

LVCO Large Volume Dispenser

COLOUR MANAGEMENT EQUIPMENT



Fast, highly accurate, high performance dispenser for precise reproduction of special spot colours in small, medium or bulk quantities.

Up to 36 high performance dispense valves

Single scale or twin scale options provides wide range of batch sizes ranging from 1kg to 200kg

Flexible layouts designed to minimise floor space

The LVCO ink dispenser accommodates up to 36 stand alone piston or diaphragm pumps, each with lift and follower plate, each delivering materials from 200kgs barrels or similar.

The integral fully embedded PC incorporating the Vale-Tech Ink Manager™ software ensures the complete control of the dispensing and colour blending process.

Benefits

- Eliminates the need to buy ready mixed colours.
- Instant colour mixing on demand.
- High speed automatic colour dispensing.
- Accurate repeatability of blends
- Re-work press returns
- Compact design occupies minimum of floor space.
- High reliability and low maintenance.
- Remote access feature allows direct link with the supplier, colour centre and the Technical Support Team providing on-line training and software maintenance.
- Comprehensive reporting capability.
- Option to integrate with MIS systems such as SAP or equivalent



The LVCO system is configured to suit individual requirements and applications.

Either one or two scale option provides a wide choice of dispensing batches in quantities from 1kg to 200kgs

Designed to suit small batch requirements or bulk quantities.

Available with auto bucket feed and conveying systems designed to customers own specification

Any combination of pumps can be accommodated whether pumping from 5 gallon pails, 205 litre/55 gallon drums.



Features

- PANTONE® licensed software
- Long life, high flow valves fitted with Teflon seals
- Combine both UV and conventional valves in the same machine
- Dispense configuration tailored to suit customer requirements
- Dispenses batches from 1kg to 200kgs
- Range of high accuracy platform & pit scale's
- Drum empty warning with optional level sensing
- Unique valve anti-drip feature
- Comprehensive materials management software



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Dispensing Brilliance

TECHNICAL INFORMATION

LVCO Series Dispensers



LVCO Dispense Head:

Main module: W = 39" (1000 mm) Ship (1300 mm)
D = 48" (1500 mm) (1700 mm)
H = 54" (1390 mm) (1650 mm)

Unladen weight: 175Kg

Crated weight: 275Kg

Blend size: 5Kg to 200kg (model specific)

Dispense Weigh range:

Model LVCO 1-20 small batch scale (1kg to 20kg)

Model LVCO 5-200 twin scale: Comprises small batch scale with either 100Kg mobile scale or a large batch pit scale (5Kg to 200Kg)

Dispense valve:

Up to 36 air operated double actuator valves with fine/coarse feed. 12 or 19mm coarse feed/ 3 mm fine feed Incorporating PTFE (Teflon) diaphragm seals.

Flow rate: Typically, 2-10Kg per minute, (depending on the material being dispensed & pump used).

Software: The Vale-Tech Ink Manager™ software with auto-dispense extension.

System status and interlocks

Blend container placement and size detection.

Blend quantity limiter

Low ink level /empty barrel sensing

Low pressure air supply cut-off

Services

Electrical: 110—230v 50 Hz 4A/1000W

Air supply: 6-8 Bar (85-110 psi) clean and filtered



Software: Windows based Vale-Tech Ink Manager™ software with auto-dispense and material management extension.



'Connecting Pipe work and fittings are usually or 32mm or 40mm. This is determined by the nature of the material being dispensed.'

LVCO PUMP: LV205-CO

Suitable for pumping conventional offset inks and other highly structured printing inks and coatings. Comprises suitably sized piston pump mounted on a twin or single post ram lift, purpose designed follower plate with wiper seal. Option of integrated level sensing interfaced to the Main control and dispense unit.

Refer to LVCO Pump data sheet for information:

Delivery pipe work subject to site survey

LVCO PUMP: LV205-UV

Suitable for delivery of UV offset curing printing inks.

Comprises a purpose designed stand with lift mounted Double diaphragm pump, steel body with PTFE wiper seal and diaphragms, complete with header tank of either 25Kg, 35Kg or 50Kg capacity.

Option of integrated level sensing interfaced to the Main control and dispense unit.

Dispenser options

LLK Remote access pack. Internet based communications utilising Team viewer remote access PC software.

SP-1 Scan Pack. Barcode labelling and scanning package. Includes barcode label printer, laser printer, hand-held laser scanner and software.

SP-2 As SP-1 but excludes laser printer.

SL Spectro link to X-Rite® and other colour prediction systems

B5 Small batch 1kg to 5kg scale option for LVCO200 model.

B200 Dispensing batches up to 200Kg (made to special order)

DT55 Drum Trolley to suit 205 litre/55 gallon standard steel drum.

