

Specifications

Materials

Toilet bowl: vitreous ceramic (models 310, 311, 320, 321); polypropylene (models 300, 301)

Toilet seat: polypropylene (models 300, 301, 310, 311); enameled wood (models 320, 321)

Flush ball seal: nitrile butyl rubber

Toilet base: polypropylene

Foot pedal: polypropylene

Water valve: polypropylene

Vacuum breaker: ABS/polypropylene

Floor seal: nitrile rubber, foam

Minimum installation requirements

Water Supply	Fitting	0.5 in. NPT
	Flow rate	3.0-5.0* gpm / 11.4-18.9 lpm recommended 2.0 gpm / 9.5 lpm minimum
	Static pressure	30-100 PSI / 206.8-689.5 kPa
Discharge	Floor flange	3 in./76 mm ID, 1/4 - 7/16 in. thick

* Water supply that exceeds 5.0 gpm/18.9 lpm may require a flow restrictor at toilet inlet. Specifications subject to change without notice.

Toilet Dimensions (fig. 2)

All dimensions may vary ±3/8 inch (10 mm)

Ref.	Dimensions – Standard-height toilets		
	Model 300	Model 310	Model 320
A	19.75 in. / 502 mm	20 in. / 508 mm	19.75 in. / 502 mm
B	16 in. / 406 mm	15 in. / 381 mm	14.75 in. / 375 mm
C	19.75 in. / 502 mm	19 in. / 483 mm	22 in. / 559 mm
D	18.25 in. / 464 mm - seat height	18 in. / 457 mm - seat height	18.25 in. / 467 mm - seat height
E	13.25 in. / 337 mm	14.75 in. / 375 mm	16 in. / 406 mm
F	33.5 in. / 851 mm - seat lid up	33 in. / 838 mm - seat lid up	35 in. / 889 mm - seat lid up

Ref.	Dimensions – Low-profile toilets		
	Model 301	Model 311	Model 321
A	15.5 in. / 394 mm	15.25 in. / 387 mm	15 in. / 381 mm
B	16 in. / 406 mm	15 in. / 381 mm	14.75 in. / 375 mm
C	19.75 in. / 502 mm	19 in. / 483 mm	22 in. / 559 mm
D	14 in. / 356 mm - seat height	13.75 in. / 349 mm - seat height	13.5 in. / 343 mm - seat height
E	13 in. / 330 mm	14.75 in. / 375 mm	15.75 in. / 400 mm
F	30 in. / 762 mm - seat lid up	29.5 in. / 749 mm - seat lid up	31 in. / 787 mm - seat lid up

Rough-in dimensions (fig. 3)

Ref.	Dimensions/Description			
	Model 300	Model 301	Models 310, 311	Models 320, 321
A	8.5 in. / 216 mm	8.75 in. / 222 mm	10 in. / 254 mm	11 in. / 279 mm
B	11 in. / 279 mm			
C	11 in. / 279 mm			
D	Floor flange			
E	Left wall			
F	Back wall			
G	Right wall			

Components (fig. 1)

Ref.	Description	Ref.	Description
A	Toilet seat	G	Vacuum breaker cover (310 only)
B	Flush ball seal	H	Vacuum breaker
C	Toilet bowl	I	Water valve
D	Toilet base	J	Floor mounting hardware kit
E	Flush pedal	Refer to complete parts list (available online at www.dometic.com) for additional information.	
F	Floor flange seal		

Installation

Note
Be sure foot pedal, when pressed, touches same flat surface on which toilet is installed.

Note
Be sure to follow recommended installation requirements in this manual.

Tools required

- pliers or adjustable wrench
- 7/16-in. / 11 mm wrench

Toilet installation

- To replace an older toilet, turn off water supply to toilet. Remove and drain water supply line. Remove toilet hold-down bolts/screws. Remove toilet from floor. Remove and discard old floor flange seal and hold-down bolts. Verify center of floor flange is at least the recommended rough-in distance from back wall (fig. 3 A) for your toilet model (see **Rough-in dimensions** chart). Make sure top surface of floor flange is clean and free of any debris or sealant.
- If installing a new floor flange, make certain that toilet mounting holes are located at the correct angle (fig. 3 D). Floor flange must be secured to floor with a minimum of four screws (8 is preferred). Insert two supplied T-bolts into slots in floor flange (fig. 4).
- Verify that floor flange seal is installed on base of toilet (fig. 5 A). Carefully set toilet over floor flange. Align holes in toilet base with T-bolts as toilet is lowered onto floor flange. Toilet must be aligned so that outlet of base fits inside of floor flange outlet hole.

Note
Entire toilet base does not rest completely on floor yet. Floor seal must be compressed in following steps.

- Install floor mounting nuts and washers onto T-bolts. Carefully torque nuts to 30-40 inch-pounds. DO NOT OVERTIGHTEN. Alternate between sides when tightening to prevent distortion of base. When tight, base should be securely attached and flat against floor. Attach bolt covers onto nuts. (Fig. 5 B)
- If toilet is being installed in a shower stall, apply a bead of caulk around base of toilet to prevent water seepage under base.
- Connect water supply line and torque connection to 30-40 inch-pounds (fig. 5 C). DO NOT OVERTIGHTEN. **NOTE: Model 301 toilet may require 1/2-in. elbow fitting or adapter.**
- Turn on water supply line. Flush toilet several times and check for leaks.

Winterization and storage

When a Dometic toilet is stored for long periods of time or may be exposed to temperatures below freezing, the toilet must be winterized or stored according to one of the following procedures.

Caution
This toilet is not intended for use when exposed to temperatures below freezing.

Caution
Never use automotive-type antifreeze (ethylene glycol) in freshwater systems.

Note
Use nontoxic antifreeze (propylene glycol) designated for potable water systems. (See vehicle owner's manual.)

Storage options

Non-toxic Antifreeze Winterization (recommended method)

- Pour antifreeze in potable water tank according to instructions from antifreeze manufacturer.
- Flush toilet several times until antifreeze has flowed completely through toilet. For toilets with hand sprayer, the hand sprayer must be turned on to assure antifreeze is cycled through the sprayer.

Drain Water from Toilet

- Turn off water supply to toilet.
- Remove water supply line from water valve.
- Place a small container under water valve inlet to catch draining water.
- Press flush pedal and allow water to completely drain from water valve and vacuum breaker.
- Leave water line disconnected until threat of freezing temperature is past.

Note
Never leave vehicle or premises unoccupied for extended periods of time with municipal water supply or onboard water pump turned on when there is a possibility of freezing temperature.

IMPORTANT:

Toilet warranty does not cover freeze-damaged water valve

The Dometic 300, 310 and 320 series toilet warranty expressly excludes coverage for any damages to the toilet or vehicle that may occur as a result of improper winterization of the toilet. **An indicator of improper winterization is freeze damage to the water valve which results in leaks.**

Dometic toilet water valves exceed maximum water pressure as defined by North American plumbing code agencies. However, if trapped water freezes in piping that supplies water to the toilet, it expands and creates extremely high pressure that can damage the valve (see photo). To avoid this, winterize the toilet as described in this manual. If freeze-damage occurs as a result of improper winterization, replace the water valve with a 300/310/320 series toilet water valve kit, part number 385311641. **IF WATER VALVE IS RETURNED FOR WARRANTY CLAIM, DOMETIC RESERVES THE RIGHT TO DENY CLAIM IF PROBLEM IS CAUSED BY FREEZE DAMAGE.**

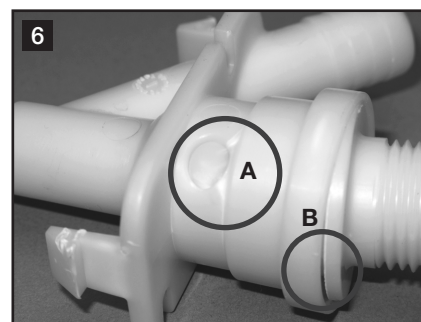


Fig. 6 A – Freeze Damage Indicator Window: white stress marks indicate freeze damage
B – Water valve damage due to severe exposure to below-freezing temperature

Troubleshooting

Problem	Possible Cause	Service Instruction
1. Water will not stay in bowl.	a. Ball seal is not properly positioned. b. Flush ball or seal is dirty. c. Worn or damaged flush ball seal.	a. Press pedal to hold flush ball open, then lightly press down around edge of ball seal with finger to conform to flush ball. b. Clean flush ball and seal. c. Replace seal.
2. Odor emits from toilet when flush ball is open.	a. Plugged holding tank vent. b. Odor from holding tank contents.	a. Clear obstruction from vent. b. Add deodorant to holding tank.
3. Odor emits from toilet when flush ball is closed.	a. No water in bowl. b. Damaged flush ball seal. c. Damaged floor flange seal.	a. Add water to bowl. b. Replace seal. c. Replace floor seal.
4. Flush ball will not close completely.	a. Too much friction between flush ball and seal.	a. Clean and lubricate flush ball and seal with silicone spray or furniture polish.
5. Water flow into toilet will not stop.	a. Worn or defective water valve.	a. Replace water valve.
6. Water does not enter toilet bowl properly.	a. Insufficient water flow rate at toilet inlet. b. Screen at water valve inlet is clogged. c. Water valve is worn or damaged. d. Plugged rim wash holes or rim jet (300 series only) in toilet.	a. Make sure flow rate at toilet inlet is 3.0-5.0 gpm / 11.4-18.9 lpm (recommended rate). b. Clean screen. c. Replace water valve. d. Clean rim wash holes.
7. Hand sprayer leaks (hand sprayer is not provided with all models).	a. Hand sprayer is defective.	a. Replace hand sprayer.
8. Water is leaking from water valve.	a. Water line connection is loose or not seated properly. b. Water valve is damaged or defective.	a. Insure that threads are not cross-threaded and tighten connection. b. Replace water valve.
9. Water is leaking from toilet base.	a. Toilet is not secure to floor. b. Worn or defective floor flange seal.	a. Tighten toilet mounting bolts. b. Replace floor flange seal.
10. Water is leaking from rear of toilet.	a. Loose vacuum breaker. b. Damaged or defective vacuum breaker. c. Cracked or defective toilet bowl.	a. Make sure vacuum breaker stem is pushed fully into sealing grommet in back of bowl (310 and 320 series), or securely connected to rim jet (300 series). b. Replace vacuum breaker. c. Replace toilet.

Dometic is a customer-driven, world-leading provider of leisure products for the RV, automotive, truck and marine markets. We supply the industry and aftermarket with a complete range of air conditioners, refrigerators, awnings, cookers, sanitation systems, lighting, mobile power equipment, comfort and safety solutions, windows, doors and other equipment that make life more comfortable away from home.

Dometic supplies a wide range of workshop equipment for service and maintenance of built-in air conditioners. Dometic also provides specially designed refrigerators for hotel rooms, offices, wine storage and transport and storage of medical products.

Our products are sold in almost 100 countries and are produced mainly in wholly-owned production facilities around the world.