

# THE IRON GENIE™

## HOW DOES THE IRON GENIE WORK

When water enters the Iron Genie it passes through a bubble of compressed air that adds oxygen to the water. The Introduced oxygen in the water contacts and oxidizes (converts) the dissolved iron, manganese, and sulphur into particles. The particles that result from the contact with the oxygen are trapped and held by the filter media. Iron, manganese, and sulphur free water now flows to the household plumbing. The trapped particles are held by the filter media until released and backwashed to a drain during the regeneration cycle.

The Iron Genie model IGCS1 1054 will remove 10 – 15 parts per million of iron.

## THE IRON GENIE COSTS VERY LITTLE TO OPERATE

The filter media does not change chemically during the filtering process, is not depleted, and will last for an indefinite period of time. \*

The regeneration process is driven by oxygen, which is freely available in the air, and by the water pressure in your system. The Iron Genie's operating cost is only a few dollars a year in electricity.

MODEL IGCS1 10X54 service flow rate is 7 – 10 gallons per minute.

Regeneration Cycle	Minutes	Gallons Used
1) Backwash	10	70
2) Air Recharge	40	64
TOTAL	50	134

Well water model is available for limited pump capacity at a 5 gallon per minute backwash rate and 4-6 gallons per minute service flow rate. Minimum well pump capacity is 5 gallons per minute.

USER FRIENDLY  AFFORDABLE  RELIABLE

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\* SPECIAL NOTE: Iron Genie PH systems are installed on acid (low ph) water supplies. Those systems include an additional media which slowly dissolves and is used up as it raises the water ph. This media needs to be replenished periodically depending on water conditions and usage.