

BENCHO

CORROSION PROOF CHLORINATORS

SPECIALIZED FOR INJECTING
CHLORINE GAS IN TO PUMPING MAIN
CHLORINATORS
PRESSURE FILTERS
RO PLANTS
WATER TREATMENT
GRAVITY FEED/ PRESSURE FEED/ VACUUM FEED
CHLORINATORS
WATER TREATMENT PLANTS
WATER TREATMENT SOLUTION



JEEKEY

(AN ISO 9001 - 2015 Certified Company)

SPECIALIST IN WATER TREATMENT PLANTS

Factory/Office: 28/331/7, AQUATIC COMPLEX

KARUNAKARAN NAMBIAR ROD

THRISSUR, KERALA - 680020 PH : 0487 2320764 (O)

MOB : 9349446551, 9846087225, 9349847210



www.jeekey.in



About us

“Jeekey” is situated at Aquatic Complex Thrissur, and established at auspicious moment in the year 1991 January, with primary objective of rendering dedicated services in the field of water purification by developing water treatment plants like CHOLINATORS, PRESSURE FILTERS, R.O.PLANTS, BLEACHING POWDER DOZERS etc. JEEKEY was started with MSME registration, Govt. of India become an ISO 9001 certified company in 2013, and having NSIC registration. We are also having a R&D wing to improve the quality of our products.

QUALITY POLICY

We at ‘JEEKEY’ are committed to provide quality products and service to the customers with the support of its strategic planning by identifying all of the internal & external issues, framing of the quality objectives for each functions & by ensuring necessary actions are taken to satisfy all the applicable requirements and continual improvements of the systems.

VISION

Man kind started looking for options to overcome water pollution and the remedy is only water treatment. Water treatment way any process that makes water more acceptable for a specific end - use (Drinking water, industrial water supply, irrigation etc.) provide healthy chlorination and water purification to prevent diseases like Cholera, Typhoid, Hepatitis etc:-

MISSION

Prosperity of nature through supply of leak proof Chlorinators with high class corrosion proof materials. Inject chlorine gas in to pumping main which will prevent the absorption of chlorine and corrosion of surrounding area. To focus on satisfaction of customers by giving quality and reliable plants with long term maintenance free functioning

Dear Sir,

We pleased to introduce ourselves as one of the leading Water Treatment Plant Manufacturers in South India. Ours in an ISO 9001 - 2015 Certified company situated in Thrissur, Kerala in the name and style of Jeekey. We are manufacturing all types of Chlorinators;

(a) Pressure Feed (To inject the Chlorine Gas to the pumping Main)

(b) Floor Mounted type Vacuum Feed Cubical type

© Wall Mounted type Vacuum feed

(d) Gravity Feed

Reverse Osmosis Plant, Pressure Filters, Iron Removal Plants, Chemical Dozers, STP Plants Etc. We are also dealing Chlorine safety equipments, Chlorine cylinders, Motor Pump Sets (Centrifugal Mono block Pumps, Coupled Pump sets, Submersible Pumps, Fire fighting Pumps, Pressure Pumps) Zero velocity valves, Flow meters etc.

With our 25 year experience, we have supplied a lot of our products to Kerala water Authority, Thirupur City Municipal Corporation in Tamil Nadu and some other private organizations.

We are very much confident about our quality capability and reliability to maintain your supplying norms. We hope our product performance will itself tell you about our reliability and quality. WE ARE GIVING 3 YEARS GUARANTEE FOR OUR ALL PRODUCTS.

BENCHO

CORROSION PROOF CHLORINATORS

FOR DISINFECTION OF POTABLE WATER AND SWIMMING POOL WATER

Bencho chlorinator has been designed generally as per IS: 10553 part II 1983 specification by taking into account of its physical and chemical properties - Viz its reaction with metal, solubility in water, behavior at different temperature and its hazards.

Chlorine gas, greenish yellow in colour, two and half time heavier than air, reacts with almost all metals. Hence we are using only Teflon, Silver, Hastalloy - C, the highly resistant engineering alloys for chlorine gas. In our chlorinator chlorine gas is passing through filters and valves made out of Teflon. Since the Teflon is having very low mechanical strength we are using PVC composite FRP for outside protection

PURPOSE OF CHLORINATION FOR POTABLE AND SWIMMING POOL WATER

Certain diseases like infections Hepatitis, Typhoid, Cholera etc. are caused through impure water. In addition, some types of bacteria cause distaste and impart colour and odor to water. The only and readily available and economical solution for the above is chlorination.

Surface water resources, normally are polluted. It needs extensive and thorough treatment and to meet this requirement, Chlorination is performed.

Chlorine when added to water takes 15-30 minutes of retention time to reach with all substances present in water.

DESIGN & OPERATION

Bencho make Vacuum feed Chlorinators are having the latest Vacuum Technology. This semi automatic Chlorinator will develop the required vacuum (300hg) with a water pressure of just 0.5kg/cm², which is suitable for upto 5kgs/hr Chlorinator. The Chlorine gas from the cylinder enters the Chlorinator where it is filtered to remove any foreign material which might be present. Water under pressure flows through the injector at high velocity and causes a vacuum which opens, a vacuum causes the diaphragm to open the Chlorine inlet safety valve to admit the gas into the regulator. the spring opposed diaphragm regulates the vacuum at this point.

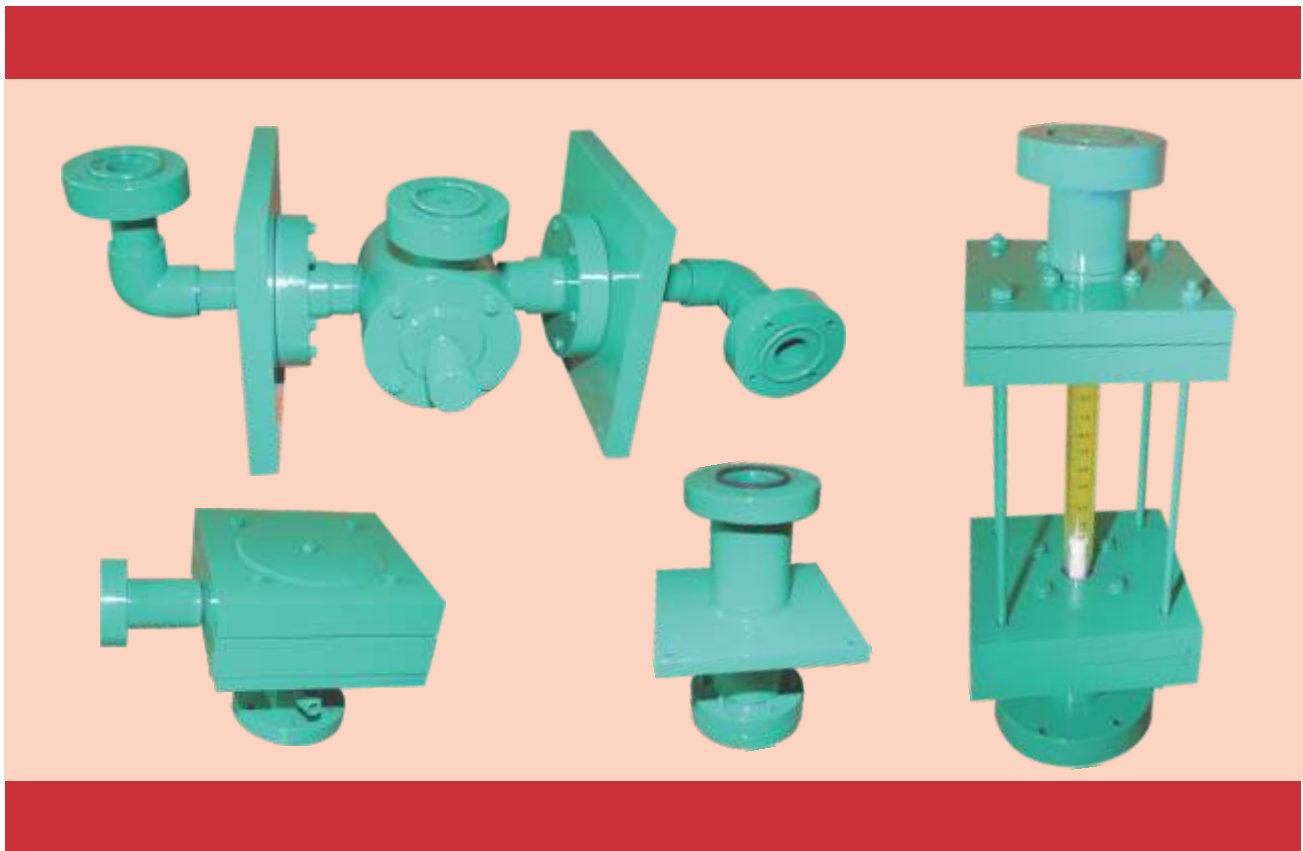
The gas passes through the flow meter and the rate control valve and then to the injector where the Chlorine is thoroughly mixed and dissolved in the water and carried to the application point as a solution. If the water supply to the injector is stopped, or the operating vacuum is lost for any other reason, the spring loaded gas inlet valve immediately closes to isolate the Chlorinator is vented from the system through built-in pressure relief valve. If the source of Chlorine gas is exhausted or the gas line plugged and excess vacuum valve in regulator closes to prevent any moisture being pulled back into the regulator or the gas supply lines. The ejector is provided with a diaphragm operated back

check valve to insure that water does not leak back into the regulator when the system is shut down.

OPTIONAL FACILITIES AND GUARANTEE

We can supply a Chlorinator with automatic regulation. This automatic regulator will stop the entire Chlorination if found any leakages in the plant. It also will give an alarm to the operator.

We take utmost care in manufacturing our Chlorinators. The equipment is guaranteed for a period of three years against any manufacturing defects. If found any fault due to materials or workmanship during guarantee period we will replace the equipment immediately on free of cost.



Marketed Installed By:

1. Primary Chlorine Gas Filter
2. Automatic Vacuum Regulator
3. Secondary Chlorine Gas Filter
4. Rota meter
5. Chlorine
6. Vacuum Pressure Guage
7. Water Pressure Guage
8. Submersible Pumpset
Chamber
9. Injector Assembly
10. Water Inlet
11. Drain Valve
12. HOCL Outlet
13. Submersible Pumpset
14. Chlorine Inlet
15. Chlorine Control Valve



BENCHO VACUUM FEED CHLORINATOR

Manufactured, Supplied & Commissioned by :

JEEKEY

28/331/7, AQUATIC COMPLEX
KARUNAKARAN NAMBIAR ROAD, THRISSUR
KERALA-680 020. PHONE : 0487-3204955 (O)
MOB : 09349446551, 09846087225

AUTHORIZED DEALER IN KARNATAKA

SREE KRISHNA AGENCIES

ANJURANA, MAHALAKSHMI LAYOUT
NEERU ODYET, PRIMARY SCHOOL
HALEBIALAPURA, GUTTUR P.O.
HARIBARA - 577251
BANGLORE DIST., KARNATAKA
PIN: 0088 33341-3

Model : STD 100 4L per 1510000 (part 5) (1980)
Capacity : 10 Kg/mtr
Type : Vacuum Feed

INSTRUCTIONS

1. Open Water Inlet Valve and verify in the motor and vacuum pressure is decreasing
2. Open The Valve of Chlorine Cylinder
3. Open The Control Valve of Chlorinator and Regulate The Required Flow of Chlorine Gas
4. After Chlorination Close the Cylinder Valve and Water inlet and verify of the motor



CHLORINE PRESSURE GAUGE

VACUUM PRESSURE GAUGE

WATER PRESSURE GAUGE

WARNING

1. CHLORINE IS A DANGEROUS GAS, BUT AN ECONOMICAL SOLUTION FOR DRINKING WATER PURIFICATION
2. OPEN ALL WINDOWS AND DOORS OF THE CHLORINATOR ROOM AND PUT ON EXHAUST FANS BEFORE STARTING CHLORINATION
3. CHECK THE CHLORINE LEAK BY AMMONIA TORCH
4. MAJOR LEAK SHOULD BE INFORMED TO THE HIGHER AUTHORITIES IMMEDIATELY