

# VERITO ENGINEERING

[www.veritoengineering.com](http://www.veritoengineering.com)



**Trustworthy Chemical  
Process Mart**

# About Us



Verito Engineering Pvt. Ltd. is an ISO 9001 : 2015 certified company engaged in designed & manufacturing of chemical dosing pumps, progressive cavity screw pump, high pressure triplex plunger pump, agitator/mixer and skid mounted packages/chemical dosing systems at Ahmedabad. The product manufactured by us are specially used in Water Treatment Plants (ETP, RO, STP, WTP) Oil & Gas Industries, Pharmaceuticals Industries, Power Industries, Chemicals & Fertilizers Industries, Paper Industries, Petrochemicals Industries, Food & Beverages Industries for dosing of different chemicals.

We have experienced process Engineering experts who have developed our own standards to achieve the best quality at most competitive prices. The 'Verito' is a brand name of the next generation, world class Chemical Process Mart. Our aim is to provide 100% reliable and quality product which will work consistently with highest satisfaction . Our commitment & ethics are our proud identities and base of our business.

The company has very strong performance track record of our equipments. We are regularly supplying to L&T, Alfa Laval, Ion Exchange, Shapoorji Pallonji, Thermax, Nalco, Arvind, Reliance, CHEMIC-TECH, Mazda, JSW, Suez Water, Chembond Chemicals, Aditya Birla, Tokyo Cement, Amul Dairy, NR Agarwal, GACL, Coca Cola, GFCL, Tamilnadu, Petro Products, Unittop Aquacare, Qatar Fertiliser Company, Saudi Marjan Industries Jeddah KSA, Sustainable Reliable Solutions UAE.

# Our Network

## Global Installations

- Malta
- Europe
- Dubai
- Malasiya
- Nigeria
- Africa
- UAE
- Bangladesh
- Qatar
- Srilanka
- Taiwan
- Ethiopia
- Russia
- UK

### Applications:



Oil & Gas



Pharmaceuticals



Power



Chemicals & Fertilizers



Paper Industries



Water, Waste Water, Sewage

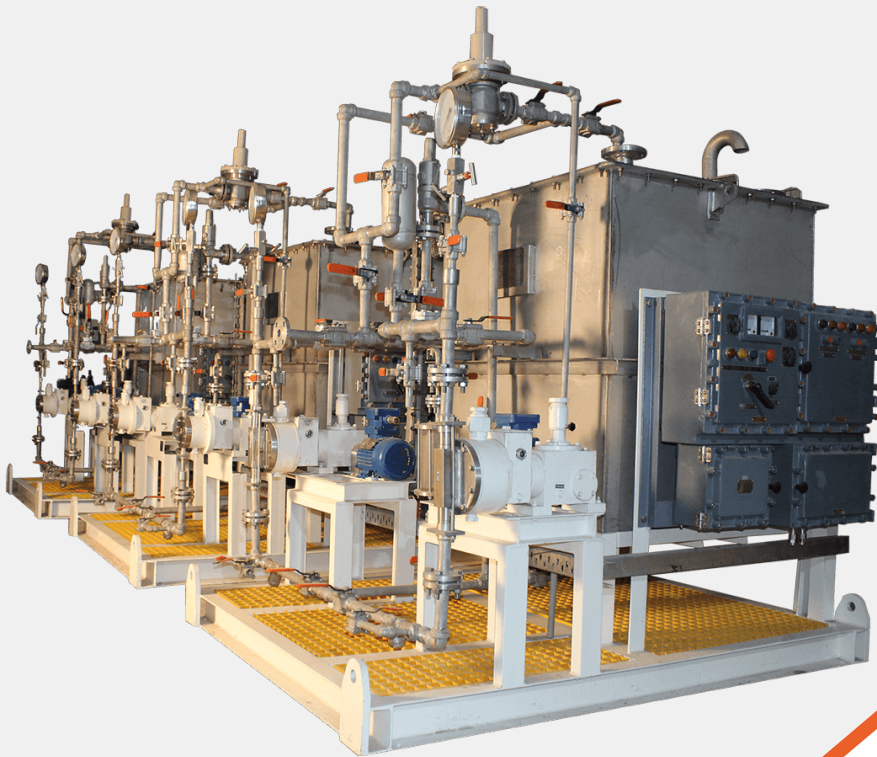


Petrochemicals



Food & Beverages

# Skid Mounted Injection Packages / Chemical Dosing Systems



**Additive Injection Package For Jet Fuel System - Supplied to Europe**

**Automatic Polyelectrolite Dosing System - Supplied to Africa**



## Applications:



Oil & Gas



Pharmaceuticals



Power



Chemicals & Fertilizers



Paper Industries



Water, Waste Water, Sewage



Petrochemicals



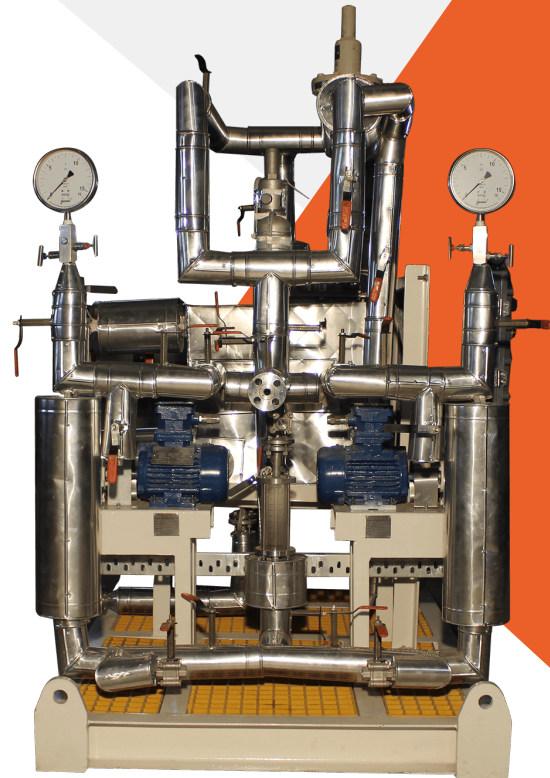
Food & Beverages



## LP/HP Dosing System

## Stadis Injection Package

- Heat tracing with rockwool insulation cladding.
- Friendly to operate in European atmosphere.



### Applications:



Oil & Gas



Pharmaceuticals



Power



Chemicals &  
Fertilizers



Paper Industries



Water, Waste  
Water, Sewage



Petrochemicals



Food & Beverages



## Multiple Chemical Dosing Systems under the one Roof

System House Of

- Ferric Chloride Dosing System
- Poly-electrolyte Dosing System
- PAC Dosing System



### Applications:



Oil & Gas



Pharmaceuticals



Power



Chemicals & Fertilizers



Paper Industries



Water, Waste Water, Sewage



Petrochemicals



Food & Beverages

## Octain Booster Injection Package



## Lime Dosing System



### Applications:



Oil & Gas



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Food & Beverages

# Mechanically Actuated Diaphragm Pump

**Type :** Mechanically Actuated Diaphragm Pump

**Flow rate :** Flow rate - 0 to 300 LPH

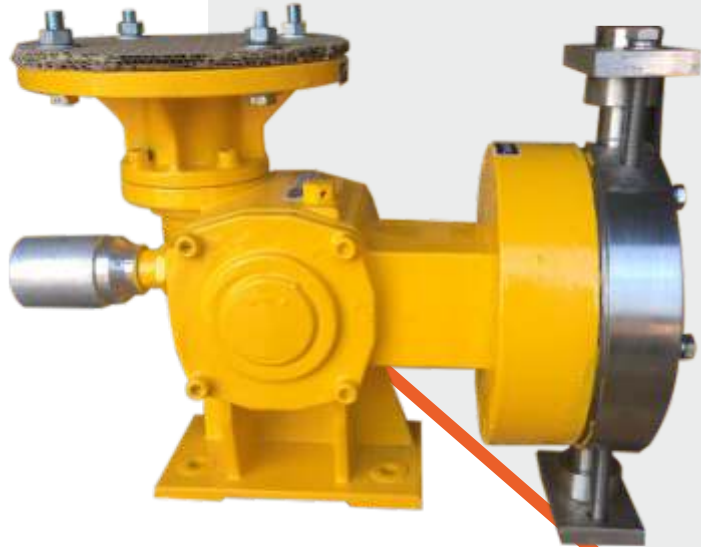
**Pressure Range :** Up to 8 kg/cm<sup>2</sup>

## Features :

- Light Weight and compact size
- Flow variation possible
- Chemical compatible MOC
- Zero leakage Metering Pump
- Poly Tetra Fluoro Ethylene Diaphragm for longer life
- Optimum power consumption pp p
- High Metering Accuracy
- Economical Dosing solution

## Material Of Construction Of Wetted Parts

SS304, SS316, Hastalloy, Alloy20, PP, PVC, PTFE



## Capacity

No.	Pump Model	Capacity (L.P.H.)	Max Pressure
1.	VMD-01	100	8
2.	VMD-02	200	8
3.	VMD-03	300	8

## Applications:



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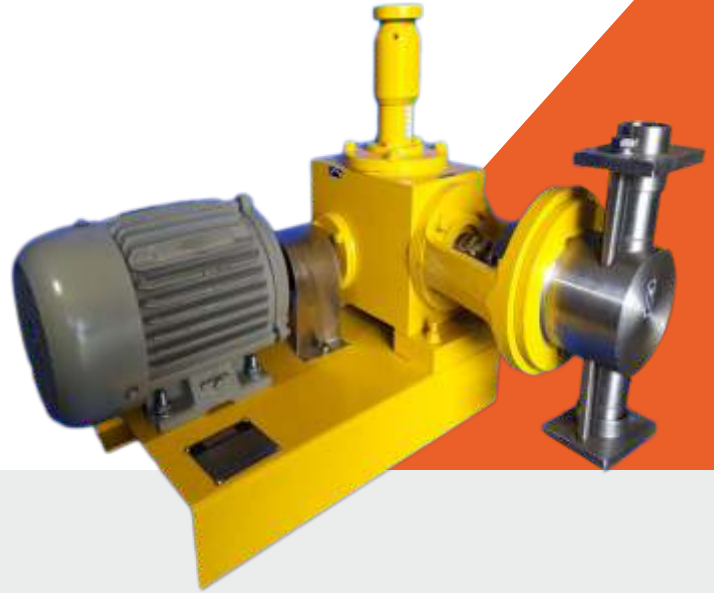


# Standard of API - 675 Plunger Pump

**Type:** Plunger Metering Pump

**Flow Rate:** Flow rate - 0 to 7000 LPH,  
Higher capacity can be achieved by multiplexing head.

**Pressure Range:** Stainless steel head  
standard pressure up to 400 kg/cm<sup>2</sup>.  
Special head up to 1000kg/cm<sup>2</sup>.



## Features

- Heavy duty construction designed for several industrial environment.
- High volumetric efficiency.
- High metering accuracy.
- Automatic capacity control via pneumatic or electric signal on demand or through VFD.
- Low investment cost.
- Internal worm reduction gear.
- Oil bath lubrication for long life.
- Micrometric stroke adjustment while pump running or stopped.
- It requires low NPSH.
- Steady state metering accuracy (+ - 1%) of pump output.
- Simple & multiplex arrangement of pumps.

## Material of Construction Offered:

SS 316, SS 316L, SS 304 Haste alloy,  
Alloy-20 or any other machinable material.

## Technical specification:

No.	Pump Model	Capacity (L.P.H.)	Max Pressure
1.	VPL-01	0 to 152	80 BAR
2.	VPL-02	0 to 761	99 BAR
3.	VPL-03	3 to 3000	230 BAR
4.	VPL-04	0 to 7000	400 BAR



## Customize Trolley Mounted Plunger Type Metering Pump

## Applications:



Oil & Gas



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Fertilizers



Paper Industries



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Water, Sewage



Petrochemicals



Food & Beverages

# PH Booster

Auto pH Booster for RO is a rigorous blend of alkalinity builder, softening agent and synthetic organic sludge conditioner. It counteracts the fall in pH in the permeate water due to removal of salts. It is highly compatible and ready to use composition for portable applications.

We offer premium quality pH booster for use in RO system. It is uniquely formulated, multi functional Liquid, manufactured specifically for low hardness softness water and demineralized water.

## Product Features

- Eco- friendly
- Highly efficient
- Highly effective
- Fast results
- Biodegradable
- Cost competitive
- Auto Dosing through dosing pump
- Digital display for PH transmitter/PID controller and Dosing pump
- Chemical compatibility for sensing probe



## Specification:

Range	0 to 14.00 pH
Resolution	0.01 pH
Accuracy	0.02 pH
Operating Temp.	14 to 70° c
Power Supply	230V

## Applications:



Oil & Gas



Pharmaceuticals



Power



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Standard of API - 675

# Hydraulically Operated Diaphragm Pump

**Type:** Hydraulic Diaphragm Type Metering Pump.

**Flow Rate:** 0 to 7,000 litres per hour.

Higher capacity can be achieved by multiplexing head.

**Pressure Range:** Stainless steel head standard pressure up to 200 kg/cm<sup>2</sup>. Special head up to 1000kg/cm<sup>2</sup>.

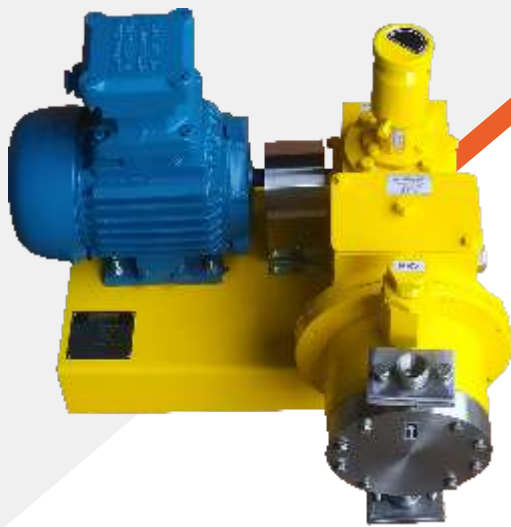
## Features

- Leak free design.
- All moving parts including plunger is running in oil.
- Diaphragm rupture detection system available.
- High metering accuracy.
- In built pressure relief valve in hydraulic circuit.
- Diaphragm life more than 20000 working hours.
- Automatic capacity control via pneumatic or electric signal on demand.

## Material Of Construction Of Wetted Parts

SS 316, SS 316L, SS 304, Hastelloy, PP,PTFE(Teflon), PVS, Alloy-20 or other machinable Material

**Automatic Flow Variation through Electrical Actuator**



## Types Of Head:

- 1) Simplex Hydraulic Diaphragm Pumps
- 2) Double Hydraulic Diaphragm Pumps
- 3) Duplex Hydraulic Diaphragm Pumps

## Technical specification:

No.	Model	Capacity (L.P.H.)	Max Pressure
1.	VHYD - 01	0 to 152	45 BAR
2.	VHYD - 02	0 to 761	45 BAR
3.	VHYD - 03	0 to 3000	45 BAR
4.	VHYD - 04	0 to 6000	45 BAR

**Temperature Range : Up To 250° C**

## Applications:



Oil & Gas



Pharmaceuticals



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# Electronic Dosing Pump

It is a positive displacement diaphragm metering pump operating at 230V, 50 Hz supply. It is base mountable. Solenoid pushes the diaphragm which in turn pushes the liquid into the system. Solenoid is actuated by a solid state electronic circuit.

It has controls for the desire accuracy of the dosing.

## Diaphragm:

Superior diaphragm is designed to ensure to long life even under the most demanding applications. We are using imported quality Solid PTFE diaphragm.

## Electronic Circuit:

State of the art electronic circuit (protectively coated with epoxy) is virtually unaffected by temperature, magnetic fields& other electric disturbances.

## MOC:

- PP, PVDF, PTFE & SS316, Alloy20



## Applications:



Oil & Gas



Pharmaceuticals



Power



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# Electronic Dosing Pump



## Salient features:

- Maintenance free
- Easy to operate
- Economical
- World class next generation Dosing Pumps
- Inbuilt Air Relief Valve
- Solid PTFE Diaphragm
- Double NRV Check Valves
- Less noise
- Minimum SPM
- Optionally Digital display of SPM available
- Optional Auto dosing - 4 to 20

## Solenoid:

High quality, hot rated solenoid is designed to dissipate heat. Capacities & pressure do not derate even over extended use.

## Technical specification:

1. Power Supply	230v AC, 50Hz
2. Power consumption at max. speed	40 Watt
3. Fuse	500mA / 230v Ac
4. Pump stroke per minute {adjustable}	120 Max
5. Negative Suction	1 Mtr
6. environment temperature	40°C Max
7. Capacity Max	50 Lph
8. Pressure Max	17 Kg.



## Applications:



Oil & Gas



Pharmaceuticals



Power



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# Agitator / Mixer

These mixer agitators are comes in several specifications as per the need of our customers. The offered mixer agitators are tested from our end in order to deliver a defect free range to customer's end. Our mixer agitators are developed with quality material under the direction of skilled professionals.

We ensure the highest quality & performance of our Agitators. At the same time we have a very strong performance track record of supplying various types of agitators for various applications.

We do all material tests such as UT, PMI, Chemical, Mechanical test, DP Test & blasting of MS/CI bracket for each and every agitator.

Further wa conduct tests for every agitator and we check following parameters while testing the agitators

- Run Trail
- Noise
- Vibration
- RPM
- Current
- Run Out
- DFT
- Dimensions
- Dynamic & Static
- Balancing

Further we have an experienced and expert design & Engineering team who is completely aware about the it's design. Team always does all the calculations and design agitators which will be completely suitable for that particular application.

## Features

- Compact design
- Easy to install
- Dimensionally accurate

## Material Of Construcation Of Wetted Parts

SS 316, SS 316L, SS 304, Haste alloy, MS + PVC, MSEP, MS + FR, MS + PTFE, MS + pp Alloy-20 or other machinable Material

## Applications:



Oil & Gas



Pharmaceuticals



Power



Chemicals & Fertilizers



Paper Industries



Water, Waste Water, Sewage



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Food & Beverages

# Agitator / Mixer

## Types :

- Turbine
- Hydrofoil
- Propeller
- Paddle
- Flocculator
- Anchor
- Rusthon Turbine
- Trapecoidal
- Dispersion Turbine
- S Curve Blade Turbine
- ZETA Impeller
- Sigma Impeller
- Alpha Impeller

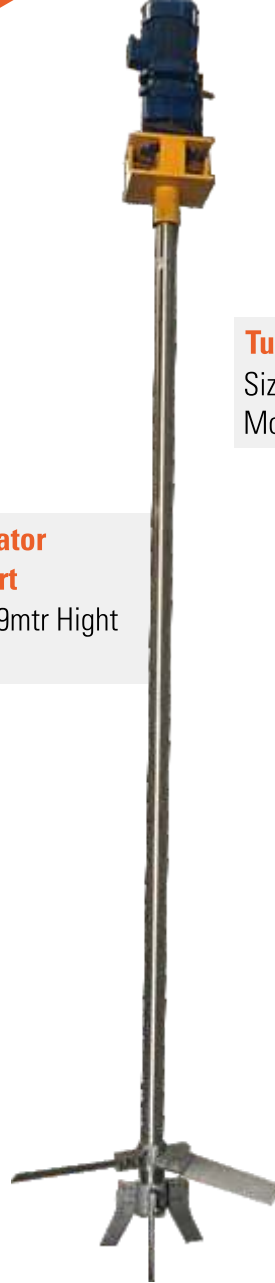


### Paddle Type Flocculator

Size - 125mm Dia x 5.5mtr Hight  
Moc - SS-316

### Propeller Type Agitator With Bottom Support

Size - 130mm Dia x 5.9mtr Hight  
Moc - SS-316



### Turbine Type Agitator

Size - 150mm Dia x 7.3mtr Hight  
Moc - MSRL



## Applications:



Oil & Gas



Pharmaceuticals



Power



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Fertilizers



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Water, Waste  
Water, Sewage



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Food & Beverages

Standard of API 676

# Progressive Cavity Screw Pump

Latest & modified designed of Progressive cavity screw pump to handle viscous, Non-viscous, abrasive & N-abrasive slurry / media for filter, dosing & transfer application.

## Typical Applications

Loading & Unloading, Transfer, polymer Feed, Dewatering, Sludge Transfer, Chemical Feed, Centrifuge Charging, Filter - Press Charging, Kiln Charging & Drainage, Meeting, Pit Emptying, Metering.

## Typical Industries

Water treatments plants, Oil & Gas, Chemical, Food process & Production, Petrochemical Process, Sewage Treatment Plants.

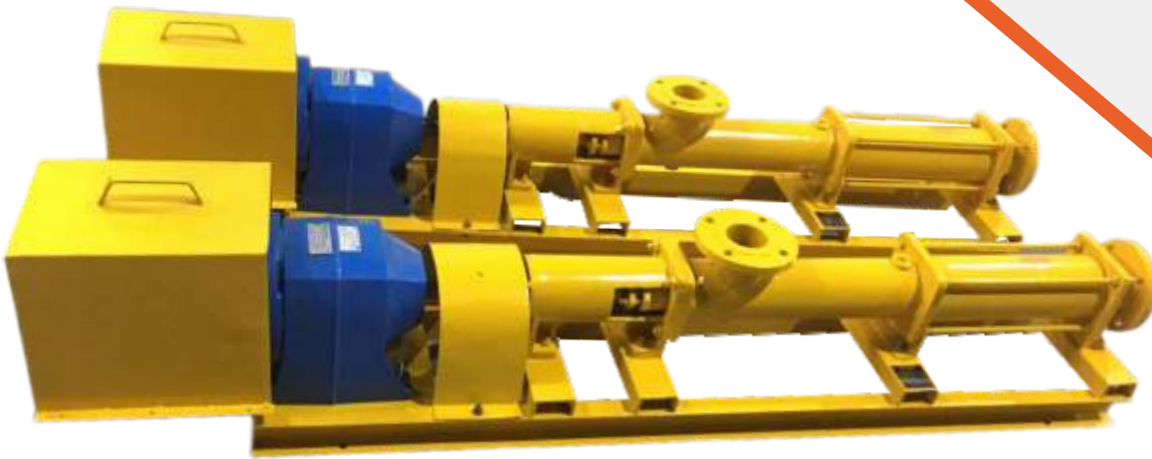
## Maximum performance data

Capacity : upto 100000 lph

Diff. Pressure : upto 6 Kg/cm<sup>2</sup>

## Operating parameters

Viscosity : 1 to 100000 cSt  
Fluid Temperature 120°C



## Applications:



Oil & Gas



Pharmaceuticals



Power



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Water, Waste Water, Sewage



Petrochemicals



Food & Beverages



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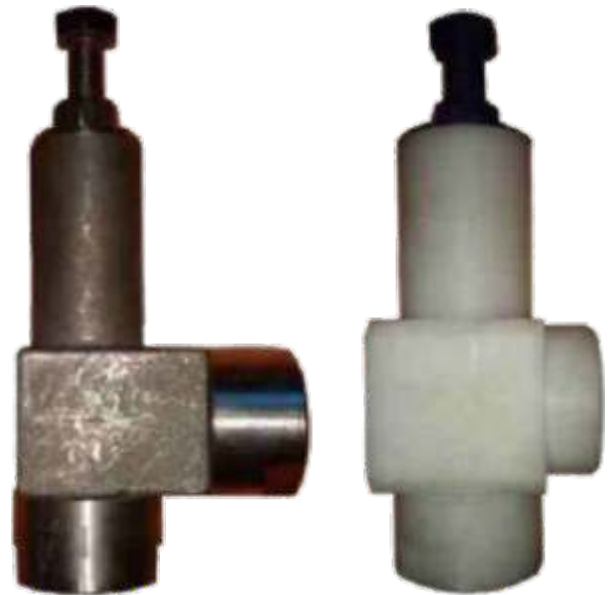
**Use :** To Reduce Pulsation

**Material of construction :** SS 304, SS316, PP, MS + PTFE, MS+ EP, PTFE, PVC

**Capacity :** Up to 13 ltr.

**Type :** Volume bottle

**End connection :** Screwed, Flanged



## Pressure Safety Valve:

**Use :** For Safety of pump and pipe line damage due to excess pressure

**Material of construction :** SSn 304, SS316, PP, PTFE

**Type :** Spring Loaded

**End connection :** Screwed Flanged

### Applications:



Oil & Gas



Pharmaceuticals



Power



Chemicals & Fertilizers



Paper Industries



Water, Waste Water, Sewage



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Food & Beverages

# Strainer



**Use :** Y type Strainers protect your fluid handling systems against damage that that can occur to valves, traps, pumps diaphragm & other equipment when foreign matter such as dirt scale or welding particles travel through the pipeline.

**Material of construction :** SS 304, SS316, PP, MS+PTFE

**Size :** ½" to 6"

**Type :** "Y" types

**End connection :** Up to 1½" Screwed end above 2" Flanged end.

## Anti-Siphoning Valves

- Use :**
- 1) Anti-Siphon valves allow water to flow only in one direction.
  - 2) In metering pumps require back pressure outputs in both low pressure or open discharge applications.
  - 3) Siphoning of chemical can occur when the discharge point is downhill or operating at negative system pressures. Anti-Siphon protections allows accurate pump operation in these conditons.
  - 4) Inject of fluid in to pressurised line.

**Material of construction :** SS304, SS316, PP, PTFE, PVC

**End connection :** Screwed, Flanged

**Applications:**



Oil & Gas



Pharmaceuticals



Power



Chemicals & Fertilizers



Paper Industries



Water, Waste Water, Sewage

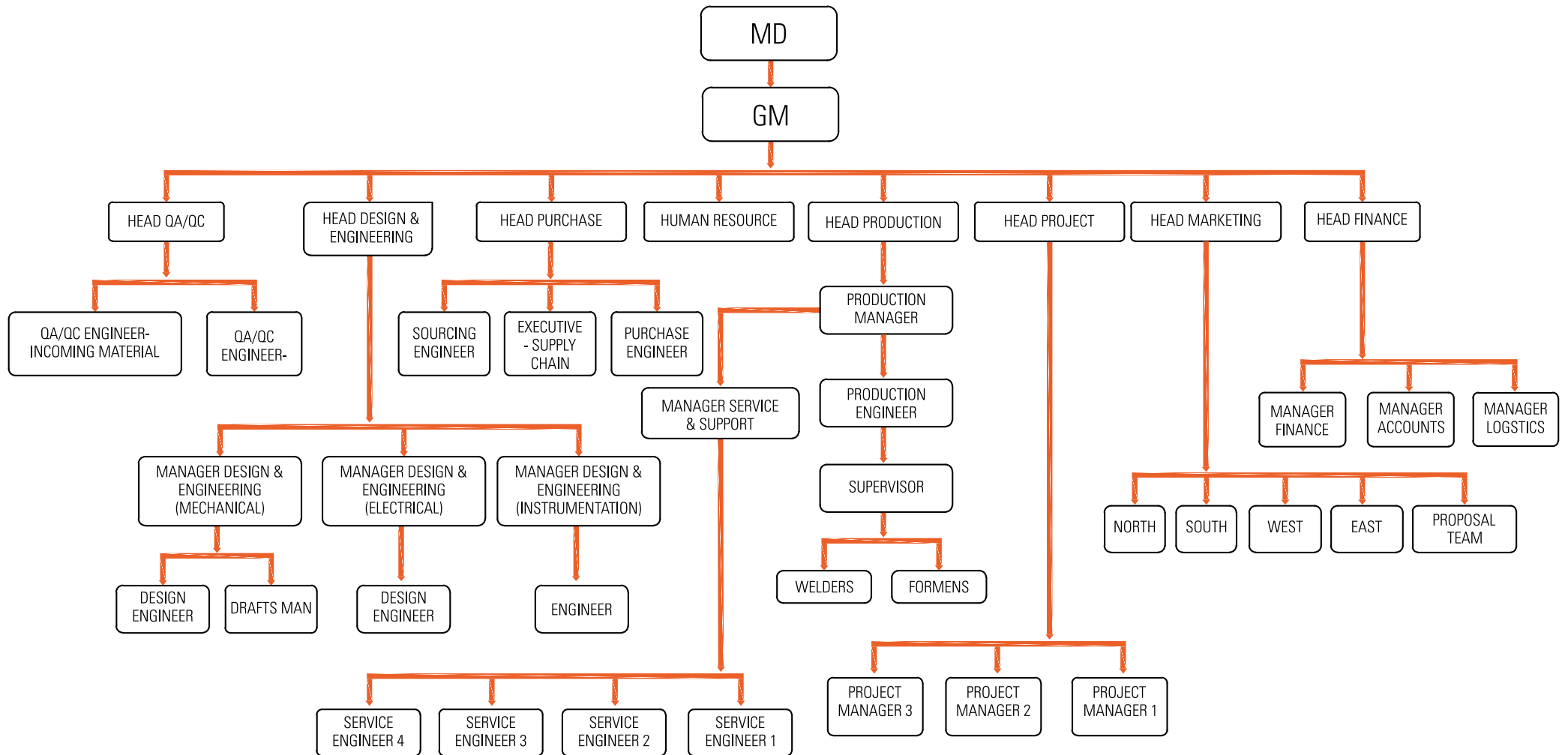


Petrochemicals



Food & Beverages

# ORGANISATION CHART



# MANUFACTURING FACILITY DETAIL

Sr. NO.	Machine/Equipment/Facility Deatils	Capacity	Qty (Nos)
1	LATHE MACHINE	4 FEET	2
2	LATHE MACHINE	8 FEET	2
3	LATHE MACHINE	12 FEET	2
4	DRILL MACHINEVERTCAL	UPTO 30 MM	2
5	DRILL MACHINE RADIAL	UPTO 30 MM	1
6	WELDING MACHINE TIG WELDING	200 A	2
7	WELDING MACHINE TIG WELDING	300 A	2
8	WELDING MACHINE TIG WELDING	400 A	4
9	WELDING MACHINE TIG WELDING	600 A	1
10	CHOP SAW CUTTER	STD	2
11	GRINDING MACHINE	4"	3
12	GRINDING MACHINE	6"	3
13	ELECTRONIC TEST BED	10 PUMPS	4
14	MOTORISED TEST BED	10 PUMPS	2
15	AIR COMPRESSER	2HP	1
16	HAND DRILLMACHINE	STANDARD	2
17	EOT CRANE	10 TONS	1
18	PLASMA MACHINE		1

• CHEMICAL DOSING PUMPS • SCREW PUMPS • AGITATOR • CHEMICAL DOSING SYSTEM

# INSPECTION & TEST FACILITY DETAILS

Sr. NO.	Instrument/Equipment Details	Capacity
1	VIBRATION METER	02 NOS
2	SOUND LEVEL METER (DB MASTER)	03 NOS
3	RPM METER	01 NO
4	TONG TESTER	01 NO
5	DIAL GAUGE	04 NOS
6	TEMPERATURE INDICATOR	01 NO
7	DFT METER	01 NO
8	DIGITAL VERNIER CALIPER 0-300 MM	01 NO
9	VERNIER CALIPER 0-600 MM	01 NO
10	VERNIER CALIPER 0-300 MM	01 NO
11	VERNIER CALIPER 0-200 MM	01 NO
12	MEASURING SCALE	02 NOS
13	MEASURING TAPE 3 MTR	01 NO
14	MEASURING TAPE 5 MTR	01 NO
15	MEASURING TAPE 15 MTR	01 NO
16	MEASURING BEAKER 10 LTR	01 NO
17	MEASURING BEAKER 5 LTR	01 NO
18	MEASURING BEAKER 2 LTR	01 NO
19	MEASURING BEAKER 1 LTR	01 NO
20	MEASURING BEAKER 0.5 LTR	01 NO
21	PMI MACHINE	01 NO
22	MEGER	01 NO
23	HV-IR TESTER	01 NO
24	BORE GAUGE	01 NO

• CHEMICAL DOSING PUMPS • SCREW PUMPS • AGITATOR • CHEMICAL DOSING SYSTEM

# Relax! Once you order to Verito!!!

- 1) Experience Process Engineering Experts
- 2) World Class Products
- 3) High Tech Performance
- 4) Advance Testing Procedure
- 5) Attractive Aesthetic Look
- 6) Very Competitive Pricing
- 7) The Shortest Delivery Period
- 8) Prompt Responses By Team Verito
- 9) Strong Technical Support
- 10) Unconditional Services
- 11) Time Bound Service At Site.
- 12) We Value The Relation More Than Business.

*Finally Verito - A name of satisfaction*

## We Serve

- Kazakhstan
- Russia
- Egypt
- Iraq
- Nigeria
- Kuwait
- Abu Dhabi
- India
- Sri Lanka
- Nepal
- Bhutan
- Bangladesh
- Myanmar
- Malaysia
- Iran
- Pakistan
- Thailand
- Ethiopia
- Colombia
- Chile
- Kenya
- South Africa
- Indonesia

# VERITO ENGINEERING

**Verito Engineering Private Limited**  
**ISO 9001:2015 Certified Company**



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