

SPRING HOSE

[Model Number: E-SP]

Precautions for Use



Please make sure to read following instructions in order to use HAKKO EIGHTON products safely.

- E-SP is made of soft vinyl chloride. Depending on the kinds of chemicals, concentration, and temperature, E-SP might swell, melt, or harden.
Please make sure to check the chemical resistance data of our general catalog and our corporate website.
- Please do not use HAKKO EIGHTON products for applications of food or medical treatments.
- Please comply with the use conditions mentioned in our catalog such as working pressure, temperature, and minimum bend radius.
- Please do not bring the hoses close to fire or heat sources.
- In cutting the hose, the cross-section must be perpendicular.
- For hose fittings, please use HAKKO original fittings [EIGHTNIPPLE SERIES]. For more information on HAKKO original fittings, please take a look at general catalog and corporate website.
In case you use other manufacturers' fittings, it may lead to the fluid leakage, coming off from the fittings, and the bursting of the hose. Unavoidably, if you use the joints other than HAKKO original fittings, please use the joints to seal an inner surface of the hose. Please do not use the joints to seal an outer surface of the hose.
Any problems occurred by using other manufacturers' fittings are not guaranteed.
- Please use the fittings which have the barbed R on the nipples. Please do not use the fittings which have scratches or rust on the surface of the nipple. Inner surfaces of the hose may be damaged and it may cause the hose to rupture or leak.
Please use the flat hose clamps required for the hose specifications. Please do not use wires or do not tighten excessively with wires.
- Hoses made of soft vinyl chloride should not be contacted with resins (PS and ABS etc), which contains styrene, and moldings which are made of hard vinyl chloride resin.
Components of soft vinyl chloride may move to moldings, leaving marks behind and resulting in danger of deterioration.
- Please do not apply unreasonable force such as kinking and pulling to the hoses.
- Hoses are greatly affected by use conditions and environments. In case hoses are used outdoor, the surface of the hoses will be damaged and the quality will deteriorate quickly, compared with ones used indoor.
The conditions of the hoses and fittings should be inspected regularly. If something unusual things listed below occur, stop using the hoses immediately and replace them with new ones:
 - Abnormal Appearance... Tear, Scratches, Swelling, Crack, Curve, Deformation, and Exposure of Steel Wire due to Abrasion
 - The Bursting of Inner or/and Outer Layers of the Hoses, Hardening, Dramatic Change in Color, and Leaking Fluids
- E-SP-15, E-SP-19, E-SP-25, E-SP-32, E-SP-38, and E-SP-50 can be used in vacuum conditions, while E-SP-8, E-SP-9, E-SP-10, E-SP-12, E-SP-63, and E-SP-75 cannot be used in vacuum conditions.
- In cutting the hose, the steel wire might stick out at the cross-section of the hose. Please be careful not to get hurt on your hands.
When the spring wire sticks out, cut it off neatly with a nipper.
- Please make sure to ground steel wire. Without grounding steel wire, the steel wire will become suspended conductors to accumulate and discharge static electricity, resulting in danger of causing fire.
- E-SP does not eliminate the electricity which has already been charged to the fluid. Please make sure to take another approach to eliminate the electricity which has already been charged to the fluid.
- Please store the hose on the flat, smooth surfaces; otherwise, hoses may change its shape.
- Please do not expose the hose to direct sunshine, wind, or rain. Store the hose in the low humid, well-ventilated, cold, and dark places. If you leave the hose outside, this might lead to change its color and deteriorate.
- In case the hoses are stored, get rid of remaining fluids inside the hoses, clean up any dusts on the surface of the hose and avoid twisting/holding the hoses.
- Please store the hose on the flat, smooth surfaces; otherwise, its shape may change.
- Please do not expose the hose to direct sunshine, wind, or rain. Store the hose in the low humid, well-ventilated, cold, and dark places. If you leave the hose outside, this might lead to change its color and deteriorate.
- Please do not pile up the hoses in large quantity or place the heavy objects onto the hose. These will lead to change the shape.
- In case of disposing, follow the local governmental regulations.

For Your Inquiries and/or Questions

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