NOVO®
PROFESSIONAL WATER SYSTEMS

NVO489DF Whole Home Carbon Filters
SPECIFICATION SHEET

WARRANTY 7 yr WARRANTY
CONTROL VALVE

WARRANTY LIFETIME WARRANTY
PRESSURE TANK

97% CHLORINE REMOVAL OVER 1,100,000 GALLONS*

Based on model: NVO489DFTO-150.

LEAD FREE UPC C ®

IAPMO R&T Certified to NSF/ANSI 42, 372 and CSA B483.1.

Water Filter

Reduce Chlorine, Chloramines and Other Chemicals from Your Water

Chlorine and chloramines are the most widely used disinfectants in municipal water treatment, ensuring water remains biologically safe during distribution to homes and businesses. However, once delivered, these disinfectants can pose health risks and cause long-term damage to plumbing systems. Carbon filtration remains the most effective and proven method for reducing chlorine, chloramines, and various other contaminants, including heavy metals like lead and mercury, pesticides, volatile organic compounds (VOCs), trihalomethanes (THMs), toxic organics, phenols and tannins. In addition to health concerns, chlorine, chloramines and organic compounds can negatively affect water's taste and odor.

KEY FEATURES

Chlorine Reduction: Novo TO and TOK filters use high-quality AQUAFINE® granular activated carbon (GAC) to adsorb chlorine and organic compounds, significantly improving water quality.

Chloramine Reduction: Novo DFTOC, DFTOCK and DFCLA filters use AQUAFINE® catalytic granular activated carbon to reduce chloramine, chlorine and organic compounds.

Optional KDF: DFTOK and DFTOCK models feature a KDF protector that controls rotten egg odor caused by sulphate reducing bacteria that can occur in carbon filters on some municipal water supplies in warm water markets (available only in the U.S.A.).

Tank Features: Moisture wicking neoprene tank jacket included on all pressure tanks.

VALVE FEATURES

True 1" Porting For high-flow applications.

1" 90-Degree Elbows Included for easy installation.

Timesaving Quick Connect Fittings Quick connect fittings on bypass, drain line (10' included), brine line and power cord. Bypass included.

Unique Bypass Design Integrated turbine meter saves space, eliminates connections and is more durable.

Four Line Touch Pad LCD Display No-touch rotating information display. Just set the time, date, and hardness.

48-Hour Programming Memory Automatic programming restore for up to 48 hours during power loss.

NSF COMPONENT

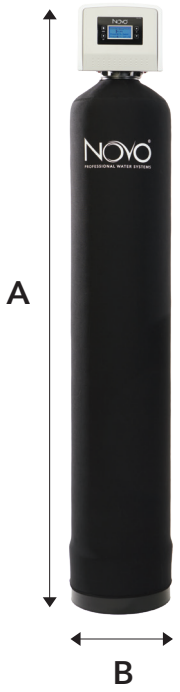
Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

489 CARBON FILTERS

Item #	Model	Media (Cu Ft)	Flow Rate			Pressure Tank Size (inches)	Pipe Size (inches)	Media Loaded	Shipping Weight (lbs)	Capacity
			Service	Peak	Backwash					
TASTE & ODOR FILTERS (SINGLE TANK, AQUAFINE® GRANULAR ACTIVATED CARBON - COCONUT SHELL)										
15060754	NVO489DFTO-100	1.0 ft³	5.0 US gpm	7.0 US gpm	4.0 US gpm	9 x 48	1"	Yes	66 lbs	750,000 gal
15060755	NVO489DFTO-150	1.5 ft³	7.0 US gpm	10.0 US gpm	5.0 US gpm	10 x 54	1"	Yes	85 lbs	1,100,000 gal
15060756	NVO489DFTO-200	2.0 ft³	10.0 US gpm	12.0 US gpm	7.0 US gpm	12 x 52	1"	Yes	107 lbs	1,500,000 gal
15060757	NVO489DFTO-300	3.0 ft³	12.0 US gpm	15.0 US gpm	10.0 US gpm	14 x 65	1"	No	160 lbs	2,250,000 gal
Item #	Model	Media (Cu Ft)	Flow Rate			Pressure Tank Size (inches)	Pipe Size (inches)	Media Loaded	Shipping Weight (lbs)	Capacity
			Service	Peak	Backwash					
TASTE & ODOR FILTERS WITH KDF (SINGLE TANK, AQUAFINE® GRANULAR ACTIVATED CARBON WITH KDF85) Available only in the U.S.A.										
15060759	NVO489DFTOK-100	1.0 ft³	5.0 US gpm	7.0 US gpm	4.0 US gpm	9 x 48	1"	Yes	66 lbs	750,000 gal
15060760	NVO489DFTOK-150	1.5 ft3	7.0 US gpm	10.0 US gpm	5.0 US gpm	10 x 54	1"	Yes	85 lbs	1,100,000 gal
15060761	NVO489DFTOK-200	2.0 ft³	10.0 US gpm	12.0 US gpm	7.0 US gpm	12 x 52	1"	Yes	107 lbs	1,500,000 gal
Item #	Model	Media (Cu Ft)	Flow Rate			Pressure Tank Size (inches)	Pipe Size (inches)	Media Loaded	Shipping Weight (lbs)	Capacity
			Service	Peak	Backwash					
CHLORAMINE REDUCTION FILTERS (SINGLE TANK, AQUAFINE® CATALYTIC CARBON)										
15060764	NVO 489DFTOC-100	1.0 ft³	5.0 US gpm	7.0 US gpm	4.0 US gpm	9 x 48	1"	Yes	66 lbs	750,000 gal
15060765	NVO 489DFTOC-150	1.5 ft³	7.0 US gpm	10.0 US gpm	5.0 US gpm	10 x 54	1"	Yes	85 lbs	1,100,000 gal
15060766	NVO 489DFTOC-200	2.0 ft³	10.0 US gpm	12.0 US gpm	7.0 US gpm	12 x 52	1"	Yes	107 lbs	1,500,000 gal
15060767	NVO 489DFTOC-300	3.0 ft³	12.0 US gpm	15.0 US gpm	10.0 US gpm	14 x 65	1"	No	160 lbs	2,250,000 gal
Item #	Model	Media (Cu Ft)	Flow Rate			Pressure Tank Size (inches)	Pipe Size (inches)	Media Loaded	Shipping Weight (lbs)	Capacity
			Service	Peak	Backwash					
CHLORAMINE REDUCTION FILTERS WITH KDF (SINGLE TANK, AQUAFINE® CATALYTIC CARBON WITH KDF85) Available only in the U.S.A.										
15060769	NVO489DFTOCK-100	1.0 ft³	5.0 US gpm	7.0 US gpm	4.0 US gpm	9 x 48	1"	Yes	66 lbs	750,000 gal
15060770	NVO489DFTOCK-150	1.5 ft³	7.0 US gpm	10.0 US gpm	5.0 US gpm	10 x 54	1"	Yes	85 lbs	1,100,000 gal
15060771	NVO489DFTOCK-200	2.0 ft³	10.0 US gpm	12.0 US gpm	7.0 US gpm	12 x 52	1"	Yes	107 lbs	1,500,000 gal

ALL FILTERS	
REGENERATION TYPE	DOWNFLOW (COCURRENT)
PLUMBING CONNECTIONS	INCLUDES 1" 90° NPT ELBOWS
ELECTRICAL REQUIREMENTS	INPUT 120V 60 Hz - OUTPUT 12V 650mA
WATER TEMPERATURE LIMITS	MIN 40° - MAX 110° F (4° - 43° C)
WATER PRESSURE LIMITS	MIN 30 - MAX 125 PSI (207 - 862 KPA)



DIMENSIONS

NVO485DF Carbon Filters	100	150	200	300
TANK/VALVE A x B (inches)	56 x 9	62 x 10	60 x 12	74 x 14

QUICK LINKS

- Homeowner's Manual
- Installation Guide
- Maintenance Guide
- Trouble Shooting Guide
- Parts Breakdown
- Programming Guide
- Warranty Sheet