

Installation Requirements for Vale-Tech Inovex IDS, HP, and LV Systems

This document provides guidelines to assist in the smooth and effective installation of Vale-Tech Inovex standard IDS, HP, and LV systems with or without external pumps.

Unpacking/Location.

Unpacking.

In most cases it is important that the packaging is not removed prior to the Vale-Tech Inovex engineer's arrival on-site, this is to allow for packaging damage inspection before installation. Do not unpack the dispenser unless authorised by a Vale-Tech Inovex representative.

Assistance.

On arrival the Vale-Tech engineer will often require a fork-lift truck and or a pallet truck to transport the unpacked parts to the installation location.

Location.

The floor area at the dispense head and hose box leg fixing points is required to be flat and even. The positioning of the dispense head, and in particular the weighing scale, should be such as to avoid excessive vibration from machinery and passing fork lift trucks etc. The scale accuracy can also be affected by air movement due to doorways, ventilation, and traffic, avoid positioning in such areas.

Temperature Considerations.

Temperature variation can affect both the scale accuracy and the ink viscosities, ideally locate the Dispenser within a temperature controlled room, alternatively provide adequate heating/cooling to maintain constant temperatures around the scale and inks. Plan for adequate access, (at least 1m) around the dispenser and any pumps fitted.

Required Services.

The following services are required and should be provided at the location of installation of the Dispenser:

Air

IDS and HP systems 6bar minimum, 5 cfm, + 27.5 cfm per 1" pump installed.

LV systems, 6bar minimum 3 cfm + 27.5 cfm per 1" pump installed.

The air connection to the dispenser is a 12mm hard wall pipe fitting. Clean dry filtered air only is essential for correct operation of the Dispenser. It is recommended that an air

regulator and isolator are installed in-line with the supply to, and close to the dispenser, this should be a minimum diameter ½” bore pipe.

Power

220V single phase 10Amps, or 115V single phase 15Amps AC. All 220V systems are supplied with a 1000VA Uninterruptable Power Supply for surge protection and battery backup, this is for completion of current mix and controlled power down in the event of power loss not continued use. 115V systems require an equivalent UPS sourced on location.

Data Comms.

The preferred method for remote control/diagnostics to the Dispenser is via VNC (using port forwarding and a static IP address on the Dispenser), or Internet based access via www.logmein.com. Both require a network connection to the company server. Alternatively an analogue DDI telephone line for modem connection and LapLink software can be used for remote access where network access is impossible.

Floor Plans and Services Provision.

Floor Plans.

Floor plans or machine footprints are available prior to the install to allow for planning space utilization and service point locations.

Service Location and Installation.

All services should be installed at the location of installation of the dispenser prior to the arrival of the Vale-Tech Inovex engineer. Truncking, conduit/pipe work and plumbing runs to the dispenser are the responsibility of the customer. Should the final location not be fully decided prior to the install, provision must be made for a works engineer to undertake this work during the install without hindrance to the Vale-Tech Inovex engineer.

Additional Tools.

An SDS drill is required if the dispenser is to be anchored to a concrete floor. A conventional mains drill may also be required for preparing the lids for the suction/dip tubes and attaching cable tray to walls or ceilings.

Regulations and Waste Ink.

It is the responsibility of the site occupier to ensure that all services provided comply with all regulations regarding safety and installation. It is the responsibility of the site occupier to ensure that the dispenser area(s) provided comply with local environmental, fire safety and health and safety standards and regulations

Commissioning

All ink intended to be dispensed from the Dispenser should be present at the start of the install to allow sufficient time to fill, set levels and flow rates where applicable.

Installation Ink Usage.

IDS10 Dispensers require 10-12Kg of ink to set the full point, IDS25 Dispensers require 20-25Kg of ink to set the full point. Doubled up colours will require twice this quantity. Low use colours full point can be set to 10Kg to reduce ink aging in IDS25 pots. IDS LV Dispensers ideally require 100Kg+ but can be commissioned with less than 50Kg in a barrel, this, depending on hose run lengths, may leave little dispensable stock.

Consumables.

A free supply of wipes/rags, IPA or solvent cleaner, and several empty containers will be required during commissioning. Setting valve flow rates will normally consume between 500g and 1Kg of ink per container/barrel, disposal of which is the responsibility of the site occupier.

Database Conversion.

Formulation databases will usually require conversion by our software department, please ensure the database is submitted to our engineers at least two weeks prior to the intended install date. Database conversion may not be possible on-site.

Ink Locations.

Give some thought to the locations of the inks within the dispenser prior to installation; consider usage, viscosity, and proximity of similar colours to determine where the ink will go. Provision for uniformity over multiple sites where applicable.

Training

Time Frame.

Operator training should take place in the latter part of the second day of the install or first thing day three, providing the services and ink are ready on arrival. LV systems and IDS/HP systems with external pumps may take longer to install with training starting on day three or four.

Standard Training Time Provision.

Training is usually one full day (unless specifically requested otherwise). Training will be provided after the dispenser is installed, or a suitable point during the installation if essential. Training will be provided during normal working hours whenever possible. Training needs should be identified for personnel responsible for using the Dispenser, provision adequate time and availability for all personnel requiring training. It is vital that if the training is to be effective that the allocated time is uninterrupted. If further time or visits to site are required due to the unavailability of persons to be trained, Vale-Tech Inovex Ltd reserves the right to make additional charges.

Standard Training Plan

Three levels of training is usually offered, Basic, Intermediate, and Advanced, each covering aspects of the software relevant to user responsibilities. In addition to the user training, engineer training is also available on-site. Each level of training can be tailored to the specific requirements of the user groups. Personnel receiving training are required to have basic computer skills. Training groups should be restricted to a maximum of three operators at a time wherever possible.

Additional Training.

Where training of more than three operators/users at each level is required, additional training time may be required. Additional training time must be agreed prior to installation and arrival of the installation engineer. Advanced Stock Control, Reporting and Rework training is also available and is usually scheduled several weeks after installation to allow sufficient time to gain familiarity with the basic software/hardware operation.