

Plant : Plot No. G-101, 102, 103, 110,111, 02, P-3 & P-14, Ladhika, G.I.D.C., Kalavad Road, P.O. Khirasara (RAN) Metoda, Rajkot - 360 021. Gujarat, India.
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TO WHOMSOEVER IT MAY CONCERN

We **Gautam Casting Industries** based at Rajkot are into manufacturing of CI Casting – Parts of Tractors and are using **3 KAESER COMPRESSORS** of 3 different models as mentioned here under:

- CSD 82
- BSD 75 T
- ASD 57

We were using MS and GI Pipeline in our plant for compressed air transmission since last few years. But we were facing pressure drop issue in the plant which was affecting our production. Hence, we invited Optimus Energy Services Rajkot to conduct the Air Audit and to scrutinize the issue and as a result and as per their statement, we came to know that the pressure drop was due to heavy leakage in our MS – GI Pipeline which was wasting almost 29% of the Air through leakages from the joints. It was actually the serious matter seeking solution for leakages as that was truly increasing our expenditure due to higher energy consumption.

To get rid of pressure drop and leakage issue, OES suggested us to replace our existing Metal Pipeline with **Anjney brand Energy Saving PPCH FR Pneumatic Pipes and Fittings** and immediately after their recommendations, we invited Anjney Tubes India for their innovative Energy Saving **PPCH FR Pneumatic Pipeline** and replaced our Metal Pipeline with PPCH Pipes and Fittings on date 12/10/16

After the installation of **Anjney PPCH FR Pneumatic Pipeline**, we observed the remarkable difference in the performance of our machinery as well as the production. Still to be assured about its performance and 100% solution we obtained for the issue of pressure drop we faced in previous metal pipeline; we again invited OES for the Air Audit. **And the result is truly unbelievable that 29% air loss and the pressure drop we were facing is now completely NIL.** With the extra ordinary features and the excellent performance of Anjney PPCH Pipeline, **we are now saving 29% Air.** We feel proud to share the calculation of energy saving as under:

- *Total No. of Compressors: 03
- *Brand: Kaeser
- *Total Kw: 112
- *Unit consumption per hour: 112
- *Unit consumption per day: 112*24 Hours= 2688
- *Monthly Unit consumption: 2688*25 days=67200
- *Yearly Unit consumption: 67200*12=806400
- *Total Expenses incurred for consumption: 806400 units * Rs. 7 per unit: Rs. 56, 44,800
- *Air loss due to leakage in Metal Pipeline @ 29%: Rs. 16, 36,992

- **Saving in Anjney PPCH FR Pneumatic Pipeline:**

- *PPCH Pipe Header: 110 & 63 MM, Branch line: 32 MM
- *Cost of PPCH Pipeline: Rs. 6, 88,867
- *Saving from leakage @ 29% after installation of PPCH Pipeline: Rs. 16, 36,992
- *Payback period: Within 4 months after the installation of PPCH pipeline

Considering the drastic change in Energy Consumption after the installation of Anjney PPCH Pipeline, we fully recommend **Anjney PPCH FR Pneumatic Pipes and Fittings to all industrial users since the saving in Energy is of course an important element for any type of industry.** And Anjney Tubes India has helped us a lot in saving the energy by preventing leakage and pressure drop in such a period wherein global environment is spoiling gradually day by day. **We thank Anjney Tubes India for supporting us in saving Natural Resources as well which is like a service to the nation.**

For, Gautam Casting Industries
(Auth. Stamp & Sign.)



Plant I: **Gautam Casting Ind. Pvt. Ltd.:** Old Gunjiwad, Behind Daylight Ceramics, Rajkot - 360 003. Gujarat, India.

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