

INNOVATIVE PROTECTION OF CARGO

AQ BAG

ถุงลมกันกระแทกภายในตู้คอนเทนเนอร์







Patented Code :
Japan 2089817
USA 5308163
China ZL93103071.4

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INNOVATIVE PROTECTION OF CARGO

			
SECURE CARGO Withstanding 10 tons by Air pressure	COST REDUCTION Over 20% cost saving by using Flat shape	QUICK & EASY 1 Person 1 Minute 1 Movement	ECO-FRIENDLY <u>Reduce</u> CO ₂ <u>Reusable</u> 100% <u>Recycle</u>
<ul style="list-style-type: none">· Flat surface secures whole cargo evenly· No more flat board· Quicker inflation time		<ul style="list-style-type: none">· No need separation work for disposal· Low MOQ : 50 - 100 pcs.· Short Lead Time (Made in Thailand)	

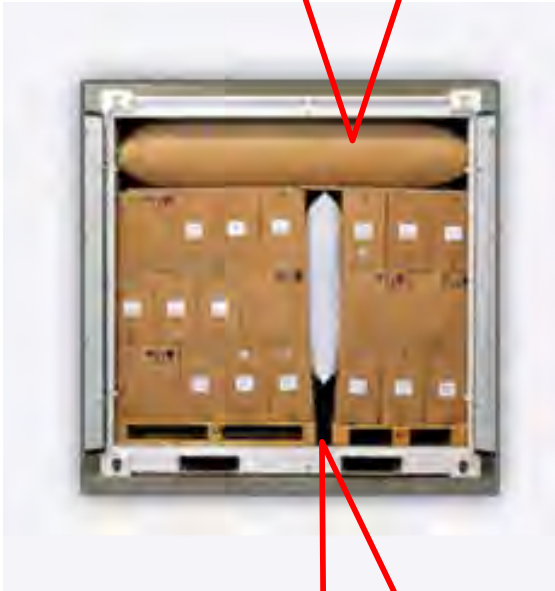
FLAT AIR DUNNAGE BAG IN ALL PLASTIC WITH FILM VALVE

OTHER AIR BAGS ARE.....



Paper, Hard Plastic, Film need separation work for disposal.

Pillow surface damage cargo



Pillow surface can not secure whole cargo

Co-installed flat board causes Costly, extra work, storage, CO2, Less securely hold whole cargo



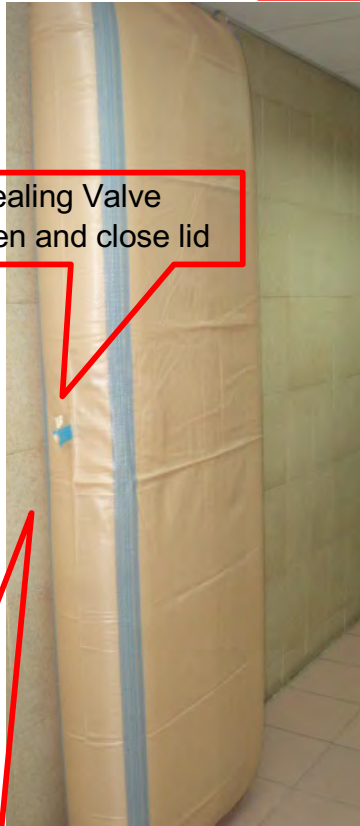
Special feature of *AQ Bag*

①
“Direct Cost Down”
★★★

Flat surface secures whole cargo by wider even force

No need Flat board

Film self sealing Valve without open and close lid



Valve at 1 m High is easy work for inflation



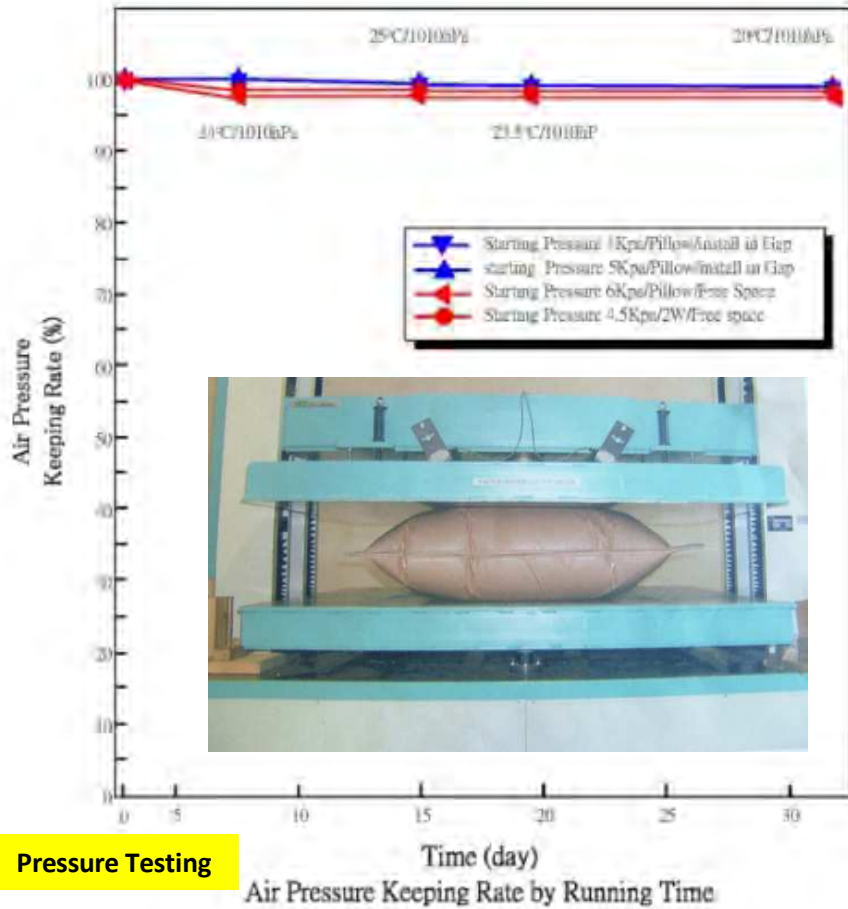
Nozzle Head
(Aluminum)



“ 2200 x 850mm Air Bag inflation work in **less than 1 minute.** ”

Guarantee by **Testing result**

Flat Type 2200 x 850mm size by 6Kpa air pressure can withstand **over 10,000 kgf**



Pressure Testing



Calculation Tips ...

0.01 kgf/cm² = 1kpa/cm². (Depends on contact area.)

Example ; Air Bags 2200 x 850mm

Assumes contact area = 90%

0.85 x 2.2 x 90% = 14960cm² x 6kgf = 100908.

Approximate 10 tons !

INTERNATIONAL TESTING SERVICE CO., LTD.		
Head Office 1213/388 Soi Ladpraw 94 (Panjarnit), Ladpraw Rd., Phlabphla, Wangthonglang, Bangkok 10310 Tel. 02-559-2095 Fax. 02-559-2096 E-mail: sale@itest-lab.com website: www.itest-lab.com		
TEST REPORT		
Test Report No.	R-T-1904-307	Issue Date: 02-May-2019
Client Name	[REDACTED]	
Address	88/1 MOO 8, T.NAGLANG SUNGNOEN DISTRICT NAKHORATCHASIMA 30380 THAILAND	
Part Name	OUTER BAG	
Part No.	-	
Part Description	-	
Material	PP WOVN FABRIC	
Color	-	
Customer	-	
Characteristics of sample	POLYMER	
Test Requested	In accordance with the RoHS Directive 2011/65/EU Annex II [amended by Directive (EU) 2015/863]	
Test Method	(1) IEC 62321-5 edition 1.0 : 2013 for Lead content.	

ROHS certifiacte

100% Quality Checking

Production in Korat Since 2019



Inflating check with pressure gauge



100% QC = Outer woven fabric,
100% QC = Inner bag , ilm, valve
QC 3% = 4kpa, Final air bag
QC 3 % = Air inflation to leave 24 hours



Raw Matt QC



②
"Operation Cost Down"
★★★

Manpower & Operation Cost down

PURCHASE REDUCTION: NO MORE COSTLY FLAT BOARD

Normal air bag inflated like pillow by air pressure may damage cargo.
Flat board is co-installed between air bag and cargo to avoid that problem.
Flat type air bag keep damage free without such boards.

Other protecting material as stretch film is saved.

MANPOWER REDUCTION:

- INSTALLATION: Self sealing Valve and the nozzle shorten inflation time.
Installation work for flat board is saved.
- DISPOSE: Deflate and flatten air bag only after unloading cargo.
- RECYCLE: Separation work free by 100% plastic made air bag.



AQ Bags

No Cardboard

Traditional Air Bags



Flexibility application

More ways to fixing pallet :

2.) Slim flat air bags for narrow gap.



1.) **Blocking or Fixing** at the Exit.



* Many reference case study.

REUSABLE , RECYCLABLE , + REDUCE & CO2

REUSABLE AIR BAG

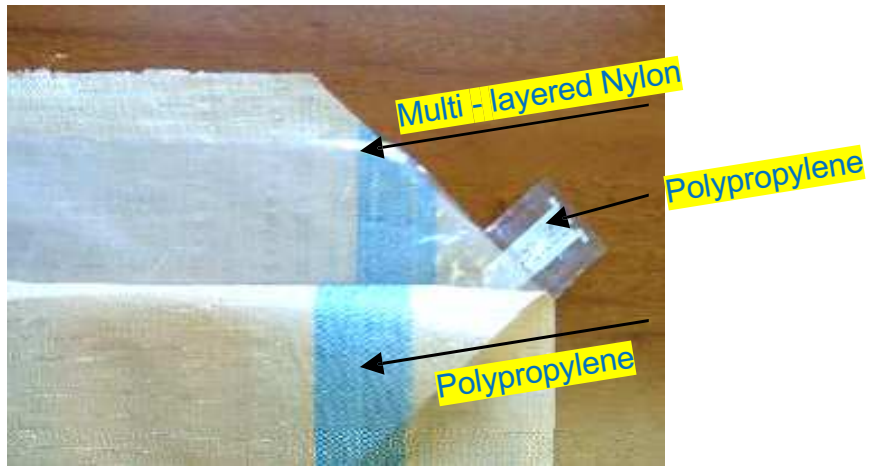
Plastic bag can clean and reuse many time.

RECYCLABLE

Valve, Inner bag and outer bag are all made by plastic, no need garbage separation work.

Reduce CO2

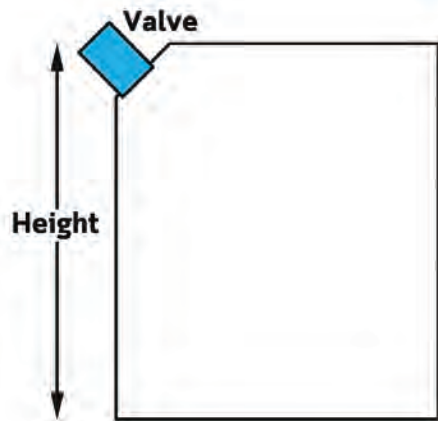
Environment Friendly



SPECIFICATIONS

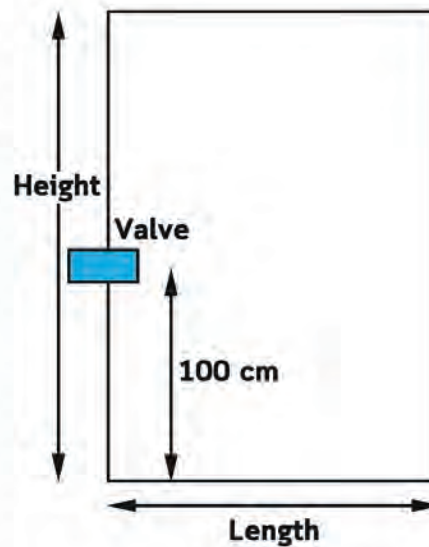
- Flat surface secures whole cargo evenly
- No more flat board
- Quicker inflation time
- No need separation work for disposal
- Low MOQ : 50 - 100 pcs.
- Short Lead Time (Made in Thailand)

DIMENSION & VALVE POSITION



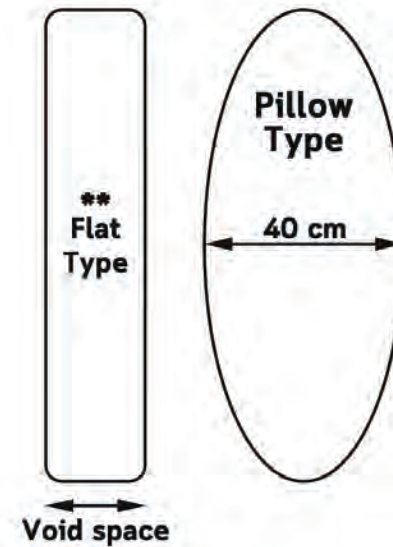
Less Than 160 cm
(Valve at corner)

H ; (All items)	Valve Position
120 cm	Corner
140 cm	Corner
160 cm	Corner
180 cm	Valve Heigh 100 cm at Side
220 cm	



Over 180 cm
(Valve Height 100 cm at Side)

L	P 97 cm
2 W	97 cm
3 W	85 cm
4 W	85 cm

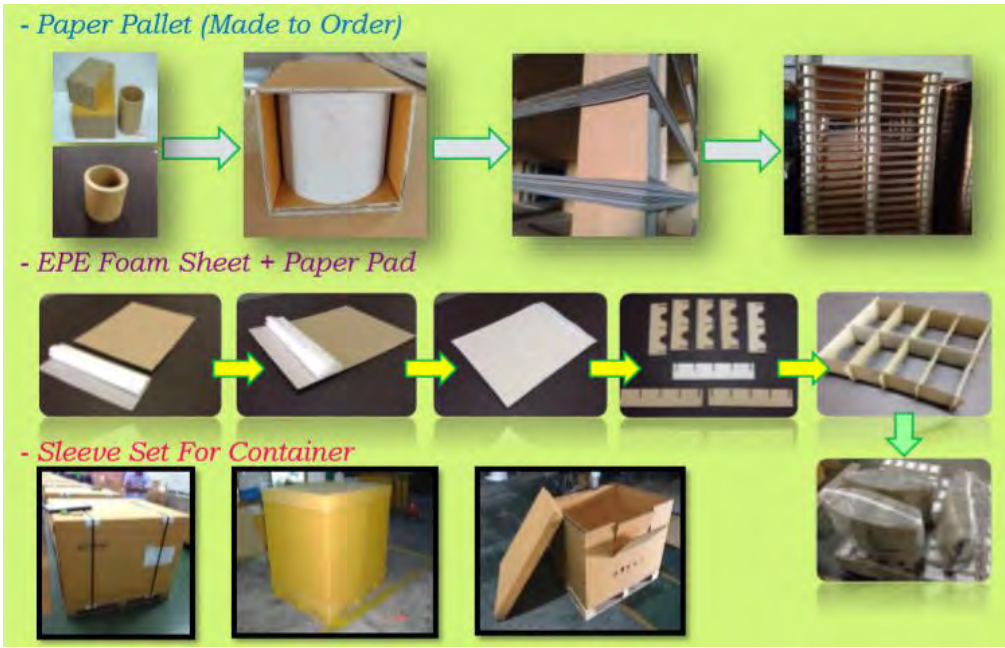


Flat Type	for more efficiency
2 W	20-35 cm
3 W	10-25 cm
4 W	5-15 cm



Logistic Packaging Material Provider

ALL About
"SOLUTION"



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Contact Us

Sales ; 085-443-6543 (Japanese , English)
Office ; 02-909-0081-3

- One Stop Service
- On – Quantity
- On –Time