

<b>Vessel</b>	<b>Total Volume BW/GW Rated AWTS capacity (m3/day)</b>	<b>Maximum volume graywater generated (m3/day)</b>	<b>Maximum volume blackwater generated (m3/day)</b>	<b>Combined discharge?</b>	<b>Maximum combined discharge flow (m3/day)</b>	<b>Discharge port pump capacity (m3/hr)</b>	<b>Internal discharge pipe diameter (mm)</b>	<b>Internal discharge pipe diameter (in.)</b>	<b>Discharge Pipe Shape</b>	<b>Discharge Port Angle to Waterline</b>	<b>Velocity (m/s)</b>	<b>Depth Below WL (m)</b>
Norwegian Jewel	1780	1150	100	yes	1200	50	88.9	3.5	Round	Parallel		4.5
Norwegian Pearl	1780	1150	100	yes	1200	50	100	3.9	Round	Parallel		4.5
Norwegian Sun	1440	900	80	yes	1440	50	101.6	4.0	Round	Parallel		4.7
Disney Wonder	1200	615	100	yes	1200	42	152.4	6.0	Round	Parallel		1.6
Statendam*	660	550	60	yes	610	30	100	3.9	Round	Parallel		1.4
Volendam*	710	575	60	yes	630	26.3	100	3.9	Round	Parallel		6.0
Zaandam*	710	575	60	yes	635	30	100	3.9	Round	Parallel		3.0
Seven Seas Naviga	360	331	28.8	yes	360	25	200	7.9	Round?	Parallel		0.4
Silver Shadow*	250	225	25	yes	90	9.37	65	2.6	Round	Parallel		3.6
Oceania Regatta**	480	330	15	yes	345	8	65	2.6	Round	Parallel		3.6
Coral Princess	640	910	200	yes	1110	30	60	2.4	Round	Parallel		2.5
Diamond Princess	960	1010	220	yes	1370	30	150	5.9	Round	Slightly downward		1.5
Golden Princess	960	1125	240	yes	1365	30	100	3.9	Round	Parallel		4.7
Golden Princess*	960	1125	no - GW only		1125	30	100	3.9	Round	Parallel		4.7
Grand Princess	960	897	90	yes	931	30	102	4.0	Round	Parallel		4.7
Grand Princess*	960	897	no - GW only		897	30	102	4.0	Round	Parallel		4.7
Island Princess	640	910	200	yes	1110	30	65	2.6	Round	Parallel		6.3
Sapphire Princess	960	1010	220	yes	1370	30	150	5.9	Round	Parallel		1.5
Sapphire Princess*	960	1010	no - GW only		1010	30	150	5.9	Round	Parallel		1.5
Star Princess	960	1125	160	yes	900	30	100	3.9	Round	Slightly downward		0.8
Star Princess*	960	1125	no - GW only		1125	30	100	3.9	Round	Slightly downward		0.8

No effluent data  
No effluent data  
No effluent data

\*Permitted for continuous discharge in 2013

\*\*2 ports, same characteristics; therefore 2x pump capacity (16 m3/hr) if discharging simultaneously from both ports

- Data from Ocean Rangers in 2013
- Data from NOI
- Data from VSSP
- Outer diameter; inner not known.