

PORTABLE EXTINGUISHER CATALOGUE



FIRESTOPPER®
Industrial - Commercial
Government



FIRESTOPPER®

**PRESENTS THE WORLD'S FIRST ALL FIRE CLASS EFFECTIVE
PORTABLE FIRE EXTINGUISHER PRODUCT LINE**

- ECO-SAFE • NON-TOXIC • NON-IRRITANT • NON-AGGRESSIVE • ALL PURPOSE
- LIQUID • COMMERCIAL • INDUSTRIAL • GOVERNMENT

0.4-LITER MODEL

MODEL PFE-101

NSN#: 4210-01-642-5552

Cage Code: 7B6W1



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Fog Spray Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2300-psi (158.5-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 3A, 21B, D, 25F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 10" (254mm)
W: 3" (77.4mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• **Eco-Safe**

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

Southwest Research Institute

NFPA10 • ANSI/UL711
• ULC S508 Ratings: 1B, C, K

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

UL Listing in process

NET FILL WEIGHT

Approx.: 1.1-lbs (0.5Kg.)

0.4-LITER MODEL

MODEL PFE-102

NSN#: 4210-01-642-5552
Cage Code: 7B6W1



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Natural Aspirating Foam Nozzle: 8 to 12 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2300-psi (158.5-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 3A, 21B, D, 25F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 10" (254mm)
W: 3" (77.4mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• Eco-Safe

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

Southwest Research Institute

NFPA10 • ANSI/UL711
• ULC S508 Ratings:
2B, C, K

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

UL Listing in process

NET FILL WEIGHT

Approx.: 1.1-lbs (0.5Kg.)

NSN#: 4210-01-642-5556
Cage Code: 7B6W1

1-LITER MODEL

MODEL PFE-103CAVS



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Fog Spray Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2300-psi (158.5-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 5A, 55B, D, 40F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 16" (405.5-mm)
W: 3" (77.4mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• Eco-Safe

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

Southwest Research Institute

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: 2B, C, K

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

UL Listing in process

NET FILL WEIGHT

Approx.: 2.7-lbs (0.5Kg.)

NSN#: 4210-01-642-5556
Cage Code: 7B6W1

1-LITER MODEL

MODEL PFE-103CAVF



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Natural Aspirating Foam Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2300-psi (158.5-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 5A, 55B, D, 40F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 16" (405.5-mm)
W: 3" (77.4mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• **Eco-Safe**

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

Southwest Research Institute

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: 2B, C, K

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

UL Listing in process

NET FILL WEIGHT

Approx.: 2.7-lbs (0.5Kg.)

1.5-LITER MODEL

MODEL PFE-1LCS

NSN#: 4210-01-632-9469
Cage Code: 7B6W1



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Fog Spray Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2300-psi (158.5-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 8A, 89B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 15.5" (405.5-mm)
W: 4.3" (109 mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• Eco-Safe

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

Southwest Research Institute

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: 5B, C, K

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

UL Listing in process

NET FILL WEIGHT

Approx.: 4-lbs (1.8Kg.)

1.5-LITER MODEL

MODEL PFE-1 LR

NSN#: 4210-01-632-9469
Cage Code: 7B6W1



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Natural Aspirating Foam Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2300-psi (158.5-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 8A, 89B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 15.5" (405.5-mm)
W: 4.3" (109 mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• **Eco-Safe**

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

Southwest Research Institute

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: 5B, C, K

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

UL Listing in process

NET FILL WEIGHT

Approx.: 4-lbs (1.8Kg.)

3-LITER MODEL

MODEL PFE-3LCS

NSN#: 4210-01-644-2559

Cage Code: 7B6W1



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Fog Spray Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 1900-psi (131-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 13A, 144B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 18.6" (472.4-mm)
W: 5.5" (141-mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• **Eco-Safe**

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

UL Listing in process

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: TBD

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

NET FILL WEIGHT

Approx.: 8-lbs (3.6Kg.)

3-LITER MODEL

MODEL PFE-3LCF

NSN#: 4210-01-644-2559
Cage Code: 7B6W1



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Natural Aspirating Foam Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 1900-psi (131-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 13A, 144B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 18.6" (472.4-mm)
W: 5.5" (141-mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• **Eco-Safe**

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

UL Listing in process

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: in process

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

NET FILL WEIGHT

Approx.: 8-lbs (3.6Kg.)

6-LITER MODEL

MODEL PFE-6LCS

NSN#: 4210-01-644-2565
Cage Code: 7B6W1



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Fog Spray Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2000-psi (137.9-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 21A, 183B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 20.5" (522.38-mm)
W: 7.65" (194.5-mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• Eco-Safe

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

UL Listing in process

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: in process

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

NET FILL WEIGHT

Approx.: 16.2 lbs (7.3 Kg.)

6-LITER MODEL

MODEL PFE-6LCF

NSN#: 4210-01-644-2565

Cage Code: 7B6W1



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Natural Aspirating Foam Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2000-psi (137.9-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 21A, 183B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 20.5" (522.38-mm)
W: 7.65" (194.5-mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• Eco-Safe

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

UL Listing in process

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: in process

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

NET FILL WEIGHT

Approx.: 16.2 lbs (7.3 Kg.)

NSN#: 4210-01-644-2570
Cage Code: 7B6W1

9-L INTL. MODEL PFE-9LCS

10-LITER US MODEL MODEL PFE-10LCS



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Fog Spray Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 1.5-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2000-psi (137.9-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 27A, 233B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 22.5.5" (571.38-mm)
W: 7.65" (194.5-mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• Eco-Safe

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

UL Listing in process

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: in process

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

NET FILL WEIGHT

Approx. Net Fill Weight (9-L/Intl.): 11 Kg (24.25 lbs)
(10-L-US): 27 lbs (12.2 Kg.)

9-L INTL. 10-LITER US MODEL

NSN#: 4210-01-644-2570
Cage Code: 7B6W1

MODEL PFE-9LCF

MODEL PFE-10LCF



MPA
Dresden



ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

FEATURES:

304 Stainless Steel Micro Polished for Greater Corrosion Resistance

40% Head Space for Better Distance Spray Control

Full Cone Natural Aspirating Foam Nozzle: 8 to 10 feet

Operating Temperature: -30°C to 60°C (-22°F to 140°F) EN3-7

Operating Pressure: US: 200-psi (EN: 15-Bars)

Test Pressure: 600-psi (41.3 Bars)
Burst Pressure: 2000-psi (137.9-Bars)

Limited Warranty: 20-year Onshore & 10-Year for Offshore Use

FIRE RATINGS AND LISTINGS (INTL)

MPA Dresden (Germany)

EN3-7: Ratings: 27A, 233B, D, 75F (35kv) Safe

DNV (Norway): CE

Wheelmark to be Completed in 2014

MEASUREMENTS

H: 22.5" (571.38-mm)
W: 7.65" (194.5-mm)

SPECIFICATIONS:

FireStopper® PFE-FR FFC (exclusive to FireStopper® Branded hardware)

Freeze Resistant to -100°F (-73.3°C)

• Eco-Safe

• Non-Toxic
• Non-Irritant
• Non-Aggressive

All Fire Class Effective (ABCDK)

Subclass Effective:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics, etc.

Class "D" Metals:
• Sodium • Lithium
• Magnesium, etc.

FIRE RATINGS AND LISTINGS (US)

UL Listing in process

NFPA10 • ANSI/UL711
• Canadian ULC S508 Ratings: in process

"C" Ratings (100kv) Neetrac Lab Georgia Tech
35kv EN3-7/MPA Dresden

NET FILL WEIGHT

Approx. Net Fill Weight
(9-L/Intl.): 11 Kg (24.25 lbs)
(10-L-US): 27 lbs (12.2 Kg.)

MAX-SUPPRESS™ 50-L (13.2-GAL)

MAN WHEELED UNIT (A FAST RESPONSE STANDING PRESSURE EXTINGUISHER)
MODEL: FWU-50L



FEATURES:

Stainless Steel Tank Micro Polished for Greater Corrosion Resistance Plumbing

Standing Pressure Unit with 40% Head Space Design for Maximum Discharge Efficiency

FireStopper® Proprietary Stainless Steel Discharge Nozzle: 0.5" Variable Pattern: Straight and Wide Stream

FireStopper® Extinguishing Agents All Fire Class Effective ABCDK (ABCDF)*

Subclass Effective Agent:
• Alcohols • Esters • Ethers
• Carbon Composites
• Rubber • Plastics • Lithium & Sodium Metals, etc.

Frame: Lightweight All Terrain Tri-Wheel Design with Powder Coated Reinforced Aviation Aluminum

Rubber Filled Tires for Longer Use Reliability

Limited Warranty:
20-year Onshore & 10-Year for Offshore Use

SPECIFICATIONS:

Tank Max Capacity:
75-Liter (20 gal)
Usable Capacity:
50-Liter (13.2-gal)

Operating Pressure: 350-psi (24-bars)
Test Pressure: 600-psi
Burst Pressure: 2300-psi

Foam Discharge Distance:
Approx.: 40 to 60-ft
(Approx.: 12 to 18-m)
Depending on Wind Conditions

Cold Environment Resistant:
-100°F (-73°C)
Operating Temperature:
-59.8°F (-51°C)

• **Eco-Safe**
• Non-Toxic
• Non-Irritant
• Non-Aggressive

Approx. Measurement:
Height: TBD
Width TBD
Length TBD

Marine Alloy Aluminum
Teardrop Holder

Approx. Empty Weight:
15-lbs (5.44-kg)
Charged: 35-lbs (16-kg)

* FireStopper® PFE-FR FFC is an ECO-Safe, all fire class (A-B-C-D-K) effective fire suppressant product exclusively available on FireStopper® Branded Products. Additionally, this product is Non-Toxic, Non-Irritant, Non-Aggressive, and approved for use on onshore and off shore applications. Tested and rated under UL711, ULC, NFPA10 & Internationally, EN3-7



ADDITIONAL INFORMATION:

The FireStopper® FFC Technology for the first time afford a single fire extinguisher product line to universally test, rate, and certify under both International standards (EN3-7) and (US) ANSI/NFPA, UL711/711-A, and ULC. In an effort to simplify the correlation between these two competing requirements, FireStopper® offers the following comparison (in both Standards the fuel called is n-Heptane industrial grade).

CLASS A TABLE 1

INTERNATIONAL			US	
MODEL	EN3-7 (A) RATINGS	(A) CRIB DIMS	UL711/711A RATINGS	(A) CRIB DIMS
.4-Liter	3A	L: 12" W: 20" H: 22"	N/A*	N/A*
1-Liter	5A	L: 19.6" W: 20" H: 22"	N/A*	N/A*
1.5-Liter	8A	L: 31.5" W: 20" H: 22"	1A**	20"³
3-Liter	13A	L: 51.2" W: 20" H: 22"	1A or 2A**	20"³ or 25"³
6-Liter	21A	L: 82.7" W: 20" H: 22"	2A or 3A**	25"³ or 29"³
9/10-Liter*	27A	L: 106" W: 20" H: 22"	4A or 6A**	32"³ or 36"³

Note: * FireStopper® intends to test and size the volume @ 10-liters for the US market

ADDITIONAL COMMENTS:

The above chart is intended to condense different and specific test construction information into an approximate comparison of two distinctly different fire testing Standards.

In fairness to both the standards and to the reader of this document, FireStopper® wants it to be known, that the above representation is only designed to assist in the visualization of how the awarded ratings in one standard generally compare to the other.

Both the Intl., and the US Standards generally employ the same specification for materials and ignition fuel, and their instructions for the testing procedure vary from each other. Notwithstanding, the achieved ratings resulting from testing is always based on the individually applied technique.

Note: It is important to understand that the end user will most likely fail to achieve the rated number given to any class of fire.

ADDITIONAL INFORMATION:

•The UL Standard document does not allow us to cut and paste their drawings; their crib is designed to always build in a cube configuration as opposed to the rectangular EN format (please see the above class A chart for specifications).

FIGURE 1
EN 3-7 Crib Structure

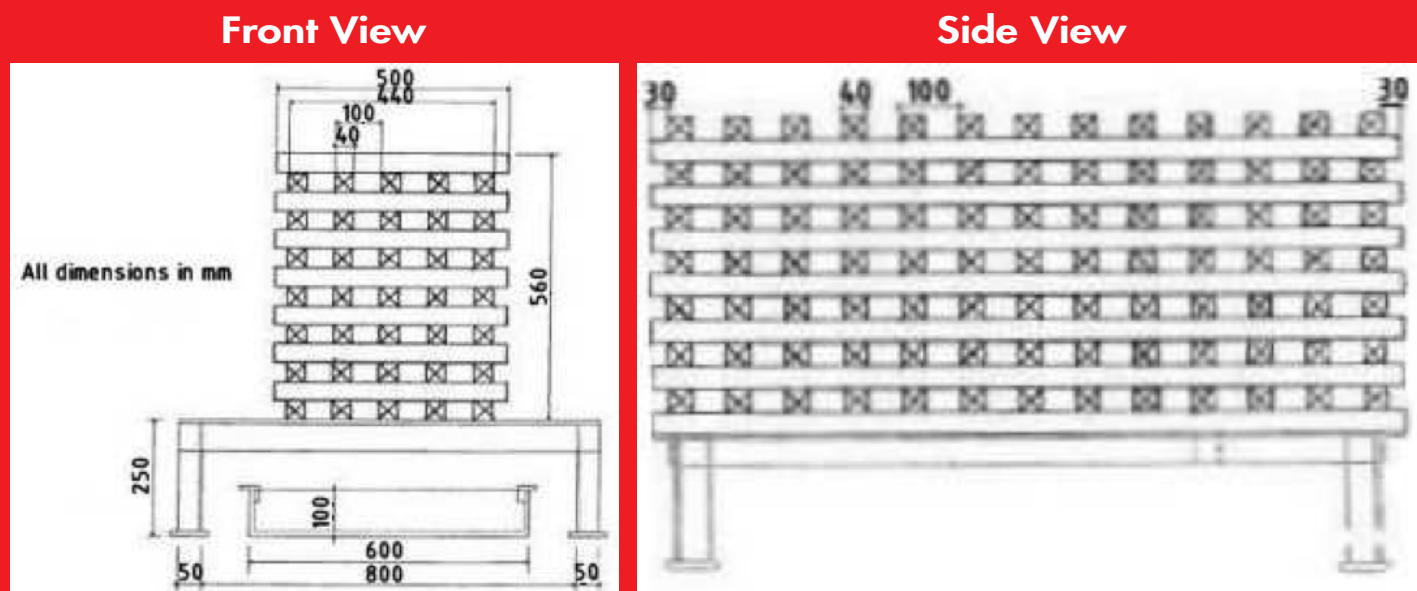


TABLE 2

•In addition to the required extinguishment of the class A crib, the UL711 standard requires that the class A Rating and Listing extinguish a wall panel whose measurements are defined according to the chart below:

WOOD-PANEL CONSTRUCTION AND ARRANGEMENT

RATING CLASS	TEST PANEL SIZE (M ²) (Ft ²)		NO 2 FUEL (ASTM D396) APPLIED (LITERS) (US GALLONS)		EXCELSIOR WINDOW MATERIAL (Kg) (Lb)	
1A	5.94	64	3.80	1	4.55	10
2A	9.29	100	7.55	2	9.05	20
3A	13.38	144	11.35	3	13.60	30
4A	18.21	196	15.15	4	18.15	40
6A	26.84	289	22.70	5	27.20	50

Note: UL does not provide a copyable drawing of their crib construction

ADDITIONAL INFORMATION:

CLASS B

The one visual difference between the UL and EN Standards pertaining to Class B testing is the shape of the pan. In the UL Standard the pans are square and in the EN the pans are round. The minimum depth in the UL requirement is 8", in the EN is 6 to 8"; 8" used in the commercial ratings sizes (fuel: n-Heptane)

TABLE 1

MODEL	SPEC	EN3-7	UL711/711-A
.4-Liter S* and Foam	Rating: Pan Size: Fuel Load:	21B Dia: 36" (7 ft²) 14-Liters	1B/2/B** 2.5 ft² (0.23m²) 11-Liters (2.9-gal)
1-Liter S and Foam	Rating: Pan Size: Fuel Load:	55B Dia: 58" (18.5 ft²) 37-Liters	2B (TBD: 5B) 5 ft² (0.47 m²) 23-Liters (6-gal)
1.5-Liter S and Foam	Rating: Pan Size: Fuel Load:	89B Dia: 74.5" (30 ft²) 60-Liters	5B 12.5 ft² (1.16 m²) 57-Liters (15-gal)
3-Liter S and Foam	Rating: Pan Size: Fuel Load:	144B Dia: 94.5" (48.6 ft²) 96-Liters	TBD: 10 to 20B 25 ft² (2.32 m²) 114-Liters (30-gal)
6-Liter S and Foam	Rating: Pan Size: Fuel Load:	189B Dia: 107" (62 ft²) 122-Liters	20B + TBD 50 ft² (4.65-m²) 227-Liters (60-gal)
9/10-Liter S and Foam	Rating: Pan Size: Fuel Load:	233B Dia: 118: (79 ft²) 156-Liters	30B + TBD 75 ft² (7-m²) 350-L (92.6-gal)

Note: * The above reference to S means the nozzle configuration is a "Spray Fog Style" and "Foam" designates a naturally aspirating foam nozzle ** FireStopper® achieved 2 distinct ratings in each nozzle configuration rated under the UL711 Standard as represented above

CLASS C

This UL 711 for class C Certification was conducted at NEETRAC (The National Electric Energy Testing Research & Application Center) a research center of the Georgia Institute of Technology, and was observed and certified by Southwest Research Institute (please see the setup below in figures 2 & 3).

• FireStopper® certified both nozzle configurations utilized in the full line of portable extinguishers (the "Fog Spray" and naturally aspirating foam nozzles). • Certified reports available upon request for qualified purposes

Please Note: The UL Standard defines the Class C testing to be conducted at 100kv. This test is to qualify hardware for use exposed to the potential of electrically energized fires. In contrast, the EN3-7, the internationally recognize standard, limits the required voltage to 35kv.

ADDITIONAL INFORMATION:

Figures 2-5 show the “C” test setup at Georgia Tech’s NeeTrac Testing Laboratory pursuant to UL711

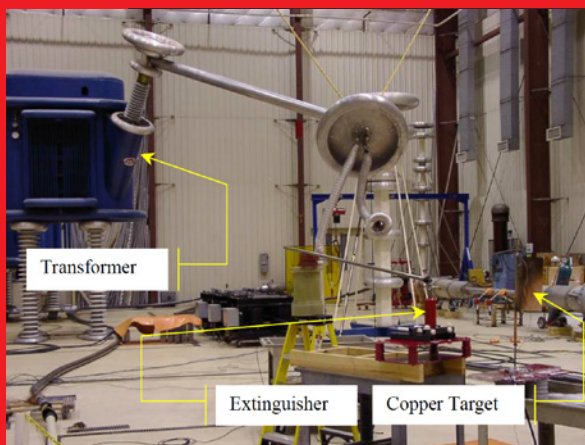


Figure 1. General Setup Illustrating Step-Up Transformer Voltage Source, Extinguisher, and Target.



Figure 2. General Setup Illustrating Test Extinguisher and Target



Figure 3. 0.8-L FR Extinguisher
UL 711 (Class C) - Test in Progress



Figure 4. 0.95-L PFE Extinguisher
UL 711 (Class C) - Test in Progress



Figure 5. 0.8-L FOG1 Extinguisher
UL 711 (Class C) - Test in Progress

CLASS D

Comprehensive Testing and Certification for “D” class of fires has only been undertaken to the EN3-7 Standard at MPA Dresden, Germany. This undertaking required that FireStopper® demonstrate that a water-based agent could and would extinguish flammable metals in general in a safe and usual manner.

The EN3-7 Standard does not contemplate a liquid media for this class of fire. FireStopper® is the first technology in the world to demonstrate this efficacy. Therefore under this Certification, FireStopper® is required to provide additional instructions on its international labeling for class “D”.

Once UL undertakes and completes the class “D” portion of the rating and Listing, we may find similar labeling requirements since FireStopper® is the only liquid with this capability and efficacy.

FireStopper® demonstrated the effectiveness of its product on all the classes of fire to Southwest Research Institute during the UL testing conducted under Southwest Research Institute control to their satisfaction.

ADDITIONAL INFORMATION:

CLASS K/F (Fats & Cooking Media)

The US Standards address commercial and residential testing requirements accordingly. In the commercial phase, which is the domain of UL711, the requirement is to extinguish an auto ignited cooking oil media (at approx. 680° F)

TABLE 1: UL TEST FUEL & SURFACE AREA REQUIREMENT

FUEL	VOLUME	TEMPERATURE	SURFACE AREA/DEPTH
Vegetable Oil	10-gal (37.8-Liters)	560°F to 580°F	460 by 610 mm (18 by 24") 460 mm (18") deep

UL 711 General Instructions (Example):

11. 2.3 For the fire extinguisher test, the fryer is to be continually heated at its maximum energy input, and at a minimum rate of 6.7°C (12°F) temperature rise per minute as measured when heating the oil temperature from 260 to 316°C (500 to 600°F), until auto ignition occurs.

11. 2.4 At auto ignition or when the temperature reaches 363°C (685°F), whichever occurs last, the fire is to burn freely with the energy source remaining on for 1-minute. After the 1-minute free burn, the extinguisher is to be discharged onto the fryer continuously until the extinguisher is fully discharged. The energy source to the fryer is to remain on during discharge. The initial discharge of the extinguisher on to the fryer shall be at the distance specified in the manufacturer's instructions, and the extinguisher nozzle shall not extend over the front edge of the fryer during discharge.

UL711-A (This is an Annex designed to test smaller residential use portable extinguishers)

1. The following test vessels are to be used for these tests:

- a) A 330 – 356 mm (13 – 14 in) diameter (top of skillet) by 51 mm (2 in) high cast iron skillet;
- b) A 254 mm (10 in) diameter (top of pan) by 178 mm (7 in) high stainless steel pan; and
- c) A steel griddle measuring the full width and one-half the depth of the cook top surface with 51 mm (2 in) high sidewalls. The griddle is permitted to be fabricated to accommodate the size requirements.

FireStopper® performed at record braking speed to extinguish the fire in both US and EN Standards (please view our test at: <http://www.firestopperinternational.com/?context=commercial&impl=videos>)

F CLASS

TABLE 2: EN3-7 TEST FUEL AND SURFACE AREA REQUIREMENTS

RATINGS	FUEL	VOLUME	TEMPERATURE	SURFACE AREA/DEPTH
25F	Veg Oil	6.6-gal (25-Liters)	Auto Ignition	L: 22" W: 10" D: 10"
40F	Veg Oil	10.7-gal (40-Liters)	Auto Ignition	L: 24" W: 18" D: 10"
75F	Veg Oil	29-gal (75-Liters)	Auto Ignition	L: 40" W: 20" D: 10"

Based on the above comparison, the FireStopper® full line or portable extinguishers are unmatched by all other extinguisher lines available anywhere.