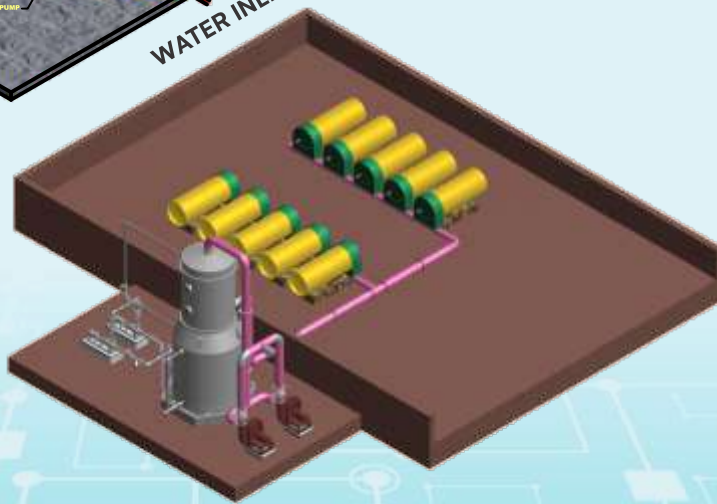
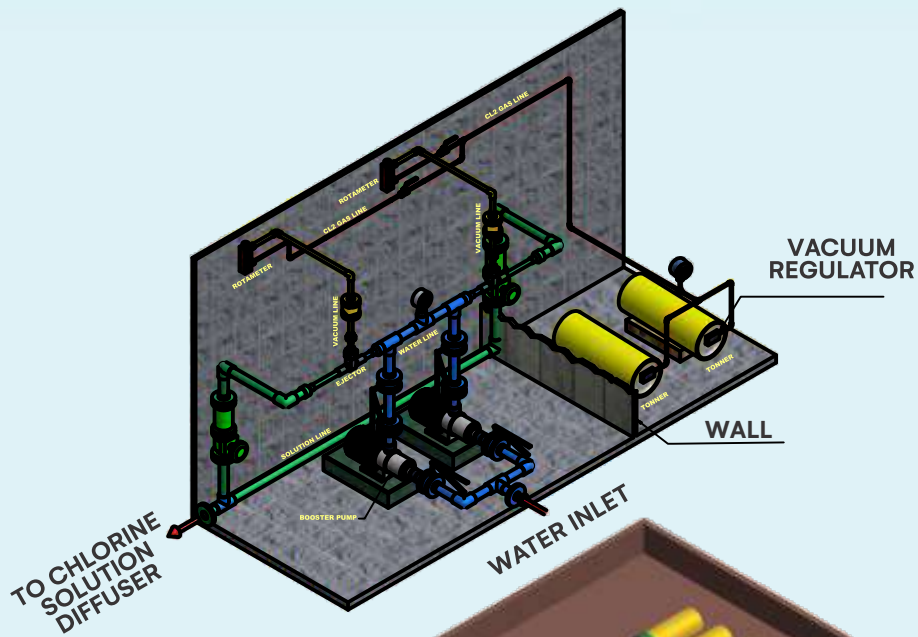


SUPREME TECHNOLOGY

Ardour for Excellence



CHLORINATION SYSTEM

FLOW SOLUTIONS & ELECTRO-PNEUMATIC POSITIONERS



**SUPREME
TECHNOLOGY**
Ardour for Excellence

About Company

Supreme Technology Advantage

Whatever your goal - reducing energy costs and waste, better inventory management, reducing downtime and maintenance costs, improving product quality - the staff at Supreme Technology will help you get the most value out of your process measurement and control instruments.

The best at what we do

Providing Solutions to Detect, Measure, Analyse & Control your process by offering a range of Products from network of suppliers with Innovative Technology & Engineering to Water & Process Industries.

Our Principles

**SUPREME
TECHNOLOGY**
Ardour for Excellence

- Chlorination System
- Chlorine Leak Absorption & Neutralisation System
- Emergency Shut Off Valve
- CHLORINE EVAPORATOR
- UV disinfection system

ADAMS
VALVES

- Check Valves for Gas Compressors & Turbines
- Tripple Offet Metal to Metal Seated Butterfly Valve for High Tempertaure Pressure & Cryogenic Services
- 3 in 1 Combined Check Valves for Cooling Water Pump Discharge



Badger Meter

- Research Control Valve Low Cv 0.000018
- Turbine Flowmeters
- Oval Gear Flow Meters
- Variable Area Flowmeter
- Hydraulic Vibrator
- Ultrasonic Flowmeters
- Gas Detectors
- Impeller Flowmeter
- Vortex Flowmeter
- Hydraulic Diagnostic Products
- Nutating Disc Meters

sensia
Rockwell Automation + Schlumberger

Sensia Measurement Solutions Product

- Process flow meters
- Flow computers and controllers
- Chart recorders
- Custody transfer metering
- LNG metering

DYNA mütéc
Tecnologia de alta precisão

- Solid Mass Flowmeters
- Solid Flow Switches
- Broken bag Fliter Switches
- Dust Monitors
- Sieve Monitoring/Granules size measurements
- Solid Velocity meters
- Solid Density & Concentration Meters
- Solid Mositure Measurement Solutions
- Cell Voltage Monitoring System
- Signal Converters

tissin
Solutions for Control valve Accessories

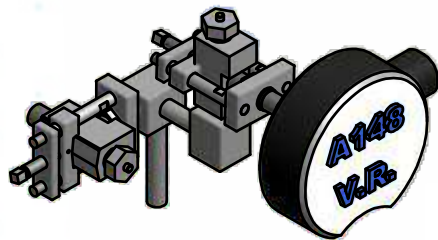
- Electropneumatic Positioner
- Smart Positioners
- Position Transmitters
- Volume Boosters
- Limit Switches
- Refer enclosed catalogue contents of Tissin

A148 Direct Cylinder Mounted Gas Chlorinators

For Municipal & Industrial Water and Waste Water Treatment, Swimming Pool Disinfection

THE ECONOMICAL GAS CHLORINATOR

Supreme Gas Chlorinators are designed to be an alternative to the high maintenance, difficult & expensive to service, gas chlorinators that you have been forced to use when your budget requires a low cost unit.



VACUUM REGULATOR

SAFE ALL-VACUUM DESIGN

Vacuum is created by a water operated venturi, which powers the system. Chlorine gas can only enter the vacuum regulator when a sufficient vacuum is present. Pressurized chlorine gas is immediately reduced to a vacuum as it enters the chlorinator inlet valve, which is securely clamped to the chlorine cylinder valve or wall manifold header valve. The gas is conveyed throughout the system in a vacuum state, so any interruption of ejector water flow or any break in the vacuum tubing will cause the inlet valve to close tightly. Chlorine gas will not escape. In the event of very small breaks, air will be sucked into the system, rather than chlorine gas leaking out.

SIMPLE DESIGN MEANS EASY TO MAINTAIN

Fewer parts means that A148-2KLOR can be easily disassembled when cleaning or preventive maintenance is needed, and quickly reassembled with no special tools. A screwdriver and a pair of channel-lock pliers (spanner) are all that is required. Operators and service personnel do not need extensive training. An easy to follow manual guides them through most routine procedures, and the simple design allows operations personnel to quickly familiarize themselves with the operation of the equipment.

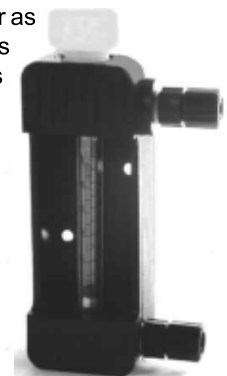
MODULAR CONSTRUCTION

Supreme Gas Chlorinators are designed to allow greater flexibility in installation and service. Each system consists of a vacuum regulator, remote meter panel, and ejector. These components may be placed wherever it is safest and most convenient for operations personnel. The vacuum regulator may be mounted directly on the chlorine cylinder or a wall manifold in a safe storage area.



CHLORINE FEED RATES

SUPREME A148 *KLOR gives you a choice of six (6) variable area flow metering tubes. The Tubes are graduated in Grams per Hour as well as Pounds per Day of chlorine gas feed rate. The minimum gas feed is 1/20th of the maximum:



Supreme MATERIALS

Supreme construction uses only materials which have been carefully chosen to withstand attack by dry chlorine gas, wet chlorine gas, and even reliquified chlorine which may enter the system. Springs and diaphragms are guaranteed for the life of the equipment against damage by chlorine in any form. Fiberglass reinforced plastics are used in the vacuum regulator to assure warp-free operation and to prevent cracking, which is a problem in many contemporary designs.

COMPATIBILITY WITH OTHER BRANDS

All Supreme vacuum regulators, remote meter panels and ejectors can be used with existing equipment of other manufacturers, as replacements or upgrades when it is not economically viable to replace an entire system.

EJECTOR

Water Supply Inlet: 1" NPT Male Thread or 1" Hose.
Chlorine Solution Outlet: 1" NPT Male Thread with spray or open end, or 1" Hose.
Maximum Back Pressure: 200 PSIG (13.8 Bar).
Check Valve: Dual, High / Low Back Pressure.

VACUUM REGULATOR

Mounting: Directly on Chlorine cylinder valve or on wall manifold auxiliary chlorine valve (optional).
Loss of Gas Supply Indication: Diaphragm Indicator pin below front surface indicates loss of supply.
Inlet Gas Filter: Removable, can be cleaned and re-used.
Pressure Relief: Integral diaphragm "vent" with 3/8" tubing connection to outside.

REMOTE METER PANEL

Accuracy: $\pm 4\%$ of maximum.
Flow Meter: Variable area precision Borosilicate glass tube with Pyrex glass indicating float. English and Metric graduations.
Rate Valve: Variable area "Seatless" design.
Feed Rate: Minimum feed rate for each size tube is 1/20 of the maximum.

STANDARD EQUIPMENT

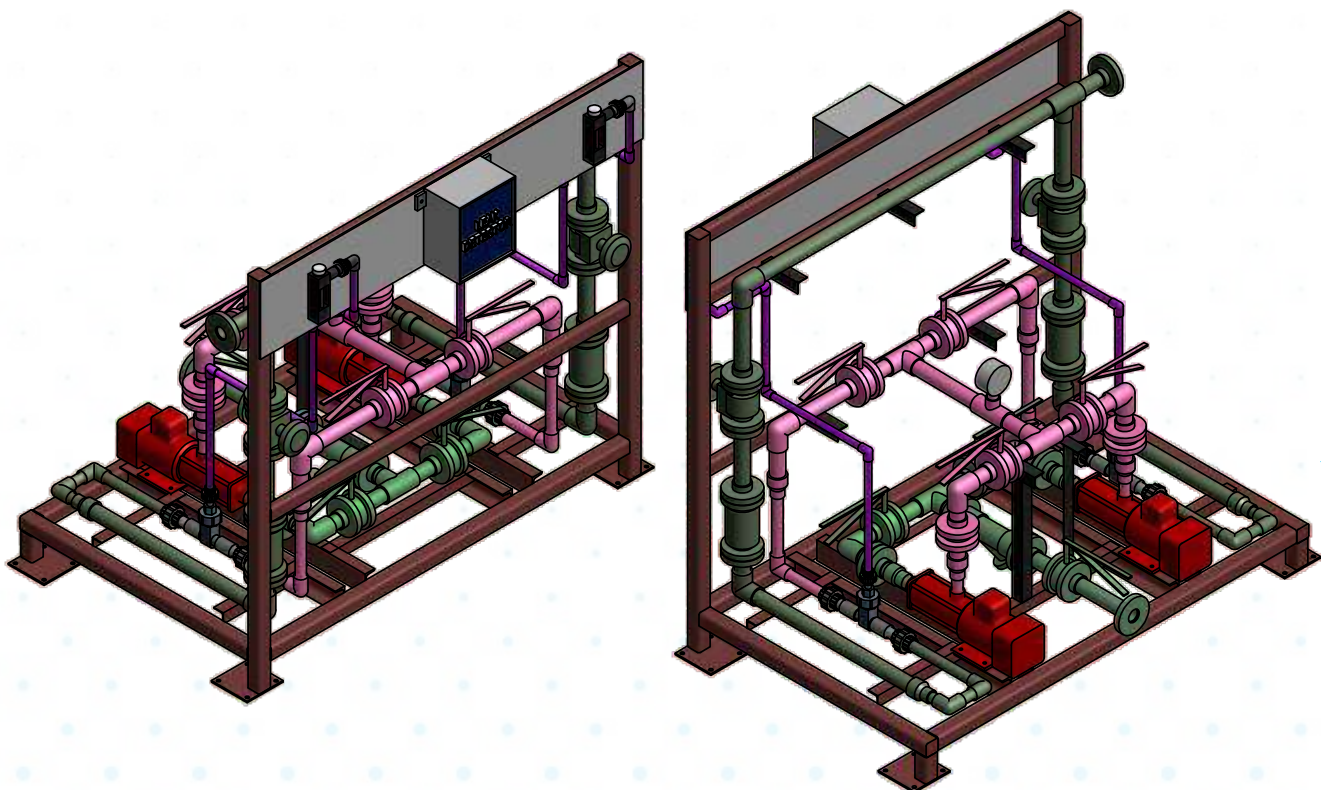
25 ft. (7.6 Meters) - 3/8" OD vacuum and vent tubing.
1 - Vent insect screen,
10 - Lead chlorine cylinder connection gaskets.

OPTIONAL EQUIPMENT & ACCESSORIES

Booster Pumps	Inlet Water Assemblies
Wall Manifolds	Flexible Connectors
Isolating Valves	Gas Masks
Corporation Stops	Scales

AUTOMATIC CONTROL

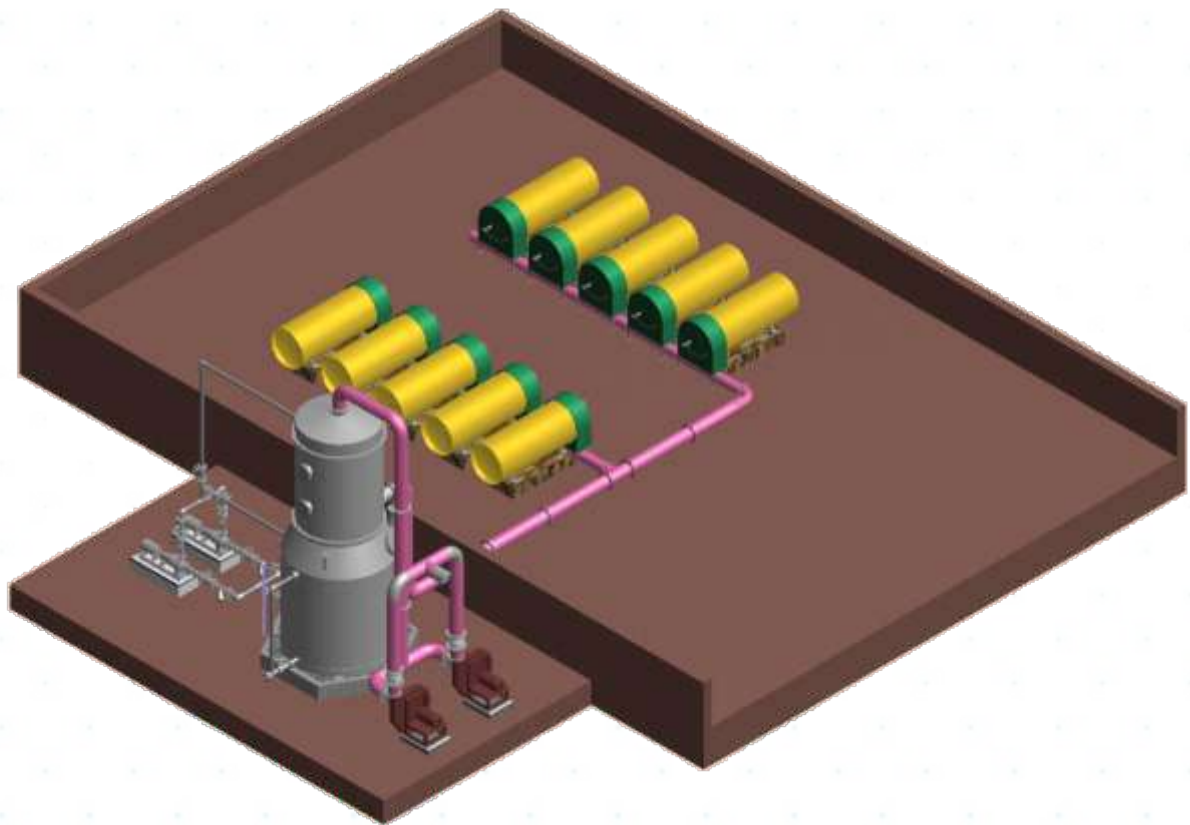
All Supreme gas chlorinators may be used with most existing automatic control valves.
An electronically controlled AutoValve is available for controlling the chlorine gas feed rate in response to a variety of input signals.



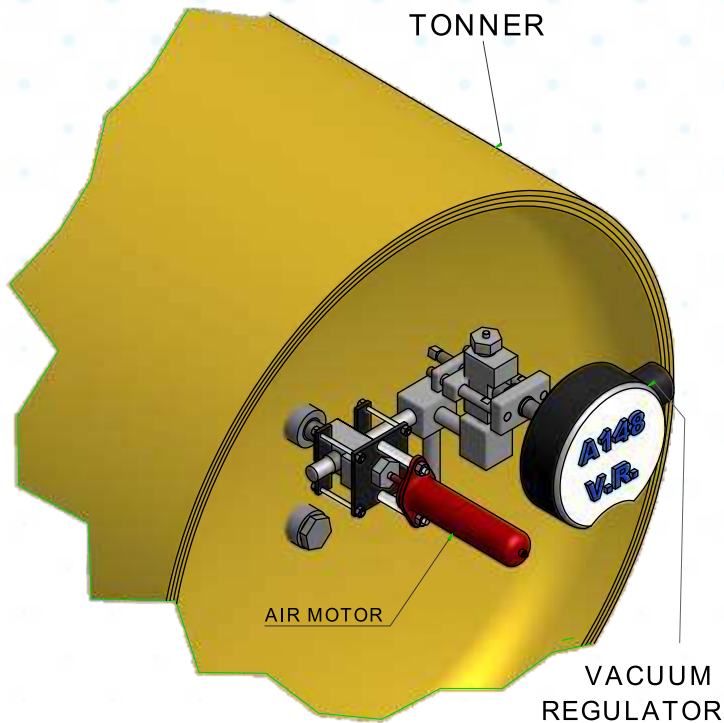
CHLORINE LEAK ABSORPTION SYSTEM

8V CLAS Supreme Technology Chlorine Leak Absorption System is customized packed column wet chlorine scrubber systems to automatically control & absorb the heavy leaks from the chlorine tonner based on the recommendations of Chlorine Institute Inc, USA, Bureau of Indian Standards, National Safety Council & alkali Manufacturer's Association of India. Our systems represent a full solution including all necessary equipment, system fans, pumps, mist eliminators, exhaust stack and instrumentation & controls

Neutralization system is designed and sized to treat the worst case chlorine release from a single one ton chlorine container & associated chlorine gas in the chlorination system. Neutralization System shall reduce the chlorine content of the air at its discharge as per the regulations.



PNEUMATIC 8V A-ESD



FEATURES

1. Stop leak at source
2. Adaptable
3. Easy to install
4. Low maintenance.
5. Automatic response
6. Fast response
7. Manual response
8. Automatically actuates on loss of electric or pneumatic signal

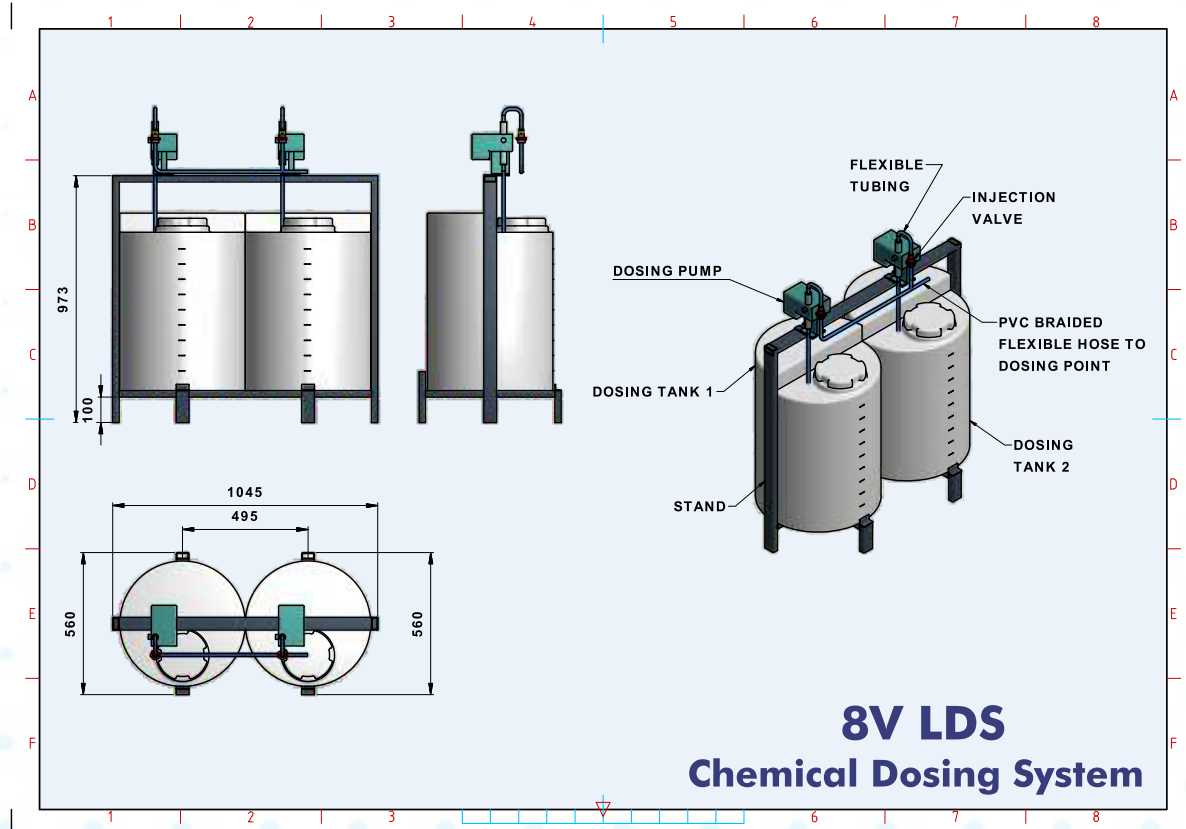
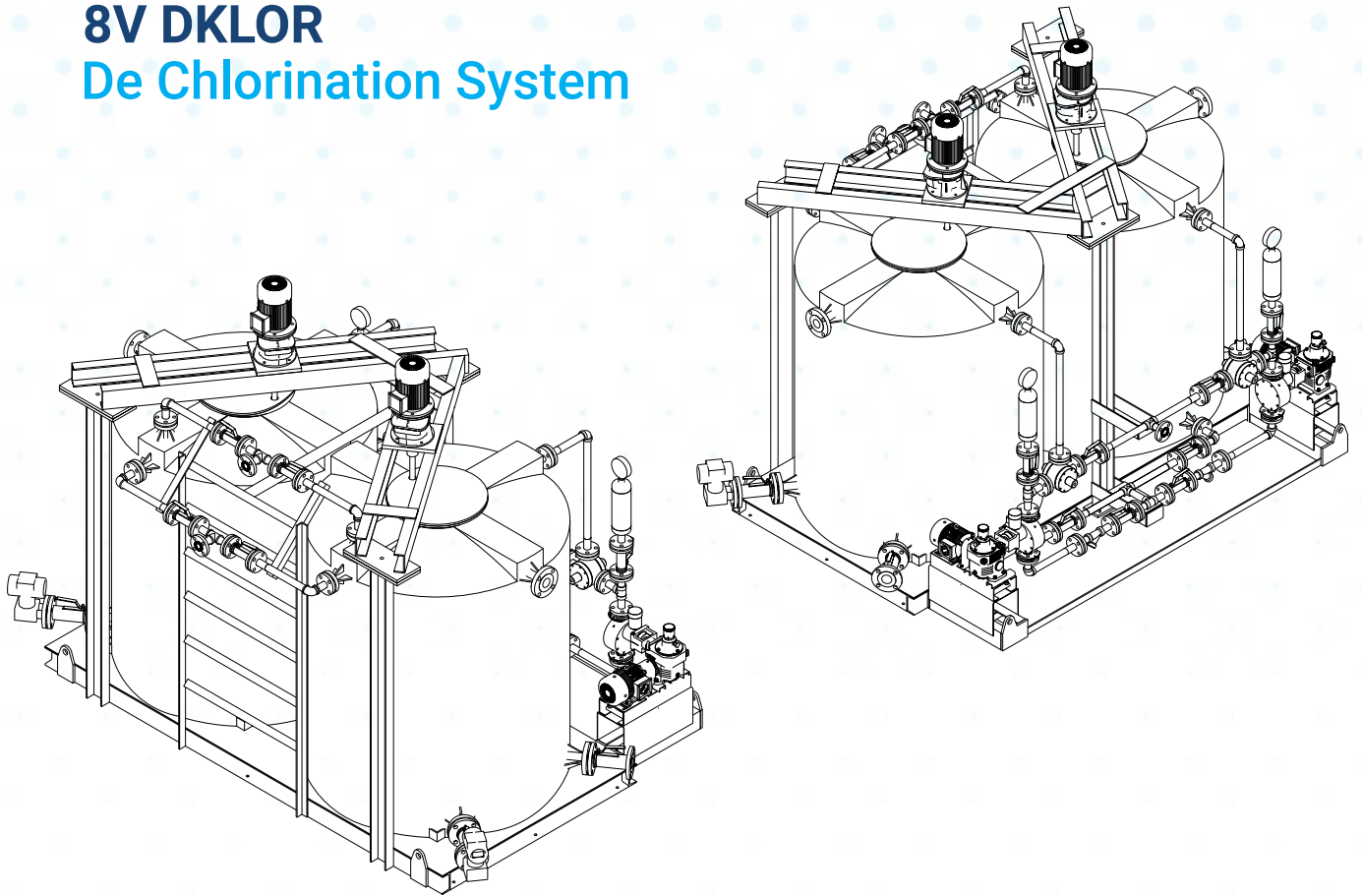
ELECTRIC 8V M-ESD



FEATURES

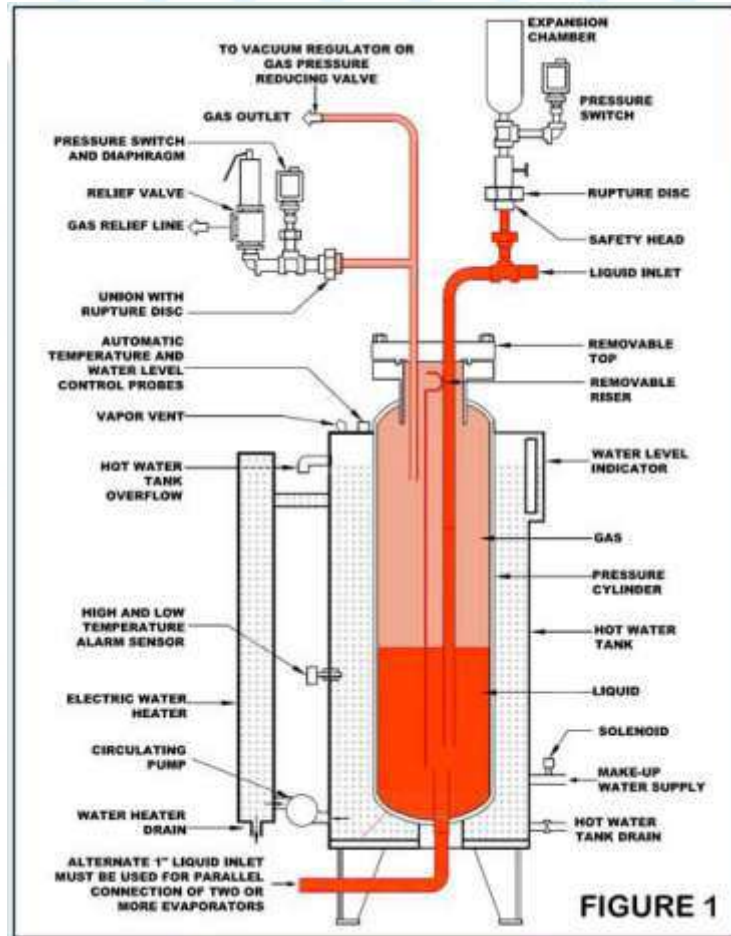
- Electric power, Battery back up
- Designed for both ton containers and gas cylinders
- Attached to valve body
- Simple “clamp on system” allows actuator attachment and detachment from the valve body in seconds
- No tools necessary, adaptable to fit any valve
- Adjustable torque to fit any valve and specific regulations and requirements
- Valve closure in less than 4 seconds

8V DKLOR De Chlorination System



KEY BENEFITS

- Reliable automatic operation
- Easy to install-shipped completely assembled
- Accurate, reliable monitoring of operating conditions
- Automatic pressure relief of gas outlet and liquid inlet included as standard



SAFETY SYSTEMS

- Gas Pressure Relief System
- Liquid Supply Pressure Relief System
- Alarm Sensors
- Cathodic Protection

Frequently an ammeter on the cabinet of the evaporator indicates the amount of protective current passing from the anodes to the evaporator cylinder.

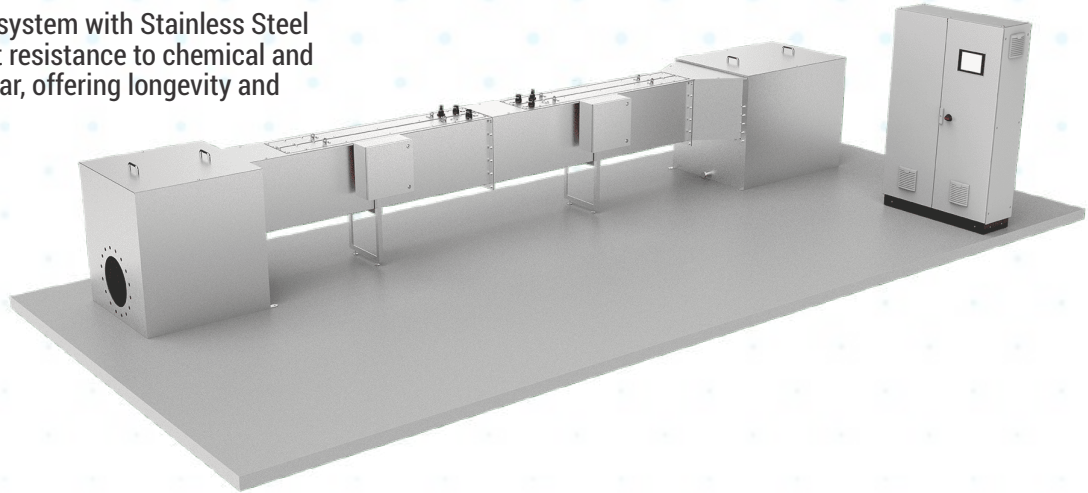
WARNING: HEAT MUST NEVER BE APPLIED TO ANY PART OF A GAS CHLORINATION SYSTEM BY ANY MEANS OTHER THAN A PROPERLY DESIGNED CHLORINE EVAPORATOR.

UV disinfection system

For Industrial Treatments

OPENLINE OLS

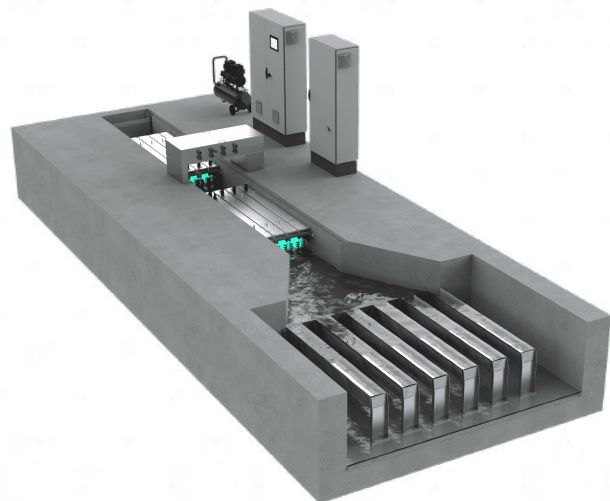
Low Pressure UV system with Stainless Steel channel, Excellent resistance to chemical and environmental wear, offering longevity and high efficiency



For Municipal Treatments

OPENLINE OLF

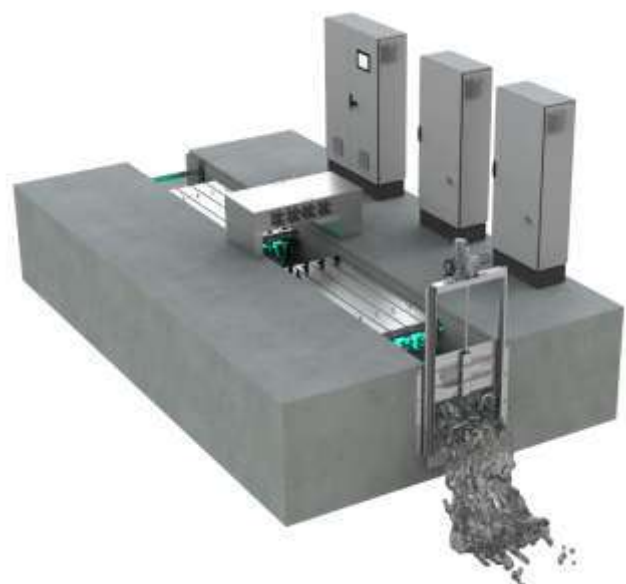
OpenLine Fixed Finger Weir product – Ensures stable water levels, optimizing UV exposure for efficient pathogen inactivation



For Wastewater Plants

OPENLINE OLP

OpenLine with Automatic level control – Allows for flow adjustments, making it versatile for fluctuating water levels



ADAMS

ARMATUREN



**Tight Shut-off,
Control and
Throttle Valves**



Nominal Diameters
50 to 4000 mm

Temperature Range
-196 °C to 950 °C

Pressure Ratings
up to 400 bar

International Standards
DIN/EN/ISO, ANSI,
API, ASME, MSS,
BS, AFNOR, GOST, etc.

Quality Assurance System
Certified to ISO 9001



Check Valves



Main Applications

Power Plants
District Heating
Gas Industry
Water / Sewage
Oil Production
Chemical
Petrochemical
Refineries
Steel and Iron
Plant Engineering
Sugar Industry
Paper and Pulp
Ship Building



**Combined
Non-return and
Tight Shut-off
Valves**



Head Office and Works
Baukauer Strasse 55
D-44653 Herne
Phone (02323) 209 0
Fax (02323) 209 267
Telex 8 229 613 adhe d
e-mail info@adams-armaturen.de
www.adams-valves.com

PRECISION CONTROL VALVES
ADDITIVE DOSING APPLICATION



FOOD PROCESSING



BIO TECHNOLOGY
LIFE SCIENCES



PHARMA



RESEARCH
PILOT PLANTS



Very Low Flow
Control Applications

Engineered valve
solutions

Liquid and gas
applications

Pressures – Full
vacuum...4136 Bar
(60000 psi)

Cv – 0.0000018...54

Temperatures –
(-) 270.....815° C

Stainless steel to
exotic materials



Instrumentation

- DP Cone Meters
- Turbine Meters (Gas & Liquid)
- Positive Displacement Meters
- Mechanical Chart Recorders
- Flow Computers
- Flow Totalizers



Ultrasonic Flow Meters (Gas & Liquid & LNG & CO2)



Experts for bulk solids measurement



INSTRUMENTATION FOR BULK MATERIAL PROCESSES

Moisture measurement
Flow rate measurement
Flow trend
Flow monitoring

Dust measurement
Particle size measurement
Level detection
Velocity measurement



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HVT 300-DX



HVT 400-DX



HVT 300-DV



HVT 300-DP



MTP 300i SIL



MTP 302i SIL



MTP 200-TE

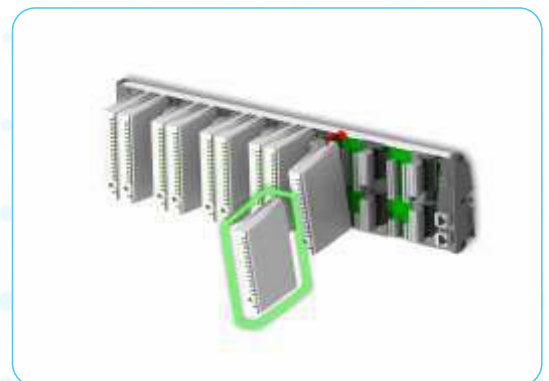
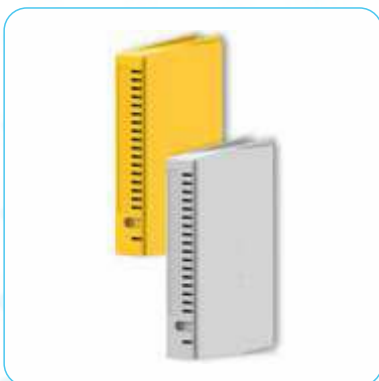


MSK 200-TE



HVD 450

Cell Voltage Monitoring HydraSafe - Cell Voltage Monitoring



DYNAguard Series

EASY MONITORING OF YOUR
BULK SOLIDS PROCESS

- Blockage alarm
- Bridging
- Flow monitoring of additives
- Empty hopper alarm
- Leakage monitoring
- Sieve overflow alert
- Cyclone monitoring
- Screen monitoring
- Level detection



DYNAguard GM

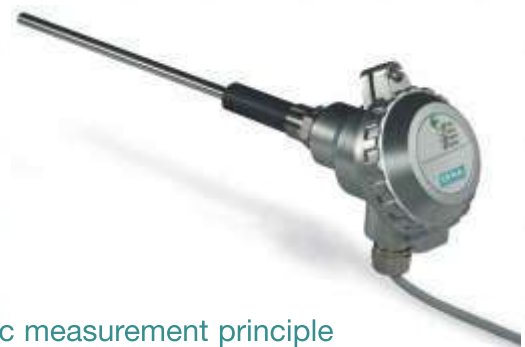
FILTER LEAK MONITOR /
DUST MONITOR



- Electrostatic measurement principle
- No influence due to build-up
- Adjustable signal attenuation
- Relay- or analogue output
- IEC Ex / ATEX Zone 2/20
- Sensor rod length up to 800 mm

DYNAguard D Eco

FILTER LEAK MONITOR /
DUST MONITOR



- Triboelectric measurement principle
- Automatic one-button calibration
- 2 x Relay output
- ATEX Zone 20/21
- Sensor rod length 250/500 mm or customized

DYNAairguard

DUST SENSOR FOR MONITORING THE AMBIENT AIR

- Continuous dust measurement of the ambient air
- Recognise dust formation immediately
- Monitor dust concentration at workplaces
- Monitor production halls
- Prevent dust explosions



DYNAmas

SOLIDS FLOWMETER

Pneumatic conveying and free fall
Non-contact measurement
Easy to integrate



DYNAscale

HIGH-PRECISION SOLIDS FLOWMETER

Very high accuracy, < 1% possible
Calibration-free
Independent from changing product properties and flow velocity
Free product flow, no moving components
Easy to integrate



DYNAmflow

SOLIDS FLOWMETER WITH MICROWAVE TECHNOLOGY

Non-Contact measurement
Compact design & easy to install
Cost-efficient measurement



DYNArad

FLOWMETER FOR HIGH MASS FLOW RATES

Free product flow – non intrusive installation
Independent from product properties and conveying conditions
Gentle non-contact measurement method
Low-wear



DYNAsize

IN-LINE PARTICLE SIZE MEASUREMENT IN REAL TIME

- Continuous process recording – Industry 4.0
- Detect screen damage, overflow, overload
- Adjust & optimise screening & grinding processes
- Continuous incoming goods inspection



DYNAmoist

IN-LINE MOISTURE MEASUREMENT

- Real-time measurement of product moisture
- No laboratory samples necessary
- High-precision measurement results
- Easy integration
- Robust design
- Intuitive parameterisation software



DYNAvel

FOR THE DETERMINATION OF SOLIDS VELOCITY

- Avoid degradation of sensitive bulk material
- Energy savings through optimised air flow rate





- + Smart Valve Positioner
- + Electro-Pneumatic Positioner
- + Pneumatic-Pneumatic Positioner
- + Volume Booster
- + Lock Up Valve
- + Snap Acting Relay
- + Air Filter Regulator
- + Limit Switch Box
- + Valve Position Transmitter

CONTROL VALVE ACCESSORIES

+ Smart Valve Positioner



TS800



TS805

+ Smart Valve Positioner
with Non-contact sensor
and Advances diagnostics



TS900



TS905



TS700

+ Electro-Pneumatic Positioner



TS600L



TS600R

+ Pneumatic-Pneumatic Positioner



TS610L



TS610R

+ Volume Booster



TS100



TS110



TS120

+ Lock Up Valve



TS200S TS200D



TS205S TS205D



TS210S TS210D

+ Snap Acting Relay



TS250S TS250D



TS260S TS260D

+ Air Filter Regulator



TS300



TS310



TS305

+ Limit Switch Box



TS400



TS410



TS415

+ Smart Position Transmitter



TS500



TS510



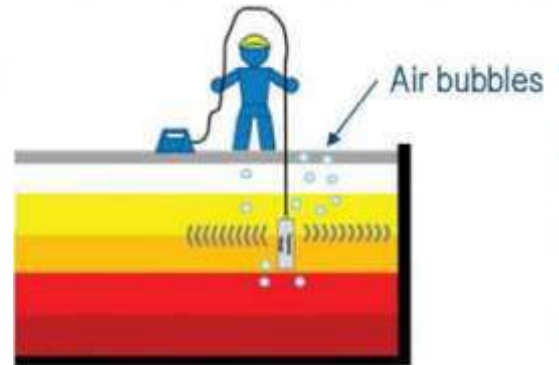
TS515

+ Brackets

CONCRETE VIBRATOR

An internal concrete vibrator causes a violent agitation of particles in the concrete mix. This eliminates the friction between the particles which enabled the concrete to support itself in a honeycombed condition. The concrete mix now becomes unstable and starts to flow under the simultaneous effect of vibration and gravity.

An internal concrete vibrator causes a violent agitation of particles in the concrete mix. This eliminates the friction between the particles which enabled the concrete to support itself in a honeycombed condition. The concrete mix now becomes unstable and starts to flow under the simultaneous effect of vibration and gravity.



By inserting the vibrator head into the concrete, it turns the concrete into a liquid state, allowing the air bubbles to float to the surface. The removal of these air bubbles strengthens the concrete.



HYDRAULIC VIBRATORS

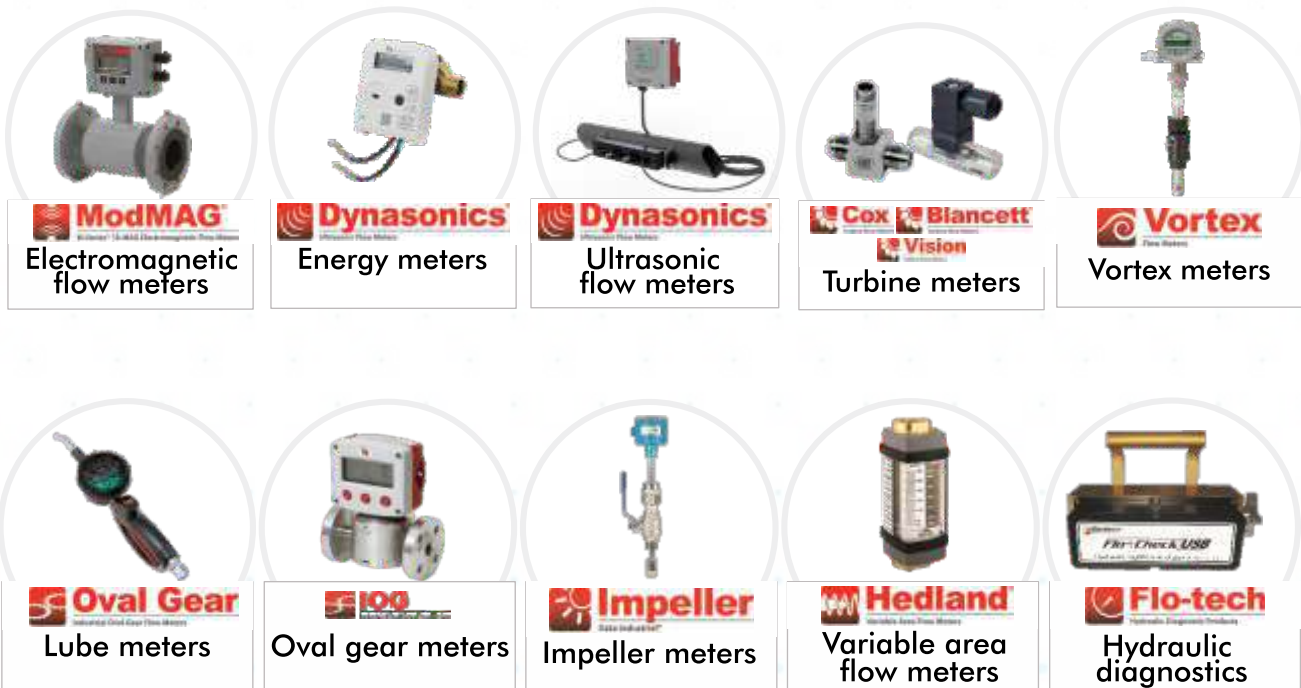
- Designed to be reliable and extremely rugged for the harsh field use these units undergo. Wyco® units have various mounting styles to fit on any OEM's paving or curb and gutter machine.
- Available in 2,500# rotor size with a 4.8 to 20 ft hose.
- Directs vibration to the mix and not to the paving machine with its single isolator design.
- Cleans up faster.
- Features a powerful rotor for performance - based concrete mixes.



WE SERVE YOU IN THESE INDUSTRIES



Badger Meter has the widest range of flow technologies for many markets but our target markets are those that have the highest growth and total market value. Badger Meter has the right products to serve these large and growing markets: Utility Water, Sustainability/HVAC, Chemical/Petrochemical, Oil and Gas.






Every drop counts.


SUPREME TECHNOLOGY

Ardour for Excellence

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Navi Mumbai-400710, Maharashtra, India.

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