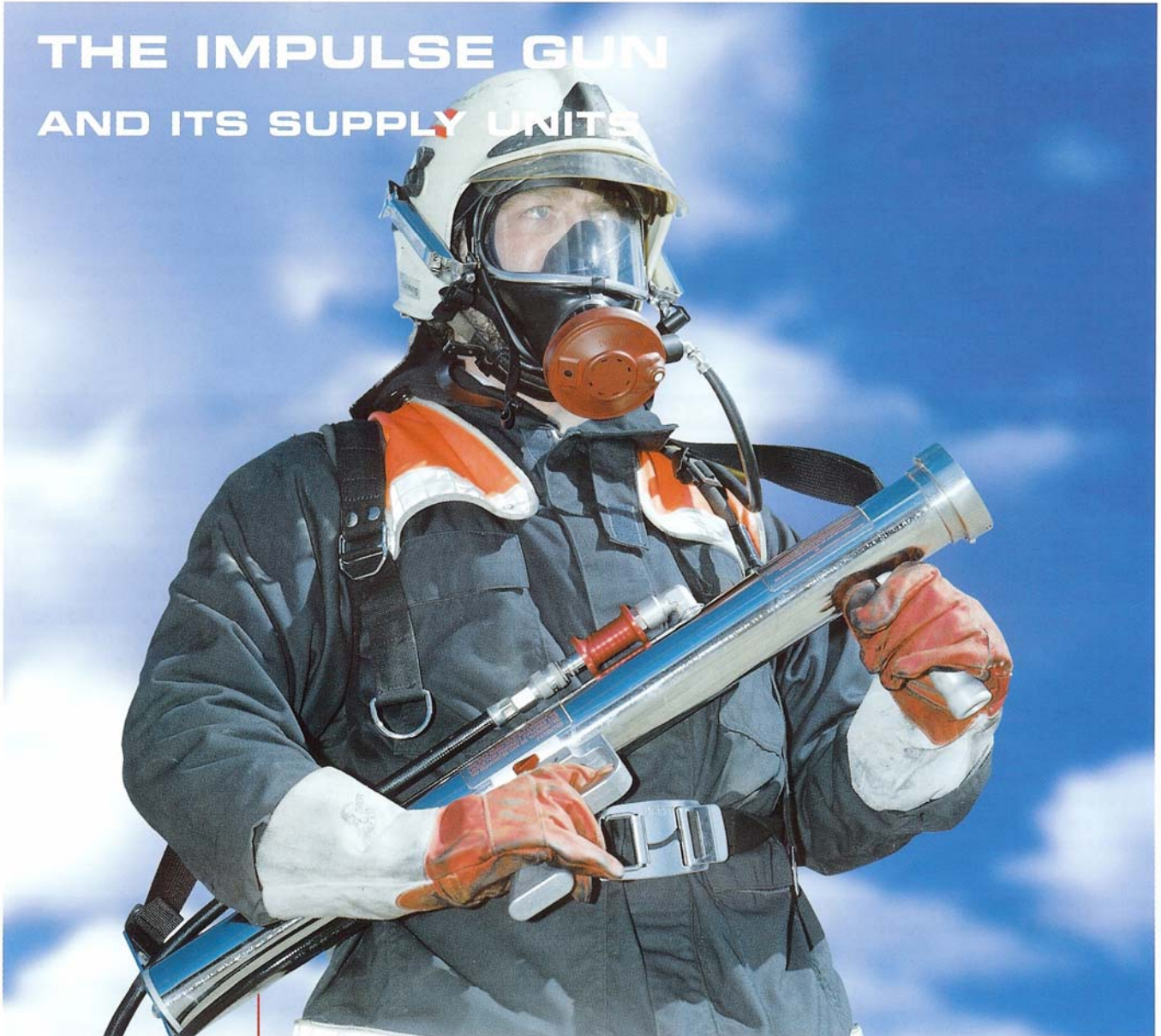


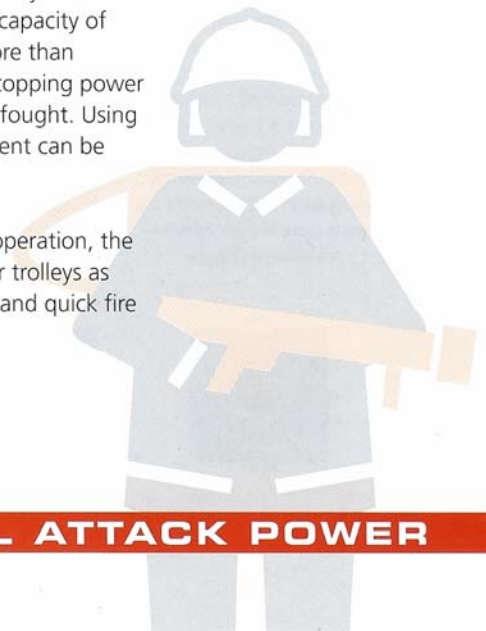


## THE IMPULSE GUN AND ITS SUPPLY UNITS



▶ The IFEX impulse Gun is designed as a highly versatile tool for fire brigades and rescue teams everywhere in the world. With only small amounts of water, these smart fire fighting tools have the capacity of extinguishing even large fires. The high shot velocity of more than 400 km/h and the large cooling surface provide high fire stopping power from a distance. With foam additive, liquid oil fires can be fought. Using only fresh water, fires in live high voltage electrical equipment can be extinguished.

As a man-based system for the firefighter's self-sufficient operation, the IFEX impulse gun is used in combination with backpacks or trolleys as independent supply units: the perfect team for fast attack and quick fire knockdown.



## IFEX 1 LITER IMPULSE GUN

The IFEX impulse gun is the centerpiece of the impulse technology. The gun made of stainless steel consists of a power chamber, a high speed valve, a pistol grip with release mechanism and a water/agent chamber. The power source is 25 bar compressed air. When the valve opens, the compressed air forces the agent out of the barrel at high velocity within milliseconds. The fire extinguishing agent is discharged with high momentum, high penetration effect and high fire cooling power.



water/agent tank capacity	1 liter
overall length / diameter	800 mm / 70 mm
weight, empty	6.8 kg
material cylinder	stainless steel SS 304
shoulder strap	flame resistant Nomex
high speed valve / piston	aluminum F 52 / titanium
pistol grip and trigger	cast aluminum
muzzle diaphragm	special rubber
release valve	SS304 body-aluminum slide
water and air hoses	snap on connections
min/max agent per impulse shot	0.25 / 1.0 liter
max shot length	16 meters
width of spray 5 meters from the gun	3.0 meters
operating / test pressure	25 bar / 40 bar
safety valve relief/opening pressure	35 bar
valve opening and closing time	20 milliseconds
velocity (at muzzle)	120 m/sec = 432 km/h
average droplet size	2 to 200 micron

## IFEX 13 LITER BACKPACK

The IFEX backpack is the most mobile support unit to be used in combination with the IFEX impulse gun. The unit holds a 13 liter water/agent cylinder, a 2 liter air cylinder and a pressure regulator with two outlets giving air pressure to the gun and to its water support. Water and any additive can be filled directly into the water cylinder, the concentration of additive should be reduced to 0,5 - 1% rather than the 3 - 6% normally recommended. The harness is provided with an additional bracket for mounting an extra air cylinder to support a breathing apparatus.



water / agent tank capacity	13 liter
size air cylinder	2 liter
overall width x depth x height	360 x 260 x 625 mm
weight, empty / overall weight	10.3 kg / 23.3 kg
material cylinder	stainless steel 1.4301-SS304
harness material	flame resistant synthetic
filler cap unit / handle brass	chrome plated steel
release valve	manual, 6.3 bar
water and air hoses	snap on connections
water inlet filter (optional)	mesh size 0.6 mm
operating / test pressure	6 bar / 7.8 bar
additive concentration	0.5 to 1.0 %

## IFEX TROLLEYS

The IFEX trolleys with their capacities of 35 or 50 liters allow the firefighter to achieve more than just a first attack. He can use the standard breathing apparatus and still be mobile and flexible; the water capacity for up to 100 impulse shots provides him with the fire stopping power to keep even large structural fires under control. The trolleys consist of a water/agent cylinder, a 6 liter air cylinder and the pressure regulator with two outlets. The unit is assembled on a wheel base with brackets for the impulse gun, the air cylinder and a 15 meter coaxial hose.



water / agent tank capacity	35 liter / 50 liter
size air cylinder	6 liter
overall width x depth x height	525 x 520 x 1070 mm
weight, empty / overall weight	41 kg / 76 kg (35l) 48 kg / 98 kg (50l)
hose length	15 meters
material cylinder	stainless steel 1.4571-SS316
wheel base	carbon steel
tyres	solid rubber, Ø 300 mm
filler cap unit / handle	brass chrome plated steel
release valve / manual valve	6 bar / 3 bar
water and air hoses	snap on connections
water inlet filter	mesh size 0.6 mm
operating / test pressure	6 bar / 10.4 bar
additive concentration	0.5 to 1.0 %



**IFEX**  
TECHNOLOGIES

For Information Contact: SafeScene  
(248) 651-8299  
info@safescene.us  
www.safescene.us

**INITIAL ATTACK POWER**