



GW Ejector Installation Guidelines

1. The injector must be installed horizontally or vertically upwards, if it is to be installed vertically downwards, the outlet pressure should be at least 0.35 to 0.7kg/cm².The outlet pressure should be at least 0.35 to 0.7 kg/cm²;
2. If the ejector outlet discharges directly into the atmosphere, to optimize suction performance, the outlet should be connected to a pipe with a diameter no less than DN300.
3. The nominal diameter of flow valves and pipes connected to the ejector must not be smaller than the ejector's nominal diameter.
4. A certain pressure difference between the ejector's inlet and outlet is required for proper operation (typically no less than 25–30%). If the pressure difference is insufficient, increase the inlet pressure or reduce the outlet pressure. It is recommended to install pressure gauges at the inlet and outlet to monitor the pressure difference.
5. For flange connections, ensure stress-free installation. The ejector's inlet, outlet, and air suction port must be securely fixed to prevent excessive stress on the suction throat, ensuring normal operation.
6. When installing the ejector in a water pool, if the connected pipes are made of carbon steel, insulation measures must be taken to prevent electrochemical corrosion. Additionally, the suction pipe above the water surface must be fixed.
7. During installation, prevent foreign objects from entering the suction pipe to avoid blockages.
8. For external installation, if using a self-priming setup, the ejector should be installed above the water level of the pool to prevent sewage backflow in case of pump failure. For blower-pressurized systems, the air supply pipe should also be above the water level. It is recommended to install a bypass pipe and a self-priming bypass valve between the blower's air inlet valve and the suction port.
9. For self-priming installations, the suction port should face downward



or horizontally.

10. Arrange supports according to the specific pipeline layout and relevant pipe installation standards.
11. To ensure the ejector's water flow and oxygenation performance, gate valves should be used for the pump's inlet and outlet valves, as well as valves on pipes connected to the ejector aeration system. Butterfly valves are not recommended.
12. During pipeline welding, ensure full penetration and avoid welding slag or debris falling into the ejector throat or pipes, which could disrupt normal operation.
13. If the suction port is connected to oxygen, ozone, or other special process gas pipelines, all relevant pipeline installation standards must be complied with.

Documents is translated by AI from Chinese documents. If you have any questions, Please contact us.

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