

On-Premise Pro

Laundry Chemical Dosing System for On-Premise Washers

The On-Premise Pro is a versatile unit that has multiple programming options depending on the type of laundry controller that is chosen for the unit. The On-Premise Pro utilizes the same main control and pump housing for the three available models: OP Pro Relay, OP Pro, and the OP Pro Global. The On-Premise Pro uses well proven components and familiar technology in a chemical dispensing unit that is now designed to be more serviceable, interchangeable, versatile, and modular. It has never been easier to choose a dispenser that fits your needs.

OP Pro
Laundry Controller



OP Pro Global
Laundry Controller



OP Pro 4 pump system



- 10 oz/min, 20 oz/min, or 34 oz/min peristaltic pump 3 to 6 chemical capability
- Optional built-in flush manifold
- Low voltage interface module
- Modular components

OP Relay

- Push button pump priming
- Push button flush priming

OP Pro

- 8 wash formula capability
- Programmable: drain mode, signal mode, relay mode
- Two levels per wash formula
- Auto formula select

OP Pro Global

- 30 wash formula capability
Programmable: drain mode, signal mode, relay mode, and soil mode
- Three levels per wash formula
- Auto formula select
- Chemical usage / operator activity reports (Excel)
- Digital screen with multi-lingual menus

Modularity and Common Part

The OP Pro was designed to create a dispenser with greater flexibility, serviceability and safety, while maintaining the reliability that Knight systems are known for. Knight has achieved this by developing a new and enhanced dispenser, while still utilizing many of the same well-proven Knight dispensing components. Knight's new modular pump design and multiple remote options offers you the ability to select a dispenser that fits your needs.

- Options of 10, 20, or 34 oz. (300, 600, 1000 ml) pumps
- 100-240 VAC 50/60 Hz power supply that runs up to 3 pumps at a time
- Modular pump modules can be added to any system
- depending on the flow rates needed
- Various options and common shared parts with OP Elite
- Simplified servicing
 - Pump priming at the main housing
 - Flush priming at the main housing
 - Toolless face plate removal
 - Toolless pump house separation
- Uses well-proven Knight motors, rollers, and tubes

OP Pro Components

6 Product OP Pro

500 series pump, 100 rpm:
10 oz/min (300 ml/min)
500 series pump, 200 rpm:
20 oz/min (600 ml/min)
800 series pump
34 oz/min (1000 ml/min)

Power Supply: 100-240 VAC
50/60 Hz

Water solenoid

Optional flow switch

Toolless face plate remove for quick service

Pump modules with simple motor service interface

Tube splash guard

Safety covers

Modular manifold (set of 2 chemicals per manifold module)

Simplified Servicing



Easy access control board for installation and programming



Servicing the motor has been simplified with toolless pump housing separation



Toolless face plate removal will ensure for a quick and simple tube change



Optional quick disconnect fittings for quick tube replacement

Main Control Board

- Pump connections (6 pumps maximum)
- Pump prime button (Able to prime at main unit)
- Low Level Alarm input (compatible with OP Elite low level alarm)
- Alarm input to connect SA-12 strobe alarm
- Multi-link connections for OP Global remote
- Programming for OP Relay - Remote or Relay
 - Run or Programming
 - Flush On or Flush Off
 - Flush with or Flush After
- OP Relay flush programming button
- Flush prime button to allow priming the flush at the main housing

Programming Features

We realize that not all laundries are the same with a range of needs, preferences, and expertise. The OP Pro offers a wide range of programming options depending what your needs are for at the nursing home, motel and hotels, dry cleaners, or any other on-premise laundry. The OP Pro programming features vary depending on if you choose to operate the system without a remote or choose the standard OP Pro remote or choose the advanced features with the OP Pro Global remote.



OP Pro Base Unit

OP Pro Relay (Base Unit)

The OP Pro base unit offers an economical way of reliably dispensing chemical to laundries in nursing homes or other On-Premise laundries. The OP Pro base unit is designed to be a simple and reliable dispenser that operates with microprocessor controlled washers in relay mode. Programming and controls are located inside the main control housing. The OP Pro base has the ability to be enhanced with the addition of the OP Pro or OP Pro Global remote.

Features

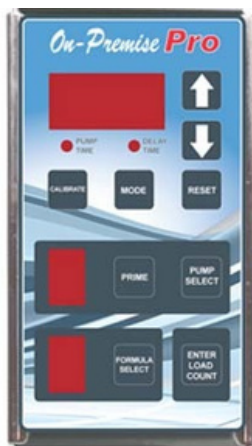
Pump Prime	Flush on or flush off
Flush Prime	Flush with or flush after

OP Pro (Standard Model)

With the addition of the OP Pro remote to the base unit, the OP Pro offers more programming capability. The OP Pro utilizes proven reliable technology and controls of the On-Premise Plus remote with the addition of auto-formula select (AFS). With 8 wash formula capability, the OP Pro is ideal to service small on-premise accounts.

Programming Features

Signal Lockout	Drain Mode
Flush Mode	One to One
User Access Code	Analog Display
Calibrate pumps	Delay Times
Prime Pumps	Two levels per wash formula
Normal Signal Mode	Auto Formula Select (AFS)



OP Pro Remote

OP Pro Global (Advanced Model)

The OP Pro Global remote offers 30 wash formula capability, comprehensive programming features, and data management capabilities. These enhancements allow an on-premise facility to be able to manage cleaning costs and efficiently operate like larger commercial laundries. This is more ideal for accounts that need more capabilities and attention like hotels, laundry houses, and linen factories.

Programming Features

Dispenser ID	Operating Zone
Access Code	Calibrate Pumps
Date and Time	Prime Pumps
Auto Formula Reset	Formula Programming
Bleach Defeat	Computer Interface (Reporting)
Soft Defeat	Normal Signal Mode
Signal Lockout	Relay Mode
System Lockout	Drain Mode
Flush Mode	Soil Mode
User Access Code	Receive Setup from another dispenser
Chemical Names	Signal Mode: One to One
Chemical Costs	Signal Mode: Assign Step
Formula Names	Signal Mode: Assigned Signal
Formula Weight	Digital Display
Shift Times	



OP Pro Global remote

ORDERING INFORMATION

On-PremisePro Relay

Features Include: Plastic main housing contains pump prime and flush prime controls, normal and relay mode switch. Option of 10 oz/min (300 ml/min) pump, 200 RPM 20 oz/min (600 ml/min) pump, and/or 36 oz/min (1065 ml/min) pump. 100—240 VAC, 50 or 60 Hz operation.

Model	Part #	Description
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OP Pro-503 Relay	7070503	OP Pro 3 product liquid dispenser, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-504 Relay	7070504	OP Pro 4 product liquid dispenser, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-505 Relay	7070505	OP Pro 5 product liquid dispenser, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-506 Relay	7070506	OP Pro 6 product liquid dispenser, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)

Note: Please see FLUSH MANIFOLD OPTIONS below for manifold options

On-PremisePro

Features Include: Plastic main housing contains pump prime and flush prime control. OP Pro offers 8-formula capability, drain mode, signal mode, relay mode, flush mode, flow switch input, personalized access code, built-in load counter, washer interface module, automatic calibration. Option of 10 oz/min (300 ml/min) pump, 200 RPM 20 oz/min (600 ml/min) pump, and/or 36 oz/min (1065 ml/min) pump. 100—240 VAC, 50 or 60 Hz operation.

Model	Part #	Description
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OP Pro-503	7071503	OP Pro 3 product liquid dispenser w/ OP Pro remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-504	7071504	OP Pro 4 product liquid dispenser w/ OP Pro remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-505	7071505	OP Pro 5 product liquid dispenser w/ OP Pro remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-506	7071506	OP Pro 6 product liquid dispenser w/ OP Pro remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)

Note: Please see FLUSH MANIFOLD OPTIONS below for manifold options

On-PremisePro Global

Features Include: Plastic main housing contains pump prime and flush prime control. OP Pro Global offers 30-formula capability, drain mode, signal mode, relay mode, flush mode, flow switch input, personalized access code, built-in load counter, washer interface module, variable signal input voltage, split common, automatic calibration and peristaltic pumps with tri-roller block. Option of 10 oz/min (300 ml/min) pump, 200 RPM 20 oz/min (600 ml/min) pump, and/or 36 oz/min (1065 ml/min) pump. 100—240 VAC, 50 or 60 Hz operation.

Model	Part #	Description
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OP Pro-503 Global	7072503	OP Pro 3 product liquid dispenser w/ OP Pro Global remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-504 Global	7072504	OP Pro 4 product liquid dispenser w/ OP Pro Global remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-505 Global	7072505	OP Pro 5 product liquid dispenser w/ OP Pro Global remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)
OP Pro-506 Global	7072506	OP Pro 6 product liquid dispenser w/ OP Pro Global remote control, SIB, w/ pumps (24 VDC), 10 oz/min (300 ml/min)

Note: Please see FLUSH MANIFOLD OPTIONS below for manifold options

On-PremiseProdispenserandoptions

ON-PREMISE PRO BASE UNIT

Model	Part #	Description
OP Pro-50X	7070500	OP Pro base unit, SIB, w/o pumps

PUMP OPTIONS

Part #	Description
8080151	5100 Series DC peristaltic pump assembly (24 VDC), 10 oz/min (300 ml/min), 100 rpm
8080152	5200 Series DC peristaltic pump assembly (24VDC), 20 oz/min (600 ml/min), 200 rpm
8080104	8100B DC Peristaltic pump assembly (24 VDC), 34 oz/min (1000 ml/min)

REMOTE OPTIONS

Part #	Description
7170700	OP Pro remote control
7170710	OP Pro Global remote control

FLUSH MANIFOLD OPTIONS

Part #	Description
8080132-04	3 & 4 port flush manifold w/ 1/4" check valves, w/ solenoid valve, 24 VDC, 200mA
8080132-06	5 & 6 port flush manifold w/ 1/4" check valves, w/ solenoid valve, 24 VDC, 200mA
0600417	Flow Switch Kit
7407117	Pressure Regulator (brass, fixed, 45 PSI)
7901234	1/4" Check Valve, VITON, white PVC body
0300116	20 ft Power Cord

KNIGHT LIMITED WARRANTY

Knight controls and pump systems are warranted against defects in material and workmanship for a period of ONE YEAR. All Electronic Control Boards have a TWO YEAR warranty. Warranty applies only to the replacement or repair of such parts when returned to the factory with a KRA number, freight prepaid and found to be defective upon factory inspection. Rubber and synthetic rubber parts such as "O" rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. Warranty does not cover liability resulting from performance of this equipment nor the labor to replace this equipment. Product abuse or misuse voids warranty. Knight products are not for use in potentially explosive environments. Any use of our equipment in such an environment is at the risk of the user. Knight does not accept any liability in such circumstances.

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