

HDF -03 Hydrant Cabinet w/ Pressurized Foam Supply



HDF-02 – HYDRANT CABINET WITH PRESSURIZED FOAM SUPPLY

Standard material

Cabinet:	SST AISI 316, painted externally
Piping:	Titanium gr. 2
Valves:	Titanium gr. 2
Nozzle:	Bronze
Hose:	4 ea. 1.5" x 15m Guardman
Proportioner:	2 ea. Bronze
Foam Supply Piping:	SST AISI 316

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QA Certificate no: 2001-OSL-AQ-7140



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Installation

Mount: Bolt to Deck

Operation

Water Only: Remove and uncoil hose laying it smoothly on the deck. Connect to nozzle and hydrant valve. Keep nozzle closed and slowly open hydrant valve to fill hose prior to operation.

Foam: Open foam valve.

Options

- Piping:
- Cunifer CU 90/10 w/ Alubronze valves
 - Super Duplex Stainless Steel
- Cabinet:
- Inlet on left or right side
 - Door swing right or left
 - Insulation
 - Heater (Zone 1 Certified)
- Hose:
- Size and Length*
 - Hose Couplings
- Nozzle:
- Project Preference
- Mount:
- Seal weld w/ 309 filler wire (316SS to C.S.)

* Modifying the hose size and length may increase the size of the cabinet.

Working pressure: 20 barg (290 psig)

Test pressure: 30 barg (435 psig)\

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Table 1: HDF-03 Dimension and Weight Data

Type	Cabinet Length (mm)	Cabinet Height (mm)	Cabinet Depth (mm)	Dry Weight (kg)
HDF-03	700	1400	700	200

Table 2: HDF-03 Flow Data

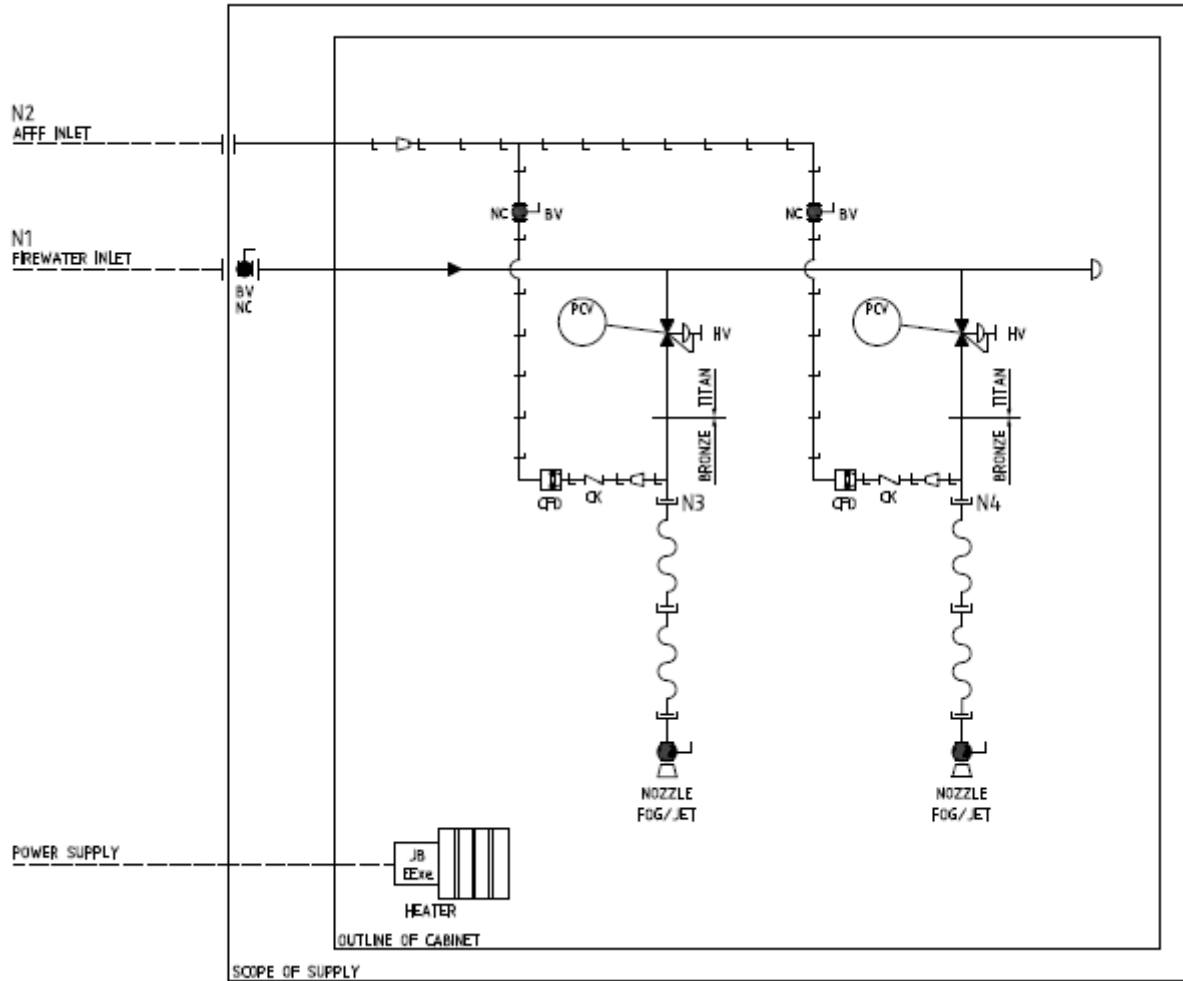
Hydrant Inlet Pressure barg (psig)	HDF-03 w/ 95 gpm nozzle lpm (gpm)	HDF-03 w/ 125 gpm nozzle lpm (gpm)
	6 (87)	283 (75)
8 (116)	327 (86)	393 (104)
10 (145)	366 (97)	439 (116)

Notes:

1. Calculated with a single 15m hose and hydrant valve fully opened (i.e. non-pressure regulated).
2. Nozzle ratings imply XX gpm at 100 psi (7barg) nozzle inlet pressure.
3. FPE recommends the nozzle be safely operated between 7 barg (100 psig) and 3.5 barg (50 psig) to limit reaction forces while ensuring adequate flow.

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P&ID



Note: The heater is an option.

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