

HERITAGE

CIP - Receiver Combination Groups

Why You Need Them...

Cleaning at it's best. If you have ever battled cleaning problems with a system you could never quite rely on, this is your solution!

Push-Pull System

Instead of sucking wash solution out of an open sink, this is a totally enclosed 'Push-Pull' system. The milk pump pulls the solution out of the receiver, moves it *under pressure* thru the milk house lines first and on into the parlor.

Aggressive Action

Reliably washes the top of the receiver, U-bend, moisture trap, and every last unit in the parlor. Every time!

Pre-assembled in the factory

...for 'instant installation'. Set it in place and connect the lines.

Never 'Traps Out'

...where the moisture trap fills up and the system stops washing. Works with a fixed amount of water, never too much, always enough. Never Traps out

Uses Less Water

HERITAGE CIP-Receiver Groups use less water than conventional systems—roughly 150 gals per cleaning cycle vs. some 250 to 300 gals for other systems (for the typical dbl. 12). Saves some 70,000 gals per year if you milk 2X, or 100,000 gals if 3X. Saves the energy to heat the additional water, saves the extra detergent and reduces waste water.

Fail-Safe Designs

Comes with a back-up milk pump, back-up variable speed drive, (4) fail-safe drains, a fail-safe check valve and a lock-out switch at the milk tank.



HERITAGE
Model 1500 CIP Receiver Group installed at Steve Paul's new dairy, Whitewater, WI, where it supports an all-stainless dbl. 10 (expandable to dbl. 16) HERITAGE ProTime I HerringBone with Arm TakeOffs

This group has it's philosophical roots in the Germania 'Receive-All System'. HERITAGE CIP-Receiver Group in development since 2004, focusing on:

Simplicity, Easy Programming, Fail-Safe Performance and Reasonable Cost

Design Details, Features and Technical Advantages

Works with only a single pump both for milking and washing, from 1 1/2 hp for dbl. 8 to 5 hp for dbl. 24.

Stand-by Pump included, pre-wired with a water-tight twist-lock plug for no-tools, instant change-over. Pump is not bolted down - just loosen two clamps, pull the plugs and exchange pumps. (Stand-by pump optional if sold thru a Dealer).



Stand-by Variable Speed Drive (VSD) included, also prewired with water-tight plugs. You can run either pump with either drive. Change plugs and throw a switch. VSDs save energy by pushing the milk thru



the Plate Cooler at slower speeds, lowering the milk temperature to about 60 dgrs (with 50 dgr well water), before milk enters the tank. These are true variables speed drives with only one float. Most

Dairymen then feed the pre-warmed water to the cows, who then use less energy to warm the water they'd normally drink.

Comes with a **Ball Check Valve** instead of rubber flapper, for unrestricted milk flow (lower left).

Second check valve shown with **Air-Blow Adaptor**. Blows rest milk out of filter, plate cooler and discharge lines. Safer, faster and more convenient than chasing



rest milk with water. Box of replacement filters included. Manual butterfly valve controls air.



Large Capacity Drains

The complete installation includes (4) to



(6) automated drains:

- 2" or 3" for the receiver
- 1 1/2" for the milk pump and filter.
- 1 1/2" for the plate cooler

- 2" for the CIP line and
- 2" for the discharge line.

Most of the time the entire system drains in 60 to 90 seconds after each cycle. Key in reducing overall wash-up time to less than 18 minutes.



Large capacity **2" Air-Injector**, with filtered air intake. Box of filters included.

Automatic Butterfly Valves in Lo-line. Open and close in-

between cycles for complete drainage of lines. No chemical residues to



dilute the next cycle. (2" Air Injector visible behind cylinder.)

This group supports a dbl. 10 parlor that's expandable to dbl. 16. For now there's only a single loop 3" line. Receiver large enough for dbl. 16 and double loop lines.



Dual-Pass Plate Cooler included. Size matched to expected milk flow. (Plate Cooler optional if sold thru a Dealer)

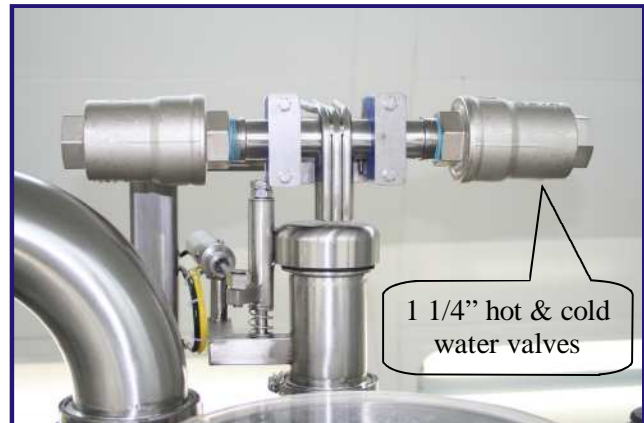
HERITAGE *Pipe Line Washer*

Easy to program. No moving parts what-so-ever. CIP cycle is inactive until milk lines are removed from the milk tank.

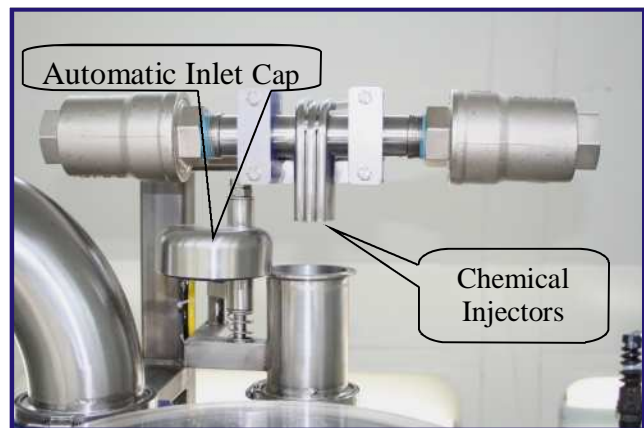


Input Group
Two air operated 1 1/4" hot and cold water valves fill tank in less then 60 seconds. 'Air-

break' system, combined with the Automatic Inlet Cap prevent water and chemicals from getting into the receiver during milking. Air cylinder swings cap into place. Force of vacuum pulls it tight when milking starts. Sys-



1 1/4" hot & cold water valves



Automatic Inlet Cap

Chemical Injectors

tem reviewed and approved by the State of Wisconsin.



Anti-Vortex Device in Receiver prevents pump from cavitating. Pump delivers CIP solution at full volume and pressure at all times.



Four to Six Large Capacity Drains—(Up to 3”) drain the entire system in less than 2 minutes

All CIP-Receiver Groups are Programmed the Same Regardless of Parlor Size:

- Set water level (only once)
- (3) 1-minute fill cycles
- 1 minute Rinse cycle
- 6 minute detergent cycle
- 1 minute acid cycle
- (3) 1 1/2 minute drain cycles
- Total time to wash up - less than 18 minutes

HERITAGE CIP-Receiver Groups Come in Five Different Sizes:

Model 700 for dbl. 6 and dbl. 8 parlors
 Model 1100 for dbl. 10 and dbl. 12 parlors
 Model 1500 for dbl. 14 and dbl. 16 parlors
 Model 1900 for dbl. 18 and dbl. 20 parlors
 Model 2300 for dbl. 22 and dbl. 24 parlors
 Larger groups on request

Cost ranges from about \$17,000 for Model 700 to roughly \$37,000 for Model 2300



Large capacity Moisture Trap with front window—cleans and drains automatically. 3” or 4” U-Bend (shown). Even the ball gets washed automatically.

HERITAGE PARLORS

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