

MPVE IS A MECHANICAL BALANCE PRESSURE SYSTEM DOSING SYSTEM WITH MANUAL ADJUSTMENT DESIGNED FOR THE PROTECTION OF INDUSTRIAL SITES REQUIRING STAND-ALONE FIRE-EXTINGUISHING EQUIPMENT USING FOAM.

MPVE 120

- Pump: 120 liters
- Pressure: 16 bar
- Dosage: 3 to 6%
- Water flow rate range: 1000 to 4000 l/min
- Energy: Thermal engine electricity

MPVE 180

- Pump: 180 liters
- Pressure: 16 bar
- Dosage: 3 to 6%
- Water flow rate range: 1500 to 6000 l/min
- Energy: Thermal engine electricity

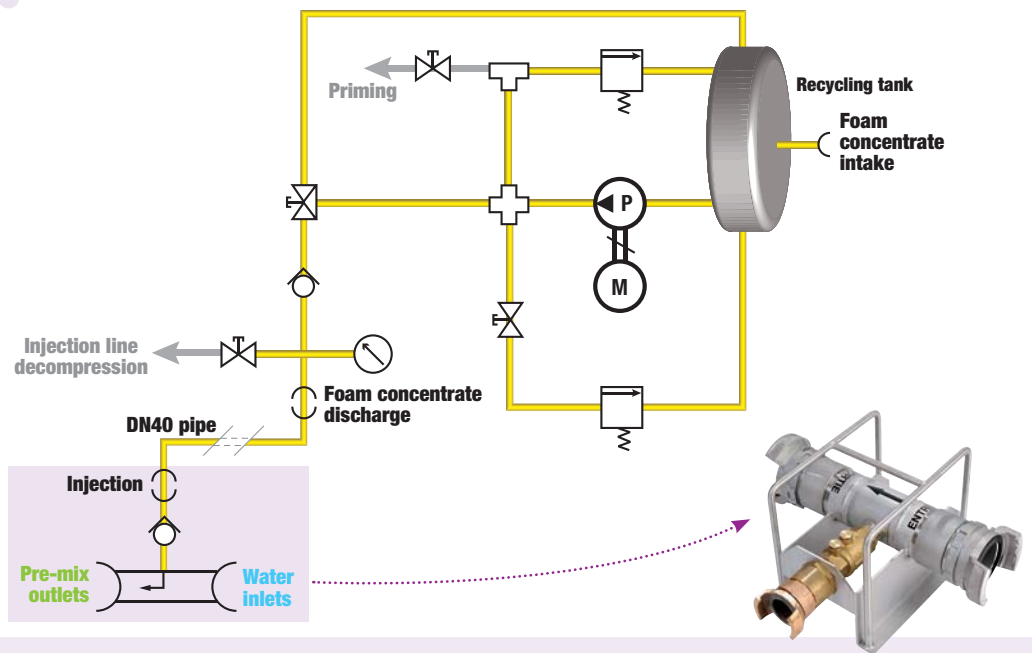
OPERATING DIAGRAM

OPERATING PRINCIPLE

After connection to the foam concentrate tank and once the thermal engine is started up, the MPVE draws up the foam concentrate via the recycling tank.

In standby, the liquid circulates in a closed loop, to prevent any risk of unintentional injection.

Set the manual valve to Injection position allows the transfer of the foam concentrate under pressure into the water pipe via the injector inserted on the line.



SYSTEM BENEFITS



HIGH-PERFORMANCE

Injecting the product under pressure means MPVE can be used whatever the water flow rate and pressure. This means significant lengths of pipe can be used between the motor pump and the water line. The possibility to install the injector anywhere along the pipe allows fireman deployment to be far from the danger zones.



FUNCTIONAL

- Volumetric pistons pump
- Compatible with all foam concentrates
- Stand-alone system
- High level of autonomy
- Easy maintenance



SIMPLE

Implementing the system with a single valve to operate makes the MPVE accessible to everyone. An abacus help the users to check if they have the correct ratio (foam concentration/water flow rate) to ensure an efficient foam application for great extinguishing.



EFFECTIVE

Class B foam concentrate use on industrial fires means extinguishing will be faster and easier to cool down more effectively burning areas.

INSTALLATIONS



MPVE 120 Petrol



MPVE 180 on foam concentrate skid

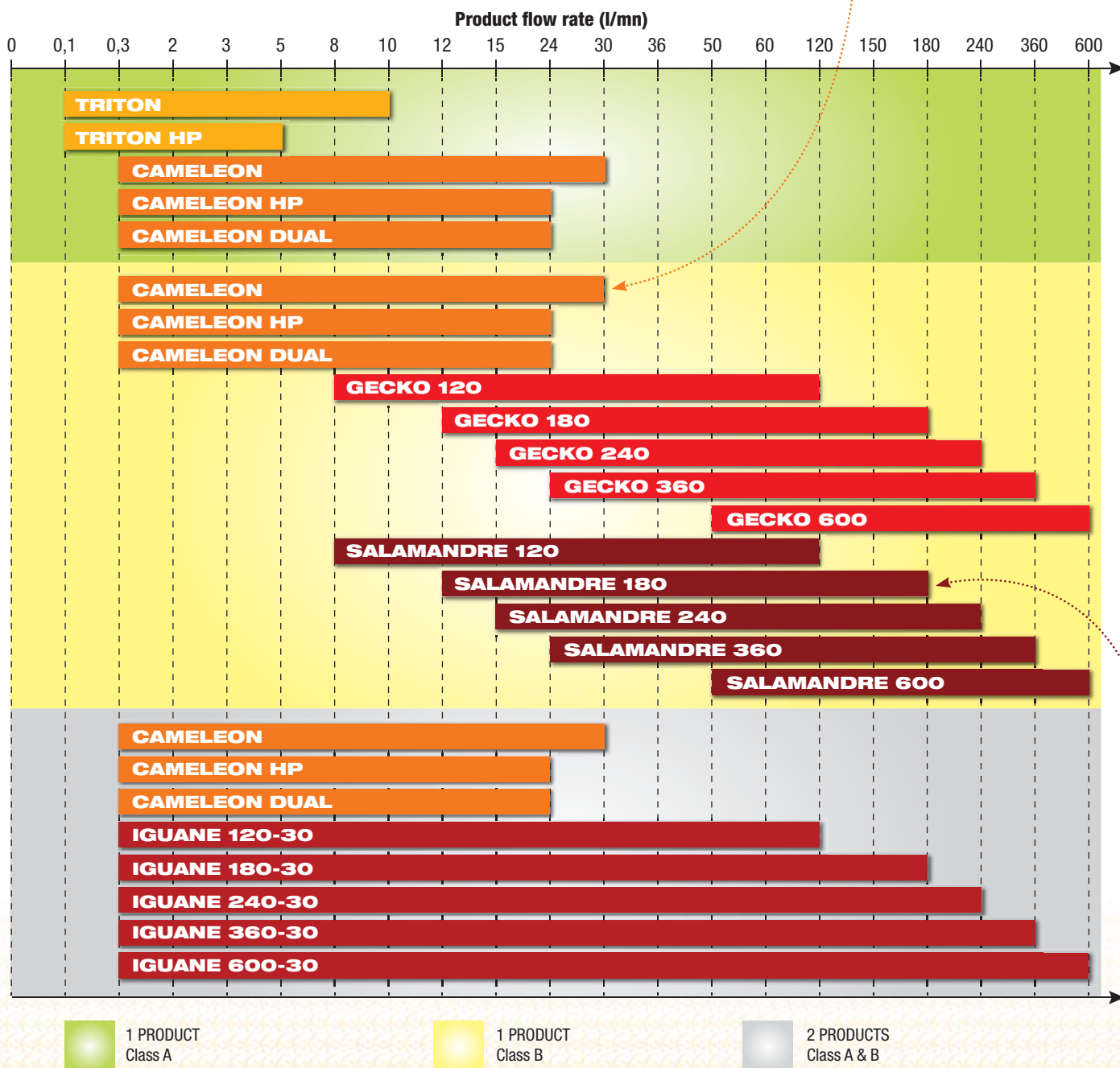
HOW TO CHOOSE YOUR FOAM DOSING SYSTEM

1. Choose the type(s) of product(s) you are going to use (CLASS A or B, or CLASS A & B foam)

2. Calculate the minimum and maximum product flow rate using the following formula:

$$\text{Water flow rate (l/min)} \times \text{Concentration (\%)} = \text{Product flow rate (l/min)}$$

EXAMPLE NO.1
 If you want to use a 400 l/min foam nozzle with 3 % CLASS B foam on your vehicle:
 $400 \text{ l/min} \times 3\% = 12 \text{ l/min of product}$
The CAMELEON system corresponds to your needs
 See page 8



EXAMPLE NO.2
 If you want to use a 3000 l/min monitor with 6 % CLASS B foam on your skid:
 $3000 \text{ l/min} \times 6\% = 180 \text{ l/min of product}$
The SALAMANDRE 180 system corresponds to your needs - See page 16

CTD is here to advise you and help you choose the equipment best suited to your needs.