HDF -01 - Hydrant Cabinet w/ Foam Tank and Inductors

HDF-01 – HYDRANT CABINET WITH FOAM TANK AND INDUCTORS

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
Inductor:	2 ea. Brass
Foam Tank:	SST AISI 316, (XX liters (YY gallons))

FPE AS
PO Box 142
N-4065 Stavanger
Norway

Office Address :
Kanalarmen 12,
N-4033 Stavanger

E-mail: post@fpe.no

Telephone : 51 95 92 92
Faximile :51 95 92 91
Enterprise No: 981 990 374
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: Assemble inductor to hydrant valve and open foam valve. Proceed as directed with water only application noting hose will connect to inductor outlet.

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-01 Dimension and Weight Data

Type	Cabinet Length (mm)	Cabinet Height (mm)	Cabinet Depth (mm)	Dry Weight (kg)
HDF-01	700	1680	700	250

Table 2: HDF-01 Flow Data w/o Inductor

Hydrant Inlet Pressure barg (psig)	HDF-01 w/ 95 gpm nozzle lpm (gpm)	HDF-01 w/ 125 gpm nozzle lpm (gpm)
6 (87)	294 (78)	360 (95)
8 (116)	340 (90)	414 (109)
10 (145)	380 (100)	463 (122)

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.

Table 3: HDF-01 Flow Data w/ Inductor

Hydrant Inlet Pressure barg (psig)	HDF-01 w/ 95 gpm nozzle lpm (gpm)	HDF-01 w/ 125 gpm nozzle lpm (gpm)
6 (87)	237 (63)	290 (77)
8 (116)	274 (72)	334 (88)
10 (145)	307 (81)	375 (99)

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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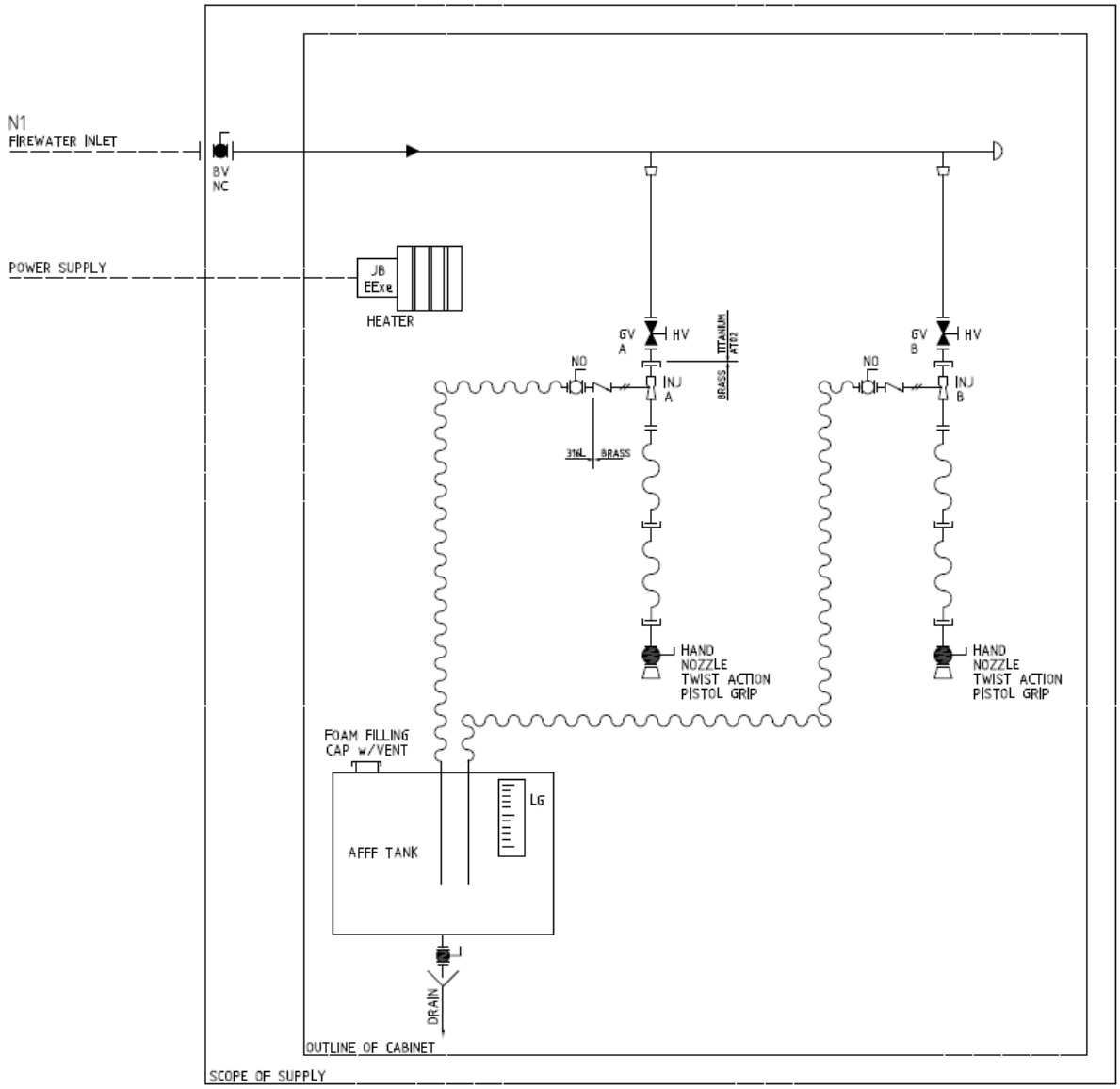
P&ID



Note: The heater option is included.

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