



Transparent safety cover to protect piping.

GREEN COVER

PATENT No. 4034819



TOKYO NISSHIN JABARA CO., LTD.

TOKYO, JAPAN TEL : 03-3252-2947

FAX : 03-3256-7827

<http://www.green-tnj.co.jp>

Green Cover

for installed pipe connections, which is epoch-making and gentle to the earth.



● Type and size of Green Cover:

1. Standard manufacturing size ranges from 20A(3/4") to 300A(12") as shown in the tables, and for other types and sizes please consult with the manufacturer.
2. Piping type(resin slip on type, metal welding neck type, lining piping or piping with insulation) to be installed with the cover shall be clarified to the manufacturer because manufacturing size of the cover depends on type.
3. Almost all shapes of the cover can be manufactured, however, the cover for places where the band is hard to be used is out of manufacturing range.
4. The cover fabrication shall be started after your approval of the drawings submitted when our quoting or your ordering.

Features:

1. Easy installation because of having a sliding fastener bonded.
2. Easy interior inspection due to transparent film used.
3. No anxiety of breakage due to thermal contraction of piping caused by temperature differences because of thinner film used.
4. High resistance to almost chemicals except special chemicals and some solvents because of being made of fluorine resin film. Also superior resistance to the temperature between -20°C and 150°C, and excellent weatherability.

■ Type and Size

● FLANGE COVER

Code No. F	
Fm	

● STRAIGHT COVER

Code No. S	
----------------------	--

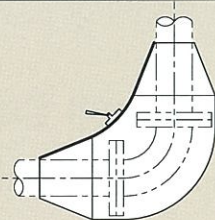
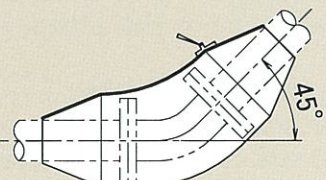
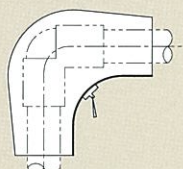
Green Cover has been developed for the purpose of temporarily preventing a leakage of fluid from pipe connections which is thought to cause environmental pollution such as atmosphere contamination and water dirtiness and so forth. The cover is made of transparent fluorine resin film with a fastener which makes it possible to install to the installed piping, and is made into various kinds in shape and size.

The cover has already been adopted and equipped to the piping in many chemical manufacturing works, semiconductor factories, oil refineries, fire and atomic energy power plants, iron works, and other works overseas as well as in Japan.

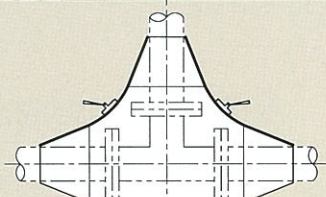
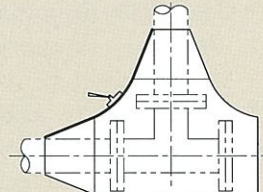
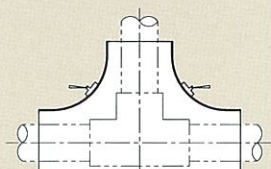
It is surely said that Green Cover has been contributing much to the world as a preventive measure against environmental pollution.



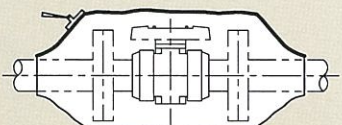
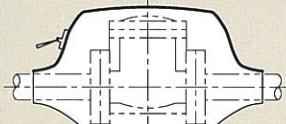
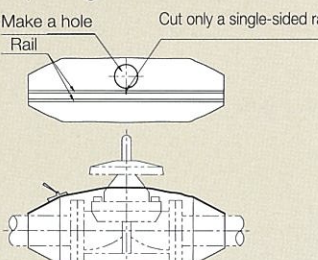
● ELBOW COVER

Code No. EF	
EF45	
E	

● TEE COVER

Code No. TF	
TFm	
T	

● VALVE COVER

Code No. BvF	Ball valve 
CvF	Check valve 
DvF	Diaphragm valve Make a hole Rail 

GREEN COVER

Material characteristics:

●Transparent fluorine resin film

Specific gravity	(kgf/cm ³)	1.78
Tensile strength	(kgf/cm ²)	230~315
Elongation	(%)	460~500
Tensile elastic rate	(kgf/cm ²)	800~990
Tearing strength	(kgf/cm)	110~120
Reaction elasticity	(%)	28~35
Compressive permanent distortion		medium
O ₂ penet. coefficient	(cc · mm/m ² · 24h,atm)	27
N ₂ penet. coefficient	(cc · mm/m ² · 24h,atm)	9
O ₂ index		54
Melting point	(°C)	162~165

Glass transfer temperature	(°C)	-25
Heat resolution temperature	(°C)	380
Max. operational temperature	(°C)	120~150
Min. operational temperature	(°C)	-7~-29
Water suction rate	(%)	0.04
Resistant to acid		Excellent
Resistant to alkali		Excellent
Resist to oil/solvent	Keton, Estel	Inferior
	Others	Excellent
Contamination		None

●Weatherability (tested by Sunshine Weathermeter)

Exposed hours	Remaining rate of tensile strength %	Remaining rate of tearing %	Remaining rate of 100% modulus %
1000h	96	102	99
2000h	96	104	102
3000h	96	103	102
5000h	90	98	103

Accessories:

Code No.	Description	Size/Unit
PSS-2355	Silicone sponge packing	t2.0×35mmW×5M(Roll)
TTG-2510	Teflon adhesive tape	t0.08×25mmW×10M(Roll)
GSI-135	Silicon adhesive	135g/tube
Band	Stainless steel (SUS304)	Any size is available

By using above accessories, Green Cover can thoroughly stop the leaked liquids from going out and rainwater from invading outside.

Necessary amounts of accessories shall be calculated and submitted by the manufacturer based on all types, sizes and quantities of Green Cover required.

(Note) Particular attention must be given to Green Cover to avoid leakage by pressurization and breakage by scratching as the cover is a thinner film.



When placing an order of Green Cover...?

Please let us know about the details of undermentioned items when placing an order.

1. Requisite type (Code No.) and numbers.
2. Whether accessories (packing, bands, tapes and adhesive agents) are required or not.
3. Delivery time, and the scheduled date to be installed.
4. Big and long size Green Cover which are not appeared in this catalogue due to out of our standards can be also manufactured. Please make inquiries to us.