

Model NR981 Series Residential Tankless Water Heater Specification Sheet

- **Standard Input** - gas consumption ranges from 16,000 BTU/h to 199,900 BTU/h
- **Capacity Range** - flow rates from 0.5 gpm up to 9.8 gpm
- **Compact Design** - ANSI Z21.10.3/CSA 4.3 certified design that can be wall-mounted indoors (-SV and -DVC models only) or installed outdoors with an -OD model
- **Durable Steel Casing with Polyester Coating**
- **Heat Exchanger** - manufactured with commercial grade copper, 25% thicker piping than standard models
- **Venting Options** - available in Power Vent (-SV), Outdoor (-OD), or Concentric Direct Vent (-DVC) model that requires either 4" Category III or 5" 3/8" Noritz concentric stainless steel pipe
- **Direct Electronic Ignition**
- **Quick-Connect** - two identical units can be linked together by using the optional Quick Connect Cord (#QC-2) for twice the hot water capacity
- **Energy Factor** - 0.82 (NG) 0.88 (LP) for all NR981 Series models
- **Thermal Efficiency** - 84% efficient for use with natural gas or propane
- **Temperature Controls** - includes remote thermostat that can precisely adjust the output temperature from 100°F to 140°F with the capability to display temperatures in both °C and °F
- **Power Cord Installation Kit** - 6' power cord is included with -SV and -DVC models (*assembly required for SV models*)
- **Safety Devices** - Flame Sensor, Overheat Prevention Device, Lightning Protection Device, Freeze Protection
- **Additional Features** - Temperature Lockout, High Elevation Adjustment, Service Reminder Function
- **12-Year* Limited Heat Exchanger Warranty for Residential Use**
- **5-Year Limited Parts Warranty**
- **1-Year Reasonable Labor**
- **Approvals** - CSA, UPC**, NSF, Low NOx Approved by SCAQMD [$<14\text{ng}/\text{J}$ or 20ppm],



SV Model

OD Model

DVC Model

Model

NR981 - _____

- SV (Standard Vent)
- OD (Outdoor Vent)
- DVC (Concentric Direct Vent)

Accessories

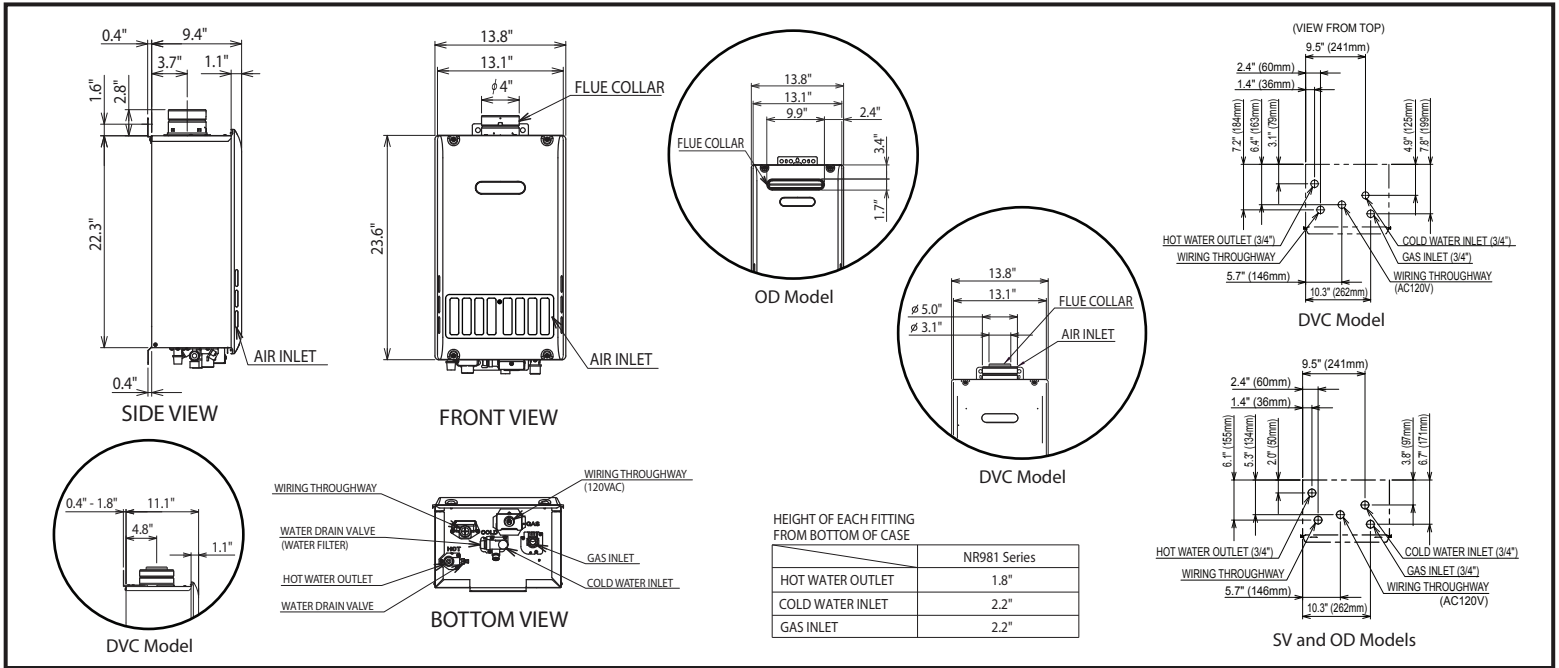
- Isolation Valves (#IK-WV-200-1)
- Pipe Cover for SV/OD Model (#PC-2S)
- Pipe Cover for DVC Model (#PC-5S)
- Recess Box for OD Model (#RB-700-1)
- Quick Connect Cord (#QC-2)



* Heat Exchanger warranty is maintained at 12 years or 6500 operational hours, whichever occurs first, when used in a single family dwelling in conjunction with a controlled recirculation system (an aquastat being the minimum pump control requirement) in accordance with the Installation Manual. Refer to the Noritz Limited Warranty for complete coverage details

** This product complies with California AB 1953 Low Lead Law and Section 1417(d) of the Safe Drinking Water Act

Dimensions

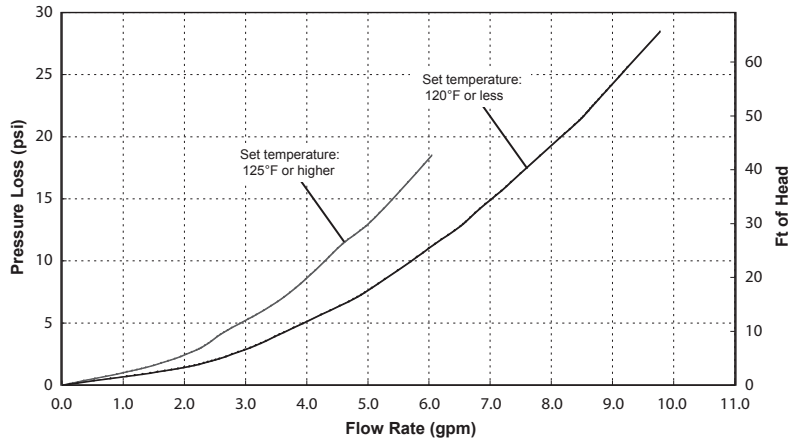


Flow Rates

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100
Flow Rate (GPM)	9.8	8.4	7.5	6.7	5.6	4.8	4.2	3.7	3.4

For peak flow rates in shaded areas, contact Noritz for proper setting

Pressure Loss



Specifications

Model Name	NR981-SV	NR981-OD	NR981-DVC
Weight	54 (pounds)		58 (pounds)
Operating Pressure	15 - 150 psi		
Gas Supply Pressure	NG: 4.0" - 10.5" LP: 8.0" - 14.0"		
Water Holding Capacity	0.5 Gallon (1.8 L)		0.2 Gallon (1.0 L)
Connection Sizes	Water Inlet	3/4"	
	Hot Water Outlet	3/4"	
	Gas Inlet	3/4"	
Power	Supply	120VAC (60Hz), less than 2 amperes	
	Consumption	NG: 65W LP: 69W Freeze Prevention 193W	NG: 65W LP: 67W Freeze Prevention 161W
Freeze Protection	Indoor: -30°F		Outdoor: -4°F
Temperature Settings	°F Mode	100-140°F (In 5°F intervals) (9 Options)	
	°C Mode	37-48°C (In 1°C intervals), 50, 55, 60°C (In 5°C intervals) (15 Options)	
Default Temperature Options	°F Mode	120, 135, 140°F (Default is 120°F)	
	°C Mode	50, 57, 60°C (Default is 50°C)	

Noritz America reserves the right to discontinue, or change at any time, the designs and/or specifications of its products without notice.