

SAFETY SHOWER & EYE/FACE WASH STATION ANNUAL MAINTENANCE SCHEDULE

ADDITIONAL SPECIFICATIONS			YES	NO	A	
1	Previous Steps	Perform all of the Weekly checks and operations as part of the annual inspection together with the following checks and operations.				
2	Location	a. Unit is in an accessible location within 10 seconds of the hazard or work area				
		b. Unit is on the same level as the hazard or work area.				
		c. For strong acids or caustics, the unit shall be located immediately adjacent to the hazard.				
		d. An additional unit may also be required to be placed outside the hazardous area.				
		e. Design and location must not pose any hazard to the user.				
3	Valves & Actuators	a. Shall be easy to locate and readily accessible to the user				
		b. Shall be simple to operate and go from closed to open in one second or less.				
		c. Shall remain open without the use of operators hands until intentionally closed.				
		d. Shower actuator shall be located not more than 1733mm above the level on which the user stands.				
4	Flushing Fluid Supply	a. Is the unit connected to a flushing fluid supply capable of meeting the performance requirements of the unit for a minimum of 15 minutes.				
		b. The supply shall deliver tepid flushing fluid (temperature between 15-35°C). If chemical reaction is accelerated by flushing fluid further assessment will be necessary by person responsible for safety.				
		c. If there is possibly freezing conditions, the unit must be protected from freezing or freeze protection equipment installed.				
		d. If there is possibly of temperatures exceeding 38° C suitable control measures should be introduced to prevent risk of scalding.				
5	Minimum Flow Rates	The following minimum flow rates apply for a period of not less than 15 minutes.				
		a. Showers: Plumbed - 75.7 lpm at 210 kPa. Self Contained - 75.7 lpm				
		b. Eye Wash: Plumbed - 1.5 lpm at 210 kPa. Self Contained - 1.5 lpm				
6	Recommended Minimum Supply Connection	c. Eye/Face Wash: Plumbed - 11.4 lpm at 210 kPa. Self Contained - 11.4 lpm				
		The following are recommended minimum supply connections that should enable the above flow rates to be achieved.				
		a. Showers: Plumbed - 25mm (1")				
		b. Eye Wash: Plumbed - 12mm (1/2")				
		c. Eye/Face Wash: Plumbed - 20mm (3/4")				
d. Combination Shower/Eyewash: Plumbed - 25mm (1")						
e. If flow rates are still too low then further assessment is necessary to determine appropriate supply connection.						
OPERATION OF SHOWERS & EYE WASHES						
7	Shower Head Height	The head must be no less than 2083mm (82") and no more than 2438mm (96") from the surface on which the user stands.				
8	Shower Pattern.	The fluid pattern must be no less than 508mm (20") diameter measured at 1524mm from the ground level. Flushing fluid is substantially dispersed throughout pattern. The velocity should be low enough to be non-injurious to the user.				
9	Shower Performance Testing	a. Connect a flow meter to unit to measure flow rate or by using a Pratt Safety Shower and Eye Wash Test Kit to measure flow rate.				
		b. Using the test sock and wheelie bin monitor the time of the test and the amount of fluid collected, then calculate volume over a minute.				
		c. Using the Pratt Safety Shower Test Gauge measure the fluid pattern of the shower head to ensure conformance to Standards.				
10	Eye / Face Wash Nozzles	a. Shall be protected from airborne contaminants.				
		b. Dust covers are fitted and will open automatically when the unit is activated.				
11	Eye / Face Wash Nozzle Height	The nozzles must not be less than 838mm and no more than 1143mm from the surface on which the user stands.				
12	Eye / Face Wash Pattern	a. The eye wash unit shall provide flushing fluid to both eyes simultaneously at approximately equal heights, at a velocity low enough to be non-injurious to the user				
		b. The eye wash shall be designed to provide enough room to allow the eyelids to be held open with the hands while the eyes are in the flushing fluid stream.				
13	Eye / Face Wash Performance Testing	a. Connect a flow meter to unit to measure flow rate or by using a Pratt Safety Shower and Eye Wash Test Kit to measure flow rate.				
		b. Connect the 38mm waste hose to the waste outlet of the bowl or stanchion and drain into waste bucket. Monitor the time of test and the amount of fluid collected, then calculate volume over a minute. Use low tray to drain remaining fluid.				
		c. Check water pattern using Pratt Safety Eye Wash Test Gauge by placing gauge on top of the stream. The flushing fluid should cover the areas within the parallel lines. The gauge should not be lowered more than 38mm below the fluid's peak.				
		d. If stream is low or unbalanced, adjust flow control screws.				
		e. Remove aerators with Pratt Safety Aerator Removal Key, clean or replace aerators. Also check filter strainers and replace any other missing or damaged parts.				