



# SATYAM

## Matrix Wireless Coolant Dispensing System

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# INTRODUCTION

- The Coolant dispensing systems are used for delivering both types of coolants from their original containers to an application point.
- Coolants with different mixing ratio can be processed in this way by SATYAM- Matrix Wireless Coolant dispensing systems, from low to high level.
- Coolant is dispensed thru especially designed Diaphragm Pumps by the means of compressed air.
- **Application is fully automatic, Wireless and hassle free from cabling and electronic components.**





Diaphragm Pump



Matrix Meter

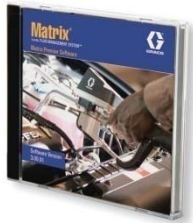


Hose Reel



Transceiver

## Hardware and Software



Operating Software



Filter, Regulator, Lubricator (FRL)



PU Coiled Hose



Optional - Pump Air Control (PAC)

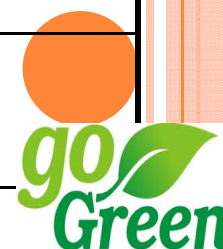


Optional - Tank Level Monitor (TLM)

No Wire Not much electrical components, Scalable at anywhere with less time and less Cost

## Technical details – Satyam Coolant Dispensing System

S. No.	Description	Usage
1.	Diaphragm Pump	Especially designed pump, Compatible with Coolant for direct filling from barrel to radiator.
2.	MATRIX Wireless Meter	For PC monitoring and calculate the volume of coolant dispensed and provide data outputs for records keeping.
3.	Hose Reel	For Transferring Coolant Directly in the Car.
4.	Transceiver and Cable with RS-422 converter	Communicating device between PC and Meter.
5.	Non Dip Proof Control Handle with Shut Off valve add on features	It ensures zero leakage from the system thus enhancing utilization and improving the house Keeping.
6.	Filter Regulator with Gauge + PU Hose +Adaptor Set + High Pressure Connecting Hose	For Air supply to Pump and For Connections.
7.	Layout of Automatic Coolant Dispenser.	For better presentation among Customers.



# Why Do You Need Automated Lube System In Workshop?

## Challenges

- ◆ Coolant is topped up always which results in lack of accountability and wastage.
- ◆ Spillage on floor , bay area leading to unsafe and poor aesthetics of workshop.
- ◆ High manpower, Low productivity due to time waste, Low efficiency.
- ◆ Result- Coolant loss up to 15%, Unsafe and high Idle time cost.

Every liter of Coolant you loose Rs 25 (approx).

## Single window Solution

✓ Satyam Coolant Management System

We guarantee you Min Saving of 15% on Coolant as direct revenue

Less Manpower, Complete tracking & Accountability, Improved efficiency as indirect revenue or benefits

ROI = 6 – 12 months.



# TYPES OF COOLANTS

- Coolants are of two basic types:
  1. Premixed- They come in diluted form.
  2. Concentrated- They needs to be diluted in the ratio of 1:1.

Satyam Matrix Wireless Coolant Dispensing System is designed in a way that it can cater dispense for each of these types of coolants.



# SATYAM COOLANT DISPENSING SYSTEM FOR PREMIXED TYPE OF COOLANT



# SATYAM COOLANT DISPENSING SYSTEM FOR CONCENTRATED TYPE OF COOLANT

Dispense via  
Hose Reel thru  
Matrix Meter



Mixing Ratio 1:1



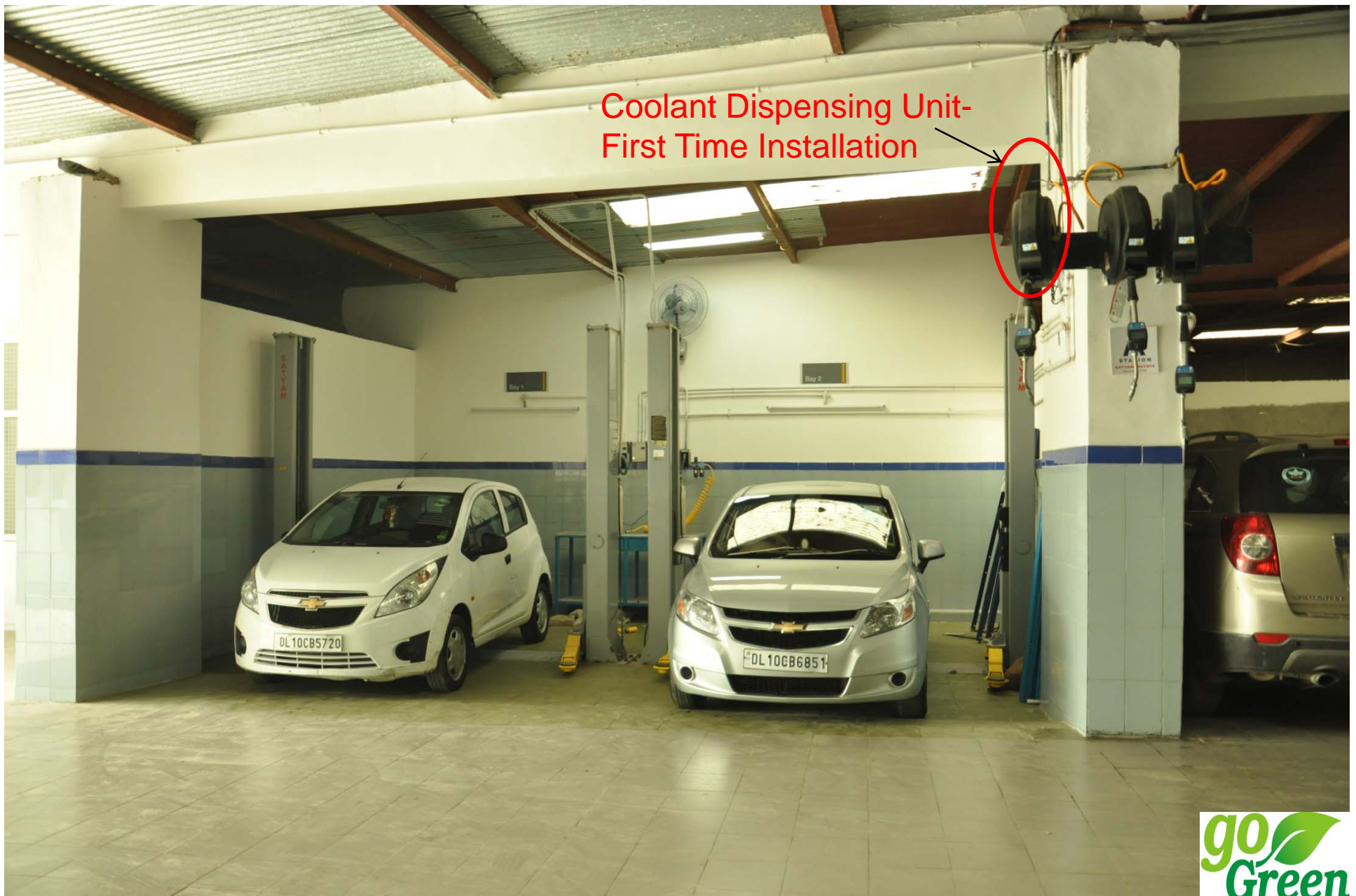
Oil  
Barrel



Water  
Barrel



## SATYAM- COOLANT DISPENSING SYSTEM CLIENTS – SPARSH CHEVROLET, DWARKA



# THANK YOU

For more information, contact:

## **SATYAM INTERNATIONAL**

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