

Integral Blind Sealed Units

Venetian, pleated and Wave blinds permanently sealed between glass

MOST POPULAR

SL20-22SV Cordless Venetian, White, in 28mm unit (4-20-4) Low-E argon warm edge. Child-safe, dust-free, maintenance-free. 10-15 working day lead time.

Product Overview

CSU Ltd supplies sealed units with integral blinds — Venetian, pleated or Wave blinds permanently sealed within the cavity of a double glazed unit. Because the blind is sealed inside the glass cavity, it never needs cleaning, cannot be damaged, and is completely child-safe with no hanging cords. Warm edge spacers come as standard; argon fill is an optional upgrade.

Integral Blind Systems — Complete Range

System	Type	Cavity	Control	Key Feature
SL20-22C	Venetian	20mm	Continuous cord	Standard corded. Most popular.
SL20-22SV ★	Venetian	20mm	Magnetic slider	Cordless child-safe. Best seller.
SL20-22SV+	Venetian	20mm	Symmetrical slider	Identical look both sides.
SL20-22W Smart	Venetian	20mm	Battery + solar motor	Remote control. No wiring.
Pleated Dim-Out	Fabric	20mm	Cord / slider	Light-reducing white fabric.
Pleated Blackout	Fabric	20mm	Cord / slider	100% light blocking.
Wave	Film	20mm	Motorised	Unique wave geometry look.

Glass Options for Integral Blind Units

Configuration	Thickness	U-value	Application
4-20-4 Low-E Argon ★	28mm	0.9	Standard — most popular
6.8L-20-4 Low-E	30.8mm	1.0	Security (Part Q)
T6-20-T4 Low-E	30mm	0.9	Safety locations

How Integral Blinds Work

The blind mechanism uses a magnetic coupling system. An internal drive inside the sealed cavity connects to an external control device (cord winder, magnetic slider or motor) through the glass via magnets — without penetrating the hermetic seal. This maintains the unit's gas-tight integrity while allowing full blind control. Venetian blinds can be raised, lowered and tilted to any angle. Pleated blinds raise and lower. The Smart system uses a

rechargeable battery with solar panel — no wiring needed.

Applications

- **Bifold and patio doors:** the #1 application — privacy and shade without curtains interfering with panels.
- **French doors:** no obstruction when opening/closing.
- **Bedrooms:** pleated blackout for 100% light blocking.
- **Bathrooms:** privacy at the touch of a slider.
- **Conservatories:** solar control without dust-collecting traditional blinds.
- **Healthcare and schools:** hygienic, dust-free, child-safe, indestructible — sealed inside glass.

Specifications

Property	Specification
Venetian slats	Aluminium, powder-coated, full colour range
Min size	300 x 300mm
Max width	2600mm (wider: multiple blinds side by side)
Child safety	All systems child-safe. Cordless options have zero external cords.
Warranty	5-year blind + unit. 2-year external components.
Lead time	10-15 working days from order confirmation.

Handling, Storage & Lead Times

- **Storage:** Store vertically on A-frames under cover. Never store flat.
- **Handling:** Suction cups for units over 25kg. Mechanical handling over 60kg.
- **Edge protection:** Protect edges during transport. Avoid glass-to-glass contact.
- **Installation:** Install within 28 days of delivery for warranty validity.
- **Temperature:** Do not install below 5°C. Allow units to acclimatise first.

Product	Standard	Express	Notes
Standard DGU	3-5 days	1-2 days	Most configs
Triple Glazed	5-7 days	3-4 days	Warm edge std
Integral Blinds	10-15 days	—	Made to order
Jumbo Units	5-10 days	—	Size dependent
Shaped Units	5-7 days	—	Template req.
Fire-Rated	7-14 days	—	Availability
Walk-On Glass	7-10 days	—	SGP lamination

Product	Standard	Express	Notes
Smart Glass	10-15 days	—	PDLC film

How to Order

Contact our sales team: 020 8574 9342 | 07305 993794 | sales@csultd.co.uk | csultd.co.uk — quotes returned within 2 business hours (Mon-Fri, 8am-5pm).