

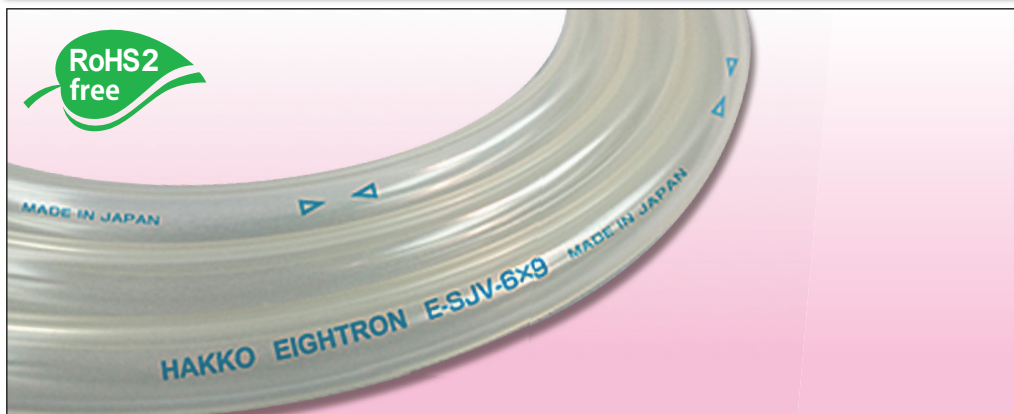
Multi-Purpose/Chemical Resistant Hose

Single-layer teflon tubing is hard and easy to break. Our Flexible Fluorine (ETFE) Resin Tubing is an alternative for a teflon tubing.

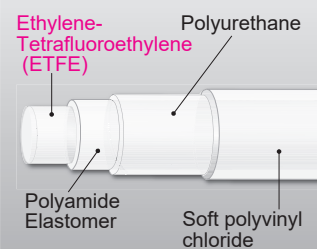
Flexible Fluorine (ETFE) Resin Tubing (PVC Type)

[Model Number: E-SJV-(I.D.×O.D.)]

Applications • Fluids

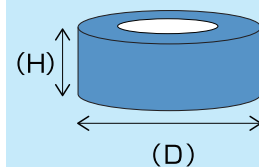


[Materials / Structure]



- For Painting Equipment, Organic Solvents for Printers, and Paints
- For Transferring Chemicals of Laboratory Equipment
- For Transferring Chemicals of Semiconductor-Related Equipment and Flat Panel Display (FPD) Manufacturing Devices
- For Transferring Beverage and Food
- For Transferring Alcohol, Cosmetics, and Chemicals
- For Filling Lines of Paints and Adhesives
- For Filling Lines of Aroma, Additives, and Coloring
- For Transferring Chemical Wastes

〔荷姿寸法〕



Standard • Packing Information

Model Number	Inch (Inside Diameter) (*1)	I.D. × O.D. mm	Working Pressure MPa		Minimum Bend Radius at 20°C mm	Temperature Range °C	Standard Length m	Product Weight kg/roll	Color	Packing Dimension(*2)			
			at 20°C	at 70°C						Packing	Diameter (D) cm	Height (H) cm	Weight/roll kg/roll
E-SJV-6×9	1/4	6 × 9	0 ~ 0.3	0 ~ 0.15	45	0 ~ 70	20	0.89	Clear	Plastic Bag	33	5.5	0.89
										Paper Bobbin	38.5	15	5.36
E-SJV-8×12	5/16	8 × 12	0 ~ 0.3	0 ~ 0.15	55	0 ~ 70	20	1.58		Plastic Bag	35.5	8	1.58
										Paper Bobbin	46	16	9.07

*1: Please note that inch size is approximate, which is not equal to millimeter.

*2: "Diameter (D)" × "Height (H)" means "External Dimensions of Cardboard Box (D)" × "Height (H)."

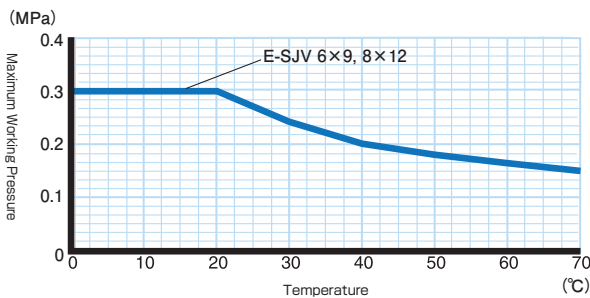
Characteristics and Functions

- Non-Adhesiveness
- Chemical Resistance
- Solvent Resistance
- Low Elution
- Low Odor
- Food-Sanitization
- Transparency
- Flexibility
- Oil-Proof
- Alcohol Resistant
- Cold Resistance

- Chemical Resistance**...Since the inner layer is made of ETFE fluorine resin, E-SJV is resistant to most of the chemical substances.
- Flexibility**...Due to the multi-layer structure, E-SJV is more flexible than E-SJ, improving work efficiency.
- Hard to Break**...Unlike the conventional single-layer fluorine tubing, E-SJV is hard to break. (Even if it breaks, you can restore its shape to some extent.)
- Non-Adhesiveness**...Since fluorine resin is superior in water-proof and non-adhesiveness, you can wash out the fluids very easily.
- Easy to Cut**...Since we print the cut mark on the tubing every meter, it is easy to cut the length you would like to.
- Transparency**...E-SJV enables you to check the fluid very easily.
- Green Procurement**...E-SJV is compliant with RoHS2 requirements (directive 2011/65/EU:RoHS2). (RoHS 2 free products mean that they do not contain or below the threshold of 10 substances.)
- HAKKO Original Fittings**...By using our original fittings, you can avoid accidents which are caused by incorrect choices of hose and fittings.
- Food Sanitation**...E-SJV conforms to the Food Sanitation Standard No.370 (The Ministry of Health and Welfare for Food Sanitation, No.370, 1959). (Conformity to N-Heptane). Please contact us regarding the conformity of "Partial Revision of the Food Sanitation Law" (Effective on June 1, 2020) and Positive List System (PL).

Technical Information

E-SJV : Relationship between Working Temperature and Maximum Working Pressure



* The above graph is the value when our original fittings are used.

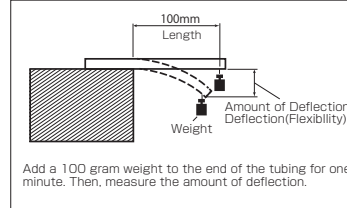
(Flexibility Comparative Data)

- This is one indication of flexibility. Flexibility varies depending on hose (tubing).
- The larger the amount of deflection is, the more flexible the hose (tubing) is.
- ※The lower the minimum bend radius value is, the harder the hose (tubing) is.

(Test Temperature:20° C)

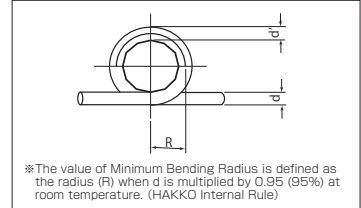
Test Sample	Minimum Bend Radius (mm)	Amount of Deflection (mm)
E-SJV-6 × 9	45	40
E-SJ-6 × 9	35	17
E-SJV-8 × 12	55	19
E-SJ-8 × 12	50	8

· Test Method for Amount of Deflection (Flexibility)



Add a 100 gram weight to the end of the tubing for one minute. Then, measure the amount of deflection.

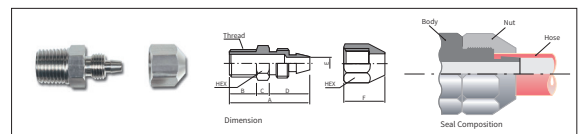
· Test for Minimum Bend Radius



※The value of Minimum Bending Radius is defined as the radius (R) when d is multiplied by 0.95 (95%) at room temperature. (HAKKO Internal Rule)

HAKKO Original Fittings

Model Number	Body						Nut		Weight Gram/Piece	
	A	B	C	D	E	Thread	HEX	F		HEX
E-FTS-6 × 9-R-1/4	35.5	12	5	18.5	5.5	R1/4	17	18.5	17	44
E-FTS-8 × 12-R-3/8	41	13	7	21	7	R3/8	19	21	19	63



Material: 316 L Steel Use Stainless (Body) and 304 Steel Use Stainless (Nut)

- ⚠ *Due to the laminated structure tubing, 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. This may result in the bursting or coming off from the hose.
- *When you use our products, please refer to "Precautions for Use" available on our webpage and product catalog.
- *In terms of chemical resistance, please refer to "Chemical Resistance Data" available on our webpage and product catalog.
- *Although the inner layer is made of fluorine, please make sure whether or not E-SJV is usable for high purity fluids before you use.
- *Although the inner layer is resistance to fluids, but depending on working environments, the fluids would be permeated through the inner layer, resulting in the danger of swelling and degradation of the middle or outer layer.

Contact us if you have any inquiries about HAKKO products.

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HAKKO CORPORATION

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