



Safety notice/vacuum generator/caution for application

CHELIC PNEUMATIC

Please read the safety notice carefully before using and pay attention to the safety caution of this product

- Pay attention to the individual caution for various model series(read the cautions and safety notice in P9~10 for common cautions)

Caution for design, selection and maintenance

Warning

- Take the volume and weight of the sucked object while designing, prevent insufficient vacuum and poor effect and induce hazard.
- Avoid sucking extra heavy and hazardous object, make the dropping prevention measure and safety management work.
- If multiple linked sucker is applied in designing the vacuum circuit, note for the possibility of poor suction to cause drop of vacuum and affect the suction force of other sucker and induce dropping hazard.
- Please don't use fluid other than compressed air, never suck in fluid other than clean air.
- Avoid chemical, corrosive and inflammable gas; avoid sea water, steam high temperature place in surrounding.
- Avoid oil contain gas, don't oil mist in the pipeline, oil in pipeline will cause blockage resulting in poor effect.
- Use air filter before air supply, the filter element of the vacuum generator should be replaced regularly, avoid blockage affect the vacuum effect of the vacuum generator.
- Avoid blockage of the supply port of the vacuum generator or power failure cause insufficient supply pressure and dropping of sucked object and impair safety.
- The vacuum generator is structure generating vacuum from air supply, there is no explosion proof design, the supply and discharge should be performed simultaneously, never used in confinement and exceed pressure range in specification table.

vacuum
generator

Caution

- Please don't disassemble the vacuum generator in discretion, disassemble the vacuum generator in discretion will lead to displacement of the original calibration accuracy; error disassembling will lead to hazard and cause problem on operation of the product.
- Read the warning and caution for connectors for the fixing thread and key point for tube insertion for the type of quick joint of the vacuum generator.
- The piping of the inlet port of vacuum generator should be 3~4 times of the cross section area of the nozzle, in order to maintain sufficient flow of inlet port and stable pressure supply.
- Piping at vacuum side (from vacuum generator to sucker), the pipeline should be as short as possible and with large pipe diameter, no excessive bend is allowed; insufficient flow will cause prolong sucking and detaching time and affect the stability of operation.
- Generator of VM series plastic body should not be turned by clamping by tool, the portion turn able by hand should be serviced by disassembling by hand.



Safety notice/vacuum sucker/caution for application

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Caution for design, selection and maintenance

Warning

- The suction of work piece, heavy object and hazardous article shall prevent from dropping and cause hazard, safety precaution should be taken.
- Avoid sucking extra heavy and hazardous object, make the dropping prevention measure and safety management work.
- Select suitable shape and quantity base on the kind, shape, size and weight of the sucked object; and take the surface condition of the work piece, oily or not, moisture into account, avoid porous surface cause poor sucking effect.
- Select suitable shape and kind of sucker in order to fit different work piece suction; select suitable sucker material to suit the environment required and sucked object; avoid direct suction on medical pharmacy and foods staff.
- Pay attention to the hazard of sucked object from dropping due to speed, swinging, impact and vibration during moving; make sure the secure and reliable of the sucked object, avoid loosen and cause hazard.
- If multiple linked sucker is applied in designing the vacuum circuit, note for the possibility of poor suction to cause drop of vacuum and affect the suction force of other sucker and induce dropping hazard.
- Please don't use fluid other than compressed air, never suck in fluid other than clean air.
- Avoid chemical, corrosive and inflammable gas; avoid sea water, steam high temperature place in surrounding.
- Avoid oil contain gas, don't use oil mist in the pipeline, oil in pipeline will cause blockage resulting in poor effect.

vacuum
sucker

Caution

- Beware of the height and size uneven or imbalance distribution of weight of the sucked object cause hazard and damage of sucker.
- For the sucked object with large area, area type sheet object, it is preferable to use several sucker and take the even distribution of area and gravity center weight into account.
- Check for leakage, blockage or loosen of the screw linking the sucker of the vacuum circuit at usual which cause poor suction, service it in time to prevent hazard in operation.
- Check for deformation, crack and aging of the sucker regularly, replace them if necessary in order to maintain stable working quality.
- Pay attention to rough surface on the sucked object or the sucker area exposed the outside of the sucked object causing poor suction, hazard and damage to the object.