



Gravity water purifier

Summary:

KGL gravity water purifier is a unified water purification equipment with surface water as the water source and integrating reaction, sedimentation and filtration. If it is combined with alum dosing and disinfection, it can become a water purification station (water purification plant) with complete functions. The equipment adopts advanced processes such as folded plate reaction, high-efficiency inclined tube sedimentation and multi-layer filter material filtration. The equipment has reasonable process parameters, compact structure, convenient operation and management, high effluent load rate, good purification effect, stable and reliable equipment performance and operation. It can adapt to river, river, lake, reservoir and other source water. This series of products are widely applicable to the purification of domestic and industrial water in towns, communities, villages and towns, industrial and mining enterprises, schools, stations, docks, buildings and field operations, tourist areas, military camps and so on.



Equipment performance:

1	Equipment surface load rate : 7.5-10.0 m ³ /h-m ²	6	Flushing duration: 4.0~6.0 minutes
2	Raw water turbidity: 500 ° ~1000 ° (3000 ° if add Ultrafast precipitator)	7	Total residence time: 40 minute
3	Effluent turbidity: 3 ° ~5 °	8	Water head loss: <1m
4	Filtration rate: 10 m/h	9	Inlet pressure: ≥0.05 Mpa
5	Flushing intensity: 14L/m ² -S	10	Backwashing pressure: ≥0.1 Mpa

Technical parameters:

Model	Treated water volume (m ³ /h)	Overall dimension L x W x H (mm)	Equipment operating Weight (kg)
KGL-5	5	1500 x 1200 x 3200	8000
KGL-10	10	2200 x 1500 x 3200	13000
KGL-15	15	2200 x 1600 x 3200	18000
KGL-20	20	3000 x 2200 x 3200	24000
KGL-30	30	3800 x 2200 x 3200	34000
KGL-40	40	4500 x 2200 x 3200	40000
KGL-50	50	5600 x 2200 x 3200	48000

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KGL-60	60	6600 x 2200 x 3200	55000
KGL-80	80	7700 x 2500 x 3200	70000
KGL-100	100	9500 x 2500 x 3200	85000

Installation, operation, operation and maintenance of water purifier:

a. Install

1. The water purifier can be installed indoors or outdoors. When installed outdoors, antifreeze measures shall be taken for its gates and other accessories in low temperature areas.
2. The water purifier requires the construction of concrete foundation, the foundation shall be horizontal, and the foundation thickness can be determined according to the foundation conditions.
3. The pipes and fittings of the water purifier shall be installed according to the drawings and equipment requirements.

b. Operation

1. The filter material in the water purifier shall be filled after the installation of the water purifier. When filling the filter material, it shall be operated in strict accordance with the filter material gradation and its thickness.
2. Before filling the filter material, strictly check and remove all kinds of appliances, sundries and garbage in the water purifier.

Sketch drawing

