

Advantages of using a CPC

CPC : Use of CPC equipment presents beneficial situation

CPC concentration pressure controlled is used in different applications:

- To provide foam solution in Sprinkler systems in logistic storage buildings
- To supply foam premix in industrial chemical sites and petrochemical sites
- To make foam solution for the defence of flammable liquids storages or process

In these sites, CPC equipment is used to **give insurance to the end user**, compared to other equipment like Bladder tank :

- 1- When CPC is not in operation it can be controlled easily as its tank is not pressurised:
 - Visual immediate control (locally or from control station)at a glance , gives the important indications to the operators:
 - Daily verification of Gas pressure for energy of the system by any operator is immediate as pressure gauge on the head valve cylinders can be controlled.
 - Only 2 Valves positions must be controlled in their opened or closed operating conditions.
 - Foam concentrate level is given with an immediate reading on the hydrometer.
 - There is no need to check if the inside bladder is punched or not, in order to verify if the equipment can operate.
- 2- During first start of the operation the concentration ratio is ensured as foam concentrate is pressed into the water line from the first water spray nozzle flow.
- 3- What ever the viscosity of the foam is ,it can be pressed into the water line.
- 4- Operating costs are particularly decreased:
 - Refilling an atmospheric tank can be done with any operator even not experienced.
 - As change of bladder is not needed, cost savings are great : for equipment and labor
 - Long lasting times are not necessary for equipment maintenance or repair.
 - Efficiency is also well improved .
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- 5- Hydraulic or pneumatic or Atex electrical start can be provided .
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