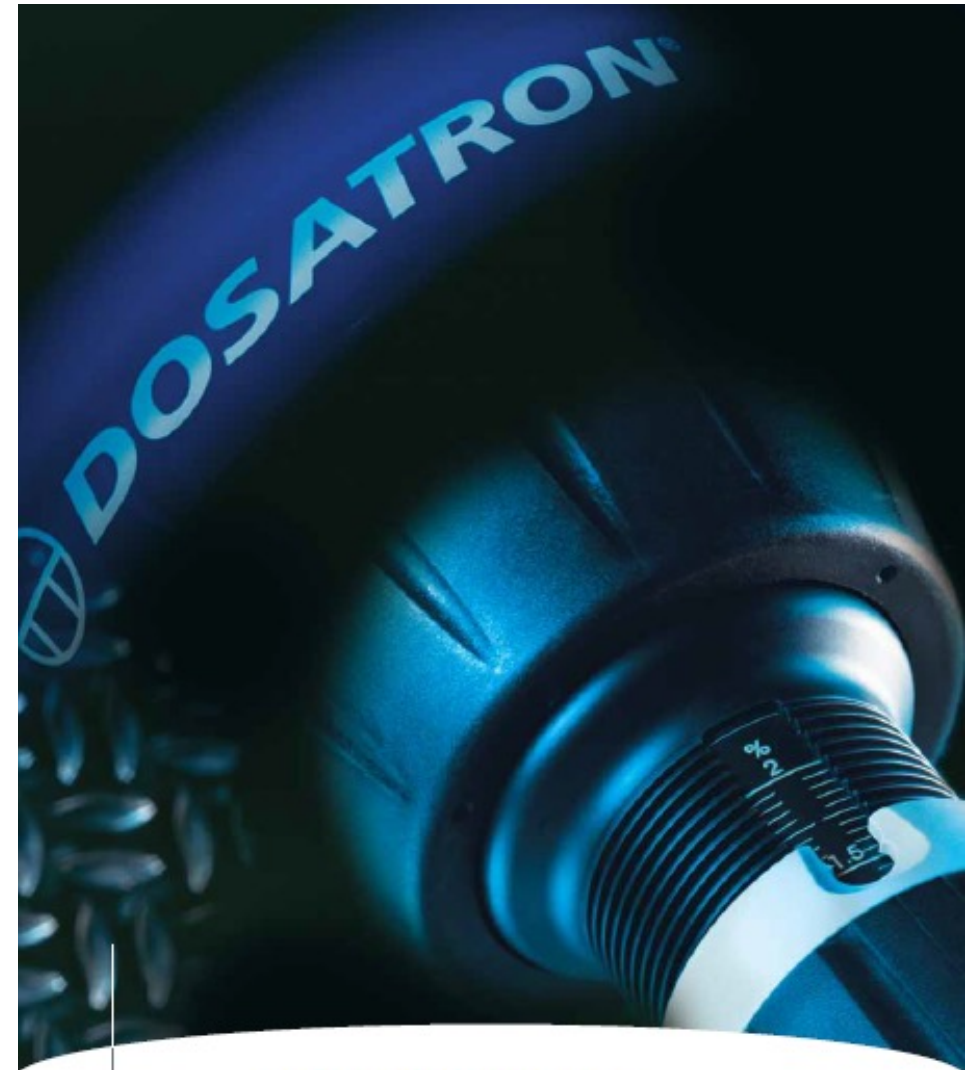


## Dosing and proportional mixing of water-soluble oils



Water powered  
metering pumps



**DOSATRON**<sup>®</sup>

WATER POWERED DOSING TECHNOLOGY



## About Dosatron

Dosatron International S. A. S. is a dosing pump manufacturer from **France**.

## Application (in Metal Processing Industry)

- Cutting oil
- Die casting
- Part degreasing and cleaning
- Surface treatment
- Vibro-abrasion
- Water-jet cutting (Polymer dosing)
- Vulcanization

## Current method of coolant preparation

In the central tank or an empty barrel,

- 1) We add RO or DM water as per requirement
- 2) We add 2-3% coolant as per requirement
- 3) In case of Centralized Tank, we allow the coolant to mix manually by letting it run through the system or in case of a barrel, we mix the barrels manually



## Disadvantages of the current technique

- Permanent under-dosing or over-dosing of coolant
- Lengthy preparation time
- Dirty and dangerous workstations
- Risk of contact with concentrated products

## Consequences of Under-dosing

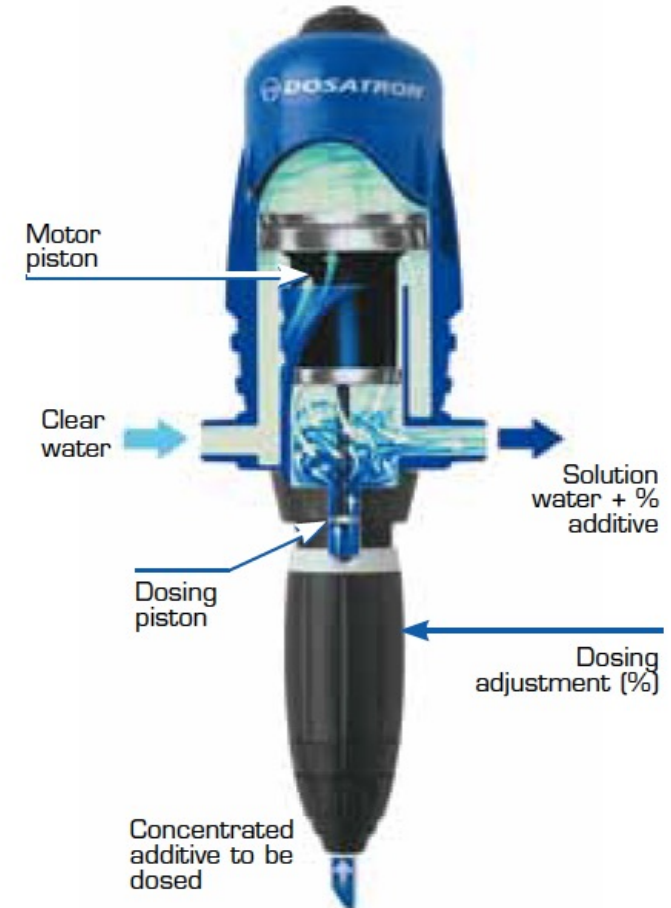
1. Rusting in components and machines
2. Bad-smell
3. Bacteria and Fungi
4. Premature tool wear
5. Inefficient cooling, lubrication and, protection

## Consequences of Over-dosing

1. Excessive consumption of coolant
2. High carry-over loss
3. Slippery job and machine surface



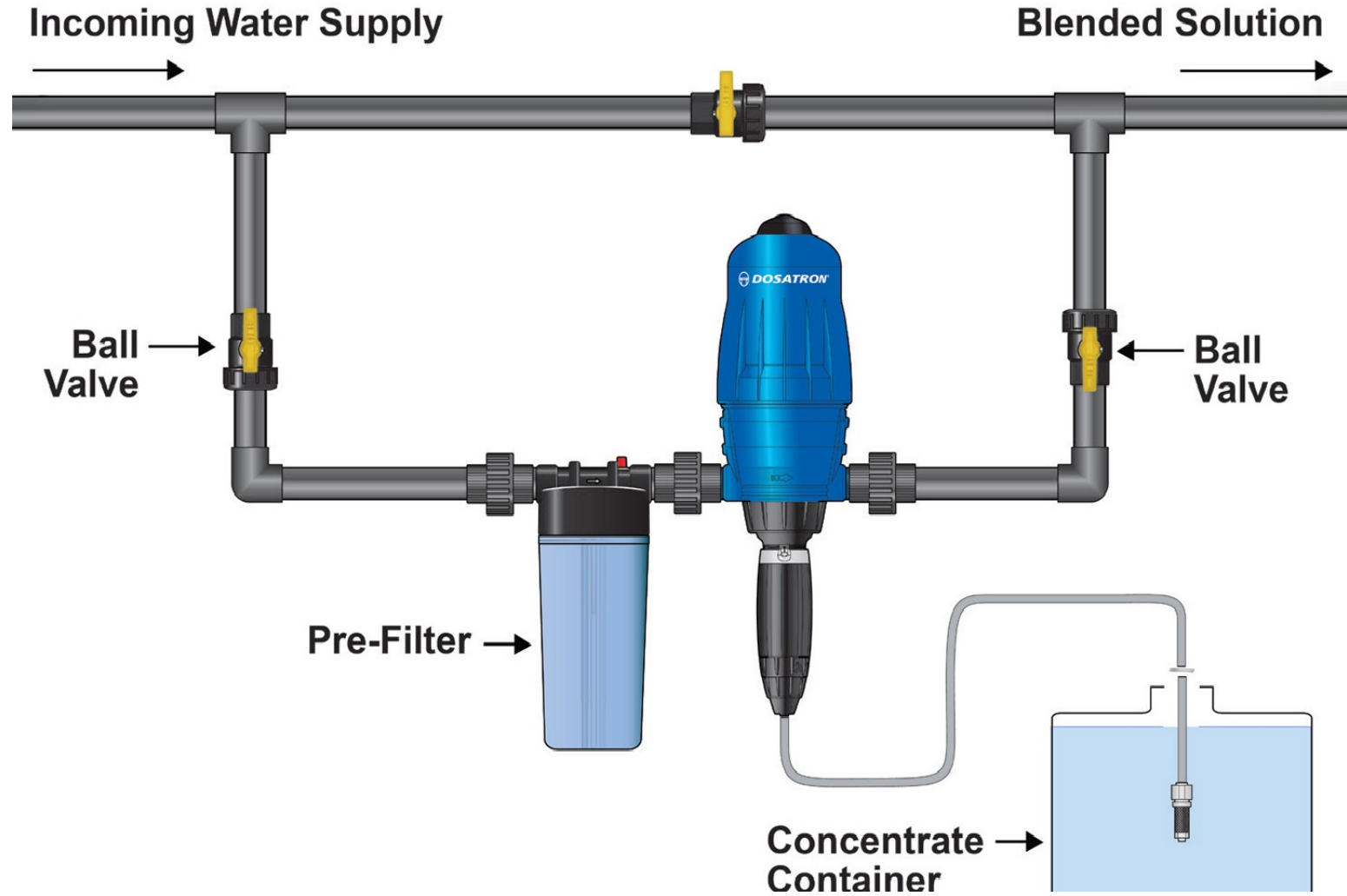
## Operating Principle





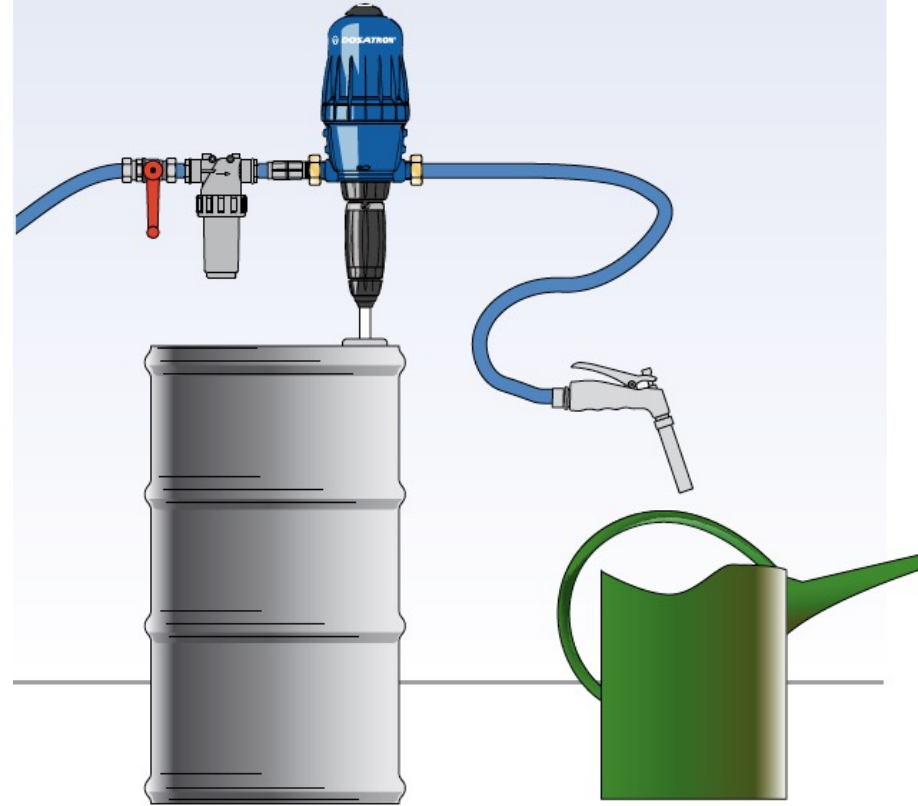
## Product Video

Link: [www.kirtilal.com/wp-content/uploads/2022/03/Dosatron-Product-Video.mp4](http://www.kirtilal.com/wp-content/uploads/2022/03/Dosatron-Product-Video.mp4)





Manual set-up





## Characteristics

1. Coolant Injection Range: 0.5% - 10%
2. Water Flow Range: upto 3000 litres/hour
3. Operating Water Pressure: 1 – 6 bar
4. Non-electric pump; completely water powered
5. 100% proportional
6. Integrates Dosing and Mixing function
7. User-friendly
8. Superior to Venturi and Electric pumps
9. No-maintenance pump
10. Manufactured in France



16<sup>th</sup> June 2013

### TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s Dostron France make Auto dosing units installed on Central Coolant Filtration systems used for Engine Component washing at **Fiat India Automobiles Ltd, Ranjangaon MIDC, Ranjangaon, Pune. Is working effectively since it's installation i.e. 2008.**

The above auto dosing units are used for precise dosing of water emulsifier on the above stated systems.

We are happy with performance of these Auto dosing units manufactured by M/s Dostron."



Mr. Mahendra Gujarathi  
PWT Division.

# KIRTILAL

*Metalworking LLP*

*Vaibhav Saurin Shah*

Cell: +91 99789 78780, +91 95377 33377

Email: [info@kirtilal.com](mailto:info@kirtilal.com)

Website: [www.kirtilal.com](http://www.kirtilal.com)