

### NexGen 40 Diagram

#### SYSTEM IDENTIFICATION



1. **Water Inlet from Booster Pump:** Moves water through the NEXGEN
2. **Water Outlet:** Returns chlorine to the pool
3. **Salt Tank Feed Valve:** Feeds water to the Saturated Salt Tank
4. **Power Supply:** Supplies current to the electrolytic cell
5. **Valve 4:** Flow Control used to manipulate chlorine production
6. **Flow Meter:** Visual indicator
7. **Acid Pump:** Supplies muriatic acid for pH neutral solution
8. **Salt Pump from Saturated Salt Tank:** Supplies necessary salt to create product
9. **Pressure Switch:** Ensures NEXGEN shuts down with no flow through main pump
10. **Production Tank:** Holds sodium hypochlorite for distribution
11. **Electrolytic Cell:** Converts salt to sodium hypochlorite
12. **Dilution Fan:** Dilutes and vents hydrogen to outside atmosphere