

Online Tank Services

Maintaining the integrity of your installation with minimum downtime

REMOTE CONTROLLED CANNONS

BLASTING SLUDGE CLEAN AWAY

A.Hak innovative spray gun unit with non-entry system does away with the need for the risky manual cleaning of product storage tanks. Self-contained, with a cleaning lance, a HD video camera and a spotlight, the spray gun is mounted on a shell or roof manway of the tank, for easy, automated access to the sludge build-up within. Also included in the container are a pump generator, operating and control room, service and hydraulic unit.



**Multiple services, singular solutions
for the Oil, Gas & Petrochemical Industry**

SPRAY CANNON – FOR STATE-OF-ART CLEANING OF PRODUCT STORAGE TANKS

The mobile, automated inside tank cleaning system using the innovative spray gun unit is a highly valuable alternative to the previously common practice of manual cleaning, which involves high safety risks and major physical and mental strain for the personnel.

The spray cannon:

- Replaces manual cleaning
- Minimizes safety hazards
- No personnel inside the tank
- Reduces cleaning times.

The spray cannon unit comprises a cleaning lance, a HD video camera and a spotlight. It is mounted on a shell or roof manway of the tank. It can be swivelled both horizontally and vertically through 180°.

The remote controlled cannon system consist of a container with four compartments; pump room, engine room, hydraulic room (storage room for the spray cannons and hose reel during transportation) and a control and operating room. The engine supplies power for the high pressure pump and the hydraulics which powers the cannons. A small generator supplies power for the control room.

The complete cleaning process is controlled and performed from the control room inside the control container. It is also possible to document the cleaning process by storing it on an external memory source using the recorder which is part of the standard supply package.

UNIQUE FEATURES

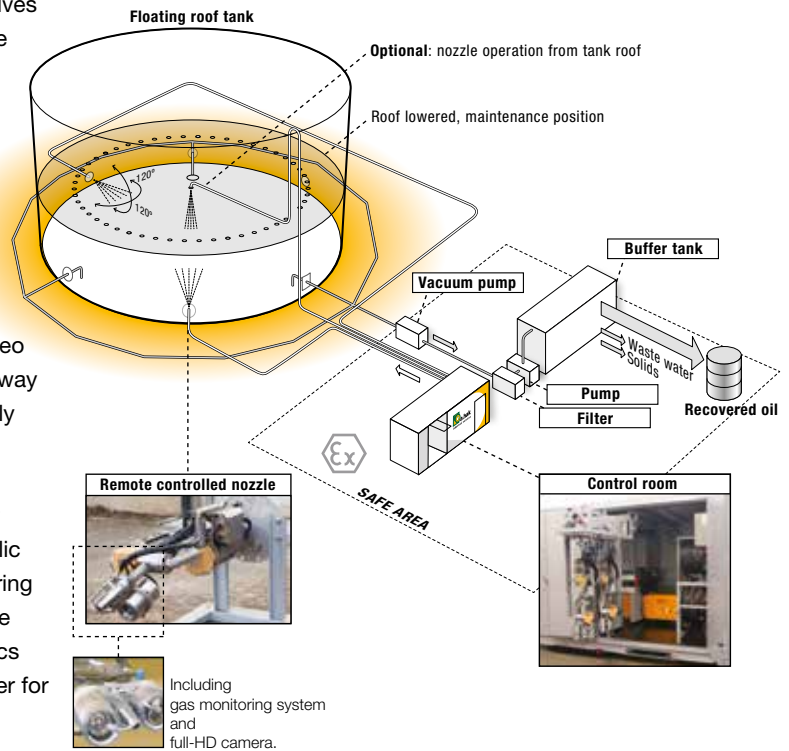
- Usable in an explosive atmosphere
- Large cleaning angle (0° to 180° in both horizontal and vertical plane)
- Roof- and wall-mountable
- Easy and safe remote monitoring
- Low operating costs

APPLICATIONS

Cleaning of mineral oil, heavy fuel oil and chemical tanks with a maximum diameter of 100 meters.

PERFORMANCE DATA

- Pumping rate: 55m³/h
- Operating pressure: max. 40 bar
- Fluid: Oil, Diesel, water, extremely flammable fluids, chemicals
- Maximum fluid temperature: 70°
- For storage tanks with a diameter of 30 m up to 100 m



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