Lockers

technical

Lockers

With hot desking and ABW workplaces becoming more common, the need for dynamic self-managed storage systems is ever growing.

The Schiavello locker range allows the office space to be transformed through an adaptable, innovative, practical and reliable storage system.

Through key locks, combination locks or the full electronic management options, Schiavello lockers have a solution for every workplace.

Contents

CONSTRUCTION /
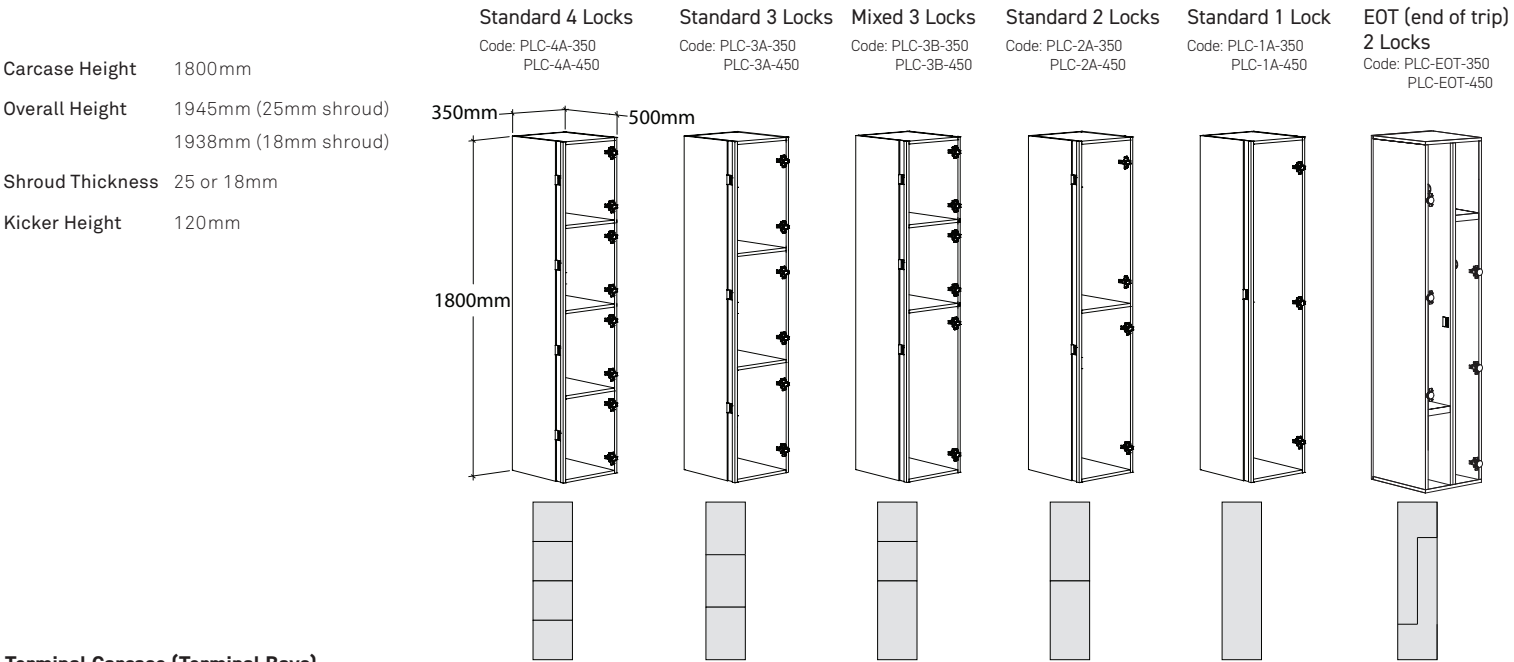## LOCKER & TERMINAL CUPBOARDS

Locker Carcase (Locker Bays)

Locker carcase or locker bays are typically constructed from 16mm white or black laminate with a matching 1mm ABS edge and are available in 2 standard widths: 350mm and 450mm. Caracse height is 1800mm not including the kicker or shroud.

Note: all carcase are made 0.5mm undersize in width to account for creep along the length of the locker bank.

Reverse sprung hinges and cable channels come standard with every carcase. Compatible with V3 or V3+ Locks. Locks and wiring listed separately.
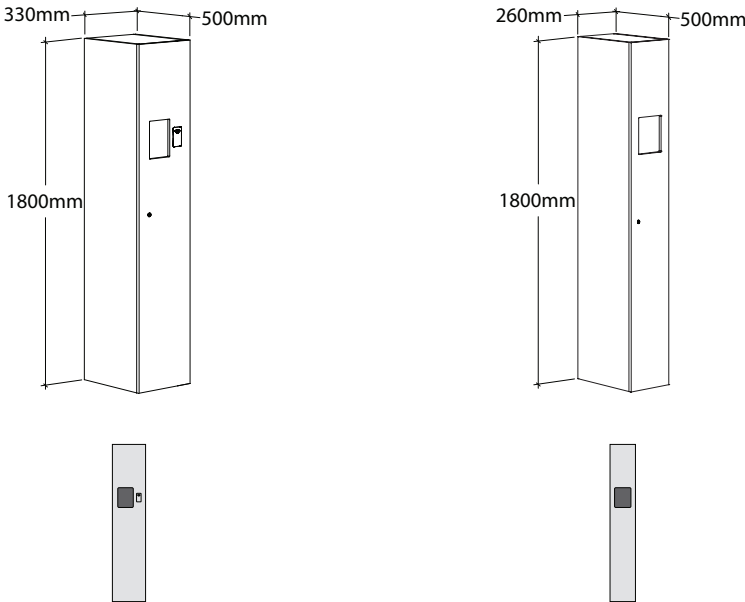
Lockers 350mm wide – internal width 315mm
Lockers 450mm wide – internal width 415mm
Lockers 500mm deep – internal depth 445mm

Carcase Height	1800mm
Overall Height	1945mm (25mm shroud)
	1938mm (18mm shroud)
Shroud Thickness	25 or 18mm
Kicker Height	120mm

Standard 4 Locks
Code: PLC-4A-350
PLC-4A-450

Standard 3 Locks
Code: PLC-3A-350
PLC-3A-450

Mixed 3 Locks
Code: PLC-3B-350
PLC-3B-450

Standard 2 Locks
Code: PLC-2A-350
PLC-2A-450

Standard 1 Lock
Code: PLC-1A-350
PLC-1A-450

EOT (end of trip) 2 Locks
Code: PLC-EOT-350
PLC-EOT-450

Terminal Carcase (Terminal Bays)

Standard Terminal Carcase
(LBC 3.0)

Code: PLC-T2-350
PLC-T2-450

End of Run Terminal Carcase
(LBC 3.0)

Code: PLC-EOR2-350
PLC-EOR2-450

CONSTRUCTION /
TERMINAL CUPBOARD SPECIFICATIONS

Terminal Carcase LBC 3.0
There are 2 standard types of terminal cupboards, standard and end of run. A standard terminal cupboard is 330mm wide for LBC 3.0. The width of LBC 3.0 is in order to accommodate the reader mounted to the right hand side; the reader can not be repositioned above or below the screen.
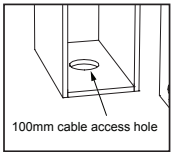
An end of run terminal cupboard is designed to be positioned at the end of a bank of lockers. End of run terminal cupboards are only 150mm deep and their widths are varied to suit the locker bank. End of run terminal cupboards can be used with either single or back to back banks.

Both styles of terminal cupboards include access holes, one fixed shelf and a key lock door. Where possible, terminal cupboards should be used to house the power supplies and UPS units, see page 08 for full details of power supplies and UPS units.

Other Terminal Mounting
Terminals can be mounted in other places like walls or lockers. If mounting is to be other than in teminal cupboards please contact SM Wood Furniture to confirm the wiring requirements. Generally if a locker is used to house the terminal, LBC 3.0, access is required out the back of the locker, allowing the wiring to travel either up or down to the electronics hardware. If there is not already a cavity at the back, then the depth of the lockers either above or below the terminal will be reduced by 50mm to create the cavity.
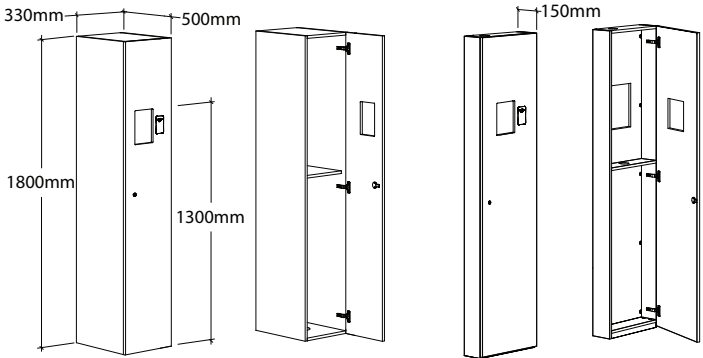
Construction
Terminal carcases are constructed from 16mm white laminate with a matching 1mm ABS edge. Standard terminal cupboard width is 330mm for LBC 3.0. The standard height is 1800mm, not including the kicker or shroud. End of run terminal cupboards are 150mm deep with widths to suit.

Cable Access
Terminal cupboards house UPS and power supply. Cables from these devices are fed out of the carcase through access holes in the shelf at either the top or bottom. The location of the access holes is dependant on where the electronics will be installed, above or below.
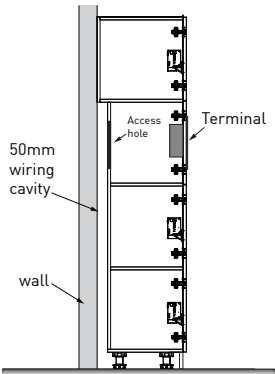

100mm cable access hole

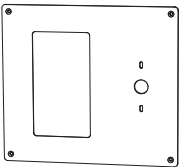Standard Terminal Carcase
(LBC 3.0)

End of Run Terminal Carcase
(LBC 3.0)

Terminal in Locker
(LBC 3.0)

Wall Mount Terminal Plate
(LBC 3.0)

Code: PWMP3F (front mount)
PWMP3R (rear mount)

Wall Mount Dimensions	258 W x 230mm H
Stainless Steel Thickness	3mm

Available for front/rear mounting

CONSTRUCTION LOCKS /
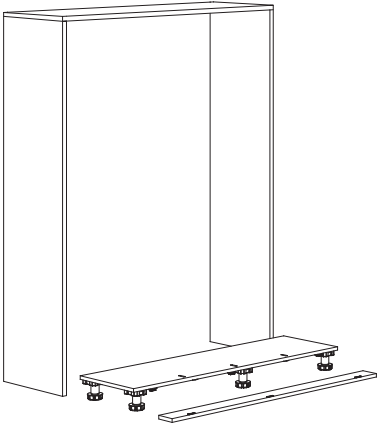## SHROUDS & KICKERS,
KEY & COMBINATION LOCKS

Shrouds & Kickers

Shrouds are constructed from either 25mm or 18mm laminate with a 1mm ABS edge strip. The board width must be specified (note: specialist colours are often only available in 18mm board). Shrouds do not include a back panel unless it is specified. Kickers are available standard at 120mm.

The kicker allows access to the wiring as it is attached with magnets to blocks that are placed around the adjustable levelling feet. The magnets will hold the kicker in place but also allow someone to gain access if necessary without any special tools being required. The adjustable levelling feet mounting blocks come fitted to the base board, ready for the leg to be fitted on site. The levelling feet and base boards are set up and levelled before the carcases are placed on top of them.

Shroud	120mm
Kicker Depth	500mm
Kicker Height	1945mm

(Custom sizes available upon request).
Below dimensions based on 25mm shroud

Code:	PLK-1450	- (350 x 4)+ 50 (2 ends)
Code:	PLK-1700	- (350 x 4) + 250 + 50 (2 ends)
Code:	PLK-1800	- (350 x 5) + 50 (2 ends)
Code:	PLK-1850	- (450 x 4) + 50 (2 ends)
Code:	PLK-2050	- (350 x 5) + 250 + 50 (2 ends)
Code:	PLK-2100	- (450 x 4) + 250 + 50 (2 ends)
Code:	PLK-2150	- (350 x 6) + 50 (2 ends)
Code:	PLK-2300	- (450 x 5) + 50 (2 ends)
Code:	PLK-2400	- (350 x 6) + 250 + 50 (2 ends)
Code:	PLK-2550	- (450 x 5) + 250 + 50 (2 ends)

Cam Locks (Non-Vecos Lock Options)

Key Cam Locks
Code: PCL-KEY

Solid metal ¾ cam locks with master key

Combination Cam Locks
Code: PCL-COM3

Solid metal combination cam lock with master key override. ¾ keyed cam lock. Dual access, key or combination.

Electronic Battery Combination Lock

MiniK10
Code: PCL-MK10

Electronic cabinet locks feature a master/manager code, one-time-use functionality and up to 10 year's battery life. It can be installed vertically or horizontally and either right or left handed. The MiniK10 has three potential password levels and can operate in two different modes: single user or multiple user.

Zenith
Code: PCL-MK10

With a solid zinc alloy housing, 10-digit keypad, multiple fixing points and a secure key override as standard, the Zenith digital lock is the perfect choice for a wide variety of applications. The Zenith range of locks is truly versatile and includes flush and surface mounting form and has a slam bolt closing option. It is a lock that is designed specifically for use in wet and chlorinated areas.

VECOS /
INTRODUCTION & HARDWARE

Introduction

The Vecos electronic locker system is a highly refined complete locker management solution designed in the Netherlands and sold throughout Europe and Australia. The Vecos system is well established as a market leader.

Vecos Lockers are available in 2 versions: the V3 and the V3+. The V3 system relies on the terminals for access to a locker, whereas a V3+ system can access the locker via the terminal or directly at the door.

Both the V3 and the V3+ systems feature the push to release mechanism, a USB charge port and internal lighting. The push to release mech is an important feature as it means the locker will stay locked until the door is pushed upon. This means people's lockers will not be accidently opened without people realising it.

The V3 system features a status indicator light in every lock and you can choose to have a light indicator lozenge fitted to each door. For V3+ the system features a card reader and status indicator light.

An override switch comes with V3 and V3+. The override switch will unlock all the doors of the locker bank and is part of the control terminal.

Both systems connect across a network and are controlled by the Releezme software on a Windows server or cloud SAAS. The Vecos system is very adaptable and can support numerous forms of card readers and other identification methods such as barcode, pin code and NFC. Please contact the Schiavello Vecos Team with your particular requirement.
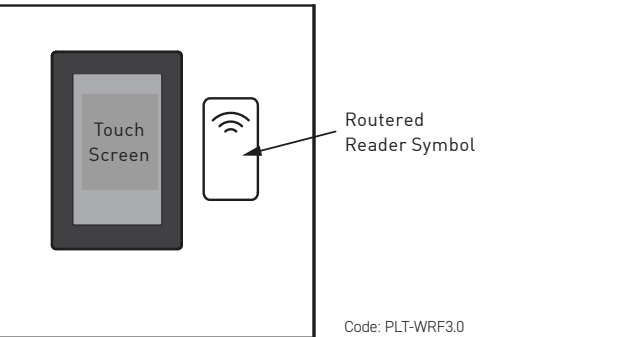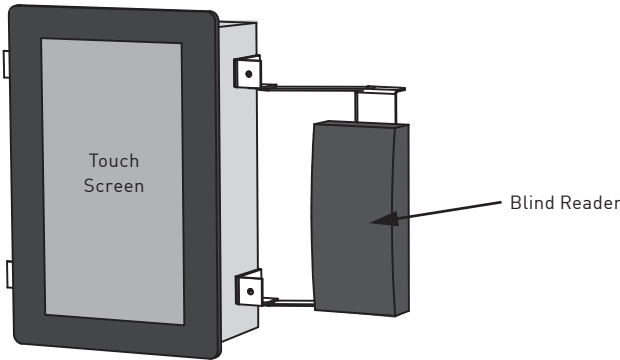
Vecos Electronic Locker System (Hardware)

LBC 3.0

LBC 3.0 is a 175mm colour touch screen mounted with a blind reader that sits behind the laminate door. A reader symbol is routered into the door to show the swipe location. Please specify the colour for the symbols routered lines.

LBC 3.0 can be mounted in locker doors or terminal cupboards and requires a minimum door width of 330mm and carcase depth of 150mm. LBC 3.0 also features a built in override switch.

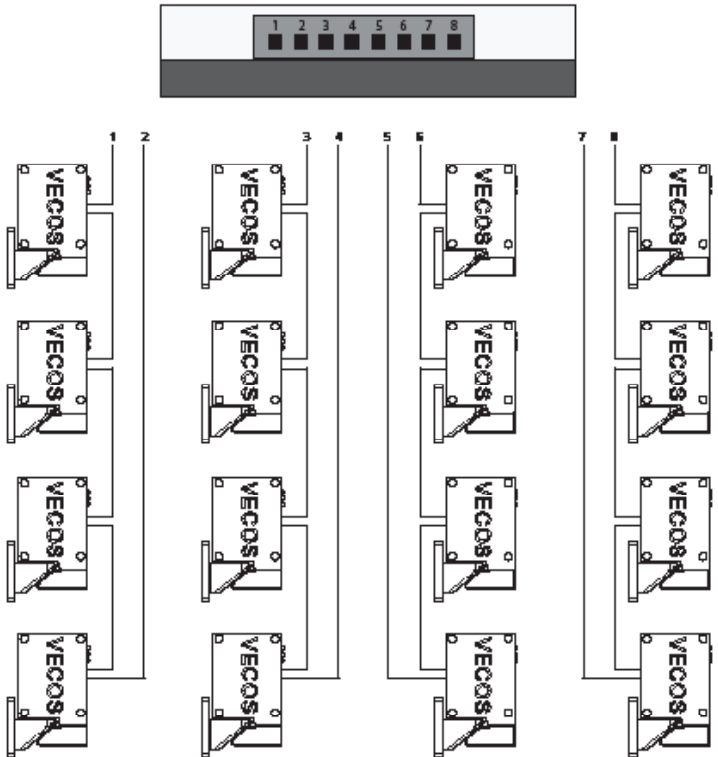LBC 3.0 can be wall mounted with the LBC 3.0 wall mount adaptor plate.

Touch Screen

Blind Reader

Touch Screen

Routered Reader Symbol

Code: PLT-WRF3.0

VECOS HARDWARE /
HUBS V3 & V3+

Hubs

Hubs are installed at floor level behind the detachable kicker rail or above the lockers behind a pelmet. The hub connects the locks with the terminal, Windows PC or Releezme software.

Hub V3 & V3+

Hub V3 and V3+ have 8 outs for a maximum of 24 V3+ Locks (V3 Locks daisy chain, maximum of 6 locks per chain). The terminal can support a maximum of 256 V3+ Locks.
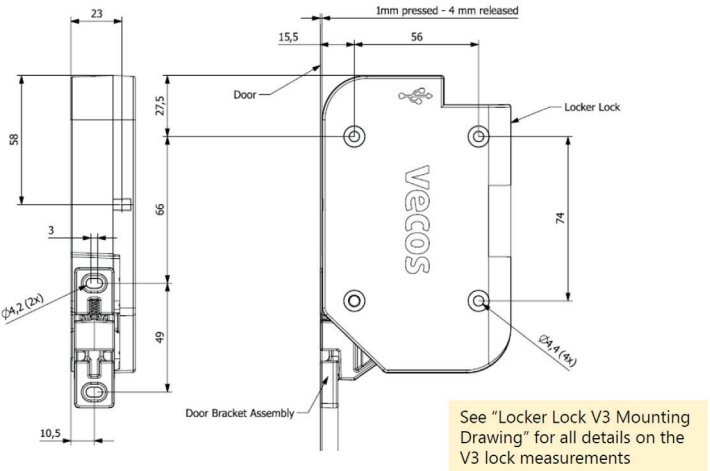
Code: PLT-WRF3.0

VECOS HARDWARE /
V3 & V3+ LOCKS, POWER & UPS

V3 & V3+ Locks

The Vecos electronic locks are available in 2 versions: V3 and V3+. Both locks feature internal lighting and a USB port. The door catch is designed to release a door and if unopened it will re-engage the lock. The hinges of the door are on the right hand side standard, left side opens. Doors can be ordered for left hand hinges but must be specified.

V3 Screws   56mm W x 74mm H

V3 Locks must be scanned at a terminal and have no status indicator light. The V3+ Locks include a card reader with each lock, allowing lockers to be scanned at the door. There is also a status indicator light set in the door. V3+ Locks can read Mifare cards at the door. If you have any other card type, contact Schiavello Vecos Team to confirm its compatibility.

Note: V3+ 5v 600ma supply constant. V3 5v 100 – 600ma supply varies, depending on how many USB sockets are being used off the 1 hub.

See "Locker Lock V3 Mounting Drawing" for all details on the V3 lock measurements

240V Enclosed Power Supply

The power supply connects to the hubs, which then supply the power to the individual locks and the terminal. Power supplies come in a range of sizes dependent on the number of lockers in the block.

Code: HLG-240-24A (130 @ V3 locks or 42 @ V3+ locks)
     HLG-320-24A (170 @ V3 locks or 56 @ V3+ locks)
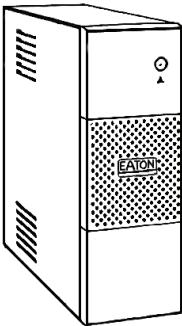   HLG-600-24A (320 @ V3 locks or 106 @ V3+ locks)

Code: PLPS

UPS – Uninterrupted Power Supply

A battery backup for power outages.

Please note: in the event of a power outage, we recommend all staff to go to their lockers and open them once only, remove what is required for the day and then don't open them again until the power is back on as once the UPS runs out of power it will not be possible to open any lockers.

Code: UPS

VECOS HARDWARE /
COMPUTER,SERVER & SOFTWARE,
HARDWARE CONFIGURATION

Computer/Server and Software Requirements

Releezme replaces the Smart Access software previously offered. Unlike Smart Access, Releezme also gives an option for cloud setup, removing the need for an on-premise server. If your customer is looking at an on-premise solution, please look to the table for the required hardware and software.
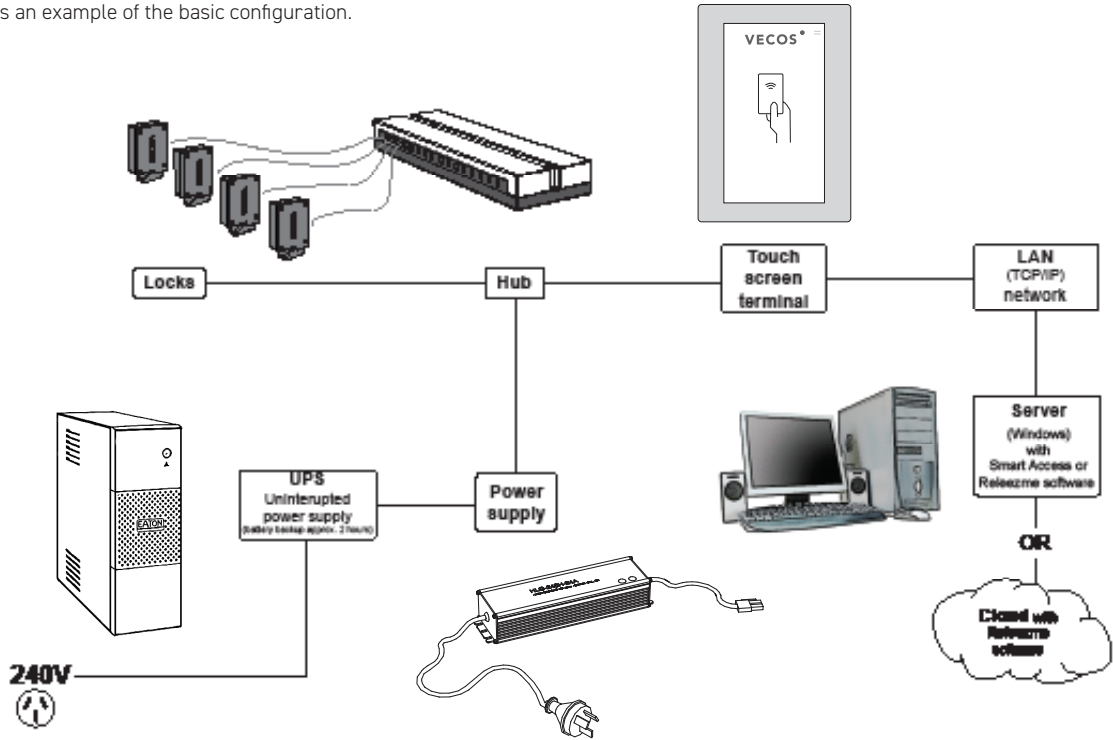
Note: generally on-premise servers are for jobs of 3000+ lockers due to cost.

RELEEZME COMPONENT	PURPOSE	MICROSOFT SOFTWARE COMPONENT
Releezme System	Mandatory requirements for all components	Windows Server 2012 R2 x64 Standard Net Framework 4.6
Installation Software	Required components for installation itself	PowerShell 4.0 xWebAdministration powershell extensions WebPlatform installer 5.0 Package Management PowerShell Modules
Applications	LBC Communication module that runs as a service; Job Scheduler that runs a service	-
Configuration Website	Web-based configuration application	IIS 8.5 with URL Rewrite Module
Database	Data storage	SQL Sever 2014 (locally or remote)
Service Bus	Communication mechanism between Releezme server	Service Bus for Windows Server v.1.1 Windows Fabric 1.0
Cache	Fast retrieval of often used data	Redis Cache 3.0.501 (https://github.com/MSOpenTech/redis
Terminal Interface	TCP/IP based interface through which the LBC's communicate with the Releezme server	-
Mobile API	REST based API to which the mobile apps connect	IIS 8.5 with URL Rewrite Module
Import API	REST based API to which the import client connects	IIS 8.5 with URL Rewrite Module
Report API	WCF Data Services based API (ODATA)	IIS 8.5 with URL Rewrite Module

SYSTEM COMPONENT	
Operating System	Windows Server 2012 R2 Standard 64 bit
CPU	2 CPUs (or 2 vCPUs), (4 CPUs or 4 vCPUs if MS-SQL is on the same machine), minimal 2.4 GHz
Internal Memory	8GB internal memory (16GB if MS-SQL is on the same machine)
Storage	100GB free disc space (for logging in the database)
Ethernet Connection	Gigabit
SQL Server	SQL Server 2014 Standard Edition
Security Certificate	Trusted certification chain required, but acquired by customer

Hardware Configuration

There are many configuration options with the Vecos Locks.
The below diagram is an example of the basic configuration.

SOFTWARE /
RELEEZME

Releezme

Launched late 2016, Vecos Releezme software replaces the long-running and reliable Smart Access software, adding new levels of functionality to Vecos Locker Systems. Releezme has been developed for activity based working, encouraging a dynamic use of the workplace and optimising the amount of cabinet space and minimising the amount of time required for locker management. With Releezme, static and dynamic lockers are just the beginning. Releezme allows for multiple user groups and assignment rules that change the way the system operates for different users.

One user may be set up to have access to multiple lockers and locker banks while another might only have access to one locker or locker bank. Combine this functionality with the anti-claiming rules and the users are able to self-manage their lockers within the scope of their configuration, greatly reducing the amount of time that management needs to invest in locker management. Releezme streamlines the management process while recording every action in the system. This then allows management to go back and explore any issues, establishing exactly what has occurred or who has had been using the system.

RELEEZME /
MOBILE APP

Mobile App
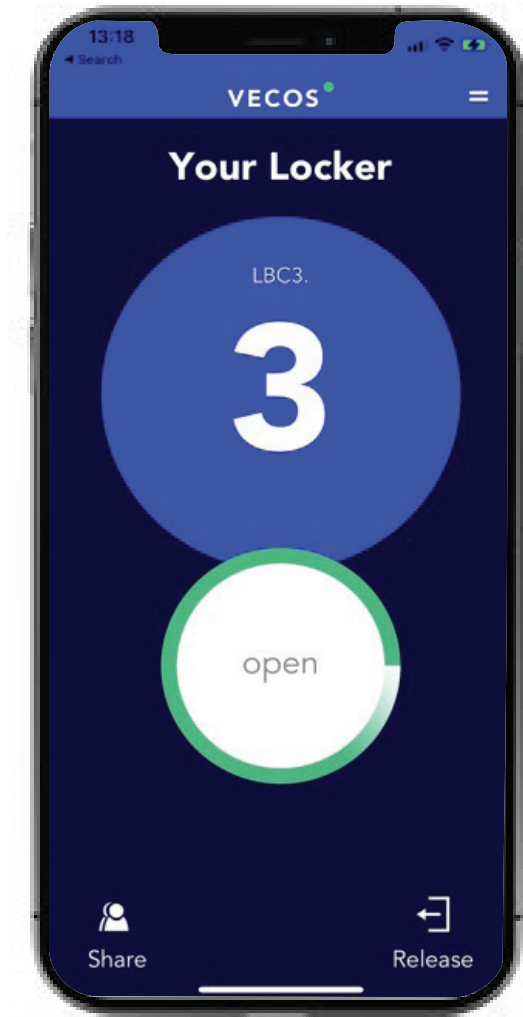
How to link your phone to the lockers via access card

1. Download and open the **Releezme app** on your phone from either the Google Play store for Android or the App Store for the iPhone.

2. In the app, select '**Scan now**'. You must allow the app to access your camera.

3. **Scan the QR code** provided by the company's Vecos Locker administrator. This is usually posted on a message board or next to a locker terminal. **Note:** LBC 3.0 shows the QR code on the screen.

4. Click '**Register**' in the app.

5. Select '**Link Phone**' on the terminal touch screen.

6. Enter the unique '**Phone code**' provided by the app into the locker terminal and press '**OK**'.

7. **Swipe your locker access card** as requested on the terminal reader.

8. **Choose your building location** from the list provided (this may be already pre-assigned to you).

9. **Choose the locker bank location** from the list provided if applicable, (you may already have a locker assigned to you).

10. Your phone should now show **your locker number as a button**. Your locker is now linked to your card in the Releezme software. **Press the locker number button** on your phone to test.

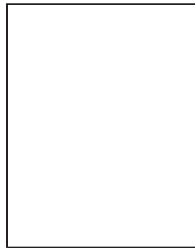# DOORS /
DOORS, VENTS & ACCESSORIES

Doors

Doors are available in 18mm laminate or 18mm powder coated MDF. Veneers and metal doors are available upon request. Laminate doors feature a 1mm hard ABS edge. Powder coated doors can more easily incorporate cutouts and irregular shapes. Vecos doors must have the hinges on the right hand side. Doors for V3 Locks also include a status indicator light.
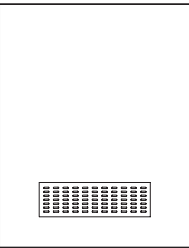
Vents & Accessories

The standard Prima vent, 240mm x 85mm, is a powder coated aluminium vent with 12.7mm x 3.35mm capsule shaped perforations.

Names, numbers and paper trays can all be incorporated onto the doors. Please contact Schiavello for full details.
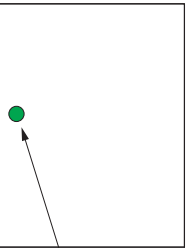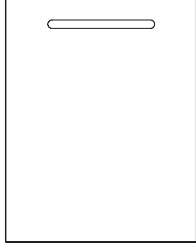
Door Type A
Solid

Door Type A
Solid with Vent

Door Type A
Solid with Light

Door Type B
Letterbox

Door Type C
Mailbox

Indicator Light
(**Note**: for V3 Locks only)

Door Numbering

Vinyl stickers offers the most flexibility with more fonts, colours and sizing options available. Three digit vinyl is standard.

Printed aluminium tags produced to order; offers a wide range of options including font, color and sizing.

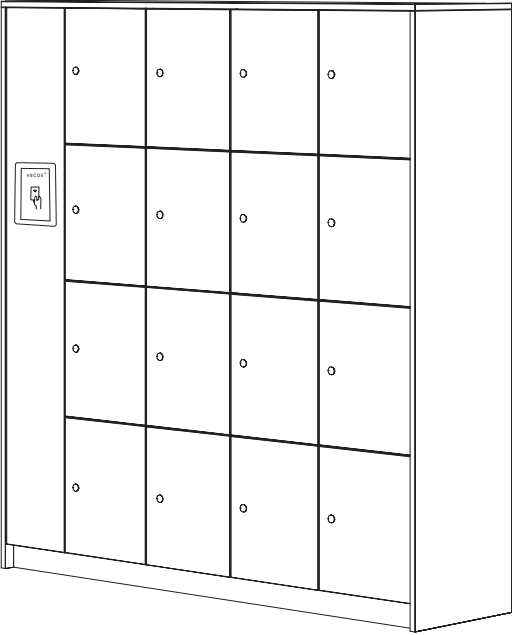Note: other fonts are not available, contact Schiavello with your specific request).

Plastic numbers are available in a wide range of colours and can be inserted into the routered cutouts to give a raised number.

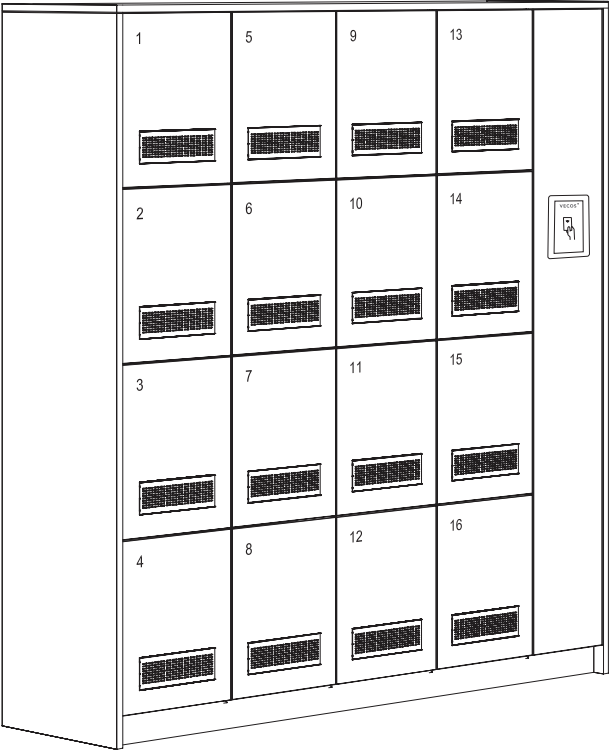1234567890.

DOORS /
DOORS, VENTS & ACCESSORIES

Vecos V3+ with Terminal

16 lockers fitted with Vecos V3+ electronic locks. Includes terminal and status indicator lights to each door with a standard 25mm laminate shroud.

Vecos V3 with Terminal, Vents & Numbers

16 lockers fitted with Vecos V3 electronic locks with a terminal.
Powder coated doors with machined numbers and vents to each door.

PRODUCT SPECIFICATION /
GENERAL, CONSTRUCTION, FINISHES, FEATURES, ACCESSORIES & WARRANTY

General

Schiavello Lockers is a fully refined locker system manufactured in Australia by Schiavello. Supplied as a standard laminate carcase and available with a range of configurations and sizes as well as many options on door styles, finishes, lock types and accessories.

There are multiple options for locker lock types including key, combination, swipe card or the complete network based system, the European VECOS electronic lock management system with swipe card technology and touch screen terminals.

The Vecos locker system is a highly evolved and proven electronic locker management system utilising RFID scanning technologies and network capabilities to allow one central hub for monitoring and maintaining 1000s of lockers and users.

Construction

Locker carcase are constructed from 16mm melamine with 2mm hard ABS edges. Cable channelling is machined down either side of the carcase allowing all cables to be concealed. Carcase are supported with adjustable feet hidden behind a 100mm kicker rail.

Available with varying lock types, key, combi-cam, combination electronic (battery), see page 03, or the full Vecos electronic network solution, page 06.

Finishes

Laminate carcass with a choice of laminate, metal, powder coated or veneer doors.

Shrouds and doors can be customised to customer requirements but are generally either laminate or powder coated MDF. Standard shroud thickness 25mm, laminate shrouds have a 2mm hard ABS edging.

Veneers and metal doors can also be incorporated for premium installations. Laminate doors feature a 1mm hard ABS edging. Doors can incorporate vents, letter slots, cutouts and machined numbering depending on the finishes. Please see page 10 for full door options.

Features

Vecos locks feature a unique push release system, enabling lockers to be released and if not opened, re-locked. Locks feature internal lighting and a USB port. V3+ locks include their own card reader allowing lockers to be scanned at the door. The V3+ system can be run with minimal terminals. The V3 system must have a terminal near the locker.

The Vecos system is very adaptable and can support numerous forms of readers and other identification methods such as barcode, pin code and NFC. Please contact Schiavello with your particular requirement.

Accessories

Shelves, vents, letter slots, numbering and cutouts can all be incorporated. Please contact Schiavello with your specific requirements.

Warranty & Guarantee

Cabinetry

Vecos Lockers are covered by a standard Schiavello 5 year warranty against faulty materials and workmanship that includes a guarantee to supply parts of all standard components and service for a period of no less than 10 years' from date of installation.

Electronics

Vecos electronic hardware is covered by a 2 year warranty on new materials and 3 months on software.

Please refer to the Schiavello Vecos Service Level Agreement (SLA) for full details of the services and terms of warranty.

www.schiavello.com
SCH/TLOC01-D

schiavello