

ADVANCED, ECO-FRIENDLY **FOAM** SYSTEMS

HD Fire Protect demonstrates the key benefits for HD AR-SFFF F3, ideal for tank farms and refineries, petrochemical facilities, warehouses, flammable liquid storage areas and ports

“HD Fire Protect offers an extensive range of fire-fighting foam concentrates meticulously engineered to tackle diverse fire scenarios”

With over 35 years of unparalleled expertise in the special hazards fire protection domain, the dedicated team at HD Fire Protect Pvt. Ltd. has consistently delivered innovative and reliable solutions for the most complex fire safety challenges. Our proven track record in AFFF and AR-AFFF low expansion foam systems, leveraging advanced C6 formulations, has set the benchmark for the industry. Recognising the growing imperative for environmental sustainability, we are proud to introduce the HD AR-SFFF F3 Foam Concentrate—an innovative solution that redefines fire protection while addressing critical global environmental concerns.

HD FOAM CONCENTRATES: A COMPREHENSIVE RANGE

HD Fire Protect offers an extensive range of fire-fighting foam concentrates meticulously engineered to tackle diverse fire scenarios. These concentrates are rigorously tested and certified to meet international standards such as UL 162 and FM 5130, ensuring consistent reliability and peak performance. Designed for compatibility with both fresh and seawater, our foam concentrates deliver unmatched versatility across various applications. Our major foam concentrate range includes:

- AR-SFFF F3: Alcohol-Resistant Non-Fluorinated Foam Concentrate, available in 3% x 3%.
- AFFF: Available in 1%, 3%, and 6% concentrations.
- AR-AFFF: Alcohol-Resistant AFFF, available in 1% x 3%, 3% x 3%, and 3% x 6% concentrations.
- FP: Available in 3% and 6% concentrations.
- FFFP: Available in 3% and 6% concentrations.
- AFFF 3FZ: AFFF Foam Concentrate suitable for storage and use at temperatures as low as -18°C (0°F).

Additionally, many of our foam concentrates are approved to ICAO Level B & C, ensuring compliance with stringent aviation fire safety requirements.

WHY IS NON-FLUORINATED FOAM IMPORTANT?

As industry leaders with decades of experience, we understand the pivotal role of transitioning to non-fluorinated foam concentrates like HD AR-SFFF F3. Traditional fluorinated foams contain PFAS (Per- and Polyfluoroalkyl Substances), persistent chemicals associated with significant environmental and health risks. By eliminating these compounds, HD AR-SFFF F3 reduces ecological impact, ensures safer handling, and

meets evolving global regulations. In today's industrial landscape, where sustainability is no longer optional, our non-fluorinated foam aligns with environmental priorities while maintaining exceptional fire suppression capabilities.

NFPA II COMPLIANCE

HD Fire Protect's foam systems are meticulously designed, installed, and maintained in strict adherence to NFPA 11 standards. These standards provide comprehensive guidelines for low-, medium-, and high-expansion foam systems.

Adhering to NFPA 11 demonstrates our unwavering commitment to safety, reliability, and compliance, providing our clients with peace of mind.

INTRODUCING HD AR-SFFF F3: SETTING A NEW STANDARD IN FIRE PROTECTION

The HD AR-SFFF F3 3x3 Fluorine-Free Foam Concentrate marks a transformative advancement in fire protection. Developed with precision and backed by decades of field expertise, this foam delivers high-performance fire suppression while addressing global environmental concerns. UL Listed and tailored for critical applications, it is ideally suited for use in tank farms, refineries, petrochemical facilities, warehouses, flammable liquid storage areas, ports, and terminals.

Complete Foam Hardware for Comprehensive Fire Protection

Our commitment to comprehensive fire safety extends beyond foam concentrates to include a full suite of foam hardware. Our complete foam hardware is UL Listed when used with the HD AR-SFFF F3 Foam Concentrate, ensuring seamless integration and high performance for critical fire safety applications.

- Foam Bladder Tanks
- Inline Balanced Pressure Proportioners
- Foam Chambers
- Foam Makers
- Foam-Water Sprinklers
- Inline Inductors
- Foam Branch Pipes

By integrating these components, we ensure seamless and reliable fire protection solutions tailored to meet the demands of industrial and commercial applications. **FB**



THE WORLD CAN'T WAIT. SO, WE INNOVATE.

The world has been waiting for fluorine-free foam systems and we are one of the quickest to respond.

Our UL Listed **HD-AR-SFFF** F3 3x3 Foam, Foam Proportioners, and Foam Discharge Hardware, are now ready to be deployed.



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