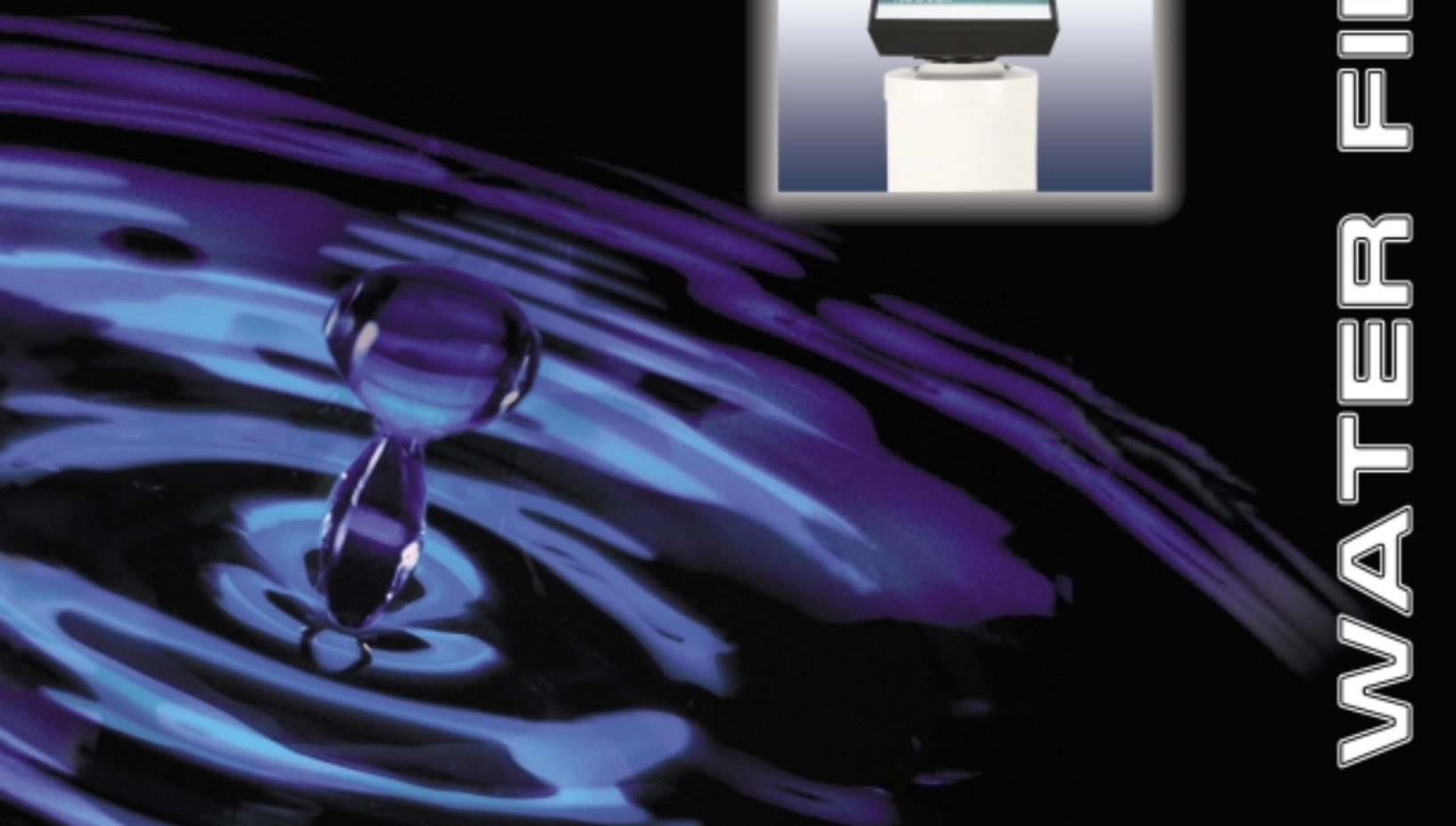


NOVATEK®



WATER FILTERS



Problem Water?

Minerals, such as iron, sulfur and manganese are often naturally present in water. The everyday activities of industry and agriculture also add impurities to the environment, changing the quality of our water.

These impurities cause water problems which show up in our homes as stained laundry, fixtures and appliances. Water may be cloudy, odorous, discolored or it may have a high acidic content which will destroy your plumbing.



These common water problems can be solved with the appropriate Novaclean water filter. Your family can enjoy clean, clear drinking water, sparkling stain-free dishes, laundry and fixtures and corrosion-free plumbing.

NOVATEK® Has The Solutions

Novatek manufactures a full range of systems to correct any water problem in the most economical and efficient way.



Novaclean IF

Iron free - Iron clad guarantee. . . **Novaclean IF**

Chemical Free Iron Filter

The Novaclean IF has surpassed all other filters in its ability to remove iron. It uses no costly or messy chemicals. Instead, the system oxidizes iron and collects it in the filter media. Novaclean IF also neutralizes acidic water. Occasionally, the iron is flushed from the filter using only water.

Get the iron & sulfur out. . . **Novaclean ISF**

Iron & Sulfur Filter

As the water passes through the filter bed, it comes in contact with oxygen-charged manganese greensand. This causes iron, manganese and sulfur to oxidize into particles which can be trapped in the filter bed. Eventually the manganese greensand loses its oxygen charge and regeneration is necessary.

The filter bed is cleaned, then a measured amount of potassium permanganate is drawn from the feeder through the filter bed, recharging it with oxygen. Two rapid rinses ready the bed to filter your water again.



Novaclean ISF



Free Water Analysis!

If you're not sure about the quality of your water, your Novatek® representative will be happy to analyze a sample of your water and make the appropriate recommendations at no charge and with no obligation to you.

Additional features of the Novaclean filters include:

- IF, ACF, MMF and NF models feature the Novatek 12 day calendar clock programmable composite control valve with a *seven year guarantee*
- ISF models feature the Novatek meter initiated programmable composite control valve with a *seven year guarantee*
- Heavy duty fiberglass tanks with a *lifetime guarantee*
- Bypass valve for ease of installation and service
- Tank jackets standard on 8", 9" and 10" tanks



Removes unpleasant taste & odor. . . Novaclean ACF

Activated Carbon Filter

Unpleasant tastes and odors caused by chlorine or organic substances, such as decayed vegetation and run-off are adsorbed by quality activated carbon. Occasional backwashing is necessary to free the filter bed of impurities and ready it for operation again.

Takes away cloudiness. . . Novaclean MMF

Multimedia Filter

Suspended particulate matter, such as clay and silt, which gives water a cloudy appearance, is trapped in the filter bed to produce clean, clear water. A variety of gravels and sand facilitates more thorough backwashing and prevents channeling.

Protects pipes, fixtures & appliances. . . Novaclean NF

Neutralizing Filter

The Novaclean NF contains special media which raises the pH of acidic water and neutralizes its acidic characteristics. On some applications, this filter also facilitates the removal of iron and manganese by raising the pH to enable an iron filter to be used. Occasional backwashing cleans the bed. Over a period of time, additional media may be required.



Novaclean ACF,
MMF and NF

Specifications

Novaclean IF

Model Description	"M" Model No Description	Media Cu Ft	Flow Rates USGPM			Installation Space Inches - W x D x H	Fiberglass Tank Size - Inches	Shipping Weight - Lbs
			Service	Peak	Backwash			
NCF75	NCF75M	.75	2	5	3.5	10 x 10 x 57	8 x 47	110
NCF10	NCF10M	1.0	3	6	4	11 x 11 x 58	9 x 48	145
NCF15	NCF15M	1.5	4	10	5	12 x 12 x 64	10 x 54	250
NCF20	NCF20M	2.0	5	15	7	14 x 14 x 62	12 x 52	365

Novaclean ISF

Model Description	Manganese Greensand Cu Ft	Pot Perm* per Regen	Iron Removal Capacity - ppm	Flow Rates USGPM		Installation Space Inches - W x D x H	Fiberglass Tank Size - Inches	Shipping Weight - Lbs
				Service	Backwash			
NMGF75MI	.75	2 oz	4,500	4	3.5	20 x 10 x 57	8 x 47	120
NMGF10MI	1.0	4 oz	6,000	5	5	22 x 12 x 57	10 x 47	150
NMGF15MI	1.5	6 oz	9,000	8	7	24 x 14 x 62	12 x 52	180
NMGF20MI	2.0	8 oz	12,000	10	10	26 x 16 x 60	14 x 50	265

Novaclean ACF

Model Description	Carbon Cu Ft	Flow Rates USGPM			Installation Space Inches - W x D x H	Fiberglass Tank Size - Inches	Shipping Weight - Lbs
		Service	Peak	Backwash			
NACF75	.75	4	5	3.5	10 x 10 x 57	8 x 47	45
NACF10	1.0	5	7	5	12 x 12 x 57	10 x 47	65
NACF15	1.5	7	10	7	14 x 14 x 62	12 x 52	93
NACF20	2.0	10	12	10	16 x 16 x 60	14 x 50	105

Novaclean MMF

Model Description	Media Cu Ft	Flow Rates USGPM			Installation Space Inches - W x D x H	Fiberglass Tank Size - Inches	Shipping Weight - Lbs
		Service	Peak	Backwash			
NMMF75	.75	4	5	4	10 x 10 x 57	8 x 47	95
NMMF10	1.0	5	7	5	11 x 11 x 58	9 x 48	145
NMMF15	1.5	7	10	7	12 x 12 x 64	10 x 54	213
NMMF20	2.0	10	12	10	14 x 14 x 62	12 x 52	265

Novaclean NF

Model Description	Media Cu Ft	Flow Rates USGPM			Installation Space Inches - W x D x H	Fiberglass Tank Size - Inches	Shipping Weight - Lbs
		Service	Peak	Backwash			
NNF75	.75	2	3.5	3.5	10 x 10 x 57	8 x 47	75
NNF10	1.0	3	5	4	11 x 11 x 58	9 x 48	115
NNF15	1.5	5	8	5	12 x 12 x 64	10 x 54	165
NNF20	2.0	6	10	7	14 x 14 x 62	12 x 52	215

- * **Potassium Permanganate sold separately.**
- Novaclean IF Models ending in "M" are required when raw water has up to 1.0 mg/l of manganese or when pH is below 7.0. Over a period of time, it may become necessary to add more media to the unit. Adding media is necessary only when water has low pH or manganese is present.
- Maximum Water Temperature = 110°F (43°C)
- Maximum Operating Pressure = 100 PSIG (689 kPa)
- Pipe Size = 3/4"
- At the stated service flow rates, the pressure drop through these devices will not exceed 15 psig.
- Peak flow rates intended for intermittent use only (10 minutes or less) and are for residential applications only. Do not use peak flow rate for commercial applications or for a continuous rate when treated water supplies are geothermal heat pump, swimming pool, etc.
- For satisfactory operation, the pumping rate of the well system must equal or exceed indicated backwash flow rate.
- The manufacturer reserves the right to make product improvements which may deviate from the specifications and descriptions stated herein, without obligation to change previously manufactured products or to note the change.