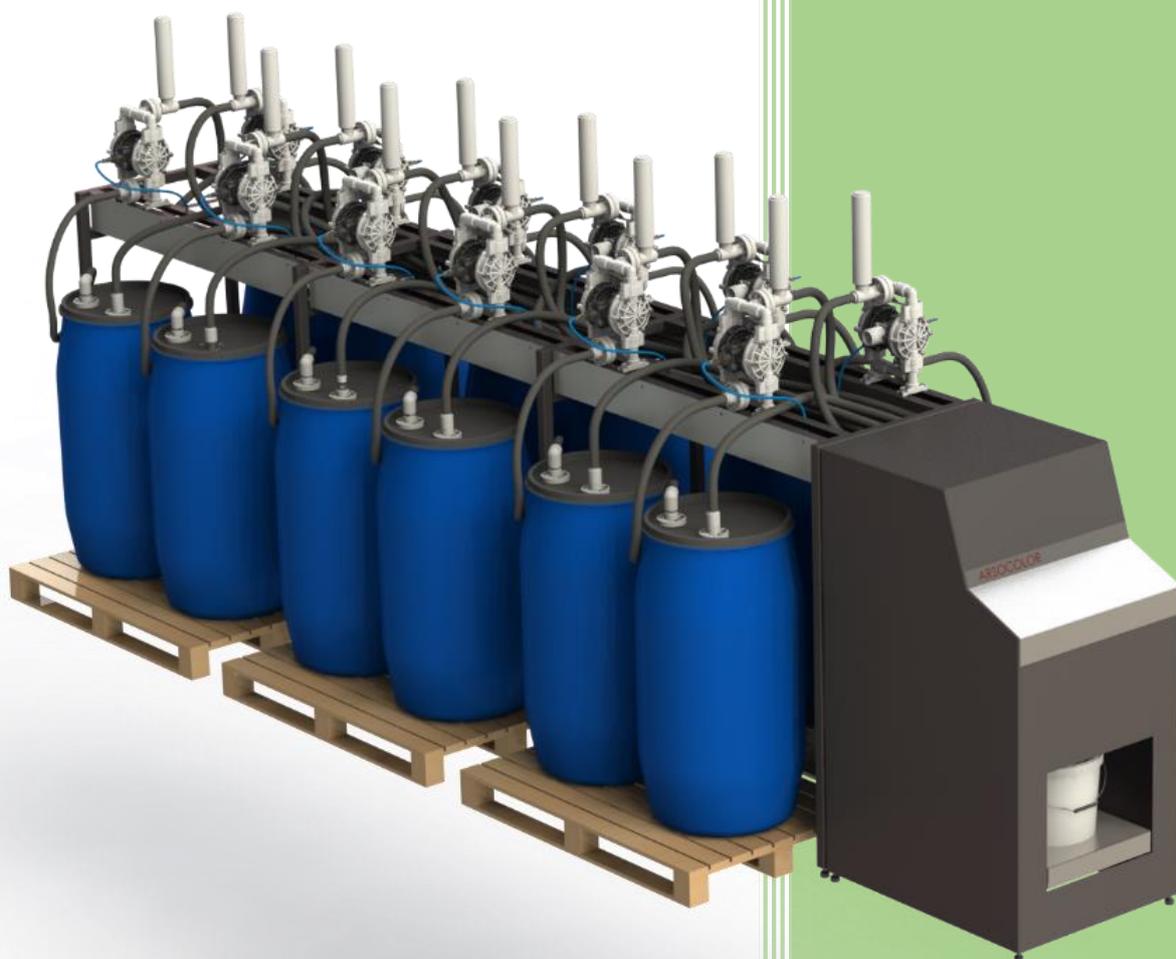


ARSOPUMP

ARSOCOLOR - A



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ARSOCOLOR - A

automatic blending system
for water-based liquid printing inks

ARSOCOLOR - A

ARSOCOLOR - A is an automatic gravimetric ink dispensing system designed for all types of liquid water-based printing inks. The system offers reliable and accurate dispensing in an environmental friendly way. Moreover, it reduces finished ink costs by purchasing bulk quantities of base inks. Operation of the system is easy, reliable, clean and easy.

The system includes frames, pumps and flexible hoses, a dispense station, a slide unit with precision scale and a dispense controller. It is available as standard for 12 water based ink components, and the maximum number it can be extended is 18. Dispense repeatability and scale readability of the system is ± 1 gram.

The simplicity of ARSOCOLOR - A enable to be easy for install. There are two configurations, in-line and wall.

A precision electronic scale is positioned on a slide unit. The scale display always shows the current value in kilograms to three decimal places.

The only moving part is the slide scale, for easy positioning empty buckets and removing full buckets. All dispense valves are mounted on a plate above the scale. The system needs minimum maintenance.

After positioning empty bucket the operator enters the code of the desire mixture of colors and quantity in kilograms to three decimal places. Pressing start is the final operator's step. Everything else is done by the automatic blending system.

A new mixture code with its complete date can be entered manually by the operator.

Daily circulation of colors are fully automatically.

A typical dose of 20 kg with 4 components takes about 5 minutes to be completed.

The colors are driven by N₂5 air operated double diaphragm pumps. Their capacity provide a higher speed circulation what is very important to ensure product quality and concentration. START and STOP of the circulation is done manually by the operator. The pumps are equipped with pulsation damper for smooth product flow to metering valves.

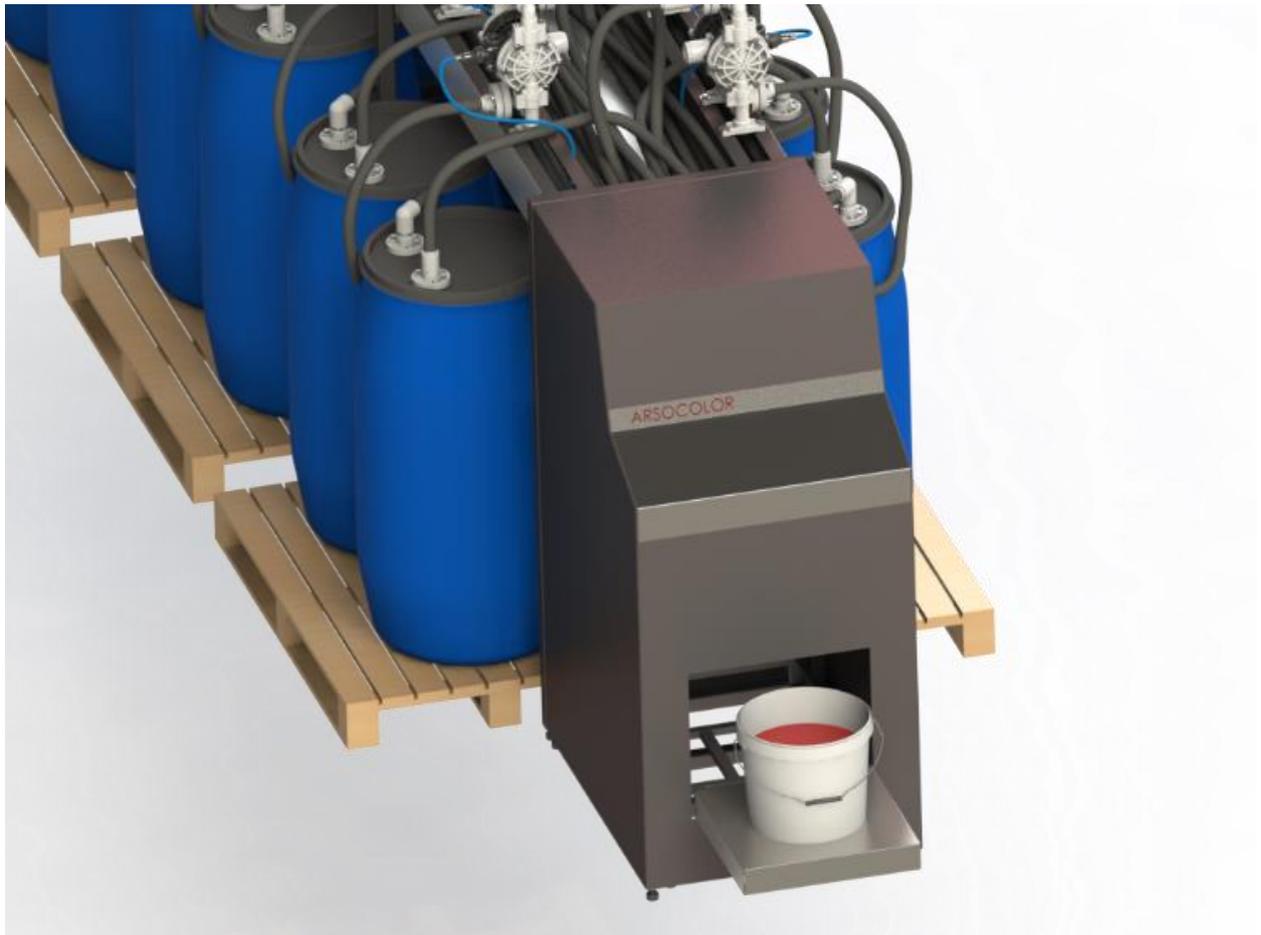


Installation, commissioning and training

Our advice is installation of the system to be done by ARSOPUMP technicians.

Not included in our scope of supply are:

- Provision of stable power supply
- Connections for compressed air, electrical power and earth
- Storage drums with lids
- All civil works



Design Approvals & Standards

The system is compliant with the following European standards:

ISO 12100:2003 Safety of machinery - basic concepts, general principles for design.

EN 60204:2006 Safety of machinery - electrical equipment of machines part 1: general requirements

EN 50081-2-1993 generic emission standard part 2: industrial environment

EN 50082-1-1997 generic immunity standard part 1: residential, commercial and light industry

System supply

Electrical supply - 230 volt single phase, 16 A with its own fuse. The electric power supply has to be stable to provide a reliable operation of the instrument. If this is not ensured, ARSOPUMP recommends the installation of a UPS.

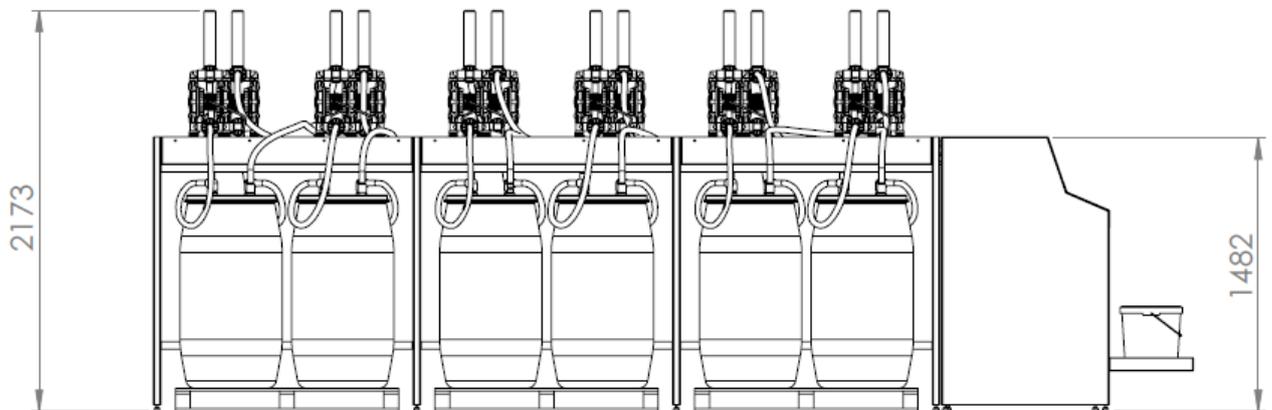
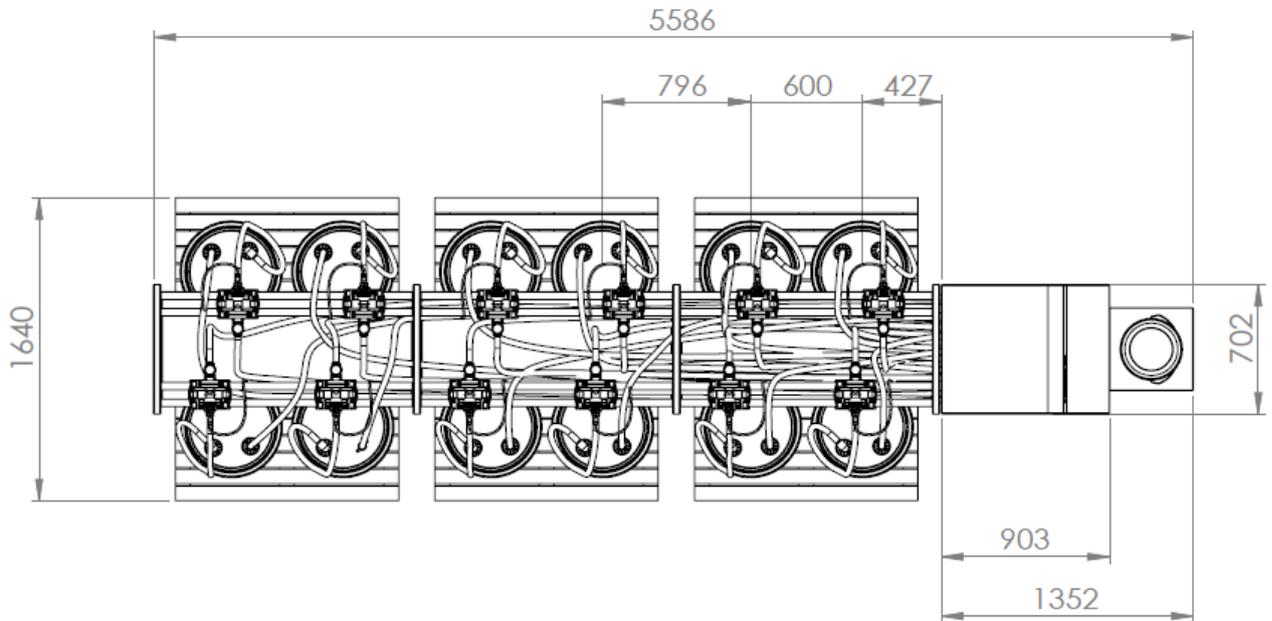
Air Supply - Pressure: Min 5 bar (73psi) - Max 8 bar (116psi)

Volume: Max: 250 L / min (8.8cfm) Average: 150 L / min (5.3cfm).

The compressed air must be dry, clean and oil free.

System Specification

ATEX Approval	No, this system is designed exclusively for solvent-free products
Number of components	12
Max Number of components on the dispensing head	18
Buckets	min. Φ 250
Scale capacity	35 kg
Reading accuracy	1 g
Circulation Control	Automatic
Drum	12 x 200 L drum
Pump	12 x N _o 25 ARSO double diaphragm pump
Pump configuration	Polypropylene with EPDM membrane
Suction, Delivery and Return line	1 " – 3/4" Flexible Hoses



Warranty

ARSOPUMP provide full warranty for the first 12 months. Includes supply of all system components and telephone support to customer technician during the replacement.

Repairs caused by accidents, improper use, not following the maintenance routines, poor quality of the compressed air and electrical supply exclude warranty.