Flame Throwers

Inflamable liquid under pressure.

French

Small 3 gals - 10 lbs gross.
75 cu in compressed air 210-220 psi
Have equalizer reduces P to
about 12.5 lbs/in²
Gives spurt of flame -
continuous only 20 sec.
Range 30 yds.

Large

130 gals - 20 sec.
Weight 4000 lbs.
Range 70 yds.

Ignite at nozzle or throw
incendive as to flight.

Germans put MG gun
with flame throwers

Use Coal tar oil &
gasoline. % vary with
weather.

Used to mop up in
2-3 wave in trenches,
villages etc.
1. Topic: violent but temporary
2. " " persistent, indiscriminate, aggressive
3. " " persistent but latent effects

21 - Concrete heavy value 15 days
Food and kidney tissue
Upper respiratory tract.
1 orange band 21

3.
20 - Yeasts very heavy over 15 days
165
Green - 2 orange bands
Yt - carbonaceous
Ye - hemorrhagic

#8 - $1/2 - $1
106
1 white band - fragile

#7 - $1 - $1
105
1 orange band - fragile
#1

4B - Vitrite

1 White band

4B - 2 orange bars & shell case

155
1/7/3  19/20/21 1 white band

#2

21 - Canute - heavy vapor - 15 days

Lachrymated Histrimates upper respiratory tract.

1 orange band 21

#3

20 - Thermo - very heavy vapor - 15 days

165

Green - 2 orange bands

Yt - carbon tetrachloride

Ye - monochlor benzene

#5 - 3/1 - 3/11

105

1 white band - Togive

#7 - 3/1 - 4/11

105

1 orange band - Togive
Gas Shell

Four effective elements

Case = Forged Steel - Semi-Steel - Cast Iron
Forged 95 Kg
Semi 25 "
Cast Iron 12 "

Gas Classification
A. Lethal active poisons
HCN & Phosgene (CoCl)
Low persistency

B. Suffocant & Pentrating
Not necessarily lethal
May be killed by jet of air
SnCl2 - Chlorodichloroethane (Oxychlor)
C. Earplug & Ventilators
5K & 45K

Mustard Gas
French field gas to constant level - don't get constant weight or void. Make up first groups as per weight.

British get constant weight and constant volume,
They can be head joint and fill two plug on sides. Can test before filling;
U.S. will fill two top and use a pipe thread to get gas tight joint, Hand it tests.
Gas Cylinders

Wgt empty 70 lbs
Diam 1 1/20 "

Take 5 min to empty fully Black cylinder 
Shake 3 times to shake sure liquid tube has not come loose.

Cause for leaks
1. Dirty stuffing box
2. Tighten gland nut or strip valve and replace rubber gland.
4. Siphon broken off.

Set up in groups of 4.
Use 9/16 " hose 2'-1/2" long to connect to paraffin pipe.

Stand cylinders erect.

Open steam valve.

Keep fence for grating in steel barrel in valve when straining.

Smile more pleasant

Small pieces for removing rubber washer from valve 

Shaples
Chlorine 90
\[ Cl_2 \]

Red 90

Yellow 75

Green 190

Blue 200

White & red best

cylinders have 3/8" valve

takes 3 1/2 min to discharge one cylinder. Connect 4 together takes 12 min. abt.

6 to 8 half turns opens valve

Use Reg. Tester.

3 tiny bitch cars 40 to 45 cylinders

G.Wagon (2000 ft) 20 age max.

http://memory.loc.gov/diglib/vhp-stories/loc.natlib.afc2001001.12817/pageturner?ID=pm0026001&page=46