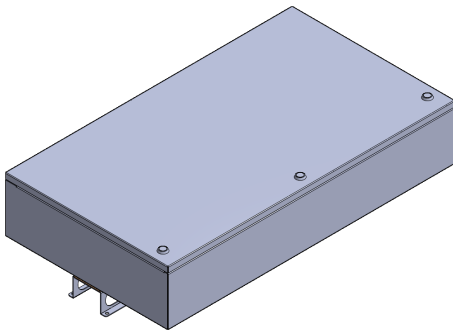




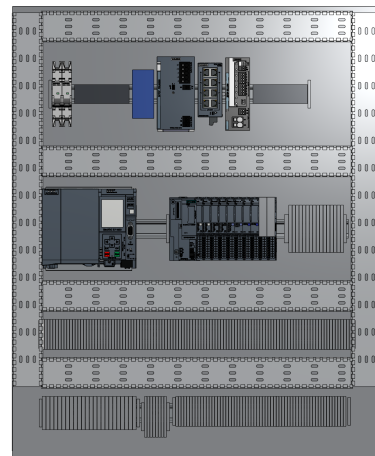
BRAUMAT® Brewery / SISTAR® Industry Batch Control Kit

A prebuilt, washdown-ready Siemens process control system — PLC, industrial PC, touchscreen console, and the BRAUMAT/SISTAR batch engine — delivered as one tested kit.

Stand up real batch control in days, not months. The Lean Kit pairs Siemens' brewery-proven BRAUMAT/SISTAR V8.2 platform (Lean tier, 4–40 process units) with a stainless operator console and a prewired stainless control panel. Sequences, recipes, batch logging, trends, and alarms come preconfigured with starter brewing units — connect your field devices to labeled terminals, load a recipe, and brew.



Operator console cabinet (Hope Industrial ENCL-PC, 304 SS, UL 508A Listed) — 19.5" multitouch + sealed keyboard pedestal-mount on top



Control panel subpanel with manufacturer CAD models — CPU 1516-3 PN/DP, ET 200SP I/O, SITOP PSU8200 + selectivity + UPS, SCALANCE switch, relays & terminals (Saginaw 36x30x12 304 SS)

WHY BREWERIES PICK IT

Real batch pedigree

BRAUMAT has run major breweries since the 1980s. Same engine, right-sized: Lean tier covers 4–40 units.

PLC-resident control

Sequences and interlocks live in the S7-1500. Windows reboots never stop a brew.

Washdown stainless

NEMA 4X 304 SS console and panel; IP69K-front multitouch display; sealed keyboard.

Prewired I/O

32 DI / 32 DO / 16 AI / 8 AO landed on labeled terminals, with spare slots ready for growth.

Power-loss resilient

Buffered CPU memory holds batch state; console UPS shuts Windows down cleanly and reboots to the process picture.

Recipes, not programming

New beers are recipe edits with guarded setpoints — no PLC changes, full batch log on every brew.

TWO EDITIONS, ONE HARDWARE

BREW edition

BREW-KIT-01 — Siemens BRAUMAT

Brewery terminology and starter units: HLT, mash tun, lauter tun, kettle, whirlpool, wort cooling, CIP, fermenter templates. From grain-in to knockout with the batch log running.

BATCH edition

BATCH-KIT-01 — Siemens SISTAR

The same platform for beverage, food, and chemical batch processes: reactor/tank/transfer/CIP starter units and generic batch terminology.

Arrives working

IOS + PLC project preloaded, point-checked, and water-batch tested before it ships.

Grows with you

Spare I/O slots, 40-unit license ceiling, add office clients later — recipes and history carry forward.

One PROFINET cable

Console to panel. No servers, no IT project, no surprises.

SYSTEM SPECIFICATIONS

Control system		Operator console	
Platform	Siemens BRAUMAT/SISTAR V8.2, Lean (4–40 units), single-station IOS	Display	19.5" FHD PCAP multitouch, stainless, NEMA 4X, IP69K front, HazLoc rated
Controller	SIMATIC S7-1500 CPU 1516-3 PN/DP + PS 60W HF buffered supply (retentive batch state)	Keyboard	Sealed stainless, full-travel keys + touchpad, NEMA 4X
Capacity	40 unit/sequence DBs · 40 monitoring DBs · 10 routes (2 concurrent)	Cabinet	Hope Industrial ENCL-PC 304 SS, UL 508A Listed, pedestal + floor stand, internal cooling
Operator station	SIMATIC Microbox IPC, Windows IoT Enterprise LTSC, IOS server + client + SQL on one PC	Power ride-through	SITOP UPS1600 + battery: clean OS shutdown, automatic recovery
Network	PROFINET plant bus, SCALANCE switch, dedicated service port; isolated office uplink available (CPU X2)	Control panel	
Prewired field I/O (expandable)		Enclosure	Saginaw Enviroline 304 SS wall-mount, 36 × 30 × 12 in, NEMA 4X
Digital in	32 × 24 VDC (valve feedback, run confirms, switches)	Power	120 VAC single-phase feed per enclosure; SITOP 24 VDC system + field supply, breaker-protected distribution
Digital out	32 × 24 VDC 0.5 A, group-fused (solenoids, starts)	Terminals	~96 labeled field points, shield rail, 20% spares, bottom gland entry
Analog in	8 × RTD (Pt100) + 8 × 4–20 mA	Environment & compliance	
Analog out	8 × 4–20 mA (control valves, VFD references)	Rating	NEMA 4X / IP65-66 enclosures; washdown service
Expansion	Spare ET 200SP slots in place; add modules without redesign	Temperature	0–50 °C operating (console)
		Listings	Console UL 508A Listed (E340976); panel built to UL 508A practice

WHAT'S IN THE KIT

Operator console (display, keyboard, pedestal, floor stand, IPC, UPS, cabling) · Control panel (CPU, buffered supply, ET 200SP I/O, 24 V system, switch, terminals) · BRAUMAT or SISTAR V8.2 Lean license · Preloaded PLC project with starter units · Preconfigured IOS with process diagrams, demo recipe, trends, alarms, user roles · I/O schedule, network drawing, golden-image backups · Water-batch factory test · Think-PLC commissioning support and free operator eLearning course.

ORDERING

Model	Edition	Description
BREW-KIT-01	BRAUMAT	Lean brewery control kit, 32/32/16/8 I/O, brewing starter units
BATCH-KIT-01	SISTAR	Lean batch control kit, 32/32/16/8 I/O, generic batch starter units

Options: process unit add-ins (engineered per unit, license covers 40), BRAUMAT/SISTAR Engineering development license, pre-built BRAUMAT/SISTAR virtual machine (latest Windows), TIA Portal software (RFQ), expanded I/O, 3-wire RTD inputs, PROFINET VFD packages, second operator client, site commissioning. Base kit price excludes BRAUMAT/SISTAR licensing and Siemens setup services (quoted separately). Specifications subject to change; BRAUMAT and SISTAR are products of Siemens AG.