



GreenScreen

Portable Fish and Debris Screens

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Zinvent History

- **2004** – began screen development with US Forest Service – San Dimas Technology and Development Center, San Dimas CA.
- **2006** - Initial 1500 screens deployed to Alaska Fire Service to combat both silts and juvenile salmon.
- **2011**- High level testing with Kalamath National Forest and NOAA reps in Northern California.
- **2007-2016** – seasonal deployments on various fires from Nevada to Alaska.



Design Aspects

- **Portable** - wildland firefighting, temporary irrigation, water diversion projects, dust control, water diversions, etc.
 - Screen is attached directly to a suction hose
- **Functional** - complies with fish screening requirements – hole size, open area, approach velocity, sweeping velocity (if properly positioned)
 - All designs target a **0.2ft/s** approach velocity (or less) unless specifically requested otherwise.
- **Easy to Use**
- **Inexpensive**
- **Long-Lasting** – Corrosion resistant and UV resistant
- 0-500GPM (various sizes)
 - Custom sizes and can be used in parallel for higher GPMs



Screen Types

- Slip-Over Screens
 - Collapsible Screens
 - Rigid Screens
- Screens with Threaded Connections
- Screens for Shallow Water
- Misc Accessories



Slip-Over GreenScreens

The most popular and the most economical method to turn a non-compliant system into a compliant system.

- No expensive threaded connections.
- Adapts to multiple hose diameters and various foot valves
- Self-baffling
- Self-centering of the existing equipment
- Secure
- Mesh screen is ultra tough and replaceable.
- Sizes 0-50GPM, 50-100GPM, 100-350GPM, 350-500GPM



*Slip-Over GreenScreen
with existing
equipment inside*



Slip-Over GreenScreens

Collapsible or Rigid



Collapsible
(space saving
when stowed)



Rigid
(internal cage)

Threaded GreenScreens

Collapsible or Rigid
(optional internal check valve)



Slim GreenScreens

Collapsible or Rigid – 100GPM max
(threaded, Cam-lock, or slip-over)



Screens for shallow water
(long and slender)



Accessories



GreenFloat –
adjustable height



Extra mesh bags

New Products

- Stainless steel screening material
- Screens for invasive species filtering- 20micron hole size
- Looking for test sites

- Questions??