

**WINE ENERGY**



**INNOVATION FOR THE WINE INDUSTRY**



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**BUCHER**  
vaslin



**HEXAGONE**  
AIR CONCEPT

# SAEN 5000 – THE ‘BRAIN’



# AIR MIXING

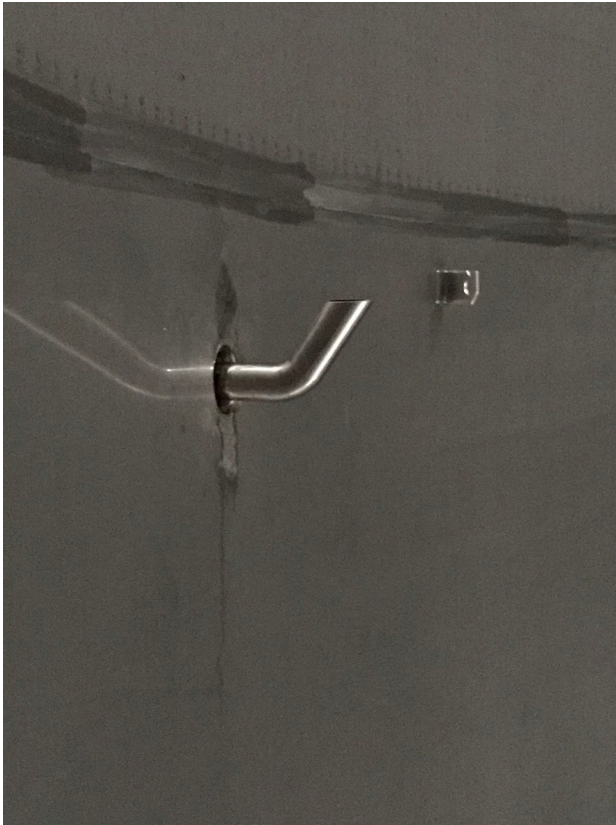


# AIR MIXING – WHAT IS IT?



- **(PATENTED) MODULATED INJECTION**
- **COMPLETE IMMERSION & GENTLE ROLLING & MIXING OF THE CAP**

# AIR MIXING – INJECTOR INSTALLATION



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# AIR MIXING – SAME-SAME BUT DIFFERENT

- **FASTER THAN OTHER SYSTEMS**
- **LESS INPUT POINTS (INJECTORS)**
- **SIMPLE PROGRAMS**
- **REMOTE CONTROL**



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## BENEFITS – QUALITY



- **PERFECT MIXING OF THE ENTIRE CAP (EACH TIME)**
- **IMPROVED COLOUR & TANNIN EXTRACTION**
- **HOMOGENIZATION OF THE SOLID / LIQUID PHASE**
- **REDUCED LEES GENERATION**



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## **BENEFITS – QUALITY (CTD.)**

- **REDUCED FERMENT TIME**
- **REDUCTION OF NUTRIENTS**
- **SEPERATION OF SEEDS (LESS GREEN TANNINS)**
- **HISTORY OF EACH FERMENT (EASY TO REPLICATE)**



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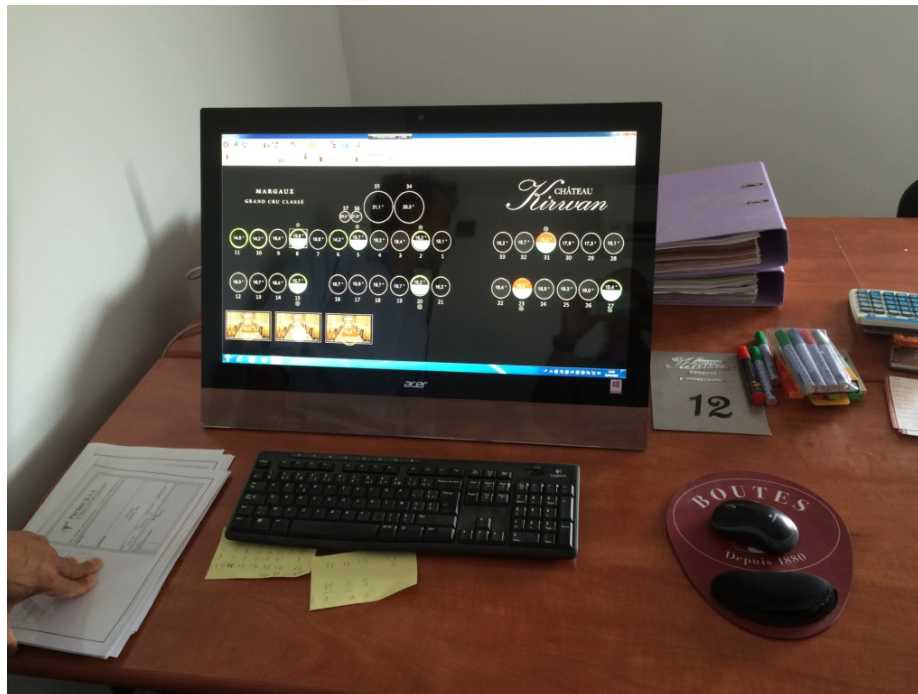


# BENEFITS – SAFETY



# BENEFITS – LABOUR REDUCTION

- ELIMINATION OF PUMP OVERS
- ONE PERSON CAN MANAGE WHOLE TANK FARM



# BENEFITS – MAINTENANCE REDUCTION

- **NO NEED FOR PUMPS**
- **NO NEED FOR IRRIGATORS**
- **NO NEED FOR PIPEWORK OR HOSES**



# **BENEFITS – TEMPERATURE CONTROL**

- **REDUCED COOLING REQUIREMENT**
- **MORE EVEN COOLING**
- **SIGNIFICANT SAVINGS**



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# AIR LINES - SETUP

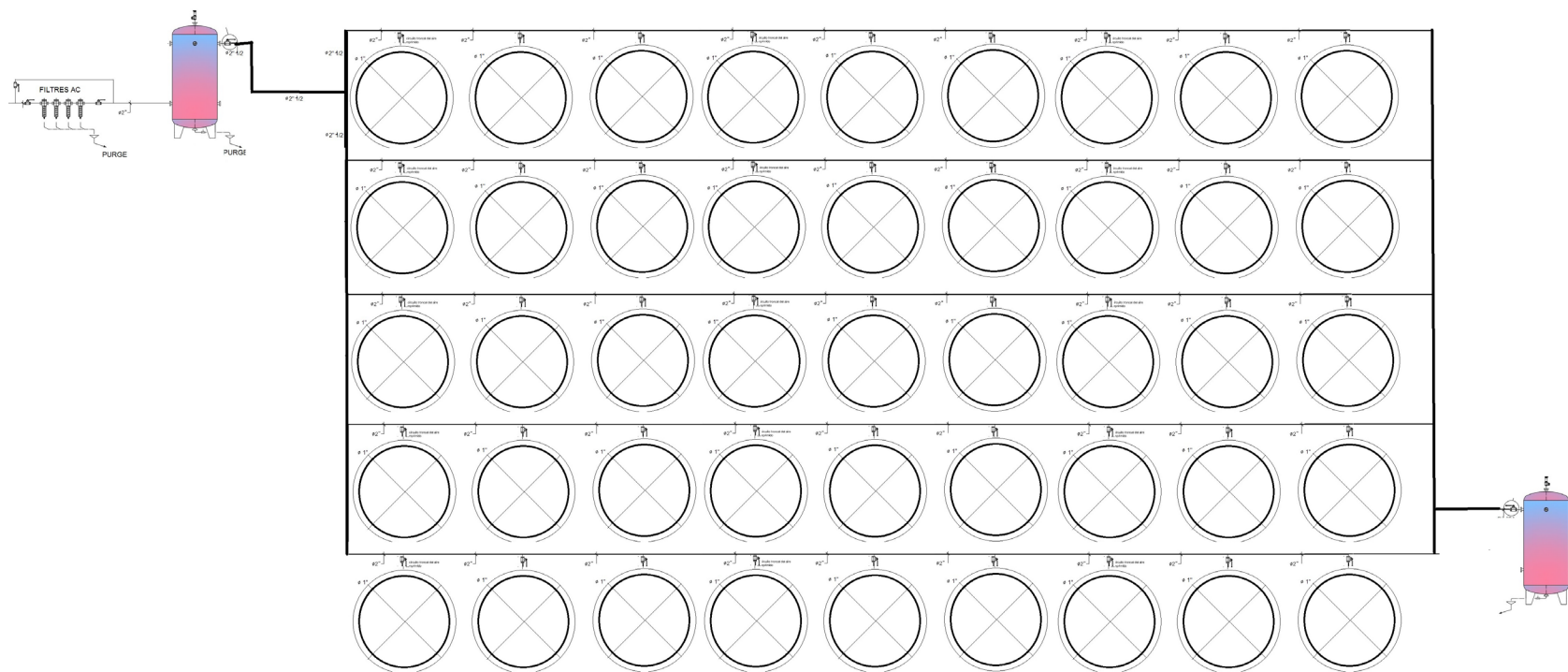


Schéma de principe de l'installation des conduites d'Air Comprimé / Azote

# AIR LINES – FILTRATION & PRESSURE

- 4-5 BAR (AIR OR NITROGEN)
- OIL FREE (IN CONTACT WITH WINE)



# AIR MIXING – 100T SWEEP ARM FERMENTERS



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# AIR MIXING – VIDEO



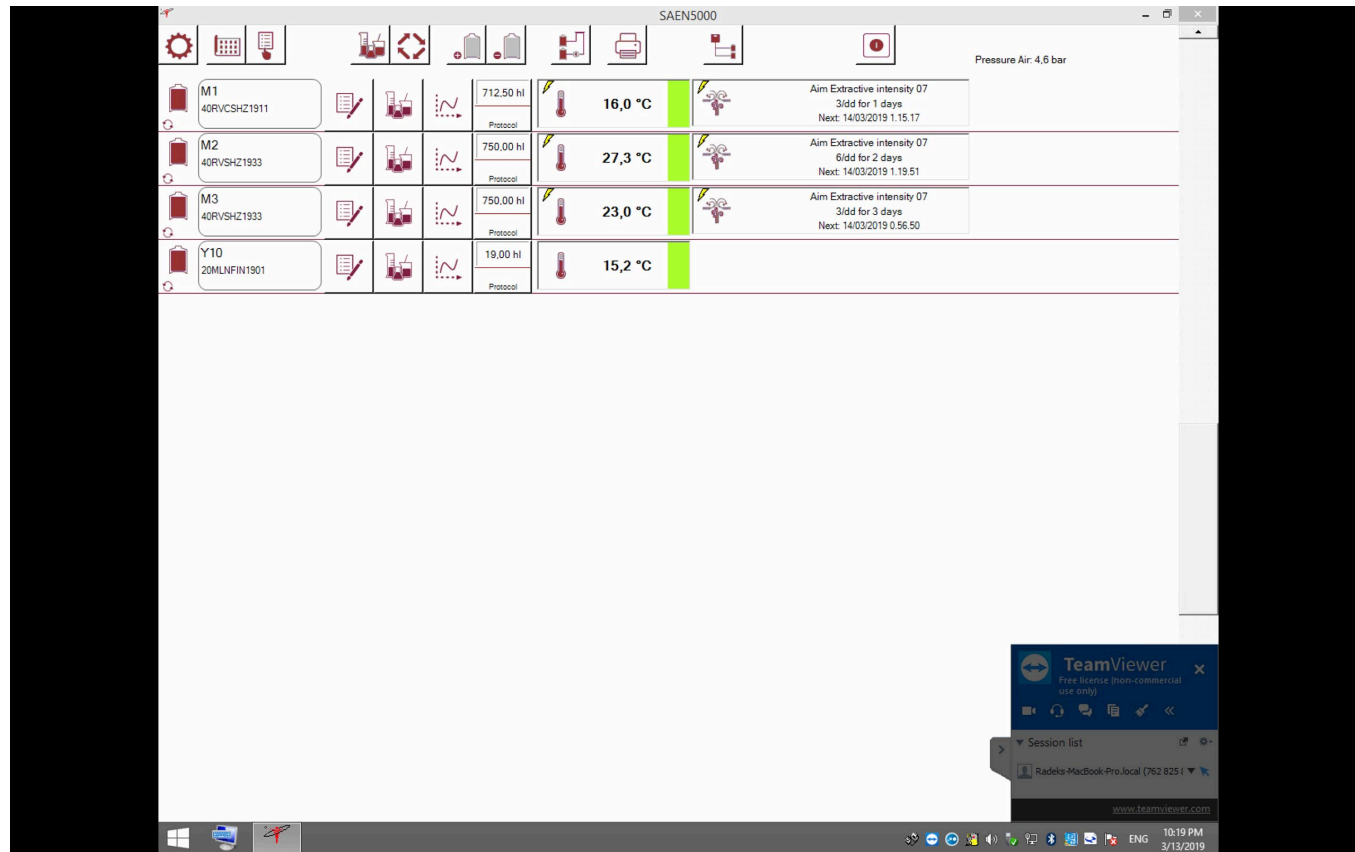
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# SAMPLE TAP - HECLIPSE



# MAIN CONTROL PANEL SCREEN



# AIR MIXING SET UP SCREEN

SAEN5000

Pressure Air: 5,1 bar

50 AT CAS 157,5 HI 21,0 °C Phase change - 7 Hours

62 AM CAS 180,0 HI +O.L. Phase change - 7 Hours

Plan

Tank 50 - AT CAS

| Alcohol Time | Alcohol Reduction | Alcohol Final Value     | Duration / Analyses | Extractive Intensity | Daily processing |
|--------------|-------------------|-------------------------|---------------------|----------------------|------------------|
| Hours        | 7                 | Off                     | 1                   | 1                    | 1                |
| Hours        | 96                | Intensità Estrattiva 03 | 12                  | 12                   | 2                |
| Hours        | 96                | Intensità Estrattiva 03 | 6                   | 6                    | 3                |
| Continue     | Continue          | Off                     | 1                   | 1                    | 4                |
| Continue     | Continue          | Off                     | 1                   | 1                    | 5                |
| Continue     | Continue          | Off                     | 1                   | 1                    | 6                |
| Continue     | Continue          | Off                     | 1                   | 1                    | 7                |
| Continue     | Continue          | Off                     | 1                   | 1                    | 8                |
| Continue     | Continue          | Off                     | 1                   | 1                    | 9                |

Close Stop

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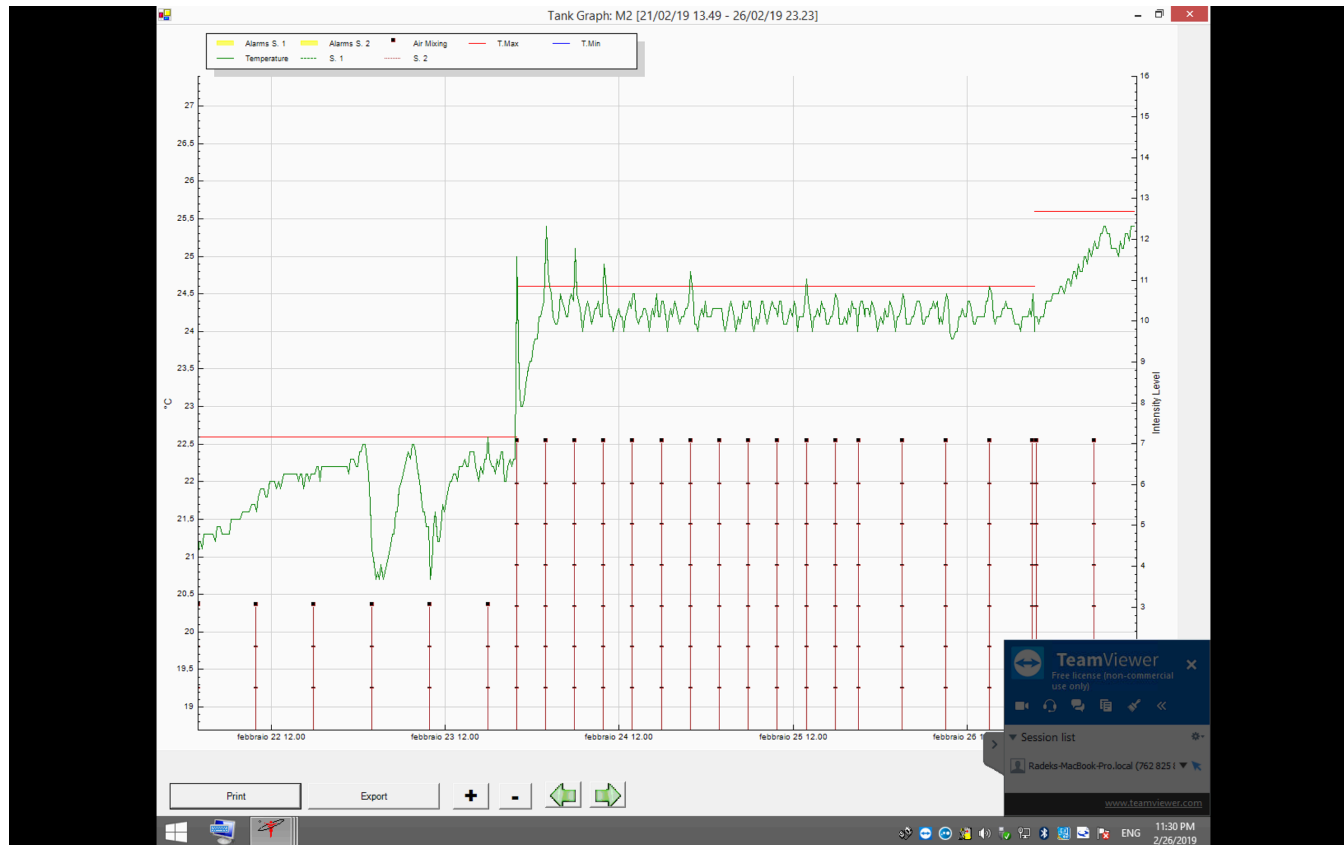
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# AIR MIXING + TEMPERATURE CONTROL(1)



# AIR MIXING + TEMPERATURE CONTROL(2)



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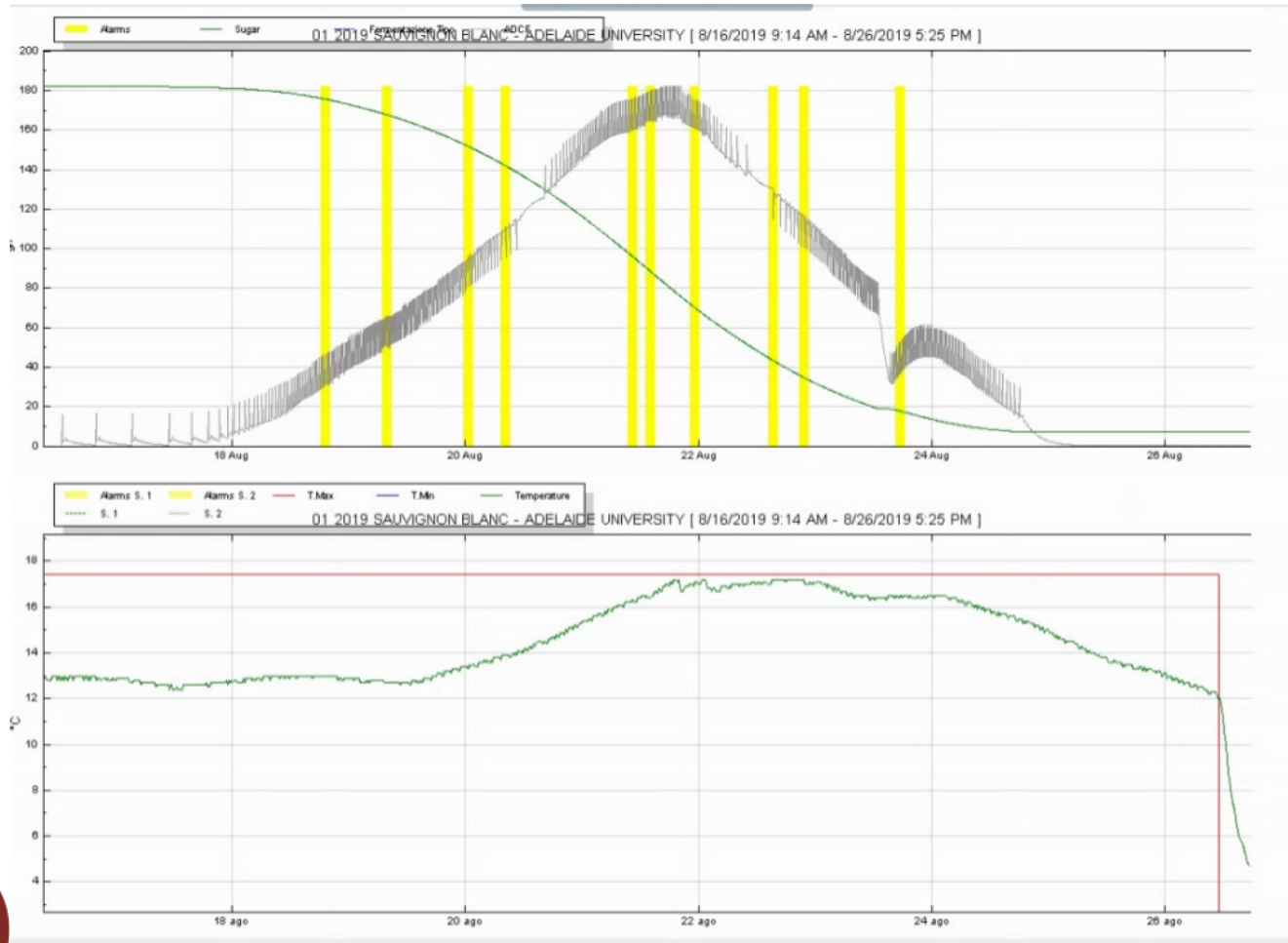
# KINETIC FERMENTATION



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# KINETIC FERMENTATION



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# MACRO / MICRO OXYGENATON

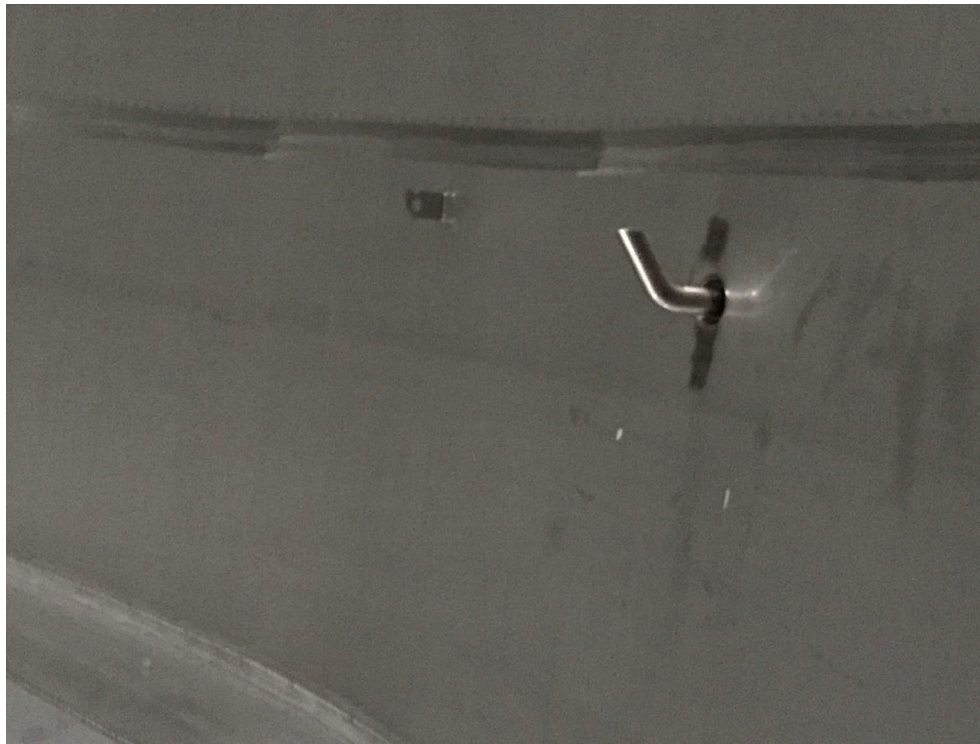


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**THANK YOU**

**QUESTIONS?**



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