



# Integrated Cartridge Solutions

Effective, Simple, High Quality Water Treatment

## System Benefits Include

- Environmentally Green - 100% Efficient
- No Salt or Chemicals to Add
- Low Cost High Quality Water
- High Flow and High Volume
- Compact size; Installs Almost Anywhere
- Easy Installation; No Drain or Power Required
- Long Life, Low Maintenance – No Moving Parts

## Lifestyle Benefits Include

- Better Tasting, Smelling and Looking Water
- No More Bottled Water to Buy
- No More Orange and Brown Staining
- Cleaner Brighter Laundry
- Reduced Spotting - Save on Cleaning and Maintenance
- Protection for Pipes and Water Heaters
- Extended Appliance Life and Reduced Maintenance

## What Water Quality Problems Can ICS Solve for You?

- |   |                           |                              |
|---|---------------------------|------------------------------|
| • Mineral / Hardness Deposits               | • Bad Taste and Odor      | • Sediment and Solids        |
| • Orange, Red, Brown, Black and Blue Stains | • Chlorine Taste and Odor | • Cloudy Turbid Water        |
| • Etching and Pitting                       | • Low pH problems         | • Appliance / Pipe Corrosion |



## CASCADIAN® ICS - Integrated Cartridge Solutions

The ICS line of cartridge filter solutions is designed from the ground up with quality and reliability in mind for years of trouble free operation.

Capable of treating up to 12 GPM ICS Solutions easily treat all the water in your home or business.

### ICS Solution Benefits:

- Systems are fully assembled and ready to install.
- Easily to install just about anywhere - no power or drain required.
- Large filters resulting in fewer filter cartridge changes.
- Easy Maintenance – simply change the cartridges in a few minutes.
- Salt and Chemical Free.



## Integrated Cartridge Solutions Effective, Simple, High Quality Water Treatment

*Water Treatment – "Its what we know, Its all we do"*

CASCADIAN® Professional Water Treatment Products Since 1994

Ph. 509-674-4000 • Fax: 509-674-4002 • [www.PolyHalt.com](http://www.PolyHalt.com)



## Integrated Cartridge Solutions

ICS Problem Solving Chart										
Your Water Problem	Recommended ICS									
	P06, P12	PWC06, PWC12	S5	SP06, SP12	SI	SIP	SIT	SS75, SS51	ST	TO
Clear Iron and Manganese*	X	X		X	X	X	X			
Colored Iron and Manganese**		X	X	X	X	X	X	X	X	
Cloudy / Turbid								X		
Etching and Pitting	X	X		X		X				
Hardness / Mineral Deposits	X	X		X		X				
Low pH	X	X		X		X				
Sediment		X	X	X	X	X	X	X	X	
Taste and Odor		X					X		X	X
Number of Filters	1	3	1	2	2	3	3	2	2	2

06 = 6 gpm rating, 12 = 12 gpm rating; \*Clear I & M, Water is clear but stains fixtures and appliances

\*\*Colored I & M, Water has red, orange, brown color and stains fixtures and appliances

### Replacement Cartridge Kits:

Order your ICS Part Number with a "-K" Suffix.

Example:

ICS-PWC12 uses ICS-PWC12-K Replacement Cartridge Kit.

### General Specifications:

- Maximum Flow Rate – 12 gpm.
- Pressure Drop at 10 gpm - 8 psi. (typical when new).
- Maximum Dimensions;
  - Single Filter Systems – 8½" x 8½" x 26½"; Double Filter Systems – 15¼" x 8½" x 26½"; Triple Filter Systems – 23¼" x 8½" x 26½"
- In and Out Pipe Size – 1"
- Soluble Iron Removal; 27,000 gal. @ 3 ppm, 40,000 gal. @ 2 ppm, 80,000 gal. @ 1 ppm and 160,000 gal. @ 0.5 ppm soluble iron.

### Recommended Operating Conditions:

- All ICS Products: Maximum Pressure – 90 psi. Maximum Temperature - 100°
- SI and SIT Solutions: For soluble iron removal; pH >7.0, Silica <100, Manganese <1 ppm, Iron <3 ppm, Iron Bacteria – None, Hydrogen Sulfide – None
- PolyHalt™ Cartridge Limits: Soluble iron and manganese – 6 ppm combined, hardness – 10 grains (171 ppm) silica 100 ppm, Not Recommended for use on Irrigation Systems or in hot water circulating loops



### Money-Back Guarantee

We're so confident in the performance of ICS Products that if you are not completely satisfied within the first 30 days from the date of purchase, you may return it for a full refund of your purchase price, less shipping and handling costs incurred to O3WS. Everyone's water quality is different. If you're not getting the results you expect, we may be able to help you adjust the treatment level from your ICS Product to improve your water quality. Please contact us if we can be of any assistance.

### 10 Year Warranty:

In the unlikely event that you have trouble with your ICS system we will at our option repair, modify or replace it at no cost to you. To qualify for this warranty use only replacement cartridge kits which are designed for the ICS Integrated Cartridge Solutions product series and available from O<sub>3</sub> Water Systems or its distributors. See warranty online at [www.PolyHalt.com](http://www.PolyHalt.com)



COMPONENT

Cartridges Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.



COMPONENT

Filter Housings Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.



PolyHalt™ Phosphate Material is Certified by NSF to NSF/ANSI Standard 60 for Drinking Water Treatment Chemicals - - Health Effects.

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