

GECKO IS DESIGNED FOR HIGH-POWER FIRE-FIGHTING VEHICLES USING ONLY CLASS B FOAM

GECKO

- **Pump:** 120 to 600 l/min *(depending on the model)*
- **Pressure:** 16 bar
- **Dosage:** 1 to 6%
- **Water flow rate:** 250 - 20,000 l/min *(depending on the size of the manifold)*

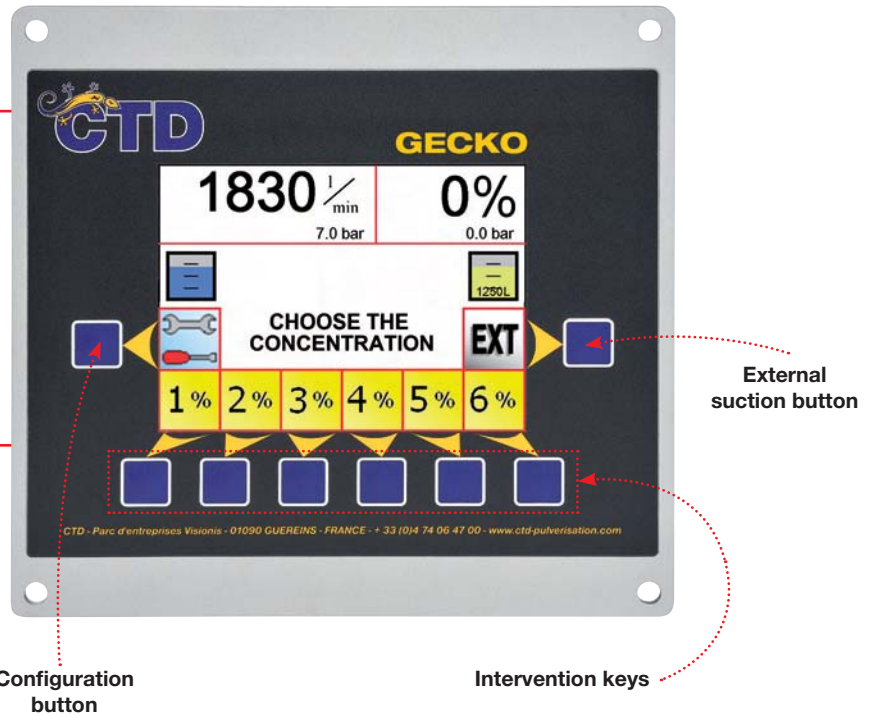
- **Energy:** Diesel
Petrol
Hydraulic
Power take-off

A RANGE OF 5 MODELS

(details p.4)

OPERATING PRINCIPLE

GECKO starts up as soon as the battery master switch is turned on. Selecting a concentration starts the pump with an automatic priming. GECKO injects the foam concentrate under pressure according to the water flow rate as soon as a nozzle is opened and automatically regulates the volume of foam concentrate via a regulation valve. External suction allowed a huge using autonomy. After intervention, GECKO 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
- Pre-defined concentration icons
- Water pressure and foam injection pressure
- Product tank levels with capacity
- Autonomy

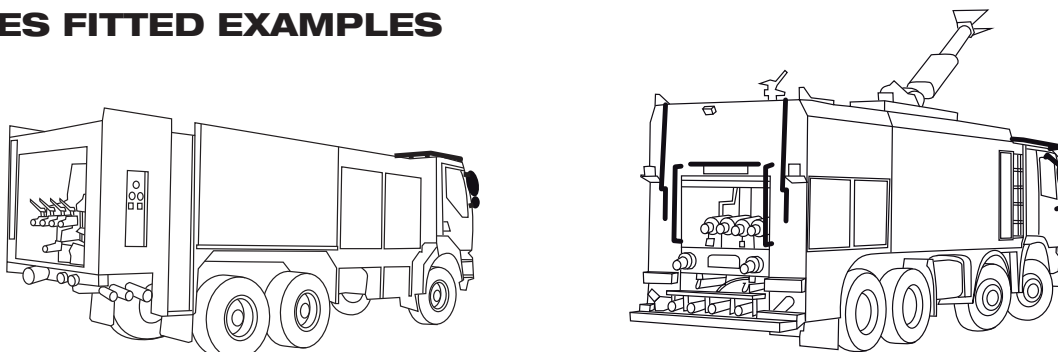
+ MONITORING

- Intervention report
- Fault log

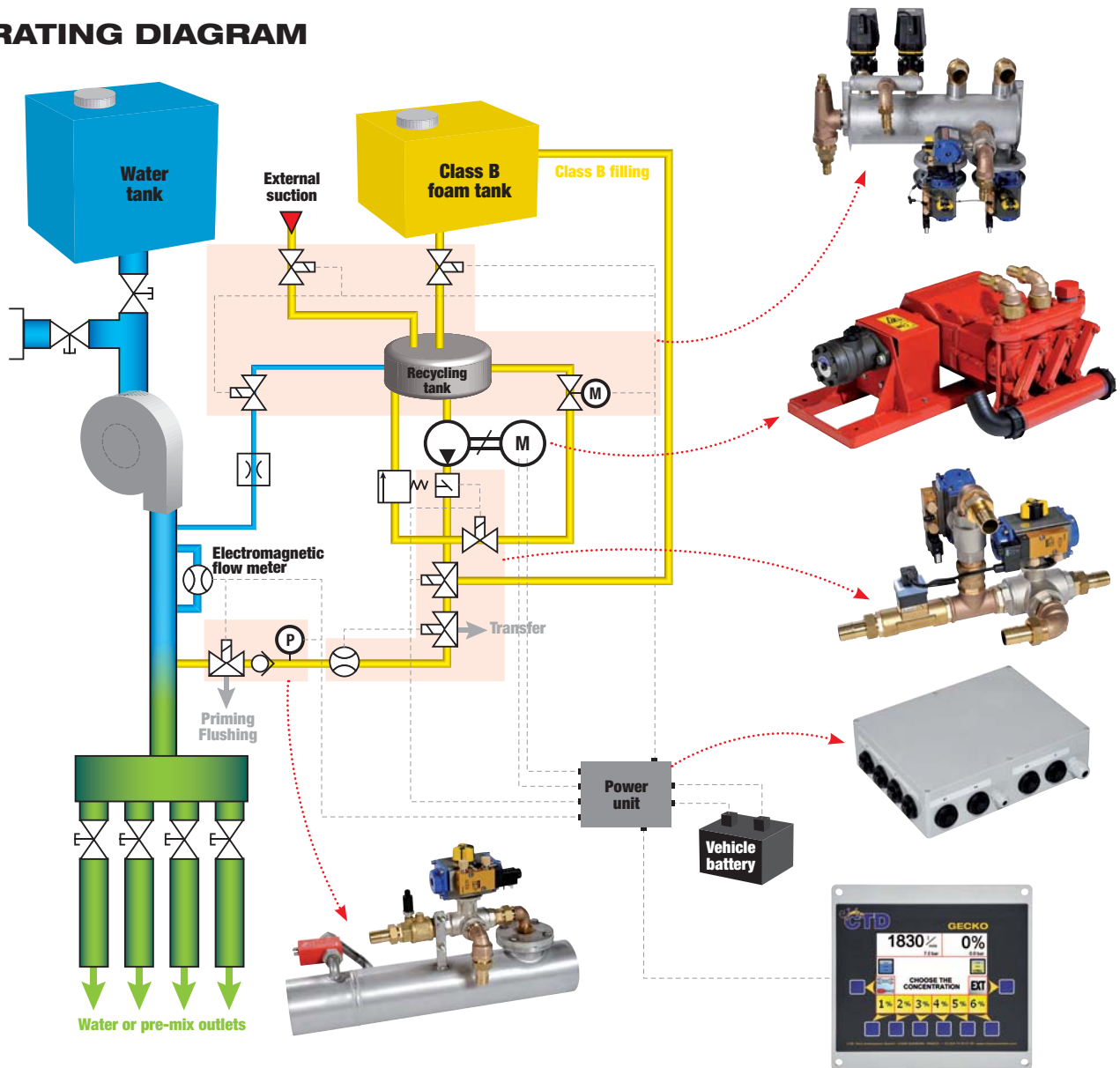
+ ADAPTABLE

- Customisable icons
- Secondary screen option is possible
- Download intervention report by bluetooth
- Several languages available

VEHICLES FITTED EXAMPLES



OPERATING DIAGRAM



SYSTEM BENEFITS

+ HIGH-PERFORMANCE

Injecting the product under pressure means GECKO can be used whatever the water flow rate and pressure. This makes it possible to use considerable lengths of hose line. Pre-mixing is performed in the truck without any pressure loss this allows fireman deployment to be far from the danger zones.

+ TAILOR-MADE

Each model has an operating range adapted to the needs of the spray apparatus and the types of risk.

+ COMPREHENSIVE

- Automatic priming and flushing
- External suction
- Product tank filling from the ground
- Transfer of product to an external container
- Automatic frost protection

+ FUNCTIONAL

- Compatible with all Class B foam concentrates
- Can be fitted on all types of vehicles
- Available as a pre-mounted kit or mounted on its own frame
- Thermal engines or hydraulic motor
- Easy maintenance

+ EFFECTIVE

Class B foam concentrate use on industrial fires means extinguishing will be faster and easier to cool down more effectively burning areas. The possibility of injecting the product either from the tank onboard the vehicle or directly from an external stock increases the autonomy of the dosing system and allows foam to be continuously produced at a perfectly controlled concentration. The tank filling function means operators does not need to handle the product.

+ ECONOMICAL

A training mode allows the equipment to be tested without foam use
GECKO dosing accuracy considerably reduces the amounts of product used during operations.

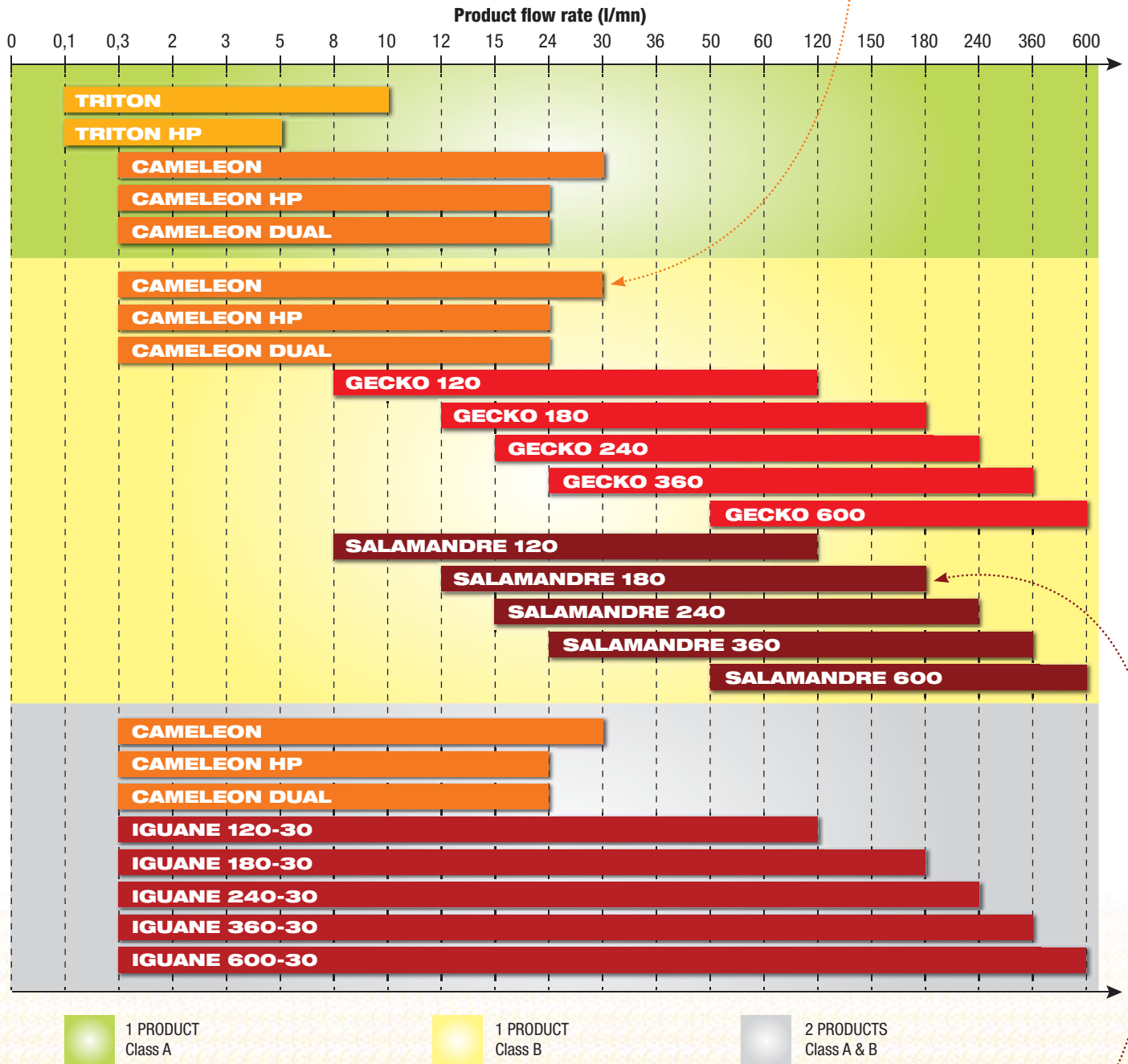
HOW TO CHOOSE YOUR FOAM DOSING SYSTEM

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.