



SAMPLING SYSTEMS

for Water & Steam

3

V-5
V-4

VREL

PCV-1

V-3

V-3

TSV-1

SC-1

SC-1

FI 1

FI 1

PI 1

TW 1

TI 1

PI 1

TW 1

TI 1

BPR/RV

BPR/RV

SC

CE-1

K=

RC

CC

CE-1

K=

SC

CE-1

K=

RC

CC

CE-1

K=

pH

AE-1

TO LINE 1

SC

CE-1

K=

RC

CC

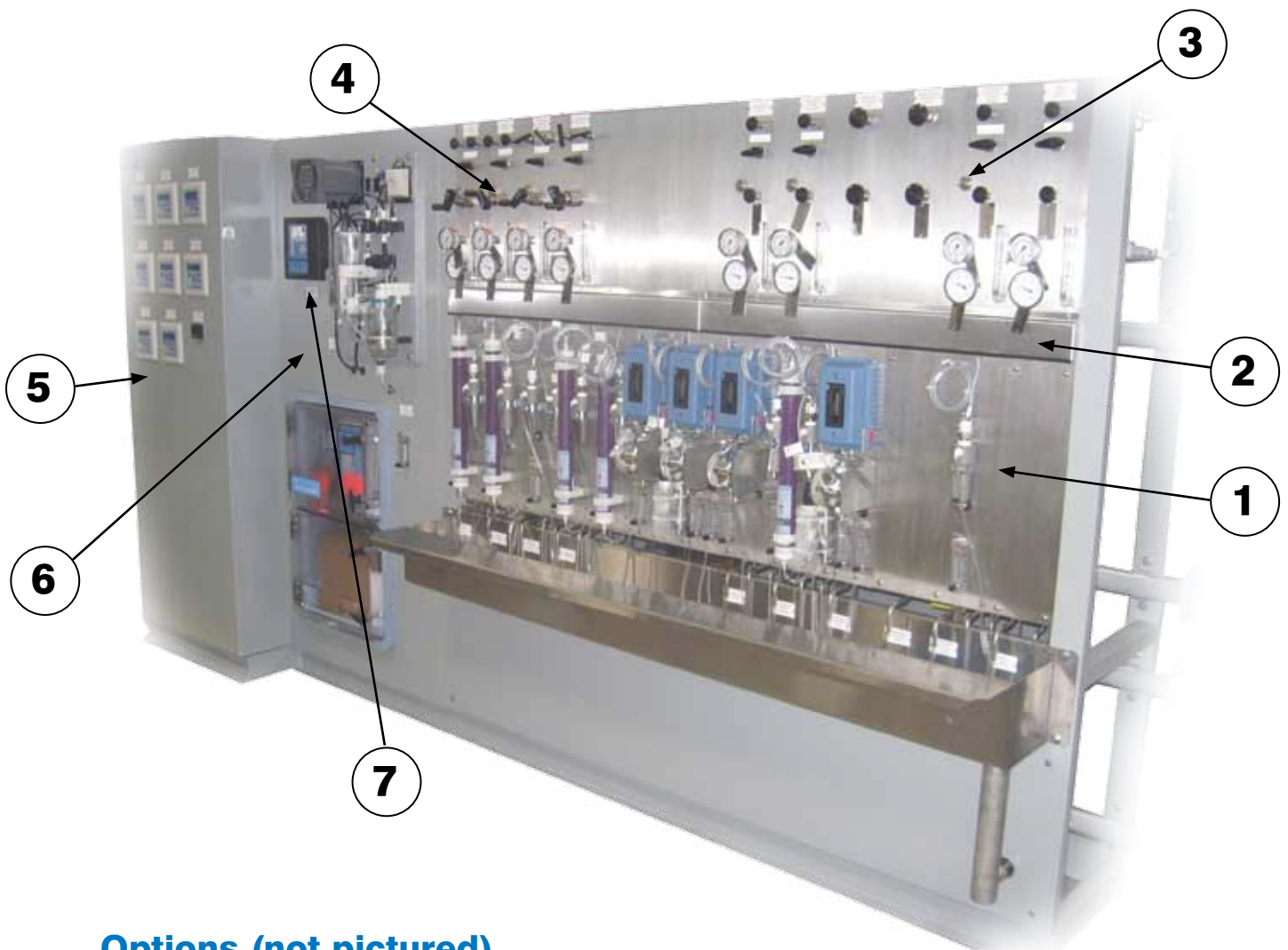
CE-1

K=

FEATURES OF A USER-FRIENDLY SAMPLE PANEL

Sampling and Analysis Systems (front view)

- 1) Valves and sensors mounted on front of panel over sink for ease of calibration and maintenance.
- 2) Recessed wireway located along front of panel with SS cover plate to simplify probe replacement.
- 3) Thermal shut-off valve with visual trip indication on panel front.
- 4) Pressure reducing valve, VREL[®] with speed handle — sample line flow is set with one adjustment.
- 5) Control/monitor panel isolates electrical components from wet section.
- 6) Wet analyzer panel; flush, surface, or rear-mounted analyzers.
- 7) Sample sequencing featuring Sample Sequencer[®] IV to reduce the number of required analyzers.

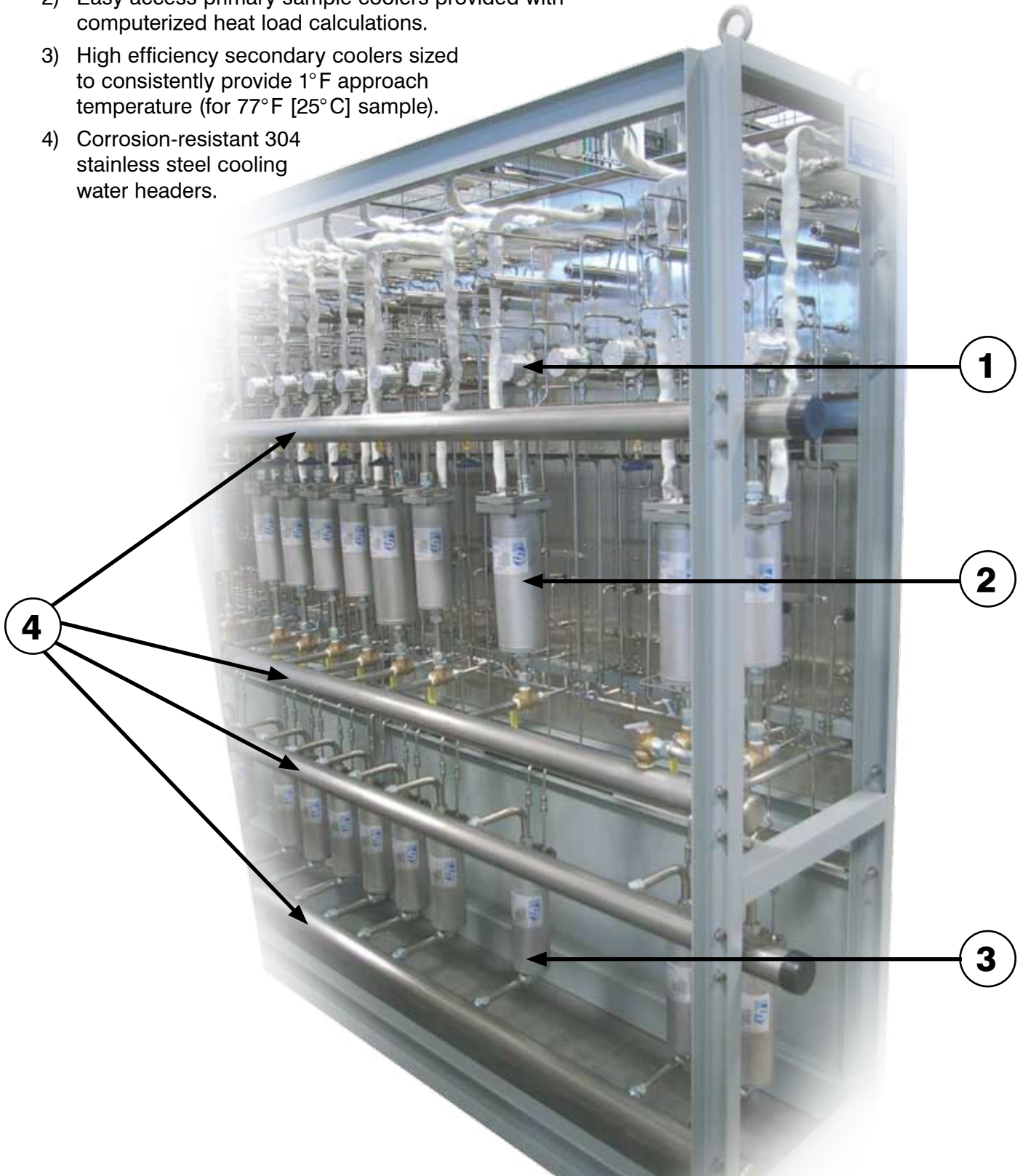


Options (not pictured)

- Temperature Control Units (TCU) for precise 77°F (25°C) samples.
- Cooling Water Isolation Skids (CWIS) to prevent poor quality cooling water from plugging sampling components.
- Totally automated Sample Sentry[®] II system to minimize startup time while reducing manpower requirements.

Sampling and Analysis Systems (rear view)

- 1) BPRV — back pressure control and pressure relief maintains steady flow to analyzers.
- 2) Easy access primary sample coolers provided with computerized heat load calculations.
- 3) High efficiency secondary coolers sized to consistently provide 1°F approach temperature (for 77°F [25°C] sample).
- 4) Corrosion-resistant 304 stainless steel cooling water headers.



INSTALLATIONS

Shelters

- From sun and rain protection to heavy snow, wind or seismic protection.
- Lab facilities can be incorporated to offset the costs of a lab room within the plant. A variety of colors, construction methods, and accessories are available.



Wall Mount

- All components accessible from the front — no rear panel access required.

Automated (Sample Sentry® II)

- Fully automated sample conditioning system providing automatic startup (including blowdown) flow control, and shut down.
- Improves sample accuracy; better chemistry control.
- Self-cleaning; longer analyzer cell life.



Sample Sentry® II



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It is solely the responsibility of the end-user, through its own analysis and testing, to select products and materials suitable for their specific application requirements, ensure they are properly installed, safely applied, properly maintained, and limit their use to their intended purpose. Improper selection, installation, or use may result in personal injury or property damage.

