



FRACTIONAL DISTILLATION

Environment Friendly Engineering Solution Company



In Association with SVCH-Technologii, Moscow (Russia)

www.kerone.com

ISO 9001-2008 | ISO 9001-2015 | EMS 14001 | OHSAS 18001

About Kerone

KERONE now renowned name in serving specialized need of customers with best quality and economical process Heating /cooling and drying products, manufactured in high quality environment by well trained and qualified workforce(special purpose machineries) .

KERONE is pioneer in application and implementation engineering with its vast experience and team of professionals. KERONE is devoted to serve the industry to optimize their operations both economically and environmentally with its specialized heating and drying solutions.

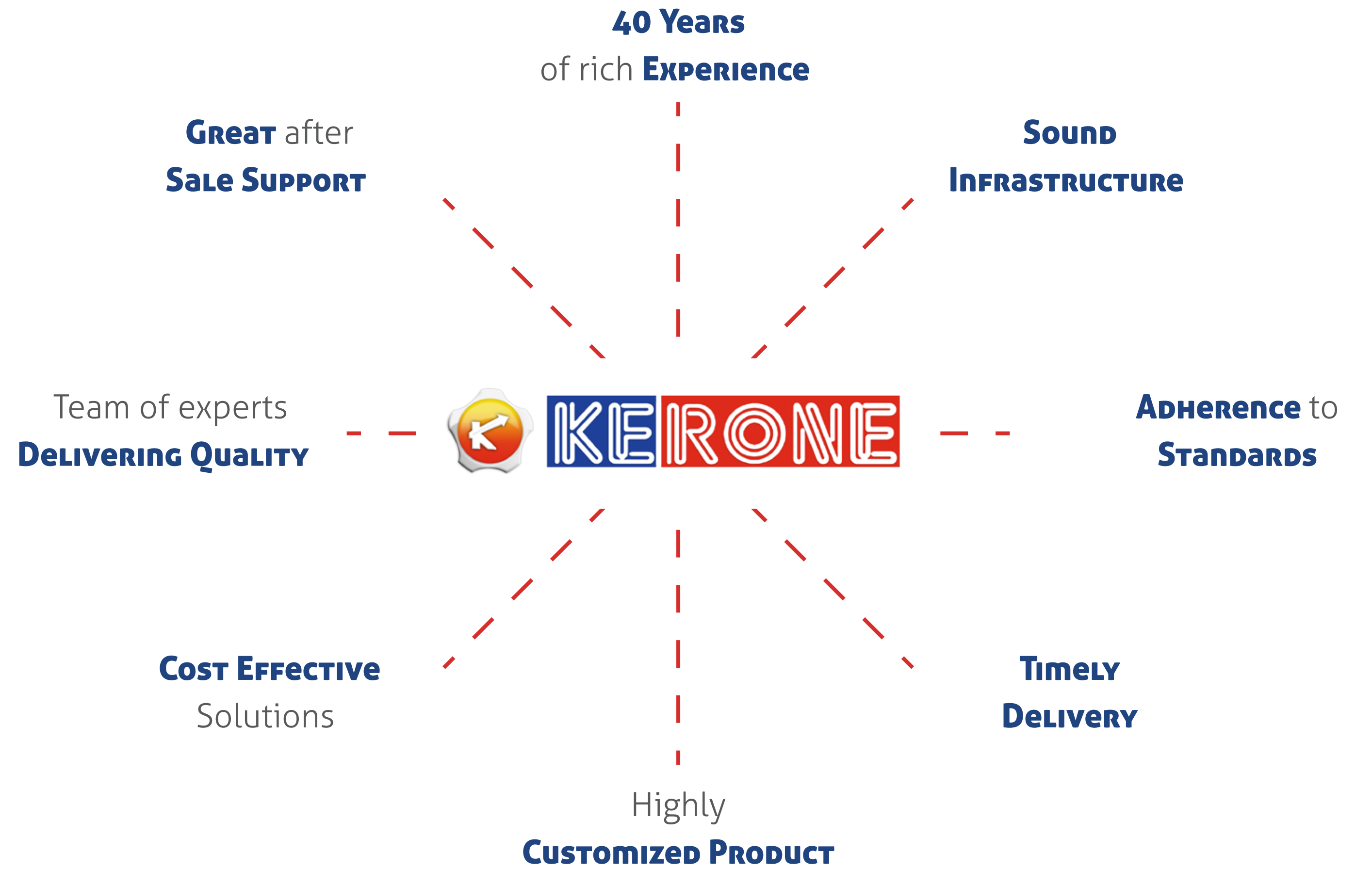
“Enhance the value of customer operation through our customer need centric engineering solution”

Mission

- To enhance the value of customer operation through our customer need centric engineering solution.
- We are committed to provide our customers, unique and best in class products in Industrial heating, drying and cooling segment, with strategic tie-up for the technical know-how with renowned leader in the industry specific segment.

Vision

- Turn into world leader in providing specialized, top-notch quality and ecological industrial heating, cooling and drying solution across the globe.
- To attain global recognition as best of quality and environment friendly engineering solution company.



Introduction to Fractional Distillation

Expensive and high-grade products / solvents are not produced in large quantities, as they are typical for pharmaceutical industry & also for fine/special chemical areas. Small, flexible facilities are necessary for these applications, which can be easily cleaned and quickly adjusted for the next product.

They need corrosion resistant materials that do not interact with the product and do not contaminate it. In addition, it is frequent that only limited space is available for the assembly of the facility, and therefore compact design is preferred.

Types of Fractional Distillation Operations

- Simple Distillation
- Vacuum / High Vacuum Distillation.
- Fractional Distillation.
- Azeotropic Distillation

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Product Range

- Distillation Capacity – 10 L to 500 L.
- Temperature -90 to + 300 Deg. C.
- Design up to 10 kg/cm² Pressure to Full vacuum.
- MOC – SS-304, SS-316, Or any other user specific requirement.
- Operating RPM of Agitator 0 -300 RPM.
- Aagitator can be easily changed with atleast 9-10 types of agitators.

Instrumentation Provided

- Temperature scanner for the temperatures of Vapor, Utility Inlet & Outlet.
- Temperature Control loop with control valve on utility side & profile temperature controller in flameproof construction.
- Pressure control loop with Pressure transmitter & Pressure controller in flameproof construction.
- Compound gauges on reactor, receivers, vacuum manifold.
- VFD with local flameproof panel to operate remotely.
- SCADA system to monitor & record the data

Features

- Reactor of respective size with Mechanical seal, suitable agitator, Motor, Gear Box, Bottom valve & Cladded insulation.
- Column with Collector & Distributor of suitable MOC.
- Main & Vent condenser with product cooler.
- Reflux – Forced / Gravity whichever is suitable.
- Rotameters, Temp. sensors with scanner, Pressure / Vacuum Gauges.
- Distillate & reflux lines within skid.
- Vacuum manifold & vacuum lines within skid.
- All valves within skid for process, vacuum & utility lines.
- VFD with Local flameproof panel for speed variation.
- Reactor base lowering system with either hydraulic or manual operation.
- SCADA System.

3D View

Trusted Partner



Our Clients

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