

Portable Fire Extinguisher - Carbon Dioxide (C02)

Last Issue Date: 07/08/2020		Type Of Service				
Activity		A	B	C	D	E
1	Prior to starting the service refer to Activity 18 for the 5 yearly requirements if applicable.			Y	Y	
2	Check fire extinguisher is conspicuous, readily accessible and in its assigned location.			Y	Y	
3	Check that the anti-tamper device is intact.			Y	Y	
4	Check that the extinguisher is clean and the operating instructions are legible.			Y	Y	
5	Check that the service record tag or label is firmly attached to the extinguisher.			Y	Y	
6	Check that the extinguisher, including any attachments, is not damaged (See AS2337.1).			Y	Y	
7	Check that the exterior of the extinguisher is not pitted or otherwise damaged by corrosion (See AS1851 clause 10.2.5 and AS2337.1).			Y	Y	
8	Check that the hose is securely fitted, the nozzle is securely attached, the assembly is free from obstruction, and the hose shows no cracking or otherwise signs of damage or deterioration.			Y	Y	
9	Check that the pressure indicator (where fitted), is registering within the operating range, and is operating correctly.			Y	Y	
10	Check extinguisher weight to determine that it is fully charged.			Y	Y	
11	Check that the location sign is visible in accordance with AS2444.			Y	Y	
12	Check that the appropriate support bracket is securely attached to the wall or other suitable feature.			Y	Y	
13	Check that the appropriate discharge nozzle is fitted and is not blocked or damaged.			Y	Y	
14	Determine, where possible and without discharging any contents, that the actuating device is free of corrosion, moves freely and is undamaged. For the 5 year service, also check that any cutting edge is sharp, and all sealing gaskets are in good condition.			Y	Y	
15	Check that the fire hazard / risk to be protected has not changed.				Y	
16	Check that the extinguisher is the correct type, class, size and / or rating for the hazard to be protected.				Y	
17	Check that no alterations have been made to the building that may impede access to the extinguisher or increase the travel distances to more than those specified in AS2444 or the approved design.				Y	
18	SPECIAL NOTE: The following activities are for the recharge and test or replacement of the fire extinguisher which is required to be done every 5 years. However, the fire extinguishers are to be checked during the C and D services and if the 5 year mark has arrived for any of the fire extinguishers then either option 1 (activity 20) or option 2 (activity 21) is to be undertaken while on site for that routine service.			Y	Y	

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Government of South Australia
Department of Planning,
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Activity		A	B	C	D	E
19	Determine the option (either 1 or 2) which has the lowest cost and undertake the activities as applicable.			Y	Y	
20	Option 1 (activity 20 & 30 only): Replace the fire extinguisher with a new and recently manufactured unit. Undertake any required checks. See Special Comments for more details.			Y	Y	
21	Option 2 (activity 21 to 30 inclusive): Recharge and test the fire extinguisher as outlined below.			Y	Y	
22	Check that the extinguisher functions in accordance with the operating instructions and that the discharge is satisfactory.			Y	Y	
23	Check that the internal discharge tube provides clear passage, is securely attached, and there is no evidence of moisture or foreign matter in the cylinder.			Y	Y	
24	Check that the interior of cylinder is clean, is not pitted by corrosion (see AS2337.1), and any internal lining is in good condition. This examination shall be in accordance with AS2030.5, and is only to be performed at a Gas Cylinder Test Station certified by a Registered Certifying Body (see AS2337.1).			Y	Y	
25	Check that the operating head or cap seal is in good condition.			Y	Y	
26	Subject the extinguisher body to a hydrostatic pressure test, in accordance with the requirements of AS2030.5, at a Gas Cylinder Test Station certified by a registered certifying body (see AS2337.1).			Y	Y	
27	Recharge the extinguisher with fresh extinguishing agent as specified on the extinguisher label, in accordance with the manufacturer's instructions.			Y	Y	
28	Renew all seals and gaskets fitted to the actuating device, operating head or cap.			Y	Y	
29	Check if there are any leaks at the joints and seals that were renewed or disturbed during recharging.			Y	Y	
30	Record the results in the log book, and submit a report of the quantity serviced and those not serviced per building per level, including noting how many have been replaced (option 1) and how many have been recharged and retested (option 2).			Y	Y	

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Special Comments and Technical Data

C SERVICE 6 MONTHLY

D SERVICE ANNUALLY

THE FIRE EXTINGUISHERS LOCATED AT THE SITES WILL VARY IN AGE. THUS AN 'E SERVICE' (TO REPLACE OR RECHARGE & TEST) EVERY 5 YEARS IS IMPRACTICAL AND SHOULD BE DONE CONCURRENTLY WITH THE GENERAL 'C OR D SERVICE' WHEN DUE.

ADVERSE OPERATING ENVIRONMENTS MAY REQUIRE THE SERVICING FREQUENCIES TO BE INCREASED, SEE AS 1851, CLAUSE 1.13.

MAINTENANCE TO BE UNDERTAKEN IN ACCORDANCE WITH AS 1851. FOR SPECIFIC REQUIREMENTS FOR CO2 EXTINGUISHERS SEE AS 1841.6.

REFER TO AS 1851 CLAUSE 1.16 FOR DETAIL ON RECORD KEEPING.

HYDROSTATIC PRESSURE TESTING TO BE DONE 5 YEARS FROM THE DATE OF MANUFACTURE, NOT THE DATE OF SUPPLY OR INSTALLATION.

(TO NOTE: THE ACCEPTABLE TIME LAPSE FROM MANUFACTURE TO INSTALLATION IS GENERALLY WITHIN 3 MONTHS - NO MORE THAN 6 MONTHS.)

FOR CO2 EXTINGUISHERS LOCATED IN VEHICLES, VESSELS ETC REFER TO F21V.

APPLICABLE LEGISLATION: MINISTERIAL BUILDING STANDARD MBS 002 - MAINTAINING THE PERFORMANCE OF ESSENTIAL SAFETY PROVISIONS.

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