.5 msec (at time of 1000 mm*). Smooth workpiece removal, with no overshoot. No need for timing adjustment of switchback between vacuum and positive pressure. No need for throttle circuit of release air. Suction filter: ZFC050 (Made to Order). Distance from the unit to the work area.

ZFC



ZFC In-line Air Filter with One-touch Fitting. Series ZF are air suction filters that prevent trouble in vacuum equipment caused by contaminants in the air. They are light weight and compact. ZF filter elements are easily replaced without tools. One unit offers both positive and negative pressure. Metric and inch sizes. One-touch fittings. Made to order blue element (X03) makes it easy to see white foreign matter.



Electronic Vacuum Regulator ITV

- Stepless control of vacuum pressure in proportion to electric signals
- Communication: CC-Link, Device Net™, PROFIBUS DP, RS-232C.



Suction Filter ZFC050

Small suction filter which can be installed directly Series Model Port size IN side Port size OUT side Filtration (µm) ZFC050 ZFC050-M5X50.



Vacuum Regulator IRV

- Allows adjustment of vacuum line pressure.
- Single sided connections series
- Weight reduced by 20% (Compared with the existing IRV2000 with IRV20 fitting)
- Built-in One-touch fittings
- Easy to attach/detach the pressure gauge or digital pressure switch due to attachment by clip.
- Mounting direction of the pressure gauge or digital pressure switch can be changed. (Standard connections only)
- Mounting angle of the pressure gauge or digital pressure switch can be changed easily (in 60-degree increments).

Vacuum Saving Valve ZP2V



ZP2V is a vacuum saving valve that when multiple vacuum pads are operated by one vacuum generator, and some of them are not holding the work piece, the reduction of vacuum pressure is restricted and the work piece can remain held by the rest of pads. When the work pieces have different shapes, the control circuit can be simplified. There is no need for switching operation when changing work pieces.

- * Connection thread size for the pad: M5, M6, M8, R1/8, G1/8, NPT1/8
- * Fixed orifice size (mm): 0.3, 0.5, 0.7, 1.0
- * Maximum operating pressure range (MPa): 0 to 0.7
- * Ambient and fluid temperature (°C): 5 to 60 (No freezing)
- * Element nominal filtration rating (µm): 40