

End User FAQs

(Frequently Asked Questions)

SENTRY High-Flow Fire Extinguisher

<p>What is a SENTRY High-Flow Fire Extinguisher and why would I use it in place of a standard fire extinguisher?</p>	<p>A SENTRY High-Flow, Stored-Pressure Fire Extinguisher has a dry chemical capacity of 10 lb (4.54 kg) or greater with a discharge rate of 1 lb/sec (0.45 kg/sec) or greater, which complies with NFPA 10: <i>Standard for Portable Fire Extinguishers</i>, Section 5.5.1.1, for pressurized flammable liquid and pressurized gas fires. The higher discharge rate allows a greater volume of dry chemical agent to be applied to the fire more quickly which provides increased firefighting capability compared to standard fire extinguishers.</p>
<p>For what applications/ industries is the high-flow, stored-pressure fire extinguisher designed?</p>	<p>The high-flow, stored-pressure extinguisher is designed for propane filling and storage locations, gas/fuel stations, construction sites, maintenance facilities, hazardous material cabinets, small paint spray booths and repair facilities, marinas and marine terminals, salvage and recycling facilities, warehouse and storage facilities.</p>
<p>Specifically, for what types of fires are high-flow fire extinguishers designed?</p>	<p>High-flow extinguishers are designed for three-dimensional and obstacle fires involving flowing fuel, fuel under pressure and gravity-fed fuel fires.</p>
<p>Will the high-flow, stored-pressure fire extinguisher have a higher UL/ULC rating?</p>	<p>Typically, it will not. UL Class-B ratings are determined by pan fire tests. It is important to realize the differences between the type of fire that is used to determine the rating and those fires likely to be encountered in actual situations. If a potential fire involves flowing fuel, fuel under pressure or contains obstacles; a high-flow model will provide better protection and increased firefighting capability due to the higher dry chemical discharge rate even though the UL/ULC ratings may be lower.</p>
<p>Do high-flow, stored-pressure fire extinguishers meet the fire codes?</p>	<p>Yes. SENTRY high-flow, stored-pressure extinguishers are in compliance with NFPA 10 Section 5.5.1.1. for pressurized flammable liquid and gas fires.</p>
<p>What standards do high-flow, stored-pressure fire extinguishers meet?</p>	<p>SENTRY high-flow, stored-pressure extinguishers meet or exceed ANSI/UL299 and 711 or ULC S504 and S508 standards and are USCG approved with proper bracket.</p>

<p>I already have stored-pressure fire extinguishers. Do I need to replace my current fire extinguishers with high-flow fire extinguishers?</p>	<p>In the specific applications previously listed, high-flow fire extinguishers are required to be in compliance with NFPA 10: <i>Standard for Portable Fire Extinguishers</i>.</p>																																													
<p>What sizes/models are available?</p>	<table border="1"> <thead> <tr> <th>Type</th> <th>SENTRY Model</th> <th>Rating</th> <th>Listings/ Approvals</th> <th>Discharge Rate lb/sec (kg/sec)</th> </tr> </thead> <tbody> <tr> <td>10 lb ABC</td> <td>HF-AA10S</td> <td>1-A:20-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.26 (0.572)</td> </tr> <tr> <td>10 lb BC</td> <td>HF-PK10S</td> <td>20-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.30 (0.590)</td> </tr> <tr> <td>10 lb ABC Corrosion Resistant</td> <td>HF-CR-AA10SI</td> <td>1-A:20-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.26 (0.572)</td> </tr> <tr> <td>10 lb BC Corrosion Resistant</td> <td>HF-CR-PK10SI</td> <td>20-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.30 (0.590)</td> </tr> <tr> <td>20 lb ABC</td> <td>HF-AA20-1</td> <td>4-A:60-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.20 (0.544)</td> </tr> <tr> <td>20 lb BC</td> <td>HF-PK20</td> <td>60-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.19 (0.540)</td> </tr> <tr> <td>20 lb ABC Corrosion Resistant</td> <td>HF-CR-AA20I-1</td> <td>4-A:60-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.20 (0.544)</td> </tr> <tr> <td>20 lb BC Corrosion Resistant</td> <td>HF-CR-PK20I</td> <td>60-B:C</td> <td>UL/ULC USCG w/bracket</td> <td>1.19 (0.540)</td> </tr> </tbody> </table>	Type	SENTRY Model	Rating	Listings/ Approvals	Discharge Rate lb/sec (kg/sec)	10 lb ABC	HF-AA10S	1-A:20-B:C	UL/ULC USCG w/bracket	1.26 (0.572)	10 lb BC	HF-PK10S	20-B:C	UL/ULC USCG w/bracket	1.30 (0.590)	10 lb ABC Corrosion Resistant	HF-CR-AA10SI	1-A:20-B:C	UL/ULC USCG w/bracket	1.26 (0.572)	10 lb BC Corrosion Resistant	HF-CR-PK10SI	20-B:C	UL/ULC USCG w/bracket	1.30 (0.590)	20 lb ABC	HF-AA20-1	4-A:60-B:C	UL/ULC USCG w/bracket	1.20 (0.544)	20 lb BC	HF-PK20	60-B:C	UL/ULC USCG w/bracket	1.19 (0.540)	20 lb ABC Corrosion Resistant	HF-CR-AA20I-1	4-A:60-B:C	UL/ULC USCG w/bracket	1.20 (0.544)	20 lb BC Corrosion Resistant	HF-CR-PK20I	60-B:C	UL/ULC USCG w/bracket	1.19 (0.540)
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<p>Should I choose an ABC model or a BC model?</p>	<p>You should use an ABC model fire extinguisher whenever the hazard area involves ordinary combustibles materials such as wood, cloth, paper, rubber and many plastics (Class A) as well as flammable liquids, gases and greases (Class B) and energized electrical equipment (Class C).</p> <p>You should use a BC model fire extinguisher for hazard areas involving flammable liquids, gases and greases (Class B) and energized electrical equipment (Class C).</p>																																													