GENERAL DESCRIPTION
The TUCS GAS-FIRED TILTING COOKING VESSEL is a low rim height, tilting, trough-shaped vessel with a horizontal mixing scraper agitator for the production of liquid, semi-viscous and viscous products (soups, sauces, stews, mashed potatoes, refried beans, etc.). This agitator lifts the heavy particulate off the bottom and moves them to the top while pulling the floating particulate to the bottom, in a gentle mixing, folding action. The vessel tilts to pour out liquids, aids in the discharge of solid non-pumpable products, and provide access for easy cleaning. The vessel has a 3” air-operated, flush-mounted drop-down valve for the attachment to a Tucs volumetric piston pump or another pumping device. Pre-piped for single-point attachment to utilities and an integrated digital control panel with a pendant mounted digital HMI.

AGITATOR SYSTEM
Swept surface horizontal agitator design ■ Agitator easily removable without tools ■ Single horizontal shaft with scraper blades and alternate paddles ■ Blades offset 90 degrees, Delrin scraper blades are easily removable ■ TEFC drive motor with right angle gear box ■ Variable frequency motor speed drive ■ Continuously variable from 0 to 18 rpm ■ Reversible direction

CONTROLS
NEMA 4X control enclosure attached to kettle below rim ■ Controls mounted right or left side of cooking vessel per kitchen plan ■ Allen Bradley PLC with pendant mounted touch screen HMI, controls all functions ■ Recipe storage ■ Temperature control ■ Electronic temperature recording ■ EWON (Router), Internet connection to TUCS for remote diagnostics

TILT MECHANISM
Electric switch activation of tilt ■ Self-locking banana gear

OPTIONS
☐ Agitator removal cart (TEARC-xxx)
☐ Agitator storage cart (TEASC-xxx)
☐ Slide out convenience step (100-gallon)
MODEL TECV-XXXTG
GAS TILTING COOKING VESSEL

Scan this QR code with your smart phone to visit our website for more information.

Due to continuous improvements, specifications subject to change without notice.

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