



633 N Helena St, Spokane, WA 99202  
509.535.1555 | info@northstardirect.com

1210 N Oregon Ave, Pasco, WA 99301  
509.547.2323 | info@northstarhotsy.com



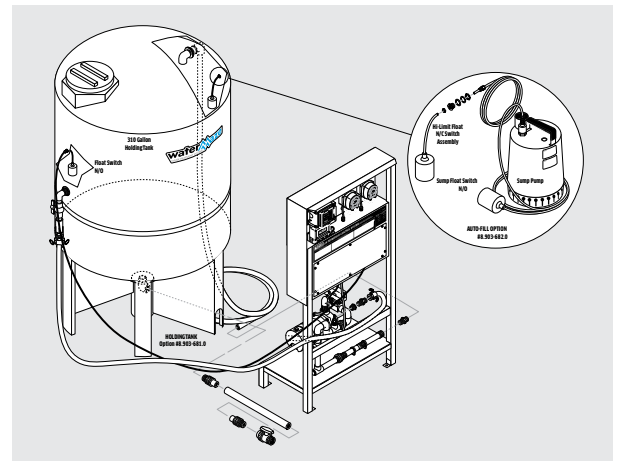
# PH PERMISSIVE CONTROL SYSTEM

## PH CONTROL SIMPLIFIED



### BALANCES WATER PH

The PH-3020D system incorporates: a digital (dual) pH controller that monitors and adjusts to both base and acid pH set points; a circulation pump; and chemical injection peristaltic pumps. Once the pH set points (high or low) are satisfied, the permissive interlock system of the controller will provide an output signal for the purpose of downstream release and/or post processing of the water.



System shown with optional holding tank and auto-fill



## PH PERMISSIVE CONTROL SYSTEM

### CHEMICAL TREATMENT

Balances water pH

Automatic adjustment recommended

Stand alone systems

A balanced pH promotes: solids to settle out quicker; emulsified oils to become more buoyant; and some metals to precipitate.

Factory installed options incorporated into a base product

Footprint: 45" x 19" x 70.5"



## HOW AUTOMATION WORKS

■ The pH Sensor is mounted on the recirculation line of the pH Permissive Control System. The sensor analyzes the water as it goes through the line and—operating like a miniature battery—it generates a small electronic signal which is amplified and analyzed by the controller for display on the readout meter and for activation of the chemical feeders.

## DIGITAL PH CONTROLLER

■ The pH controller accepts the signal sent by the sensor. The pH controller then displays that signal digitally, and sends a signal to the feed pump telling it to turn on or off. The controller is pre-programmed to maintain the pH level no additional programming is necessary.

## CUSTOMIZE AND ACCESSORIZE

■ Accessories enhance the effectiveness of Water Maze Treatment Systems. Water Maze offers a broad selection of add-ons, accessories, parts, and consumables that support the performance of your water treatment systems.

## DETERGENTS, MEDIA AND CONSUMABLES

■ Water Maze offers a variety of additives, defoamers and detergents that are compatible with your pressure washer equipment and enhance the effectiveness of pressure washer and water treatment systems. We have a line of quick-release detergents available in 5 and 55 gallons. Filter media such as sand, gravel, and clay, which help provide separation of contaminants in water filtration equipment. We also offer bio-pucks and biostax products for our bioremediation systems, that are designed to alleviate odor in collection pits.

## TECHNICAL DATA

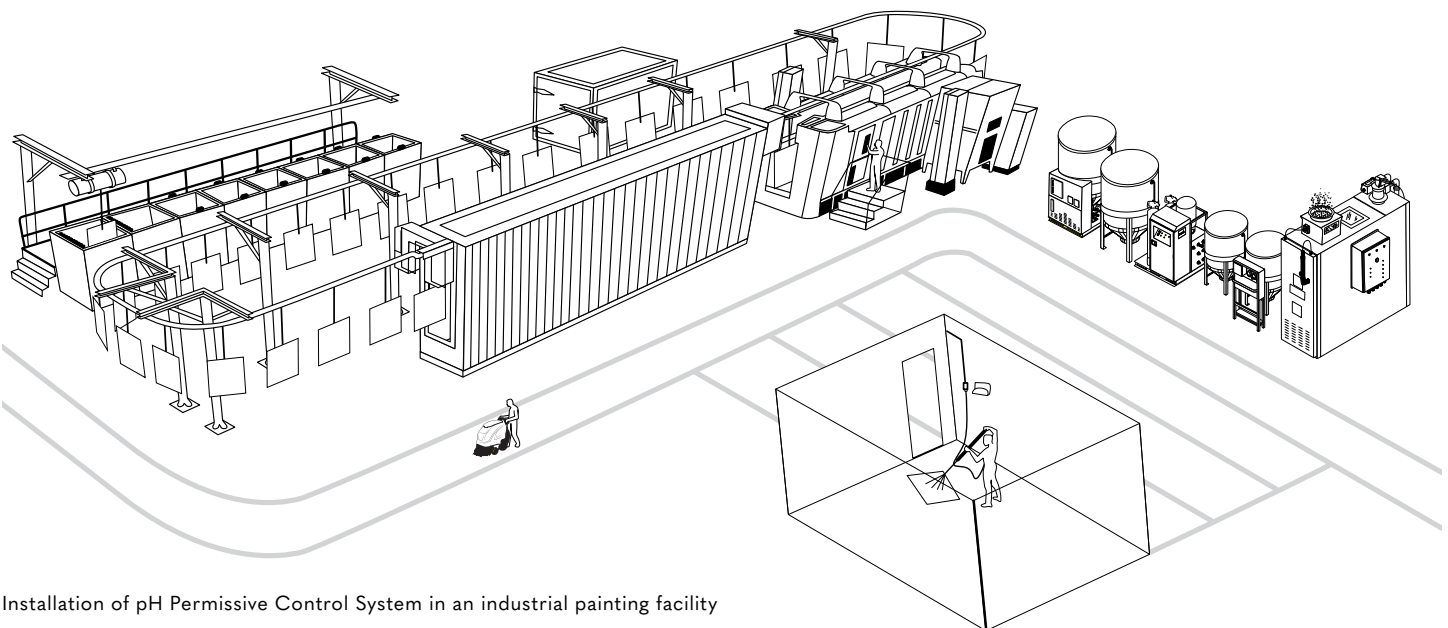
MODEL	PART NO.	DESCRIPTION	PH CONTROL	CAPACITY (GAL)	FLOW GPM	VOLTAGE	PHASE	AMPS	EST. SHIP WEIGHT (LBS.)
PH-3020D	1.103-458.0	pH Permissive Control System	Chemical	125	20	120	1	9	—

Dimensions (approximate):  
PH-3020D Physical: 45" x 19" x 70.5" Estimated product tare weight: 200 lbs.

## OPTIONAL ACCESSORIES

PART NO.	DESCRIPTION
8.903-682.0	Auto Fill (SS sump pump, fittings and floats) ‡
8.903-681.0	Holding Tank, 300 gal. (valves and hose)

‡ Factory Install Only



Installation of pH Permissive Control System in an industrial painting facility