

FHR-02 – Hose reel w/ Foam Tank and Inductor



FHR-02 – HOSE REEL WITH FOAM TANK AND INDUCTOR

Standard material

Cabinet:	SST AISI 316, painted externally
Piping:	Titanium gr. 2
Valve:	Titanium gr. 2
Hose reel:	SST AISI 316
Nozzle:	Bronze
Hose:	Codan 5300 (1") and 5400 (1¼" & 1½")
Hand Crank:	SST AISI 316, 1:3 gear ratio
Foam Tank:	SST AISI 316, XX liters (YY gallons)
Foam Inductor *:	Titanium gr. 2
Foam Pipe or Tubing:	SST AISI 316

* Induct at 1% or 3% per project requirement.

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Installation

Mount: Bolted to Deck

Operation

Water Only: Open isolation valve, remove hose to required length, open nozzle.

Foam: Open foam valve. This hose reel model utilizes the venturi effect to pickup foam concentrate and injects it at an accurate 1% or 3% induction rate.

Options

- Piping:
- Cunifer CU 90/10 w/ Alubronze valve
 - Super Duplex Stainless Steel
- Pressure Control:
- Restriction Orifice
 - Pressure Control Valve
- Pressure Indicators:
- Project Preference
- Cabinet:
- Insulation
 - Heater (Zone 1 Certified)
- Hose:
- Size and Length
- Nozzle:
- Project Preference
- Mount:
- Seal weld w/ 309 filler wire (316SS to C.S.)
- Foam Inductor:
- Alubronze
 - Super Duplex SS
- Foam Tank:
- * Size per project requirement
- * Increasing tank size may increase footprint / size of hose reel cabinet.

Working pressure: 20 barg (290 psig)

Test pressure: 30 barg (435 psig)

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Table 1: FHR-02-XX Dimension and Weight Data

Type	Hose size – length (in x meter)	Overall Length (mm)	Overall Height (mm)	Overall Depth (mm)	Dry Weight (kg)
FHR-02-32	1 ¼ x 30 – 45*	900	1500	900	280
FHR-02-40	1 ½ x 30	900	1500	900	280

* Hose length according to project's requirements

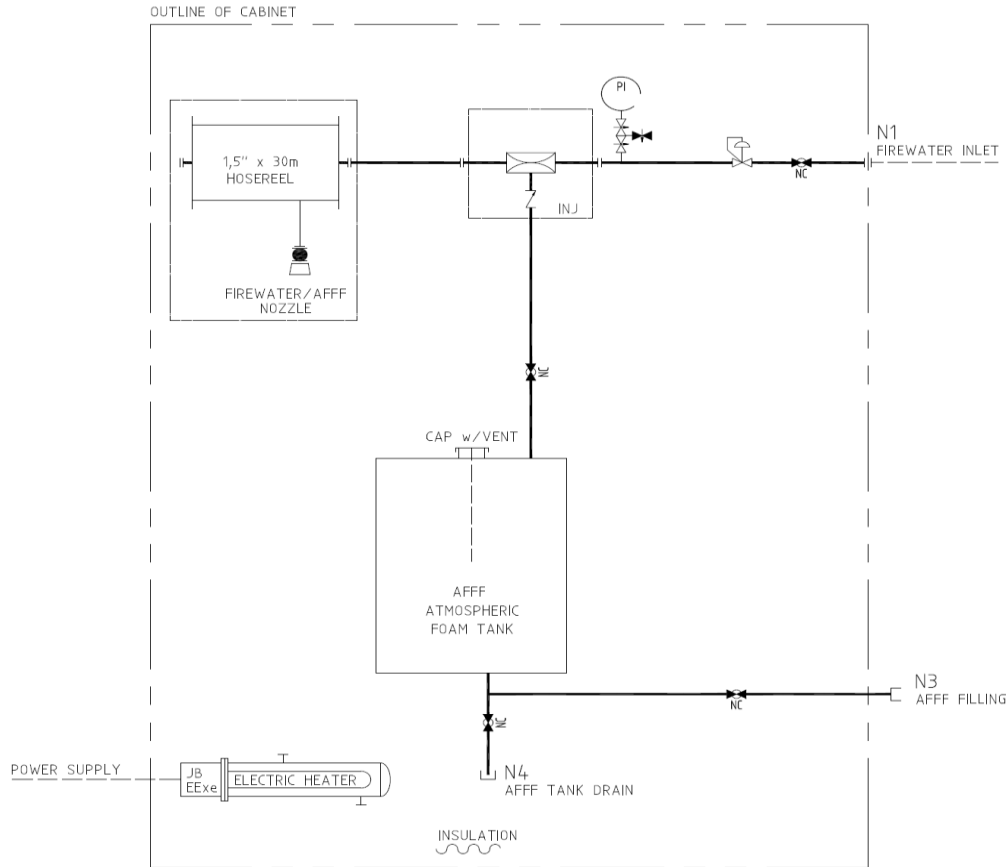
Table 2: FHR-02-XX Flow Data

Hosereel Inlet Pressure	FHR-02-32 w/ 95 gpm nozzle	FHR-02-40 w/ 95 gpm nozzle
barg (psig)	lpm (gpm)	lpm (gpm)
6 (87)	200	214
8 (116)	230	247
10 (145)	259	276

Notes:
1. Nozzle ratings imply XX gpm at 100 psi (7barg) nozzle inlet pressure.

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P&ID



Note: Options for PCV, PI, heater, and insulation incorporated.

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