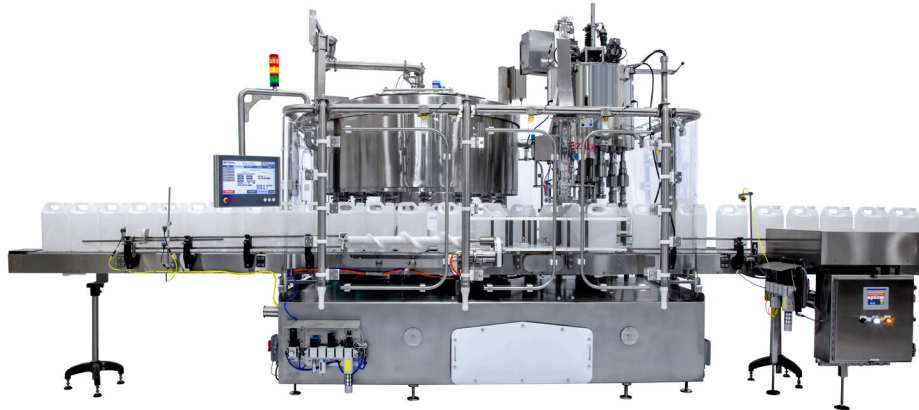




XACT-FIL® WEIGHT FILLERS



High performance weight fillers for free-flowing liquid products

XACT-FIL® is a multi-model line of next generation weight fillers from Federal and ProMach Filling Systems. They represent a complete design update for Federal's successful line of weight fillers. XACT-FIL weight fillers are ideal for a wide range of liquid foods and beverages as well as non-food products. Weight fillers are widely used for foods and beverages such as edible oils, sauces, extracts, and fluid dairy products such as organic and value added milks.

Non-food products that rely on accurate weight filling systems include automotive lubricants, paints, stains, personal care products and agricultural chemicals.

All XACT-FIL models feature an easy to clean hygienic design with a footprint that saves 30% of the floor space required by traditional Federal weight fillers. XACT-FIL fillers offer 100% of-the-shelf controls and load cell components which means no costly black-box replacement parts only available from the filler manufacturer. The intuitive, customizable HMI user interface and PLC machine programming is based on 100% open source coding. These important features make XACT-FIL a much better solution than European weight fillers with proprietary electronics or system programming.

XACT-Fil fillers are available in filler only and filler-capper monobloc configurations as well as part of ProBloc™ labeler-filler-capper tri-blocs.

FEATURES AND BENEFITS

- **Precise fill weights** - Fill weight accuracy +/- 0.1% regardless of speed or product type
- **Non-contact filling** - Filling valves never come in contact with the containers being filled, eliminating a potential source of contamination
- **Four filling modes** - Fillers are programmed to support net weight, gross weight, and parametric filling as well as a fill-by time option for individual fill stations if a load cell experiences problems
- **Accu-Cycloidal™ gearing** - Friction free, vibration free and lubrication free drive train delivers smooth performance and requires no routine maintenance
- **Three-axis servo motion control** - Accurate, maintenance free servos deliver simple and repeatable size changeovers
- **Container size range** - XACT-FIL fillers are capable of filling containers as small as 1 oz (29.5 mL) and as large as 5 gallons (18.9 L)
- **Permanently mounted CIP rings** - Set-up for cleaning in place (CIP) is simple and fast and filling valves do not require removal saving time and reducing the chance of operator error
- **Real time process monitoring** - Actual fill weights, actual vs. recipe fill weight variances and fill times and other critical process data are monitored and captured for every container and every fill station during filler operation

TYPICAL PRODUCT SPECIFICATIONS

XACT-FIL® WEIGHT FILLER RANGE

BOWL PITCH DIAMETER (MM)	720	900	1200	1620	1800	2160
# Filling Valves	6-18	6-24	6-36	6-48	6-54	6-64
Orientation	Left or Right Hand	Left or Right Hand	Left or Right Hand	Left or Right Hand	Left or Right Hand	Left or Right Hand
Configuration	Filler Only Monobloc Filler Capper	Filler Only Monobloc Filler Capper	Filler Only Monobloc Filler Capper	Filler Only Monobloc Filler Capper	Filler Only Monobloc Filler Capper	Filler Only Monobloc Filler Capper
Capping System	Federal Gem or Zalkin Pick & Place	Federal Gem or Zalkin Pick & Place	Federal Gem or Zalkin Pick & Place	Federal Gem or Zalkin Pick & Place	Federal Gem or Zalkin Pick & Place	Federal Gem or Zalkin Pick & Place

**Nominal filling speeds for a water like product. Actual filling speeds will be dependent upon container neck finish diameter, product viscosity, and other product characteristics.*

OPTIONS

- **Laser scanner safety guarding** - Customizable, space efficient alternative to physical guard doors; eliminates harborage points and reduces cleaning time
- **Dual stage filling valves** - Filling speed control and flexibility for foamy or splash prone products
- **Pressurized filler bowl** - Enhances viscous product filling and increases filling speeds
- **Steam sterilizable filler bowl** - Ideal for Extended Shelf Life (ESL) applications and a non-chemical option for system sterilization
- **HEPA enclosure** - For ESL products and applications that require controlled, clean filling atmospheres
- **Cap sterilization** - UV light and chemical closure sterilization for ESL products
- **ZPI Line Performance Monitoring & Analysis System** - Software-based system that lives on the customer's local area network. ZPI Provides in-depth support for Continuous Improvement initiatives, Overall Equipment Effectiveness (OEE), Key Performance Indicators (KPI), Total Productive Maintenance (TPM) programs, Six Sigma projects, day-to-day production management, and real time line monitoring and alerts to accelerate downtime troubleshooting
- **CIP skids** - PLC controlled integrated system of tanks, pumps, valves, heaters, piping and process monitoring devices that blend and supply CIP solutions to the filler for cleaning-in-place
- **Container rejection system** - Automatic rejection of flagged containers at the filler discharge