LAUNCH GUIDE

Waste - Pump - Station

1. Preface

The positioning of the Waste Pump Station is in the medium/high market segment from 5.000 m²/year.

This guide is meant to give you all the necessary information to successfully launch and support this Waste Pump Station in your country and within your organization.

2. System Description

Ruja Automation is pleased to present a Waste Pump Station, that combine affordable pricing with reliability and high performance. The Waste Pump is rated for use with all sorts of Waste from Polymer, Thermal and Silver chemistry at printers with a plate consumption above 5000 m²/year.

The Waste Pump come ready-to-use and benefits from advanced design and the highest build quality using only the best components.

The simple design ensures ease of use as well as low maintenance and is ideal for the medium/high volume plate user.

The Waste Pump Station includes standard the following features:

- Small footprint
- Applicable for all sorts of Chemical Waste.
- Automatic “Alarm system” in case of risk on over filling
- Easily to install and connect to the present installation

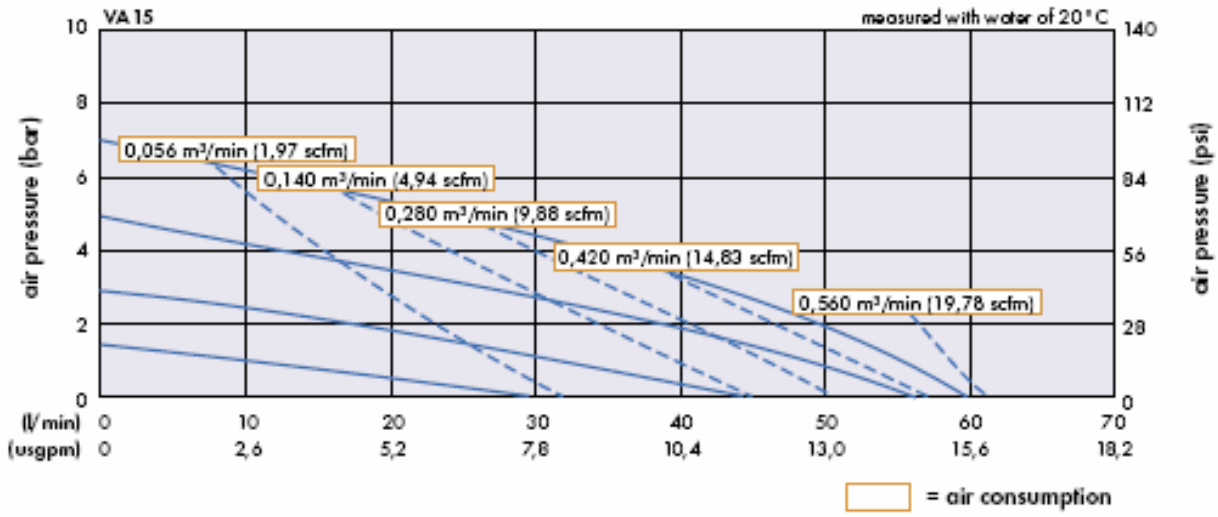
3. Specifications

DIMENSIONS	
Width	600 mm
Height	1300 mm
Depth	600 mm
MECHANICAL SPECIFICATIONS	
Temperatures	
Waste Min. - Max.	5 - 40 °C
Tank volumes (excl. Hoses to processors) Pump System	200 l
ELECTRICAL SPECIFICATIONS	
Power Supply EUR-models	2W + PE, 230V / 2x1 Amps, 50-60 Hz
Voltage tolerances	± 10%
Power consumption	
EUR models Max	20 Watts

APPROVALS	
The Waste Pump System:	▪ CE safety standards

WEIGHTS	
Waste Pump Station	
▪ Shipping	40 kg
▪ Empty	20 kg
▪ With waste / liquid	approx. 220 kg

4. Pump characteristics



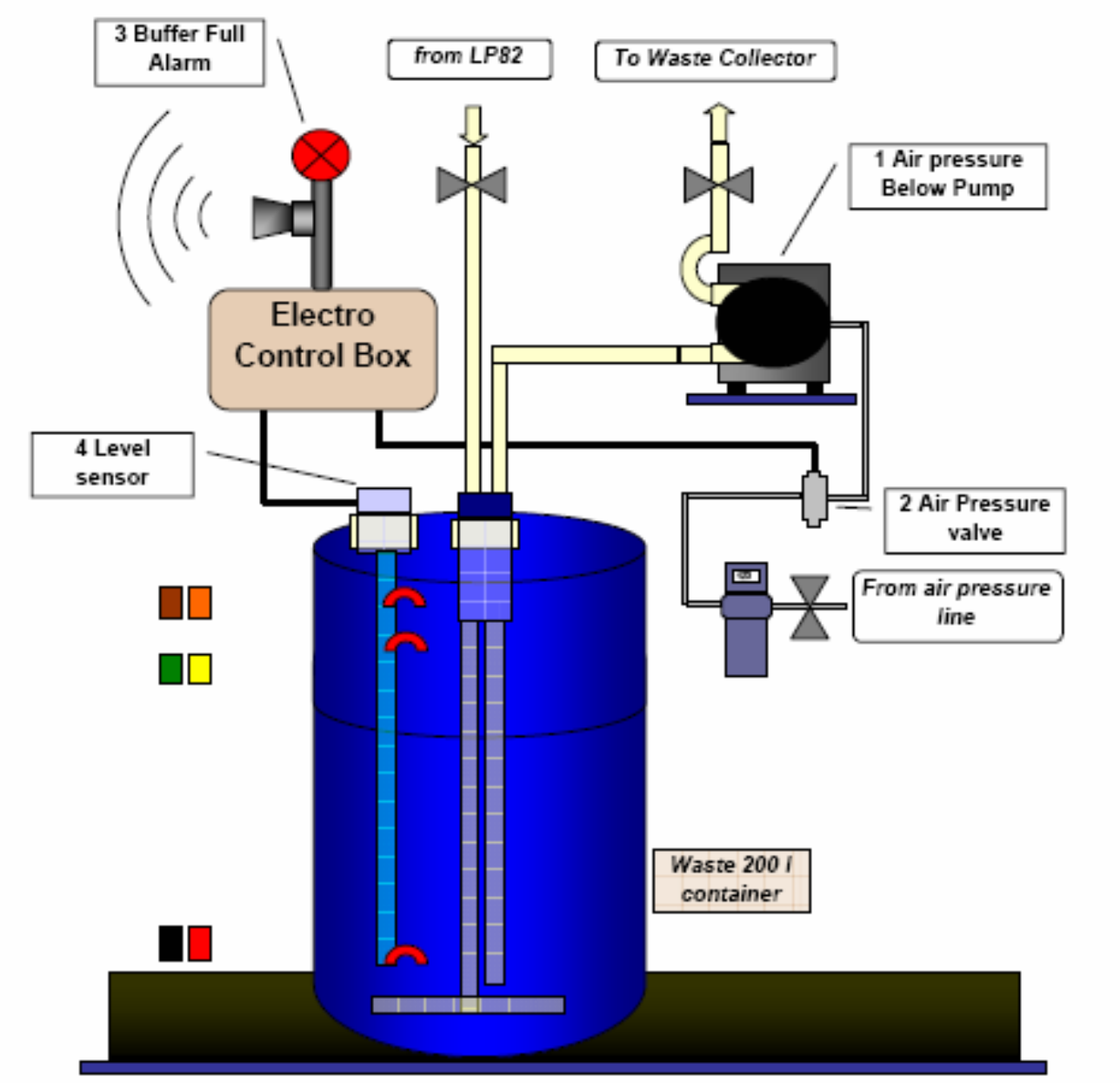
Technical details

Technical details		
Weight [kg]	Acetal	3.5
	PP	2.9
	Kynar	3.9
Suction lift [mwc]	Dry	4.8
	Wet	7.6
Temperature [°C]	Acetal	5 - 65*
	PP	5 - 65
	Kynar	5 - 65**
	* 82 °C with Teflon diaphragms	
	** 107 °C with Teflon diaphragms	
	Max. particle size [mm] 2.5	

Non wetted material	
Centre section	Polyester

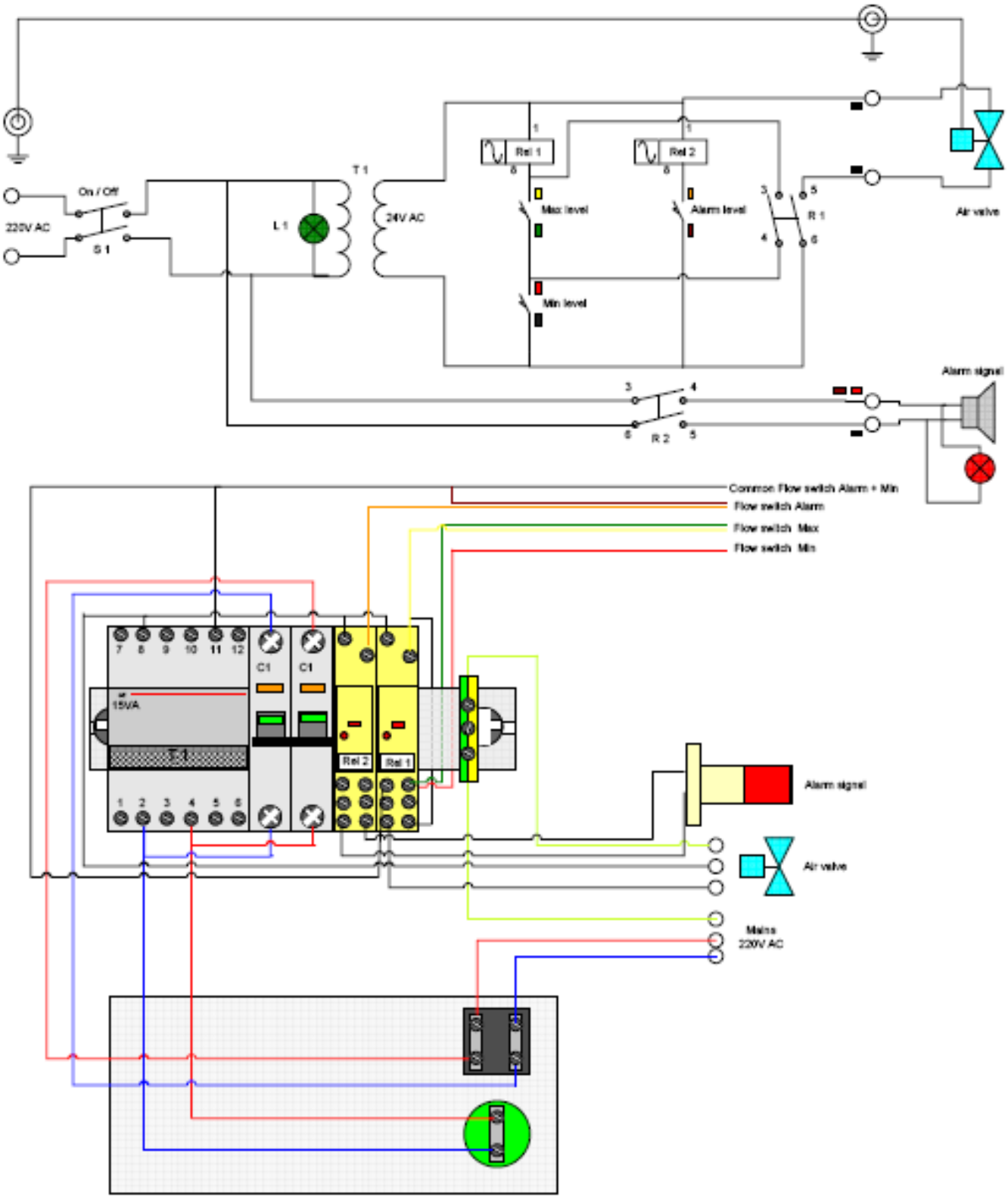
Article codes
VA 15. [no.2] . [no.3] . [no.4] . [no.5]
[no.2] material of casing
AC = Acetal PP = Polypropylene KY = Kynar
[no.3] material of seat
AC = Acetal PP = Polypropylene KY = Kynar SS = Stainless Steel
[no.4] material of valve
TF = Teflon SP = Santoprene SS = Stainless Steel HY = Hytrel BN = Buna N VT = Viton
[no.5] material of diaphragm
TF = Teflon SP = Santoprene BN = Buna N VT = Viton HY = Hytrel

5. Flow diagram



A self priming tube pump (1) ensure a continuous level regulation between Min and Max level (4).
The Pump is driven by Air Pressure adjusted by a regulator (2).
In case of Pump failure ore flow problem an audible alarm (3) and light signal.

6. Electrical Schematic



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