



TOOL BOX 016- WHAT EXTINGUISHER

Let's ensure you know what you can do under the terms of **SANS 10400 Part T**

Under the present regulation you can use the following under all risk factors in terms of SANS10400

9Ltr water, 9Ltr Foam, 5Kg CO2, 10Kg CO2, 9Kg DCP, and 4.5 DCP to cover the building protection plan other sizes do not exist under the terms of SANS 10400.

Sans 1910 gives all the fire extinguisher Minimum Fire Ratings acceptable.

	SABS Min
1 kg DCP Extinguisher	5A 21B
1.5 kg DCP Extinguisher	5A 21B
2.5 kg DCP Extinguisher	8A 34B
4.5 kg DCP Extinguisher	13A 89B
9.0 kg DCP Extinguisher	27A 144B
9ltr Water Extinguisher	13A
9ltr Foam Extinguisher	13A 183B
2kg CO2	21B
5kg CO2	55B

All other sizes and types are not acceptable

All extinguishers under these sizes does not form part of the building fire plan (**1, 1.5, 2.5 DCP, and 2 CO2**)

Also the following does not form part of the fire plan, **Fire Ball, Fire Strike, Fry Fighters (F Type), or the latest on the market Water Mist.**

That doesn't mean that you client cannot use them.

These equipment's will be in addition to requirements **under the building plan.**

In other word: If the building requires one portable per 100m2, and the size is 1000m2 the (high risk) requirement will be 10 by extinguishers of whatever size required in SANS 10400 covering the risks concerned. But if you wish to install any mentioned above not in the Building Regulations. It will be in addition to the requirements in term of SANS10400T

Now you will look into the supply of hand portables more closely, and you will probably believe that because you can take a **2 x 4.5DCP to replace the 9Kg** you can do the same with **CO2 extinguishers 2 x 2Kg, s for a 5Kg.**

Well, you cannot. You can take the 10Kg CO2 mentioned, and replace with 2 x 5Kg CO2, s

Another reason the fireball, Fire Striker's fire rating if any is so low it barely get close to a minimum rating as indicated in SANS 1910. Also the Watermist does have a stated rating of 13A 21B. The B rating matches a 2kg CO2 which is not used in SANS 10400, and it also cannot be considered a water extinguisher as it does not meet the minimum contents of water which is 9Ltr.

Existing Condemned units:

If you condemn an extinguisher which is presently installed in the client's establishment for whatever reason. You must replace it with the same or a higher rated unit. Let say the unit you have condemned is a 4.5DCP you cannot replace it with a foam, water, or 5kgCO2 as their ratings are lower



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Finally: This toolbox talk is a basic insight for types of extinguisher to replace / install. There may be other reasons why equipment must be replace with different types, and sizes. This subject will be discussed via future toolbox talk. But if you have any doubts that the equipment does not meet the requirements discussed in this toolbox talk report to your supervisor for advice, as there maybe drastic changes which could involve the Fire Department.

NOTE: You will get some of these fire inhibitors indicting in there description that it is **SABS tested**. This **does not mean it is SABS approved**. It simply means that SABS has tested it to what the suppliers / manufactories states the article can do. The supplier states it in their promotional material knowing that the general public will 90% of the time believed it is a SABS approved product.

The water mist extinguisher is a SABS approved unit.

Presented By: Name: _____	Date _____	Signature _____
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