TECHNICAL DATA

VSH1230 / VSH200
DN4 PILOT HOSE

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The technical data described herein is for components of the Viking VSH200 and VSH1230 Clean Agent Systems.
Visit the Viking website for the latest edition of the technical data and system manuals.

1. DESCRIPTION

Viking VSH1230 and VSH200 Fire Extinguishing Systems utilize pilot hoses to connect the valve of the master extinguishing agent cylinder and the pneumatic release devices of other extinguishing agent cylinders; two (2) pneumatically actuated release devices; or the pneumatic release device (PAE) and the pneumatic pilot pipes of multi-zone systems.

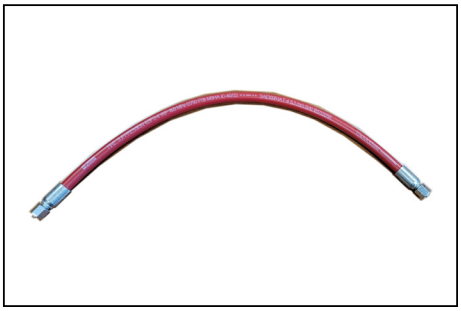
2. LISTINGS AND APPROVALS

UL Listed* - EX5248

ULC Listed* - EX5248

FM Approved: Clean Agent Fire Extinguishing System

*Listed as a component of a VSH1230 and VSH200 Clean Agent Fire Extinguishing System



3. TECHNICAL DATA

Specifications

- Operating Medium: FK-5-1-12, HFC-227ea
- Nominal Diameter: 1/16” (DN4)
- Operating Temperature Range: 0 ºF to 122 ºF (-18 ºC to 50 ºC)
- Minimum Bend Radius: 4” (100 mm)
- Working Pressure: 2,321 psi (160 bar)
- Test Pressure: 3,481 psi (240 bar)
- Burst Pressure: 6,962 psi (480 bar)
- Ferrule: AOL Conical Nipple 24° with O-ring (DKOL)

Material Standards

- Rubber hydraulic hose with galvanized steel ends
- M12x1.5 Union (2)

Ordering Information: Refer to Table 1.

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

TABLE 1: PART NUMBERS

Description Pilot Line Hoses		Part No.*	Weight lbs (kg)
VSH1230/ VSH200	24” (600 mm) long	24463	0.44 (0.2)
	39” (1,000 mm) long	24464	0.66 (0.3)
	59” (1,500 mm) long	24465	0.88 (0.4)

*Interchangeable with part numbers 887834, 887835 and 887836

4. MAINTENANCE

Always check pilot hoses during routine maintenance, for any residue and clean if necessary. Only use clean pilot hoses in the system. Contaminated pilot hoses can cause the system to malfunction. This can cause severe injuries and significant material and system damage.

i ***Due to deterioration of the material, the hose must be replaced by a new one at the latest after 10 years. See marking “date of manufacture” (month/year) on the hose.***

1. Check the hose visually for external damage, corrosion at the armatures, cracks in the plastic coating and fouling.
2. Remove fouling with a damp cloth.

i ***Cleaning agents that attack plastics, rubber, or metals must not be used under any circumstances.***

3. In case of damage, corrosion or cracks replace the hose immediately.

i *A repair is **NOT** recommended.*

4. Check that the hexagonal cap nuts are tight and retighten by means of a suitable tool or spanner if necessary.
5. Check that the bending radius of the hose is greater than the minimum bending radius.
6. Check that the hose is fitted without torsion.

If the hose must be replaced, follow the steps below for disassembly:

1. Loosen one of the hexagonal cap nuts slightlyby means of a suitable tool or spanner (turn counterclockwise).
   ⇨ If a hissing sound can be heard there is a residual pressure in the hose.
2. Wait until the hose is depressurized
3. Loosen the hexagonal cap nut completely and also the second hexagonal cap nut by means of a suitable tool or spanner (turn counterclockwise).