



Secondary Water Quality Filters

* Cartridge filters remove solid materials, such as iron and manganese, by trapping the material on a woven media. The type and size particles removed is based on the media hole size (micron size) and the size of the raw water particle size. Cartridge filters are easy to install, do not require regulatory approval, and are often used when iron and manganese concentrations are low or as interim solution to a greensand filter.

* Greensand filters use a manganese dioxide filter media. Typically, the water is pre-oxidized by sodium hypochlorite, and the media further oxidizes iron and manganese which adsorbs to the media. Backwashing and regenerating the media is necessary for the continued efficiency of these filters. These filters are typically in series and are much larger than cartridge filters and require design and regulatory approval prior to installation.

* ChemFree filters inject air and sodium hypochlorite prior to the media bed to oxidize the iron and manganese. The water then flows through a media bed that traps the oxidized solid particle. ChemFree filters are best suited for lower yield wells.

| System Name | Master System | Well # | County | Installation Year | Filter Type |
|-----------------------------------|-----------------------------------|--------|------------|-------------------|---------------------|
| Avocet | Avocet | #2/#12 | Wake | 2011 | Greensand |
| Avocet | Avocet | #1 | Wake | 2017 | Cartridge |
| Bannertown Hills | Bannertown Hills | #2 | Surry | pre-2014 | Greensand |
| Beacon Hills | Beacon Hills | #1 | Gaston | pre-2014 | Greensand |
| Belews Landing | Belews Landing | #1 | Rockingham | 2014 | Cartridge |
| Bell Ridge/ Bell Ridge N | Bayleaf Master | #2 | Wake | 2017 | Cartridge |
| Bishops Ridge | Bishops Ridge | #1 | Forsyth | pre-2014 | Greensand |
| Brackenridge Estates | Brackenridge Estates | #1 | Wake | 2017 | Cartridge |
| Brayton Park (Grove Park Village) | Brayton Park (Grove Park Village) | #1 | Wake | 2017 | Cartridge |
| Briar Creek | Briar Creek | #3 | Gaston | pre-2014 | Chem-Free |
| Briarwood Farms | Briarwood Farms | #1 | Wake | 2017 | Cartridge |
| Briarwood Farms | Briarwood Farms | #2 | Wake | 2017 | Cartridge |
| Bridgepoint | Bridgepoint | #8 | Wake | 2009 | Greensand |
| Broadhurst/Turner Downs | Broadhurst/Turner Downs | #5 | Wake | 2017 | Cartridge |
| Cabarrus Acres | Cabarrus Acres | #1 | Cabarrus | 2014 | Cartridge |
| Camelot | Camelot | #2 | Wake | 2017 | Cartridge |
| Cane Creek | Cane Creek | #2 | Alamance | 2018 | Cartridge |
| Canterbury | Canterbury | #1/#2 | Durham | 2017 | Cartridge |
| Carden Creek | Carden Creek | #1/#2 | Durham | 2018 | Cartridge |
| Carlyle Manor | Carlyle Manor | #4 | Wake | 2017 | Cartridge |
| Chari Heights | Glendale | #1 | Wake | 2017 | Cartridge |
| Clearview Acres | Clearview Acres | #1 | Catawba | 2014 | Cartridge |
| Coachmans | Bayleaf Master | #4 | Wake | 2015 | Greensand |
| Colonial Woods | Colonial Woods | #1/#2 | Surry | pre-2014 | Greensand |
| Colvard Farms | Colvard Farms | #4 | Chatham | 2011 | Greensand |
| Copperfield/Carmel Hills | Copperfield/Carmel Hills | #2 | Gaston | pre-2014 | Greensand |
| Cotesworth- Kensington | Cotesworth- Kensington | #2 | Wake | 2017 | Cartridge |
| Cotesworth- Kimmon Place | Cotesworth- Kimmon Place | #1 | Wake | 2017 | Cartridge |
| Cotesworth- Kimmon Place | Cotesworth- Kimmon Place | #3 | Wake | 2017 | Cartridge |
| Creedmore Village | Creedmore Village | #14 | Wake | 2013 | Greensand |
| Creekside Shores | Creekside Shores | #3 | Warren | pre-2014 | Greensand |
| Crescent Ridge | Crescent Ridge | #5/#6 | Wake | 2016 | Greensand |
| Devon | Bayleaf Master | #1/#3 | Wake | 2015 | Greensand |
| Eagle Creek | Eagle Creek | #3 | Wake | 2017 | Cartridge |
| Elliot Landing | Elliot Landing | #1 | Wake | 2018 | Cartridge |
| Enclave at Barton Creek Bluffs | Bayleaf Master | #18 | Wake | 2017 | Cartridge |
| Estates of Meadowridge | Estates of Meadowridge | #2 | Wake | 2017 | Cartridge |
| Five Oaks | Five Oaks | #1 | Alexander | 2016 | Cartridge |
| Forest Glen | Forest Glen | #1 | Wake | 2015 | Cartridge |
| Forest Glen | Forest Glen | #2 | Wake | 2015 | Cartridge |
| Forest Ridge | Forest Ridge | #1 | Catawba | pre-2014 | Greensand |
| Forest Ridge | Forest Ridge | #1/#2 | Catawba | 2017 | Cartridge |
| Forest Ridge/Bishops Gate | Bishops Gate | #3 | Wake | 2016 | Greensand |
| Fox Run/Craig Gardens | Fox Run/Craig Gardens | #3/#4 | Gaston | pre-2014 | Cartridge/Greensand |
| Galloway | Galloway | #1 | Wake | 2010 | Greensand |
| Galloway | Galloway | #2 | Wake | 2018 | Greensand |
| Georges Grant | Bayleaf Master | #1 | Wake | 2017 | Cartridge |
| Greenfield Manor | Holland Master | #2 | Wake | 2015 | Cartridge |
| Greymoss | Greymoss | #5/#6 | Durham | 2016 | Greensand |
| Greymoss | Greymoss | #3 | Durham | 2017 | Cartridge |
| Hallmark | Swift Creek Master | #2 | Wake | 2016 | Greensand |
| Hallmark | Swift Creek Master | #3 | Wake | 2016 | Greensand |
| Hallmark | Swift Creek Master | #4 | Wake | 2017 | Cartridge |
| Hampton Park | Hampton Park | #1 | Wake | 2018 | Greensand/RAD |
| Hawthorne | Bayleaf Master | #1 | Wake | 2017 | Cartridge |
| High Grove | High Grove | #1 | Wake | 2017 | Cartridge |
| High Meadows | High Meadows | #2 | Wake | 2017 | Cartridge |
| Highland Trail | Wilders Ridge | #1 | Wake | 2015/2017 | Cartridge/Greensand |
| Hillcrest | Hillcrest | #3 | Surry | pre-2014 | Greensand/Cartridge |
| Hillsboro | Hillsboro | #2 | Alexander | 2015 | Cartridge |
| Holland Downs | Holland Downs | #3 | Wake | 2015 | Cartridge |
| Hollybrook | Swift Creek Master | #4 | Wake | 1995 | Greensand |
| Honeycutt Landing | Honeycutt Landing | #2 | Wake | 2017 | Cartridge |
| Honeycutt Landing | Honeycutt Landing | #3 | Wake | 2018 | Cartridge |
| Hopson Downs | Hopson Downs | #3/#4 | Wake | 2011 | Greensand |
| Hudson Meadows | Hopson Downs | #1 | Wake | 2018 | Cartridge |
| Inglewood | Inglewood | #2 | Surry | pre-2014 | Greensand |

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|------------------------------------|-----------------------------------|-------|----------|------------------|---------------------|
| Jack Landing | Jack Landing | #1 | Warren | pre-2014 | Greensand |
| Keenland Manor | Keenland Manor | #1 | Durham | 2017 | Cartridge |
| Keltic Meadows | Keltic Meadows | #2 | Gaston | pre-2014 | Greensand |
| Kendall Hill/Meadow Stream | Kendall Hill/Meadow Stream | #2 | Wake | 2013 | Cartridge |
| Kennebec Farms | Kennebec Farms | #2 | Wake | 2015 | Cartridge |
| Kennebec Farms/Stamey's Walk | Kennebec Farms/Stamey's Walk | #1 | Wake | 2005 | Greensand |
| Kennebec Farms/Westmoor | Kennebec Farms/Westmoor | #1 | Wake | 2013/2015 | Cartridge/Greensand |
| Lake Rand | Lake Rand | #1 | Wake | 2015 | Greensand |
| Lake Ridge Aero Park | Lake Ridge Aero Park | #1 | Durham | 2018 | Cartridge |
| Lassiter Farms | Lassiter Farms | #1 | Wake | 2010 | Greensand |
| Mallard Crossing | Mallard Crossing | #2 | Gaston | pre-2014 | Greensand |
| Maplecrest | Maplecrest | #3 | Gaston | pre-2014 | Greensand |
| Meadow Ridge | Meadow Ridge | #1 | Wake | 2015 | Greensand |
| Meadow Ridge | Meadow Ridge | #2 | Wake | 2015 | Greensand |
| Meadow Ridge | Meadow Ridge | #1 | Guilford | pre-2014 | Greensand |
| Middle Creek Acres | Middle Creek Acres | #1 | Wake | 2017 | Cartridge |
| Mitchell Bluff | Mitchell Bluff | #1 | Surry | pre-2014 | Greensand |
| Monticello Estates | Monticello Estates | #1/#2 | Guilford | 2015 | Cartridge |
| Mountain Vista @ Luther Cove | Mountain Vista @ Luther Cove | #1/#2 | Buncombe | 2015 | Cartridge |
| Myatt Mill Farm /Bloomfield | Myatt Mill Farm /Bloomfield | #1/#3 | Wake | 2016 | Greensand |
| Nottingham Forest | Nottingham Forest | #2 | Wake | 1996 | Greensand |
| Nottingham Forest | Nottingham Forest | #1 | Wake | 2018 | Cartridge |
| Oak Hollow Estates | Oak Hollow Estates | #1 | Wake | 2015 | Greensand |
| Oakley Park | Oakley Park | #1/#2 | Gaston | pre-2014 | Greensand |
| Oaks of Meadow Ridge | Oaks of Meadow Ridge | #1/#2 | Guilford | 2017 | Cartridge |
| Ogburn Farm | Ogburn Farm | #1/#2 | Wake | 2017 | Cartridge |
| Ogburn Farm | Ogburn Farm | #1/#2 | Wake | 2018 | Greensand |
| Olde South Trace | Olde South Trace | #1 | Wake | 2017 | Cartridge |
| Ole Mill Stream | Ole Mill Stream | #3 | Johnston | 2015 | Greensand |
| Paceville | Paceville | #1 | Johnston | 2017 | Cartridge |
| Pebble Bay | Pebble Bay | #4 | Catawba | pre-2014 | Greensand |
| Pine Lakes | Pine Lakes | #2 | Surry | pre-2014 | Greensand |
| Rand Meadows | Rand Meadows | #3 | Wake | 2011 | Greensand |
| Reeves Woods | Reeves Woods | #2 | Surry | pre-2014 | Greensand |
| Rowland Pond | Rowland Pond | #1/#2 | Wake | 2015 | Cartridge |
| Royal Senter Ridge | Royal Senter Ridge | #1 | Wake | 2017 | Cartridge |
| Saddle Run | Saddle Run | #1 | Wake | 2015 | Greensand |
| Saddle Run | Saddle Run | #2 | Wake | 2015 | Greensand |
| Saddleridge | Saddleridge | #20 | Wake | 2016 | Cartridge |
| Saul's Ridge/Nottingham Forest | Nottingham Forest | #1/#3 | Wake | 2011 | Greensand |
| Sawyers Mill | Sawyers Mill | #10 | Wake | 2017 | Cartridge |
| Seville | Bayleaf Master | #1 | Wake | 2017 | Cartridge |
| Shadow Lake | Shadow Lake | #1 | Johnston | 2017 | Greensand |
| Shiloh | Shiloh | #1 | Catawba | 2016 | Greensand |
| Snow Hill | Snow Hill | #2 | Surry | pre-2014 | Chem-Free |
| Southwood | Southwood | #1 | Gaston | pre-2014 | Chem-Free |
| Southwoods | Southwoods | #1 | Johnston | 2017 | Cartridge |
| Southwoods | Southwoods | #2 | Johnston | pre-2014 | Greensand |
| Spencer Road Acres | Spencer Road Acres | #2 | Catawba | 2016 | Cartridge |
| Springdale | Springdale | #1 | Guilford | expanded in 2015 | Chem-Free |
| Stanstead | Saddle Run | #2 | Wake | 2001 | Greensand |
| Stonebridge | Stonebridge | #17 | | 2015 | Greensand |
| Stonecreek | Bayleaf Master | #18 | Wake | 2015 | Greensand |
| Stonehenge | Stonehenge | #1/#6 | Wake | 2018 | Greensand/RAD |
| Stoneridge | Stoneridge Master | #1 | Orange | 2011 | Greensand |
| Stoneridge | Stoneridge Master | #4 | Orange | 2011 | Greensand |
| Stoney Creek | Stoney Creek | #1/#4 | Wake | 2018 | Greensand/RAD |
| Stoney Oaks | Stoney Oaks | #2 | Gaston | pre-2014 | Chem-Free |
| Stonington | Stonington | #1 | Forsyth | pre-2014 | Greensand |
| Sunset Forest | Saddle Run | #1 | Wake | 2010 | Greensand |
| Sunset Forest | Saddle Run | #1 | Wake | 2010 | Greensand |
| Surry Point | Southwood-Surry Point | #3 | Wake | 2017 | Greensand |
| The Barony | Bayleaf Master | #5 | Wake | 2017 | Cartridge |
| The Hollows | The Hollows | #1 | Surry | pre-2014 | Greensand |
| Thompson Mill / Waterfall | Thompson Mill / Waterfall | #3 | Wake | 1998 | Greensand |
| Thompson Mill / Waterfall | Thompson Mill / Waterfall | #5 | Wake | 2017 | Greensand |
| Tyndrum | Tyndrum | #1 | Durham | 2018 | Cartridge |
| Upchurch | Upchurch | #1/#4 | Wake | 2017 | Cartridge |
| Village of Wynchester | Sedgemoor | #1 | Wake | 2017 | Greensand |
| Vintage Acres | Vintage Acres | #1 | Wake | 2017 | Cartridge |
| West Oaks | West Oaks | #1 | Wake | 2017 | Greensand |
| West Oaks/Springfield | West Oaks/Springfield | #1 | Wake | 2016 | Greensand |
| Westbury | Ridgebrook Bluffs | #1 | Wake | 2017 | Cartridge |
| Whittingham Master/Holland Meadows | Whittingham Master/Holland Meadow | #1 | Wake | 2016 | Cartridge |
| Wild Wing | Wild Wing | #1 | Gaston | pre-2014 | Greensand |
| Wilder's Ridge | Wilder's Ridge | #2 | Wake | 2013/2018 | Cartridge/Greensand |
| Windgate | Windgate | #1 | Surry | expanded in 2011 | Greensand |
| Woodland Oaks | Woodland Oaks | #3 | Catawba | 2017 | Cartridge |
| Woodvalley | Bayleaf Master | #9 | Wake | 2017 | Cartridge |