

# RED LINE® High Flow Advantage

## Applications:

Fuel under pressure, flanges, hydraulic lines, fuel lines, fuel pumps, and others.

## Interpreting Ratings, Flow Rates and Discharge Times:

To avoid a false sense of security when selecting an extinguisher, selection should not be based solely on the UL ratings. It is important to realize the differences between the type of fire that is used to determine the rating and those fires most likely to be encountered in actual field situations.

UL rating system is based on the size of the UL standard square pan that a hand portable extinguisher can extinguish. Even with extinguishers of the same size, the UL rating for one extinguisher can be increased by reducing the dry chemical discharge rate and maintaining a sufficient range to push the fire off the rear of the test pan.

Most 'real world' Class B fires involve obstacles and/or flowing fuel three dimensional situations. Fuel under pressure is often involved. Unlike the UL test rating type fire where lowering the dry chemical discharge rate can yield increased ratings, higher dry chemical discharge rates are necessary for increased effectiveness when these types of fires are encountered.

In summary, if the potential fire condition is similar to the UL test rating fire conditions (no flowing fuel, no pressure and no obstacle fires), then the UL rating can be closely followed. However, if the potential fire involves flowing fuel, fuel under pressure, or contains obstacles; an extinguisher with a higher dry chemical discharge rate will provide increased firefighting capability.



## NFPA 10 2007 Edition:

**5.4.1.3 Extra (High) Hazards.** Extra (high) hazard occupancies shall be classified as locations where the quantity and combustibility of Class A combustible material is high or where high amounts of Class B flammables are present and rapidly developing fires with high rates of heat release are expected. These occupancies consist of fire hazards involved with the storage, packaging, handling, or manufacture of Class A combustibles and/or the total quantity of Class B flammables expected to be present in more than 5 gal (18.9L) in any room or area.

### 5.5.1.1 Extinguishers for Pressurized Flammable Liquids and Pressurized Gas Fires.

**5.5.1.1.1** Selection of fire extinguishers for this type of hazard shall be made on the basis of recommendations by manufacturers of this specialized equipment.

**5.5.1.1.2** Large capacity dry chemical extinguishers of 10 lb (4.54 kg) or greater and a discharge rate of 1 lb/sec (0.45 kg/sec) or more shall be used to protect these hazards.

**CAUTION:** Attempting to extinguish this type of fire is undesirable unless there is reasonable assurance that the source of fuel can be promptly shut off.

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## SPECIFICATIONS

	ANSUL HF-I-K-20-G	AMEREX 580 Fast Flow 20 lb. Purple K	ANSUL HF-I-K-30-G	AMEREX 569 Fast Flow 30 lb. Purple K
<b>Flow Rate</b> lb./sec. kg/sec.	1.55 (.70)	1.33 (.60)	2.35 (1.07)	1.88 (.85)
<b>Effective Discharge Times (sec.)</b>	12	15	12	16
<b>Ratings</b>	20-B:C	40-B:C	20-B:C	40-B:C
<b>Listings</b>	UL, FM, USCG <sup>†</sup>	UL, USCG <sup>†</sup>	UL, FM, USCG <sup>†</sup>	UL, USCG <sup>†</sup>
<b>Dimensions:</b>				
<b>Height</b> (in.) (cm)	20 1/2 (52)	24 1/2 (62)	22 1/2 (57)	26 1/4 (66.7)
<b>Width</b> (in.) (cm)	10 3/8 (26.3)	9 1/2 (24)	11 1/8 (28.3)	10 1/2 (26.7)
<b>Depth</b> (in.) (cm)	7 (17.8)	7 (17.8)	8 (20.3)	8 (20.3)
<b>Shell Diameter</b> (in.) (cm)	6 (15.24)	7 (17.8)	7 (17.8)	8 (20.3)
<b>Weight*</b>	36 lb. (16.3 kg)	40 lb. 12 oz. (18.5 kg)	51 lb. 8 oz. (23.4 kg)	56 lb. 1/2 oz. (25.4 kg)

## AVAILABLE FEATURES

<b>Corrosion Resistant</b>	Yes	Yes	Yes	Yes
<b>Indicator Fill Cap</b>	Yes	N/A	Yes	N/A
<b>Low Temperature (-65° F/-54° C)</b>	Yes	Yes	Yes	Yes
<b>Color-Coded High-Flow Nozzle</b>	Yes	No	Yes	No
<b>Ring Pin</b>	Yes	Yes	Yes	Yes

<sup>†</sup> USCG approved only with bracket

\* The USCG states that an extinguisher "shall weigh not more than 55 pounds, maximum, when fully charged."

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