

# Performance Data Sheet

The models listed below are certified by IAPMO R&T against NSF/ANSI 42, 372 & CSA B483.1 for Chlorine, Taste & Odor reduction, & lead-free requirement.

Model	075	100	150	200	300	100 MB
<b>485 Valve</b>	NVO485DFCLA-075	NVO485DFCLA-100	NVO485DFCLA-150	NVO485DFCLA-200	NVO485DFCLA-300	
	NVO485DFCLAK-075	NVO485DFCLAK-100	NVO485DFCLAK-150	NVO485DFCLAK-200		
		NVO485UFHTO-100	NVO485UFHTO-150	NVO485UFHTO-200	NVO485UFHTO-300	
		NVO485UFHTOK-100	NVO485UFHTOK-150	NVO485UFHTOK-200		
	NVO485DFTO-075	NVO485DFTO-100	NVO485DFTO-150	NVO485DFTO-200	NVO485DFTO-300	
	NVO485DFTOC-075	NVO485DFTOC-100	NVO485DFTOC-150	NVO485DFTOC-200	NVO485DFTOC-300	
	NVO485DFTOK-075	NVO485DFTOK-100	NVO485DFTOK-150	NVO485DFTOK-200		
	NVO485DFTOCK-075	NVO485DFTOCK-100	NVO485DFTOCK-150	NVO485DFTOCK-200		
<b>489 Valve</b>				NVO489DFCLA-200		
		NVO489UFHTO-100	NVO489UFHTO-150	NVO489UFHTO-200	NVO489UFHTO-300	NVO489UFMBHTO-100
		NVO489UFHTOK-100	NVO489UFHTOK-150	NVO489UFHTOK-200		
	NVO489DFTO-075	NVO489DFTO-100	NVO489DFTO-150	NVO489DFTO-200	NVO489DFTO-300	
	NVO489DFTOC-075	NVO489DFTOC-100	NVO489DFTOC-150	NVO489DFTOC-200	NVO489DFTOC-300	
	NVO489DFTOK-075	NVO489DFTOK-100	NVO489DFTOK-150	NVO489DFTOK-200		
	NVO489DFTOCK-075	NVO489DFTOCK-100	NVO489DFTOCK-150	NVO489DFTOCK-200		
Tank diameter (in.):	8	9	10	12	14	9
Rated Service Flow (gpm):	4.6	5.2	7.2	9.0	9.2	5.2
Loose Media Volume (ft <sup>3</sup> ):	0.75	1.0	1.5	2.0	3.0	0.25
Capacity (gal)	500,000	750,000	1,100,000	1,500,000	2,250,000	185,000
Substance	Chlorine					
Influent Challenge Concentration	2.0 mg/L ± 10%					
Reduction Requirement	≥ 50%					

# Performance Data Sheet



The models listed below are additionally rated for efficiency by IAPMO R&T according to NSF/ANSI 44, for the removal of Hardness.

Model	100	150	200	300	100 MB
485 Valve	NVO485UFHTO-100	NVO485UFHTO-150	NVO485UFHTO-200	NVO485UFHTO-300	
	NVO485UFHTOK-100	NVO485UFHTOK-150	NVO485UFHTOK-200		
489 Valve	NVO489UFHTO-100	NVO489UFHTO-150	NVO489UFHTO-200	NVO489UFHTO-300	NVO489UFMBHTO-100
	NVO489UFHTOK-100	NVO489UFHTOK-150	NVO489UFHTOK-200		
Rated Softening Capacity (grains)	10,222 @ 2.25lbs	13,629 @ 3lbs	20,444 @ 4.5lbs	27,258 @ 6lbs	40,887 @ 9lbs
Efficiency (grains/lb salt)	4,543	4,543	4,543	4,543	4,543

Point-of-use and point-of-entry systems intended to reduce substances affecting the aesthetic quality of the water or to add chemicals for scale control, or both.

Certification demonstrates that all materials safety and structural integrity (as applicable) requirements have been met.

To be installed in accordance with the manufacturer's installation instructions and the requirements of the latest edition of the Uniform Plumbing Code®.

Point-of-Entry products certified to this standard also comply with the health effects materials safety requirements listed in NSF/ANSI 61.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

This system has been tested according to NSF/ANSI 42 for reduction of the substances listed. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42.

The system conforms to NSF/ANSI 44 for the specific performance claims as verified and substantiated by test data. Efficiency is measured by a laboratory test described in NSF/ANSI 44; that the test represents the maximum possible efficiency the system can achieve; that operational efficiency is the actual efficiency achieved after the system has been installed; and that operational efficiency is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity. The efficiency rated water softeners shall have a rated salt efficiency of not less than 3,350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477 g of total hardness exchange per kilogram of salt) and shall not deliver more salt or be operated at a sustained maximum service flow rate greater than its listed rating. The efficiency rated water softener is a DIR softener, which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation.