

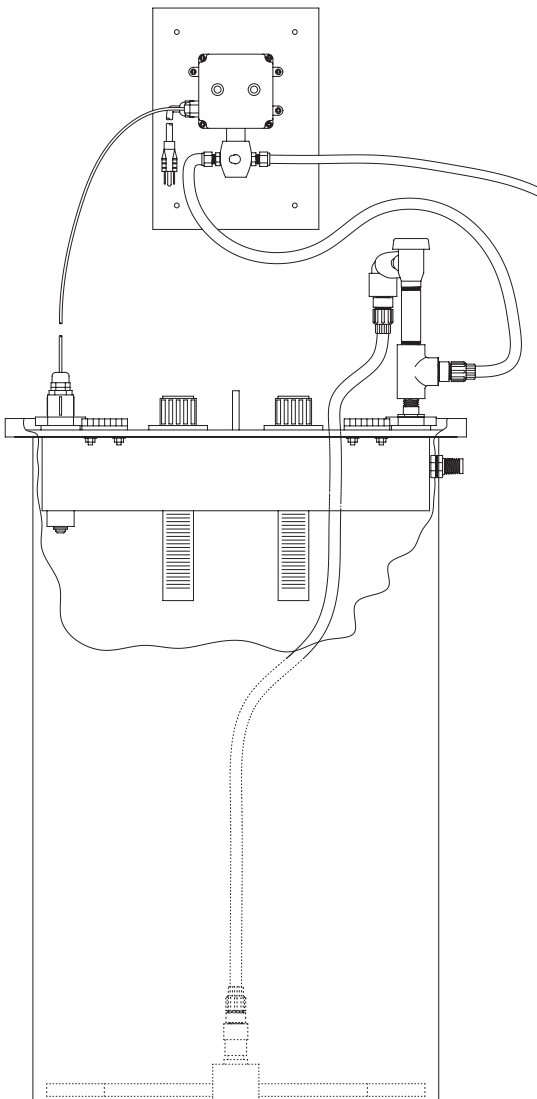
Fluoride Saturator

FluoroPro

The FluoroPro family of fluoride saturators is the latest in technology for drinking water operators who fluoridate their water systems using Sodium Fluoride.

FluoroPro saturators use a new design emphasizing simple, rugged construction, corrosion-resistant materials and long lasting components. The units offer a wall mounted solenoid valve to resist corrosion, due to the effect of NaF over time.

For additional options, including secondary shutoff assemblies and secondary containment systems are available to round out a proper fluoridation installation, please call NPI.



All aspects of these products have been developed in conjunction with AWWA and Massachusetts fluoridation standards and recommended practices.

Features of the New FluoroPro Fluoride Saturators

- Rugged 55, 70 and 110 Gallon PE tank.
- Cover Mounted Level Control.
- Upflow solution flow design for reduced maintenance.
- Rigid PE tank cover for supporting dual chemical feed pumps (main and backup pump).
- Sodium Fluoride (NaF) capacity of 200, 250 and 400 lbs.
- All thermoplastic construction for superior chemical resistance.
- Rugged hinged cover offers 50% opening area for easy filling with NaF powder.
- Internal baffle to reduce wave action and protect float assembly.
- Labelled 'fill' and 're-fill' levels for NaF replenishment.
- Single external tubing connection for easy disassembly.
- Flow Distribution Assembly has 50% greater area for more consistent solution generation.
- Dual pump pick-up strainers are easily top removable for maintenance.
- Equipped with siphon breaker to prevent over-feed due to siphoning.
- Easily retrofits to installations currently using other fluoride saturators.
- Remote, panel mounted, control box and solenoid valve.

Optional Components:

- CLA-VAL secondary shutoff control valve.
- Flooded suction pump mount
- Concentric secondary containment tank assembly.

800-378-1500

Northeast Pump & Instrument

www.npipump.com

190 Summer Street, Lunenburg, MA 01462

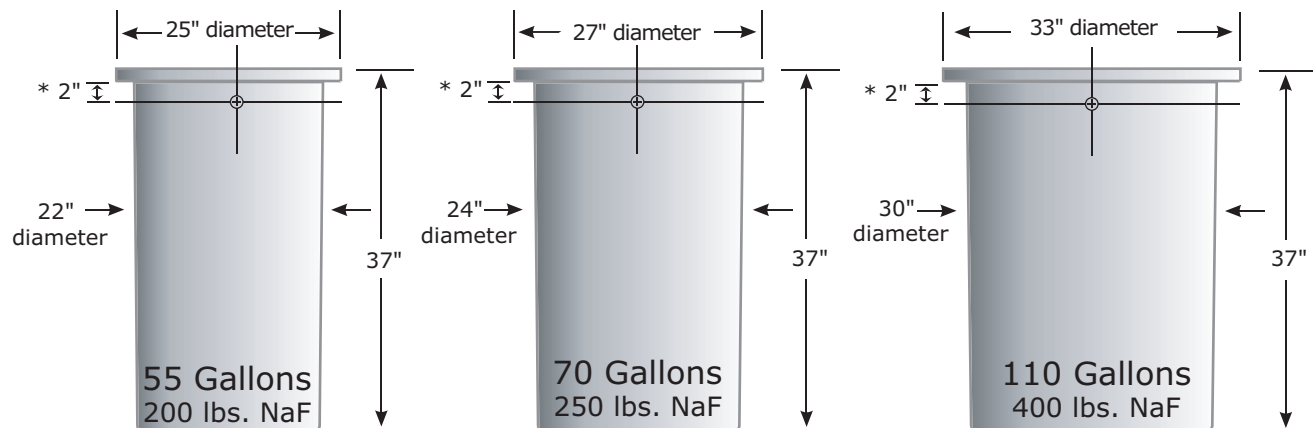
Engineering Specifications

- ❑ Saturator shall be of at least 55-gallon capacity of the up-flow design and constructed of all thermoplastic materials.
- ❑ Design shall include 6 distribution laterals for best disbursing of incoming water through the NaF crystals.
- ❑ Saturator shall be equipped with cover mounted float switch, remote mounted solenoid valve and control box.
- ❑ Cover assembly shall be flat for easy mounting of two chemical-feed pumps and should be equipped with an internal baffle to protect the float switch during addition of sodium fluoride (NaF) crystals.
- ❑ Cover assembly must have 50% of its area moveable for easy refilling with NaF and also for easier maintenance.
- ❑ Saturator must be equipped with a syphon breaker to prevent back-syphoning into the water source.
- ❑ Pump pick-up tubes shall be removable from the outside for easy cleaning.

Product Specifications

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|------------------------------------|--|
| Incoming Water Pressure: | 20 to 80 PSI |
| Incoming Water Flow Rate: | 2 GPM maximum |
| Maximum solution Feed Rate: | 1 GPM |
| Water Quality Requirements: | < 2 Grains hardness (water softener required for hardness greater than 2 grains) |
| Electrical Requirements: | 115 VAC |
| Incoming Water Connection: | 6' of tubing with 3/8" NPT male fitting provided for supply connection |
| Tank Overflow Connection: | 3/4" FNPT PVC Bulkhead Installed |

Dimensions



* 3/4 FNPT PVC Bulkhead Installed

Ordering Information:

FluoroPro Fluoride Saturator

N-FPS1000

N-FPS1070

N-FPS1110

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