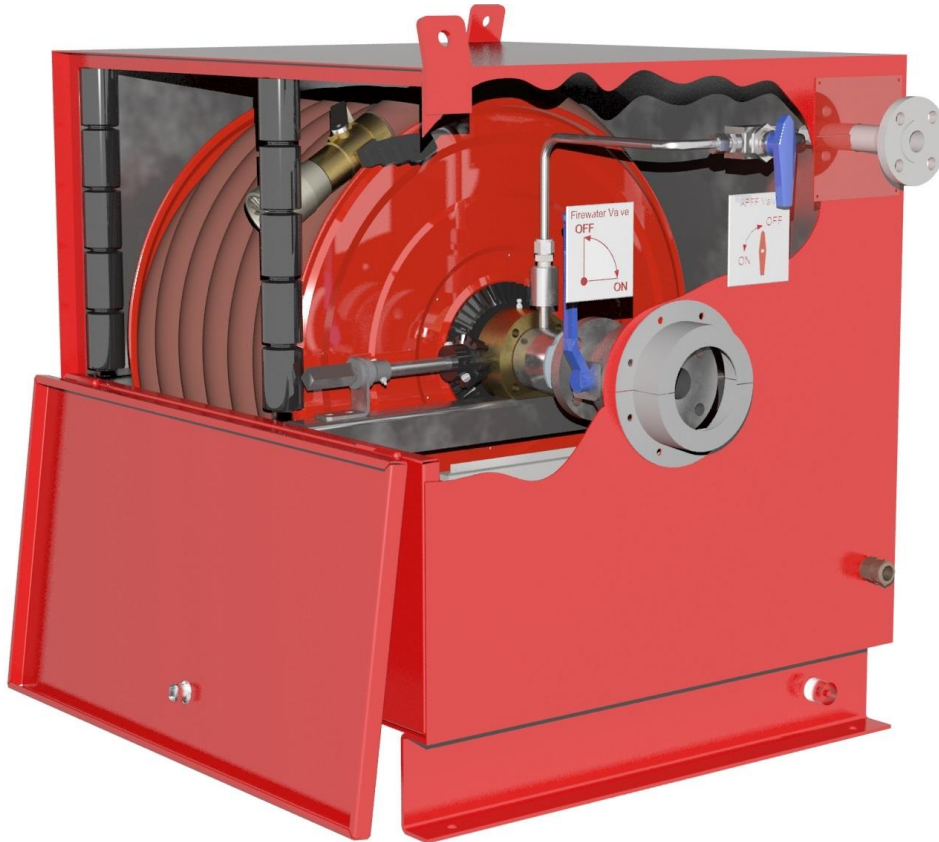


FHR-03 – Hose reel w/ Pressurized Foam Supply



FHR-03 – HOSE REEL WITH PRESSURIZED FOAM SUPPLY

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 5400 (1¼" & 1½")
Hand Crank:	SST AISI 316, 1:3 gear ratio
Water Flow Control Valve:	Titanium gr. 2
Foam Proportioner *:	SST AISI 316
Foam Pipe or Tubing:	SST AISI 316

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

FHR-03 – Hose reel w/ Pressurized Foam Supply

Installation

Mount: Bolted to a hose reel high stand.

Operation

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

Foam: Open foam valve. This hose reel model requires pressurized foam concentrate from the installations foam ring main system. Both water and foam inlets have flow control valves that accurately regulate their respective flow to a pre-set figure. The flow valves are calibrated such as to give an accurate 1% or 3% foam induction rate.

Options

- Piping:
- Cunifer CU 90/10 w/ Alubronze valve
 - Super Duplex Stainless Steel
- 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.)
- Water Flow Control Valve:
- Alubronze
 - Super Duplex SS

Working pressure: 20 barg (290 psig)

Test pressure: 30 barg (435 psig)

FHR-03 – Hose reel w/ Pressurized Foam Supply

Table 1: FHR-03-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-03-32	1 ¼ x 30 – 45*	650	870	750	200
FHR-03-40	1 ½ x 30	650	870	750	200

* Hose length according to project's requirements

Table 2: FHR-03-XX Flow Data

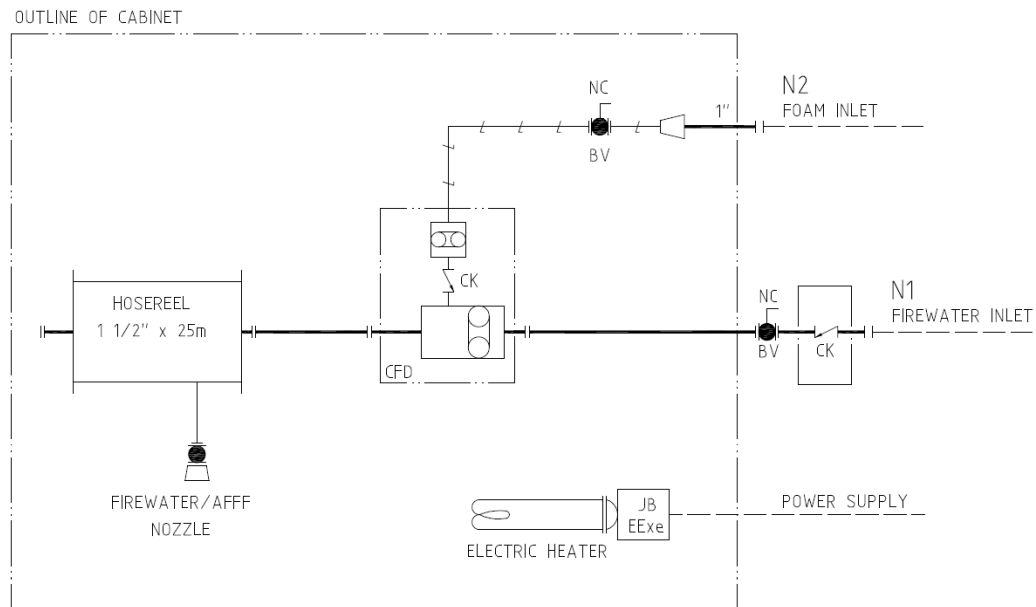
Hose reel Inlet Pressure	FHR-03-32 w/ 95 gpm nozzle	FHR-03-40 w/ 95 gpm nozzle
barg (psig)	lpm (gpm)	lpm (gpm)
6 (87)	247 (65)	284 (75)
8 (116)	286 (76)	325 (86)
10 (145)	320 (84)	360 (95)

Notes:

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

FHR-03 – Hose reel w/ Pressurized Foam Supply

P&ID



Note: The heater option is included in this design