

RELY FX™ 20lb High-Flow PKP Fire Extinguisher Spec Sheet

The RELY FX™ 20-pound high-flow PKP fire extinguisher is specifically designed for use in high-performance industrial, marine, and extreme conditions where flammable liquid fires are possible. The 80-B:C fire rating fulfills NFPA “High Hazard” occupancy coverage requirements and high-flow agent delivery rate exceeding one pound per second provides exceptional extinguishment performance to meet special Class “B” obstacle, pressure, and three-dimensional fire hazard coverage needs. This high-flow model satisfies UL, ULC, USCG, FAA, NFPA and DOD requirements.



RELY FX Model P20PKP-HF	
Part Number:	10-30191
Numerical Fire Rating:	80-B:C
Agent Charge Capacity:	20 lb (9.1 kg) PKP dry chemical
Operating Pressure:	240 psi (1655 kPa)
Agent Discharge Rate:	1.04 lb/s (0.47 kg/s)
Effective Discharge Duration:	22 seconds
Effective Discharge Range:	40 feet (12.2m)
Operating Temperature:	-65 to 120°F* (-54 to 49°C)
Total Charged Weight:	39.9 lb (18.1 kg)
Total Height:	25.9 in (65.8 cm)
Total Depth:	7.0 in (17.8 cm)
Total Width:	8.0 in (20.3 cm)
UL Listed and Labeled:	UL 299 and UL 711 standards
ULC Listed and Labeled:	S-504 and S-508 standards
Approval Agency File:	EX28741
USCG References:	46 CFR § 162.028 Type-B:C Size III
DOT:	Meets 49 CFR requirements
Military Non-Magnetic:	Mil-E-24091C (<i>pending</i>)
US Navy Specification:	Mil-DTL-24652A (SH) (<i>pending</i>)
Advanced Vibration Tested:	US Navy Mil-167-1 (<i>pending</i>)
Advanced Shock Tested:	US Navy MIL-901E (<i>pending</i>)
Heavy Duty Brackets:	Black Steel 81-681 Red Stainless Steel 81-682**

***Red stainless-steel bracket required for Navy shipboard applications.*

The new RELY FX™ P20PKP-HF dry chemical fire extinguisher effectively addresses the extinguishment of Class “B” and “C” types of fires by novice and professional operators. Ideally suited for deployment in demanding environments including emergency response, military combat situations, and corrosive marine environments. The non-shat DOT 3AL-1800 aluminum cylinder successfully met rigorous operational vibration and shock tests generating impact forces up to 200 Gs to ensure structural and operational integrity under severe conditions.

The RELY FX™ P20PKP-HF dry chemical model carries a ten (10) year limited factory warranty.

*Manufacturer-tested for operational performance across temperature extremes ranging from -65°F (-54°C) to 160°F (71°C), providing a total functional temperature span of 225°F. Refer to **RELY FX Bulletin PB103** for more information.

All information listed herein is subject to change.

RELY FX™ 20lb High-Flow PKP Fire Extinguisher Hardware Features

Extinguishing Agent: Extinguisher contains 20 pounds (9.1 kg) of RELY PKP 90 dry chemical extinguishing agent that is 92% potassium bicarbonate (PKP). In addition, the unit is engineered to reliably perform in elevated temperature exposures up to 160°F (71°C)
[see nameplate or RELY FX Product Bulletin PB103 for additional details]

Agent Cylinder: Non-shat and non-magnetic DOT 3AL-1800 aluminum specification cylinder with indexed internal threaded collar eliminates installation orientation issues. External surface is finished with a red epoxy powder coating for added corrosion resistance and approval requirements. Cylinders meet 240-hour corrosion resistance exposure tests for offshore marine and USCG shipboard approval. Cylinders carry a ten (10) year DOT retest/requalification interval and do not require the six (6) year internal examinations.
[see RELY FX Product Bulletin PB102 for additional details]

Valve Assembly: Heavy-duty chrome-plated forged brass valve assemblies feature heavy-duty protective gauge guards and an integrated hanger loop with stainless-steel hardware - operating lever, carry handle, rivets, and valve stem shafts.

Pull Pin and Retainer: Extra thick .177-inch (.44 cm) 316 stainless steel pull pin shaft with a large 1.5-inch (3.9 cm) inside diameter finger pull loop. Black retention tether (or optional stainless-steel retention chain) prevents loss of pull pin after use.

Internal Siphon Tube Assembly: Threaded heavy-duty nickel-plated steel construction.

Discharge Hose and Nozzle Assembly: Stainless steel threaded valve hex fitting connection, protective sleeve covered ferrule crimp, extended length 0.5-inch (1.3 cm) inside diameter discharge hose, and black anodized aluminum nozzle.

Hose Retainer Band: Heavy-duty 316 stainless steel 0.75-inch (1.9 cm) wide hose band and retainer assembly with threaded adjustment connection.

Nameplates: Large, field replaceable, 6 x 12-inch (15.2 x 30.5 cm) tri-lingual nameplates list extinguisher service information, contents, and illustrated operating instructions.

Factory Support and Training: Product service manuals and online factory training courses available to service companies and owners wishing to perform service work on RELY fire extinguisher models in accordance with NFPA-10. One-day onsite training and certification opportunities exist, see your RELY FX sales representative or contact RELY FX Customer service at FXsupport@relyinc.com.

