

Frederick County Health Department: Public Swimming Pools, Spas, and Wading Pools
COMAR/ANSI Regulations and Requirements

Regulation/Requirement Description	COMAR	Page	ANSI	Page
Fencing/Barriers				
Fencing does not have openings/footholds that make it easy to climb	10.17.01.21.A.5	973	18.6	17
Top of fencing/barrier is at least 72" (6ft) above grade	10.17.01.21.A.1	972	18.6	17
Main access gate is lockable	10.17.01.21.A.10.c	973	18.6	17
Fence gap at bottom is not more than 4"	10.17.01.21.A.2	972	na	na
Wading pool gates must close and latch	10.17.01.21.D.4	974	18.6.3	17
Deck				
Deck is slip resistant or non skid	10.17.01.22.A.5	974	7.1.2	6
Caulk cracks between pool coping & concrete deck	10.17.01.22.A.6	974	7.1.9	7
Deck has drainage to deck drains or other points of disposal	10.17.01.22.A.4	974	na	na
Waste containers available	10.17.01.39.B	991	na	na
Volleyball pole anchor/swim team equipment fitted w/cap or plug, flush w/deck	10.17.01.22.D	975	na	na
"No Diving" warning on deck at pool depths of 5 feet or less (spaced ≤ 25 feet apart)	10.17.01.40.F.7	995	18.3.9	16
Deck does not trap dirt or support or harbor algae	10.17.01.22.A.9	974	7.1.2	6
Depth markers on deck & vertical pool wall meet ANSI/COMAR requirements	10.17.01.22.A.1.c/A.2	974	18.3	16
Fill Spout				
Does not present a tripping hazard or puncture hazard	10.17.01.34.E.1	989	15.3	14
Braced or constructed so the fill spout does not flex downward	10.17.01.34.E.2	989	15.3	14
Provided with a flexible cover on the tip of the fill spout if the spout presents a potential for injury to an individual using a pool or spa	10.17.01.34.E.4	989	15.3	14
Ladders/Handrails (for entry/exit of pool, diving equipment & other water activity equipment)				
Handrails are secure and do not pull out of the cement	na	na	23.4.2	22
Ladder clearance of 3" min. -6" max. between pool wall and ladder	na	na	23.5.4	22
Diving Boards				
Diving board secure/no loose bolts/installed according to manufacturer's specifications	10.17.01.27.C	982	7.2.5	8

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	All treads have slip-resisting surfaces	10.17.01.27	979-3	7.2	8
Slides					
	Attachments that firmly anchor the slide	10.17.01.16.C.1	968	7.3	8
Lighting					
	* If Permitted (DHMH) for Night Swimming - All lights within pool are functional	10.17.01.32.B.1.a	987	13.2.2	12
	Perimeter lighting meets requirements (or no night swimming)	10.17.01.32.B.1.b	987	13.2.1	12
	If lights are new, must be certified by electrician that COMAR is met	na	na	13.1	12
	Pool lights within pool wall are securely fastened in place	10.17.01.39.B	991	na	na
Lifeguard Stands					
	Seats and ladders secure	10.17.01.39	991	na	na
	"No Diving" visible on stand	na	na	24.2	23
Drinking Fountains					
	At least one drinking fountain	10.17.01.34.C	988	19.6.13	18
Depth Markers					
	Freshly painted, permanent, visible, and at least 4 inches in height	na	na	18.3.7	16
	"No Diving" warning on deck at pool depths of 5 feet or less (spaced ≤ 25 feet apart)	10.17.01.40.F.7	995	18.3.7	16
	Installed at intermediate increments of water depth not to exceed 2 feet	na	na	18.3.4	16
	Depth marker shall be spaced not to exceed 25 feet intervals	na	na	18.3.4	16
Skimmers					
	All skimmers free from any blockage	10.17.01.46.G.1.b	1003	na	na
	Weirs free from any blockage	10.17.01.46.G.1.b	1003	na	na
	Covers are in place, secure, & unbroken	10.17.01.46.G.1.a	1003	12.2	12
	Baskets are not cracked, are clean and fit skimmer	10.17.01.39.C	991	na	na
	* If there are equalizer lines present - Float Valves/Turtles are present within skimmers	NSF guidelines and DHMH requirement			
	Equalizer lines shall have anti-entrapment covers/protection that meets ANSI/COMAR	10.17.01.46.G.1.a	1003	12.2	12

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Inlets & Pool/Spa Dye Test							
	Dye must enter pool/spa evenly from all inlets	10.17.01.26	na	11.5	11		
Suction Outlets & Covers							
	Outlet grates are present, secure, and not broken	10.17.01.28.H.1	984	11.8	11		
	Suction outlet covers are in good condition and are not broken or cracked	10.17.01.28.H.3	984	11.1	11		
	Suction outlet covers are secured	10.17.01.28.H.4	984	11.7	11		
	Outlet covers shall be anchored with manufacturer's specifications & supplied parts	10.17.01.28.H.7.b	985	11.1	11		
	Suction outlets/covers must be in compliance with current ANSI/ASME standards	10.17.01.28.H.1	984	11.1	11		
	The water clarity is maintained so that the main drain is clearly visible & sharply defined when observed from the side of the pool or spa	10.17.01.45.A.7	1001	8.1.1.1	9		
Pool/Spa Walls & Bottom							
	The rope & float line is secure & does not pose a hazard	na	na	18.2.2	16		
	Where water depth exceeds 6ft-4in a wide contrasting color band shall be placed at 5ft	na	na	18.2.1	16		
	Pool/spa walls & bottom are in good/safe condition; does not cause injury to users	10.17.01.39.B	991	5.5	3		
Vacuums							
	* Circulation systems with more than 4 skimmers or a gutter system, a vacuum system that is separate from the skimmer or gutter system shall be provided	10.17.01.26.E.3	979	na	na		
	* Circulation systems with 4 or less skimmers may use skimmer outlet pipes for vacuum purposes	10.17.01.26.E.2	979	na	na		
	Vacuum lines are provided with flush removable caps	10.17.01.26.E.4.b	979-1	11.1	11		
	Vacuum fitting is capped/in closed position when not in use	10.17.01.28.A & B	983	11.7	11		
Filter/Pump (Equipment) & Chemical Storage Rooms							
	Clean and organized	* Frederick County Requirement					
	Lockable Door(s) for Equipment & Chemical Storage rooms	10.17.01.23.B5	975	na	na		
	"Caution! Chemical Storage Area" sign is posted on door to a chemical storage area	10.17.01.40.F.4	995	na	na		
	Mechanical exhaust ventilation if chemicals ARE stored in room	10.17.01.23.B.7.a	975	na	na		

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	Natural or mechanical exhaust ventilation if chemicals are NOT stored/used in room	10.17.01.23.B.7.b	975	na	na
	A water proof floor that drains to a floor drain	10.17.01.23.B.4	975	na	na
	Chemicals are stored in accordance to the MSDS specifications	10.17.01.29.B.4	986	na	na
	A minimum of 20 footcandles of illumination for Equipment Room	10.17.01.23.B.6	986	na	na
	A minimum of 20 footcandles of illumination for Chemical Storage Room	10.17.01.29.B.3	986	na	na
	Material Safety Data Sheet(s) are provided for potentially hazardous chemicals	10.17.01.49.A	1004-1	na	na
	Apron, goggles and gloves in good condition	Frederick County & MSDS Requirement			
Filters & Pumps					
	New/changes to pumps, filters, etc. is approved for use by DHMH				
	Air gap on backwash line	na	na	16.1	14
	Air release valve on a pressure filter or a separation tank or both	10.17.01.25.A.6	976	9.2	10
	No leaking pipes/equipment	10.17.01.39.B & C	991	na	na
	On/Off switch for circulation pumps shall be clearly identified & labeled	10.17.01.28.H.7.d	985	24.3	23
	Circulation components that require replacement or servicing shall be accessible for inspection, repair, or replacement & shall be installed according to manufacturer	na	na	8.1.2	9
Filter Pressure & Vacuum Gauges					
	A pressure gauge on the filter or on the influent side of the filter piping	10.17.01.25.A.1	976	8.4	9
	A pressure gauge on the effluent side of the filter piping	10.17.01.25.A.2	976	8.4	9
	A vacuum or compound gauge on the influent side of a pump	10.17.01.25.3	976	8.4	9
Hair Strainer					
	Hair strainer basket for each circulation pump	na	na	10.3	10
Flow Meter					
	Indicates the rate of flow through the circulation system	10.17.01.25.A.4.a	976	8.4.1	9
	Has a permanent scale readable in gallons per minute	10.17.01.25.A.4.b	976	8.4.1	9
	Is accurate to within 10% of actual flow	10.17.01.25.A.4.c	976	8.4.1	9
	Reads in the range encompassing the minimum and maximum flow rate	10.17.01.25.A.4.d	976	na	na

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Surge Tank							
	Clean and functioning well						
Filter Backwash Disposal							
	Disposal of filter backwash water & pool/spa waste water conforms with COMAR regs.	10.17.01.31.A	987	na	na		
Sight Glass							
	Present, and can see water when backwashing						
	Not present on cartridge filters, since there is no backwashing	note					
Pool/Spa Data Sheet							
	Water-resistant and posted in a conspicuous place for each pool/spa that includes;	10.17.01.23.B.10	975	na	na		
	Volume of water, minimum turnover rate, maximum filter capacity, water surface area,	10.17.01.23.B10.a-c	975/6	na	na		
	Length of water perimeter, maximum bather load, & operating instructions for valves and equipment	10.17.01.23.B10.e-g	976	na	na		
Chemical Feeders							
	New/changes to chemical feeders is permitted/approved for use by DHMH	Frederick County Requirement					
	Chemical feeders are present and installed according to manufacturer	10.17.01.26.C.1	979	17.2.1	15		
	Chemical feeders provide continuous & minimum required disinfectant/sanitizer levels as required in current COMAR/ANSI standards	10.17.01.26.C.1	979	17.5.1	15		
	Ultraviolet light ozone system is used & installed according to current ANSI/NSF stds.	10.17.01.26.G.1	979-1	na	na		
	Corona discharge ozone system is used & installed according to current ANSI/NSF stds.	10.17.01.26.G.2	979-1	na	na		
	Salt Saline disinfection system is used & installed according to manufacturer/DHMH	Frederick County Requirement					
Backflow Prevention							
	Backflow protection for a potable water supply, meets COMAR 09.20.01, and	10.17.01.34.F.1.a	989	15.2	14		
	Wastewater, meets COMAR .09.20.01	10.17.01.34.F.1.b	989	16.1	14		
	Tested for the current year by a certified plumber	312.9.2, Fred Co. Regs					
Water Supply							

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Potable water source	10.17.01.34.G.2.a	989	15.1	14
Private wells, provide current bacteriological sample before pre-opening	10.17.01.34.G.1.b	989	15.1	14
Bathroom				
Well lighted, drained, and ventilated	na	na	19.2	17
Floor drains provided	na	na	19.4	17
Fixtures shall be installed according to local plumbing codes & protected against back-siphonage	10.17.01.35.A.1	990	19.6.9	18
Anti-Scald device on all showers/approved thermostatic mixing valves; max. temp. 115F	10.17.01.36	990	19.6.5	18
Floors have slip-resisting surface and shall be cleanable	na	na	19.4	17
Bathroom cleaned of all debris: chairs and equipment	Frederick County			
Partitions provided between dressing room area, showers, & toilets (water resistant)	na	na	19.3	17
Shatter-resistant mirror	na	na	19.6.7	18
Soap dispensers shall be provided	na	na	19.6.6	18
Toilet paper holders and toilet paper shall be provided at each water closet	na	na	19.6.8	18
Baby changing tables shall be provided in all restrooms	na	na	19.6.12	18
Pool Operator				
Certified Operator must be on premises the entire time a public pool is open	10.17.01.43.A	998	22.1	18
Operator must be 15 minutes away or less for semi public pool	10.17.01.43.B	998	22.1	18
One operator (minimum) per pool facility, has Frederick County Certified Pool Op. card	Frederick County			
Other/Emergency/First Aid				
Test Kits are to be a DPD reagent system	10.07.01.47.A.1.a	1004	17.4	15
Date new reagent every year (reagents opened can only be used one year)	Frederick County			
Telephone access needed within the pool enclosure with direct line to 911	10.17.01.40.B.1	992	18.5.2	17
Posted with: name & location of pool/spa facility	10.17.01.40.B.2.a	992	na	na
All handicapp equipment checked, functional and in compliance	10.17.01.22.B.2	974	5.7	3
First Aid Kit (as recommended by the American Red Cross)	10.17.01.40.A.1.a	992	18.5.1.3	16
Face mask for CPR	10.17.01.40.A.1.b	992	18.5.1.3	16
Disposable latex gloves	10.17.01.40.A.1.c	992	18.5.1.3	17

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	Bloodborne pathogen Control Kit (clean-up kit)	10.17.01.40.A.1.d	992	18.5.1.3	17
	Backboard equipped with straps and head immobilizer in good shape	10.17.01.40.A.1.e	992	na	na
	A light, strong rescue pole not less than 10 feet long, including a body hook-ANSI	10.17.01.40.A1.f	992	18.5.1.1	16
	Rescue tube for each guard	10.17.01.40.A.1.g	992	22.2	18
	Public spa is provided with safety equipment in COMAR 10.17.01.40.A.1.a-e; and .40.3	10.17.01.40.A.2	992	na	na
	Semi-public pool requires rescue pole not less than 10 feet long, and	10.17.01.40.A.3.a	992	18.5	16
	Semi-public pool requires a ring buoy or approved flotation device with an attached throwing rope (50 feet or 1.5 times the width of pool, whichever is longer)	10.17.01.40.3.b	992	18.5	16
	Any rules set forth by the owner or operator at the pool must be publically posted	10.17.01.40.F.9	995	23.3.2	19
	Operating Records, Forms, and Notices				
	Suction Entrapment Hazards Checklist, filled out at least 1x/day	10.17.01.28.i	985	na	na
	Provided forms to record pH, disinfectant residual, Temp (if heated), CA Hardness, total alkalinity, and cyanuric acid; if used	10.17.01.46	1002	na	na
	DHMH Injury and Illness Report forms	10.17.01.51.D	1004-2	na	na
	DHMH public notice prohibiting entry of persons with the following: infectious/contagious disease (transmitted through water), open cut, blister, or other lesion, or diarrhea	10.17.01.50.A	1004-1	na	na