

HOSE CONTAINERS HC TYPE FOR SS SYSTEMS

OPERATING AND MAINTENANCE HANDBOOK

MOUNTING INSTRUCTIONS

HC type hose containers are designed for fixed installation to be used in combination with the HB type high backpressure foam makers for injection of the foam from the bottom into fixed roof tanks or floating roof tanks (Sub Surface Systems).

The HC type hose containers are used when the foam is not suitable for passing through the flammable liquid inside the tank (protein foam compounds).

Generally the HC type hose containers are mounted at the base of the side wall of fixed roof tanks or floating roof tanks (sketch A19 7003/04Q).

OPERATION OF HB HIGH BACKPRESSURE FOAM MAKERS

The foam premix pressure is sufficient for the operation of the HC type hose containers.

Working pressure : min.5 bar at hose container inlet.

MAINTENANCE

- after each intervention:

- substitute the flexible hose and the bursting disc
- flush the hose container with clean water in order to eliminate any foam residual
- check the proper working of the check valve on the hose container

- every six months:

- check the foam makers on their integrity.
- check the proper working of the check valve on the hose container

MOUNTING INSTRUCTIONS OF THE HC HOSE CONTAINER

MOUNTING OF THE SYNTHETIC FLEXIBLE HOSE INSIDE THE HC HOSE CONTAINER

For transport purpose, the synthetic flexible hose is rolled inside the HC hose container and is held in position with sponge rubber (see dwg. A).

Attention: before installing the HC hose container on the tank, the sponge rubber has to be removed and the synthetic flexible hose has to be folded as indicated in the following.

A not correct installation procedure will cause the damaging of the synthetic flexible hose and a disfunction of the HC hose container!!!

Before installing the HC hose container:

- Remove the sponge rubber filling (dwg. A)
- Unroll the synthetic flexible hose outside the hose container as shown in dwg. B, C
- Fold the synthetic flexible hose and introduce it back in the HC hose container as shown in dwgs. D, E
- Mount the graphite bursting disc as indicated in the following.

MOUNTING OF THE GRAPHITE BURSTING DISC ON THE HC HOSE CONTAINER

After positioning of the synthetic flexible hose inside the HC hose container, mount the graphite bursting disc on the outlet flange as follows (dwg. F, G, H):

- The bursting disc is very precisely tolerated, so it has to be smoothly introduced in its seat and put in position by means of a rubber hammer (dwg. F, G).
(Attention: the bursting disc is very fragile and can be easily damaged!).
- In its final position, the surface of the bursting disc must be on the same plane with the surface of the outlet flange (dwg. H).

MOUNTING OF THE GRAPHITE BURSTING DISC ON THE HC HOSE CONTAINER

F - HC hose container outlet flange

F1 - Graphite bursting disc

G - Rubber hammer

H - Graphite bursting disc after mounting

MOUNTING INSTRUCTIONS OF THE SYNTHETIC FLEXIBLE HOSE INSIDE THE HC HOSE CONTAINER

A- Flexible hose (rolled)

B- Sponge rubber filling

C- Hose (unrolled)

ATTENTION! PACKING CONDITION ONLY FOR TRANSPORT

HC HOSE CONTAINER IN OPERATING CONDITIONS

D - Folding of the flexible hose

E - Flexible hose fold inside the hose container and ready for operation.

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