

## HD-03 – Hydrant Cabinet with integrated hose reel



### HD-03 – HYDRANT CABINET W/ INTEGRATED HOSEREEL

#### Standard material

Cabinet:	SST AISI 316, painted externally
Piping:	Titanium gr. 2
Valves:	Titanium gr. 2
Nozzles:	Bronze
Hosereel:	SST 316
Hydrant hose:	4ea. 1.5" x 15 m Guardman
Hosereel hose:	25m of 1 1/4"

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QA Certificate no: 2001-OSL-AQ-7140



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### Installation

Mount: Bolt to Deck

### Operation

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.

Alternatively, un-coil required length of hose from hose reel, open nozzle and start operation.

### 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: HD-03 Dimension and Weight Data**

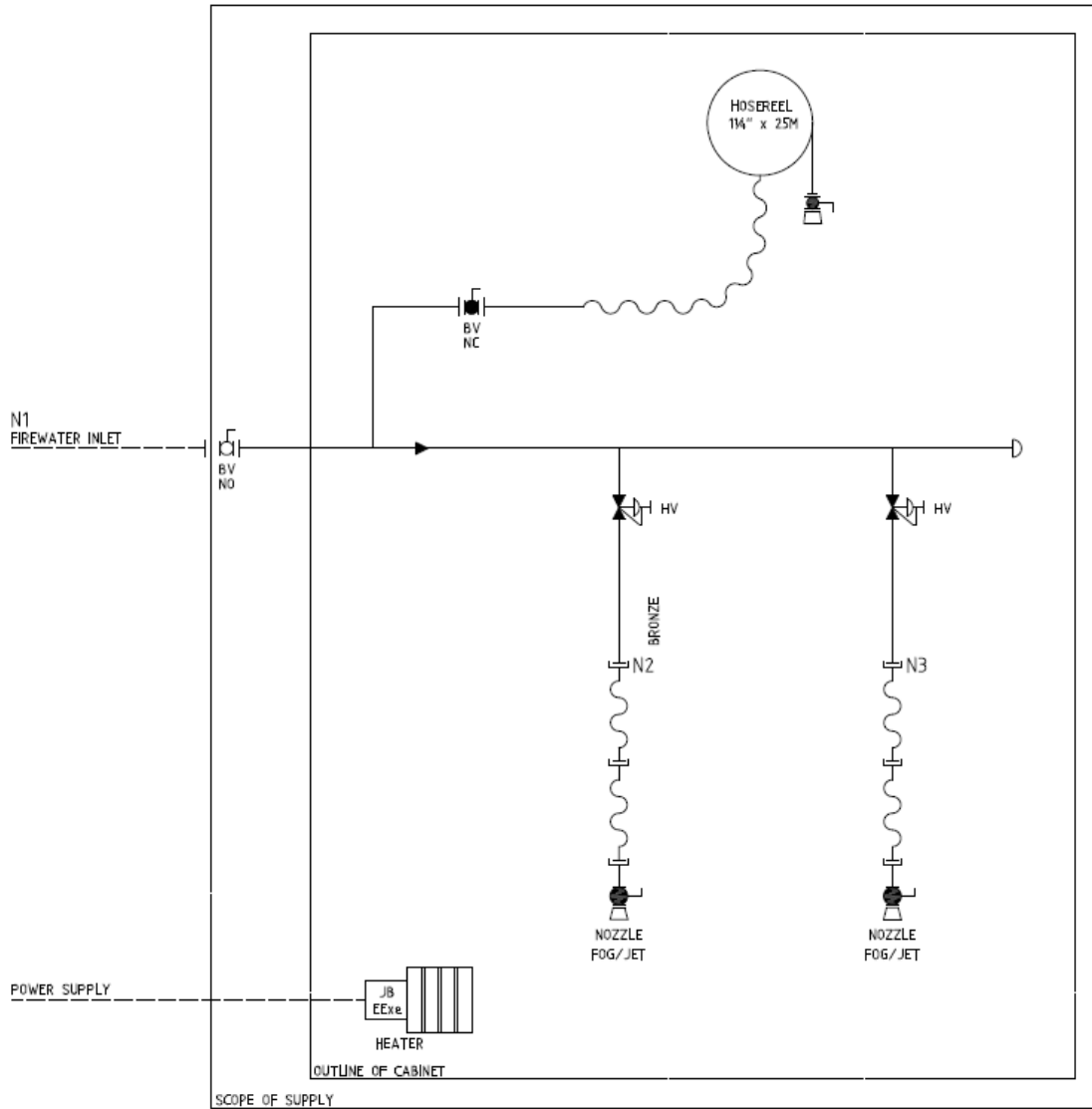
Type	Cabinet Length (mm)	Cabinet Height (mm)	Cabinet Depth (mm)	Dry Weight (kg)
HD-01	1000	1960	600	560

**Table 2: HD-03 Flow Data**

Hydrant Inlet Pressure  barg (psig)	Hose reel w/ 60 gpm nozzle  lpm (gpm)	HD-01 w/ 95 gpm nozzle  lpm (gpm)	HD-01 w/ 125 gpm nozzle  lpm (gpm)
6 (87)	164 (43)	283 (75)	340 (90)
8 (116)	190 (50)	327 (86)	393 (104)
10 (145)	211 (56)	366 (97)	439 (116)
<p>Notes:</p> <ol style="list-style-type: none"> <li>1. Calculated with a single 15m hose and hydrant valve fully opened (i.e. non-pressure regulated).</li> <li>2. Nozzle ratings imply XX gpm at 100 psi (7barg) nozzle inlet pressure.</li> <li>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.</li> </ol>			

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### P&ID



Note: The heater is an option.

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