

CAMELEON DUAL

SPECIFIC STUDIES
POSSIBLE

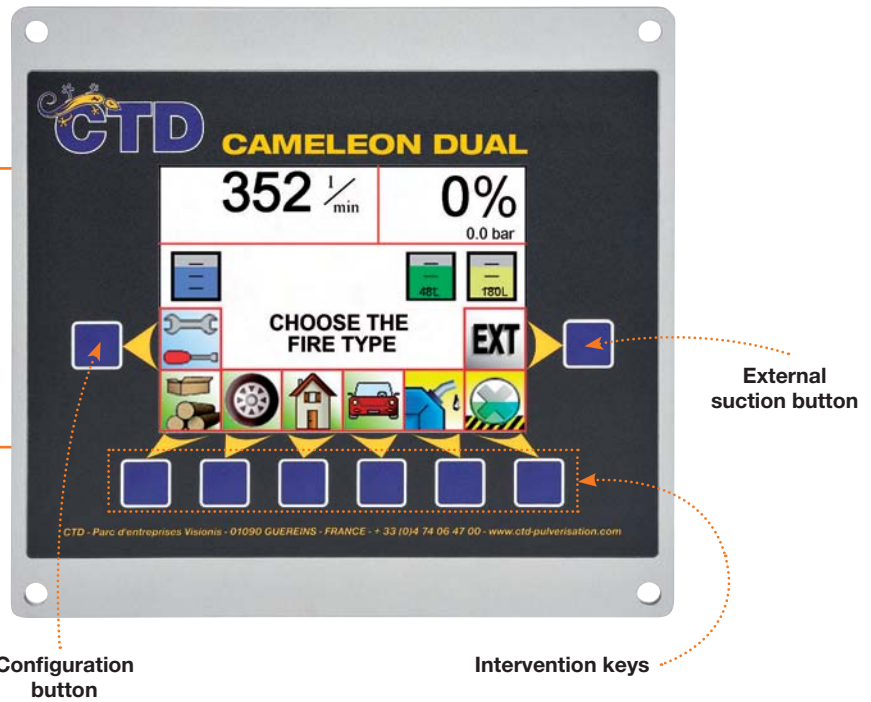
CAMELEON DUAL IS DESIGNED FOR FIRE-FIGHTING VEHICLES EQUIPPED WITH A LP/HP WATER PUMP AND USING CLASS A AND/OR CLASS B FOAM AT DIFFERENT PRESSURES.

CAMELEON DUAL low and high pressure

- **Pump:** 24 l/min in LP and 20 l/min in HP
- **Pressure:** 15 bar in LP and 40 bar in HP
- **Dosage:** 0.1 to 6%
- **LP water flow rate (DN65):** 50 - 2000 l/min (other flow rates possible)
- **HP water flow rate (DN40):** 50 - 350 l/min (other flow rates possible)
- **Power supply:** Electricity 24VDC (other voltages possible)

OPERATING PRINCIPLE

CAMELEON DUAL starts up as soon as the battery master switch is turned on. Select one of the six concentrations will automatically prime the pump then inject the foam selected according to real time water flow. Single point positive injection system involved an immediate foam production. After intervention, CAMELEON DUAL automatically start a flushing cycle.



SCREEN BENEFITS

+ UNIT

- Colour screen
- 6" display size
- Waterproof (IP68)
- Impact resistant
- Compact size
- Remote start-up
- Operating temperature between -20°C and +50°C

+ FULL DISPLAY

- Water flow rate
- Actual concentration
- Dosage icons
- Foam injection pressure
- Product tank levels with capacity
- Autonomy

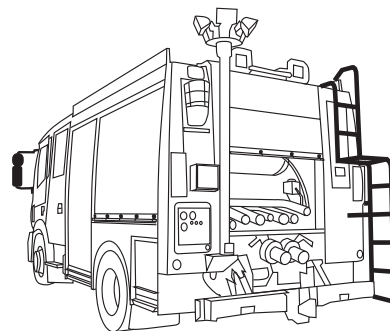
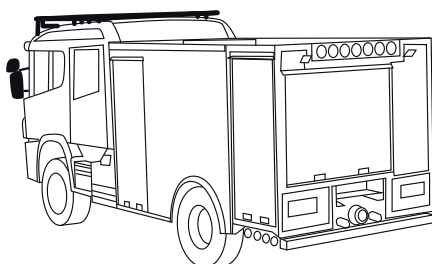
+ MONITORING

- Intervention report
- Fault log
- Training mode

+ ADAPTABLE

- Customisable icons
- Remote start-up
- Secondary screen option is possible
- Download intervention report by bluetooth
- Several languages available
- CAN Open external link

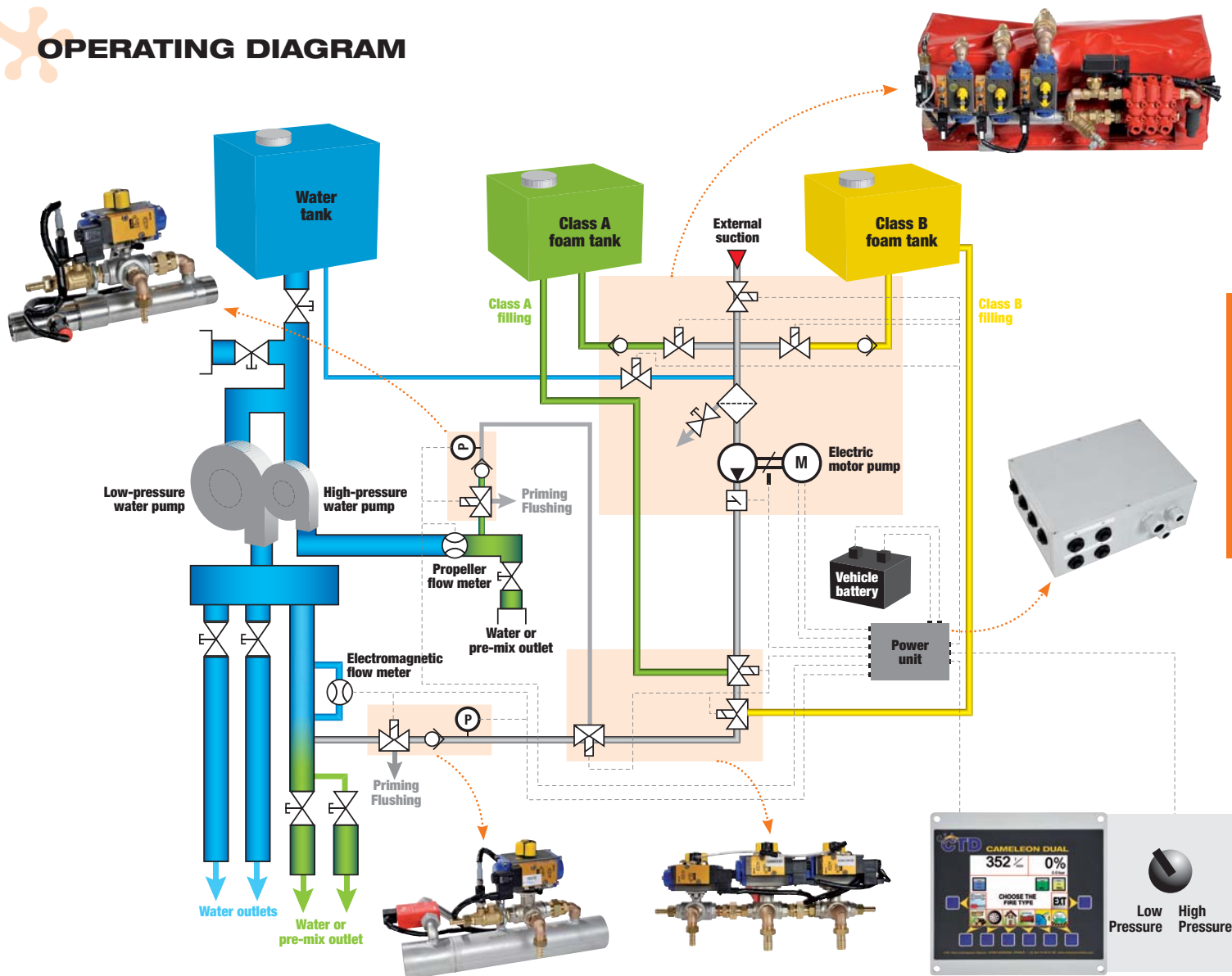
VEHICLES FITTED EXAMPLES



CAMELEON DUAL



OPERATING DIAGRAM



CAMELEON DUAL

SYSTEM BENEFITS

+ INTUITIVE

- Easy start-up
- Didactic screen

+ AUTOMATIC

- Priming
- Flushing
- Frost protection

+ FUNCTIONAL

- Can be fitted on all types of vehicles
- Delivered in a pre-mounted kit
- Compatible with all Class A and B products
- Easy to install
- Light weight and compact size
- Easy maintenance

+ UPGRADABLE

- External suction
- Product tank filling from the ground
- Dosage of up to 4 different products
- Several possible injection points
- Injection on LP or HP system

+ HIGH-PERFORMANCE

Injecting the product under pressure means CAMELEON DUAL can be used whatever the water flow rate and pressure. Pre-mixing is performed in the truck without any pressure loss this allows fireman deployment to be far from the danger zones.

+ LP/HP MIXED USE

CAMELEON DUAL allows the product to be injected either in the low pressure part of the water pump or the high pressure part, by using a selection switch. This means just one system is needed for LP/HP foam production.

+ EFFECTIVE

The use of class A and B products makes fire extinguishing more effective and reduce fire fighter intervention time. The possibility of injecting the product directly from an external container increases the autonomy of the dosage system. Installing tanks for class A and B products directly on the vehicle combined with the CAMELEON DUAL's tank filling function reduces product handling.

+ ECONOMICAL

A training mode allows the equipment to be tested without foam use. CAMELEON DUAL dosing accuracy considerably reduces the amounts of product used during operations. Quicker extinguishing means less water consumption.

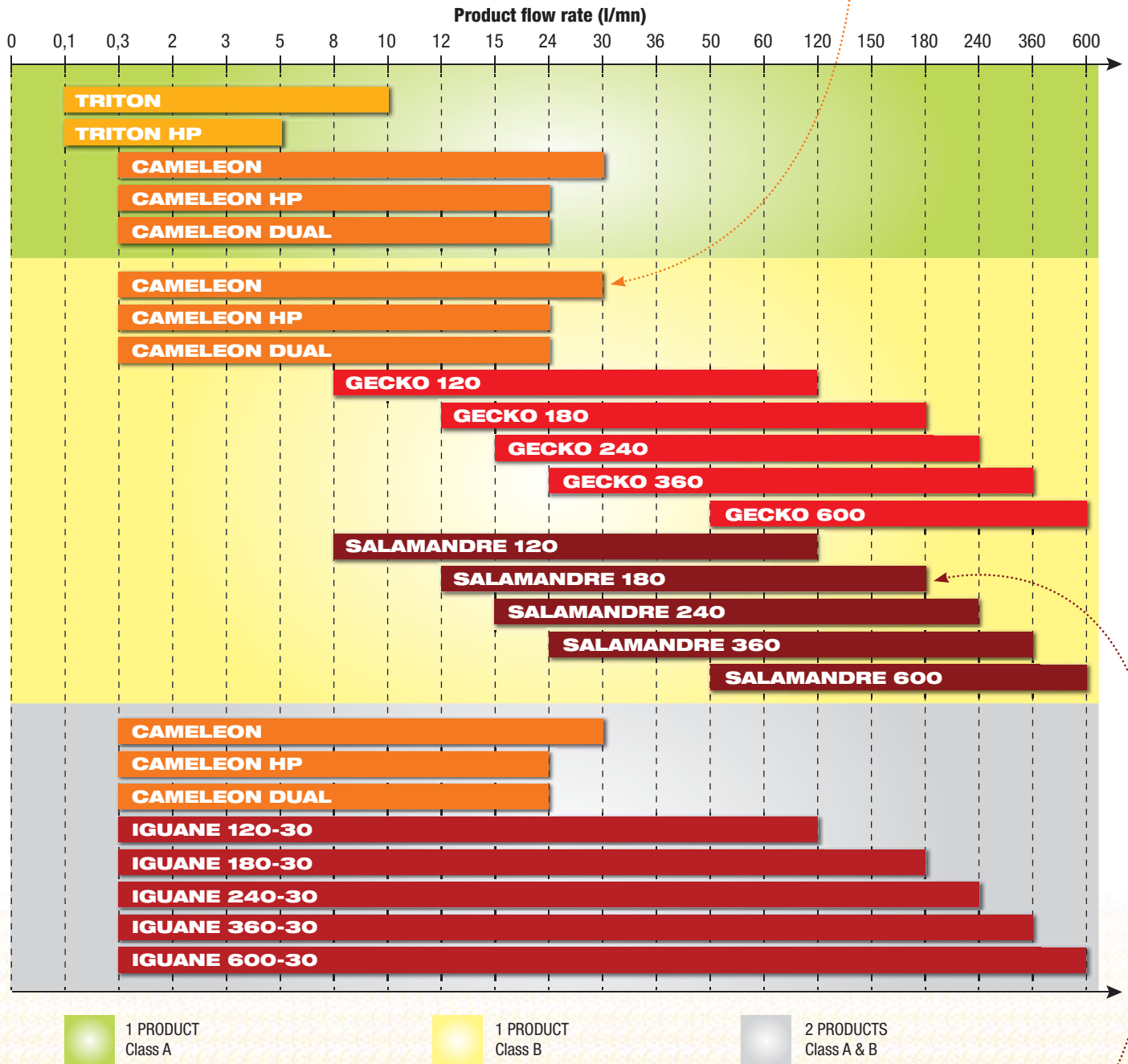
HOW TO CHOOSE YOUR FOAM DOSING SYSTEM

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 l/min x 3% = 12 l/min of product
The CAMELEON system corresponds to your needs
 See page 8



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

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