



APPLICATION - CIP

CHAIN-VEY

CHAIN-VEY®

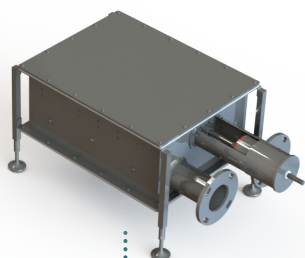
CLEAN-IN-PLACE

A SUPERIOR **CIP** CONVEYING SYSTEM FOR SANITARY APPLICATIONS

The MPE Clean-In-Place Chain-Vey system incorporates water-tight flanged construction and a PLC controlled cleaning cart that rinses, washes, drains, and dries, requiring no operator interaction.

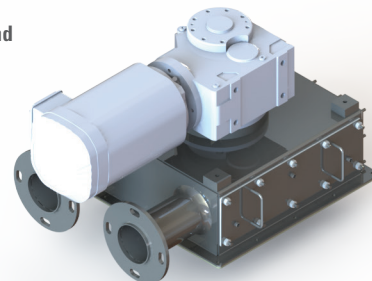
CIP 180° TENSION UNIT

With direct spray nozzles for chain, 360° spray nozzles to clean box, and tri-clover nozzle connections



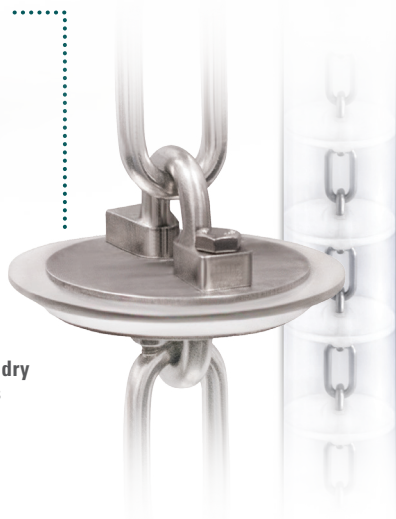
CIP 180° DRIVE UNIT

With discharge transition and direct spray nozzles for chain, 360° spray nozzles to clean box, and tri-clover nozzle connections



BOLTED CONNECTION LINK

All Nylock hardware with integrated polyurethane wiper disc and UHMW wear plate



CIP CLEANING CART

Fully-automated high pressure detergent wash, rinse and heated dry cycles with touch screen controls



The MPE **CLEAN-IN-PLACE** Chain-Vey system is equipped with a Clean-In-Place washing cycle specially designed to provide a fully-washable system for sanitary applications.

The CIP cycle is **FULLY-AUTOMATED** by the CIP cart, which includes a PLC control panel with touch screen.

The cleaning cycle first **FLOODS** the conveyor with a concentration-controlled solution of water and detergent, then a **RINSE** cycle commences, flooding the system with fresh water or water and **SANITIZER** and drains when complete. Finally, a **DRYING** cycle completely dries the conveyor to prepare for the subsequent product batch.

MODERN PROCESS EQUIPMENT CORPORATION

3125 SOUTH KOLIN AVENUE • CHICAGO, ILLINOIS 60623 U.S.A.

WWW.CHAINVEY.COM

1.773.254.3929 • INQUIRY@CHAINVEY.COM

THE BETTER WAY TO CONVEY

TOTAL CIP SYSTEM SOLUTIONS

AVAILABLE SYSTEM DESIGNS

- Clean-In-Place Systems provide a total cleaning solution through quick and efficient washing and drying
- Standard construction provides a dust-tight and air-tight environment

FLEXIBILITY

- Bi-directional design doubles capabilities through more efficient system configurations
- Extended system length capabilities of up to 250 ft. of product conveying distance
- Link chain design enables directional changes on multiple planes
- Product design allows custom configurations with multiple inlets and discharges



DISC MATERIALS & PERFORMANCE

- FDA-approved UHMW discs
- Disc design options include direct over-molded onto stainless steel chain, or split design with sanitary stainless steel compression rivet fastener
- Chain available in 316 stainless steel or high strength hardened alloy steel
- All chain has ultimate tensile strength over 16,000 lbs.

CHOOSE YOUR CONVEYING

CAPACITY



6 IN.	5 IN.	4 IN.	3 IN.
1,400 ft ³ /hr (40 m ³ /hr)	1,000 ft ³ /hr (28 m ³ /hr)	650 ft ³ /hr (18 m ³ /hr)	300 ft ³ /hr (9 m ³ /hr)

MPE CLEAN-IN-PLACE ADVANTAGES

- Automated cleaning system eliminates manual cleaning methods
- Reduces system down-time required for cleaning by 75% compared to non-CIP methods
- Unlike comparable pneumatic systems, the CIP system does not require disassembly for cleaning
- Water-tight flanged construction

RELIABLE SUPERMAX CONNECTOR LINK SYSTEM

- Customizable control system for your application and supervisory system
- Process tracking such as water, temperature and detergent concentration
- Tested and proven to pass all swab testing including aerobic plate count, coliform and bi-luminous
- Quick change-over between difficult-to-clean products

LET US HELP

Ask about our free product testing and system design capabilities

MODERN PROCESS EQUIPMENT CORPORATION

3125 SOUTH KOLIN AVENUE • CHICAGO, ILLINOIS 60623 U.S.A.

WWW.CHAINVEY.COM

1.773.254.3929 • INQUIRY@CHAINVEY.COM