

## POND PRIVATE WATER SYSTEM

Pressurized Rapid Sand Filter system with chemical coagulation and chlorine or iodine disinfection

Revised 10/2012



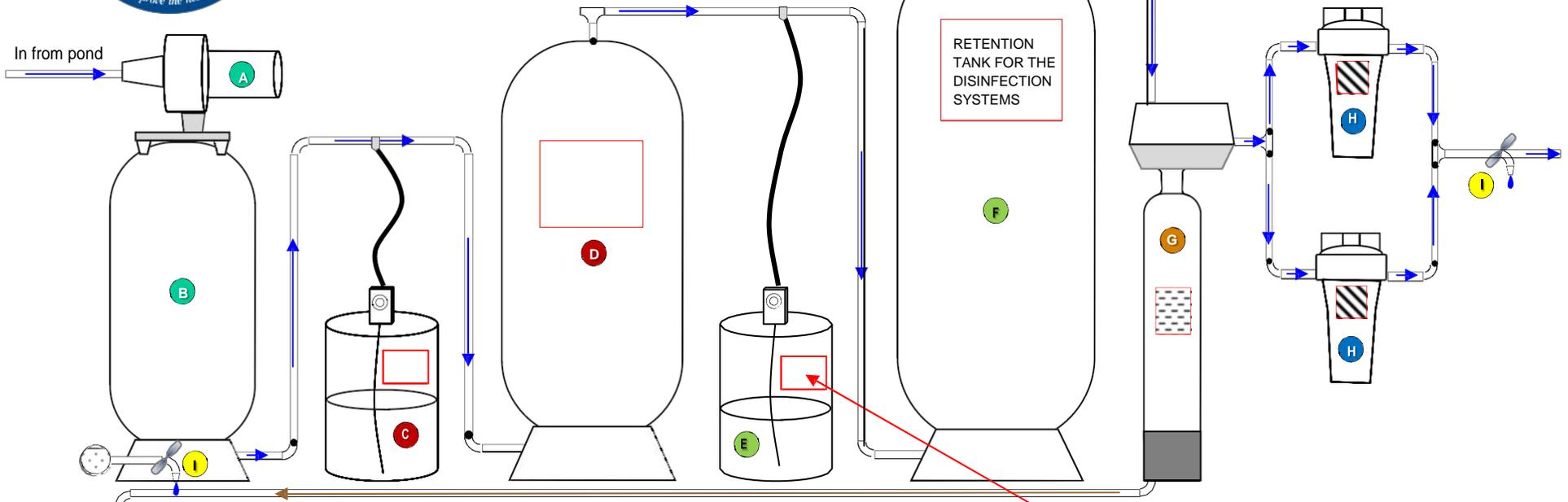
- ### COMPONENTS
- A** Jet pump
  - B** Pressure Tank
  - C** Chemical coagulation meeting NSF standard 60
  - D** Coagulation retention tank
  - E** Chlorine/Iodine solution reservoir tank
  - F** Chlorine contact/retention tank, minimum 120 gallons
  - G** Pressurized rapid sand filter
  - H** Cyst reduction cartridge filter meeting NSF Standard 53
  - I** Smooth nosed sampling tap, downturned & at least 8" above the floor

## GENERAL DESIGN:

System must be sized to a minimum demand of 70 gallons per person per day, not less than 10 gallons per minute flow.

All pipe and pipe fittings must conform to NSF standard 61 and comply with OAC 3701-28-08(c) to 3701-28-08(E).

Treatment train shown here is a typical configuration. Other configurations are possible. Contact your Local Health District or the Ohio Department of Health at (614) 644-7558 for more information.



Backwash line must have a minimum 1/2 inch air gap above the flood rim of the sump pit.

- ### LABELING REQUIREMENTS:
- SPECIFIC WORDING IS REQUIRED WHERE INDICATED**
- = All filter and treatment tanks & components must be labeled describing their specific functions.
  - = All cartridge filter housings shall be clearly labeled for the specific required replacement filter size in absolute and nominal microns.
  - = Sand filter tank must be labeled describing all filter material enclosed, including type(s), size, and uniformity coefficient.

**FAILURE TO MAINTAIN THE SOLUTION IN THE TANK AT CONCENTRATIONS SUFFICIENT TO ENSURE CONTINUOUS DISINFECTION OF THE HOUSEHOLD WATER SUPPLY INCREASES THE POSSIBLE HEALTH RISK OF THE USERS.**

**1/2 INCH BOLD LETTERING**