

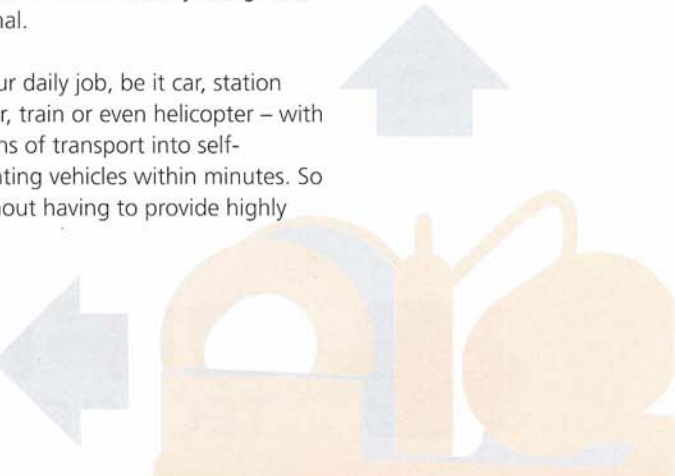


## **IMPULSE TECHNOLOGY - COMPLETE ADD-ON UNITS**



▶ Today's decisionmakers in fire protection are forced to provide efficient service utilizing dwindling resources. Reduced budgets keep them focused as much on cutting costs as fighting fires. That's one reason why IFEX gear conversion units have become internationally recognized as effective tools in the firefighter's arsenal.

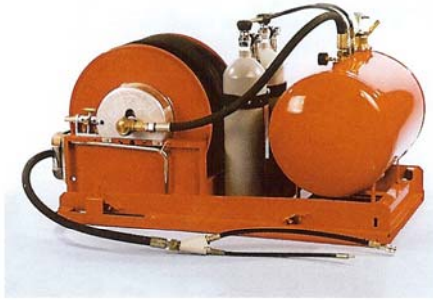
Whatever vehicle you normally use in your daily job, be it car, station wagon, pickup, truck, motorcycle, tractor, train or even helicopter – with IFEX conversion units you turn your means of transport into self-sufficient highly effective impulse firefighting vehicles within minutes. So you are able to effectively fight fires without having to provide highly specialized extinguishing vehicles.



**INITIAL ATTACK POWER**

## IFEX HOSE REEL/ HOSE REEL SKID

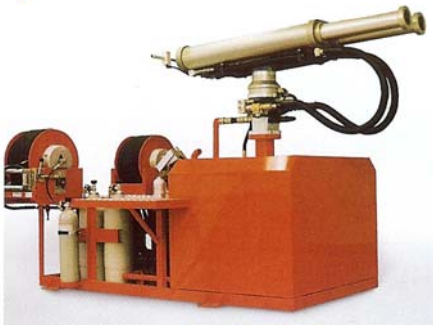
The IFEX hose reel - with its special coaxial hose of 30 to 100 meters - is designed for the use onboard all types of fire engines in combination with the IFEX impulse gun and works with the truck's water tank and pump. An air cylinder supplies the air pressure for the required number of impulse shots. For vehicles not having an autonomous water supply, such as passenger cars, station wagons etc., IFEX offers the complete solution: a hose reel with 55 meter hose, water tank and air cylinder are installed on a skid. The skid can be mounted onto the vehicle within seconds.



hose length	30 / 55 / 80 / 100 meters
reel: length x width x height	570 x 630(870) x 546 mm
reel: diameter	570 mm
skid: length x width x height	1150 x 660 x 830 mm
reel unit: overall weight	62 / 77 / 93 / 109 kg
skid: weight, empty	150 kg
water tank capacity skid	72.5 liters
air cylinders	2 x 6 liters, 200 bar
pressure regulator	2 x 300 / 25 / 6 bar
operating pressure	water 6 bar / air 25 bar
water / air connection unit	3/4" / 8 mm
materials	aluminum F 52, carbon steel, galvanized steel
hoses	snap on connection

## IFEX DUAL INTRUDER SKID

With the Dual Intruder skid, the combined power of the two connected 12 liter impulse cannons is mounted onto pickups or small sized trucks within short time. A water tank with 1,000 liter capacity provides the extinguishing agent for the impulse shots; air supply is provided by air pressure cylinders or compressor. Additionally, a further two hose reels with impulse guns are mounted on the skid thus transforming an ordinary transportation vehicle into a versatile fire fighting vehicle for rapid initial attack.



water/agent tank capacity	1,000 liters
cannon capacity	12 liters
air cylinder for cannons	4 x 20 liters, 200 bar
air cylinders for hose reels	4 x 6 liters, 300 bar
length x width x height	2400 x 1080 x 1200 mm
overall weight	965.5 kg
air pressure regulator	8 x 300 / 25 bar
water pump capacity	800 liter/min at 6 bar
water pump engine	2 cyl. 4 stroke - 18Hp
water pressure	5 to 8 bar
control unit	PLC Omron Sysmac
power supply to pump	engine truck batteries; 12 or 24 V DC
recharge time at 5 to 7 bar	3 - 4 sec
valve opening and closing time	20 milliseconds
max. shot length	64 meters
width of spray at 20 m distance	4.5 meters
effective fire extinguishing distance	10 to 40 meters

## IFEX TRACTOR UNIT

Perfect for fighting forest and wild-land fires: A regular tractor can be transformed into a highly effective fire extinguishing vehicle. The front-loader connection holds the IFEX unit with the 25 liter Dual Intruder cannons; a camera mounted inbetween the cannons assists in targeting of the shots. The supply platform with extinguishing agent tank, pump and compressor is hooked to the three-point-hook at the back. Aiming and shooting sequence is regulated via the control panel in the driver's cabin.



cannon capacity	2 x 25 liters
minimum water per shot	10 liters
operating pressure water	25 bar
time of recharge / air and water	5 seconds
material cannons	high quality aluminum
water tank	2,000 to 2,500 liters
material water tank	glass fiber / polyester
water tank refilling	during operation
water pump	pneumatic operation
capacity water pump	800 liters/min at 7 bar
air buffer tank	1,500 liters / 35 bar
PTO connection	ca. 20 KW / 27,2 HP
triggering of cannons	manual from joystick
max. shot length	75 meters
effective firefighting distance	10 to 45 meters



**IFEX**  
TECHNOLOGIES

**INITIAL ATTACK POWER**