		User above XX height can see flow over test specimen	Fully loaded structure with factor of safety of XX	Requires <XX lbs to accelerate each cart from standstill	Equipment is cleared safe for use by university safety official? (Y/N)	Machine makes noise of less than XX dB when measured at ear level	Average fluid velocity consistent to XX ft/s	Flat velocity profile as defined by XX% of average in middle XX% of channel at test section for a measured velocity with range from XX to XX ft/s?	Has flow visualizer that generates XX number of streamlines	Angle of attack of test specimen variability by XX degrees from 0°	Helps XX% of students comprehend concepts of streamlines over a cylinder?	Helps XX% of students comprehend concepts of vortices over a cylinder?	For ten separate flow tests on a cylinder, the average sepearation point over a cylinder is accurate to +/- XX degrees	All water can be input into system within XX minutes	Amount of water lost from system during operation over 1 hour	Amount of water lost from system during setup?	Test setup can be run for XX hours without changing the water with intermittent use over 1 week	XX% of water can be drained/removed from system within XX minutes	Fits through standard doorway (width/height)	Time to clean water table (not including draining system)	On average, XX% of students can operate system after reading documentation to change mass flow rate of the water flow?	Has emergency shutoff capability usable at two locations more than XX feet apart? (Y/N)	Test reaches steady state channel flow in under XX minutes	Test setup can run continuously for XX minutes	Test specimen able to withstand XX lateral force on top of specimen	Maximum current for system from power supply	Test setup can interface with storage/pumping apparatus using XX number of connections	Contains "off-the-shelf" components where applicable? (Y/N)	Design can be broken down for multiple purposes? (Y/N)
		S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28
Simulates fluid flow over a body horizontally	CN1	X							X		X	X	X																
Allows user to see flow around geometry	CN2	X							X	X	X	X	X												X				
Can be run for many demonstrations (multiple lab sessions)	CN3														X	X	X						X	X					
Has repeatabilty to allow for future quantitative experiments	CN4						X	X	X		X	X	X										X	X					
Adaptable for different geometries	CN5									X															X				
Adaptable for different angles of attack	CN6									X																			
Equipment safe for human interaction	CN7		X		X	X																X				X			
Modular pump/reservoir system	CN8													X			X										X		X
Requires minimal maintenance to replace parts	CN9																										X	X	
Interchangeable components	CN10																											X	
Easy to break down parts	CN11																											X	X
Easily transportable	CN12			X																									
Has variable speed flow	CN13																				X								
Has measurable speed	CN14						X	X																					
Easy to use controls interface	CN15																				X	X	X						
Has uniform flow region known	CN16							X																					
Easy to set up	CN17													X					X				X			X			
Easy to clean	CN18														X	X		X		X									
Easily stored	CN19			X																X									
Needs to retain liquid	CN20														X	X													
Noise cannot be prohibitive to teaching	CN21					X																							