

PRODUCT INTRODUCTION



www.durkeesox.com



100% injection
with no permeation



Permeation with injection

AIR DISPERSION SYSTEM

A flexible air dispersion system for the HVAC/R industry made of special high-tech fabric, replacing traditional air ducts, air valves, diffusers and insulation.



Stareast International Pty Ltd

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DurkeeSox® is a subsidiary of US registered DURKEE INTERNATIONAL INDUSTRY Ltd, a high-tech enterprise, with focus in the HVAC/R industry. As a manufacturing & servicing oriented organization, DurkeeSox® has established modern manufacturing centers, 3 sales and service centers (China, Asia and America). Being a world renowned fabric air dispersion system supplier, DurkeeSox® has become a dominant leading brand in the vast Asian market and globally.

As an advocate of precise air distribution conception for years, and armed with leading technology, high-tech fabric material, DurkeeSox® insists on using global top-level manufacturing technology and standard to produce the highest quality fabric air dispersion system products. It has acquired many national and regional standard quality certificates, such as, international QA system ISO9001: 2008, ISO14001, OHS18001, North American UL AJJ and Ac167 products certification, European EN testing, BS testing and China NFTC testing.

So far DurkeeSox® air dispersion system has been widely applied in various permanent and temporary applications such as supermarkets, sports, public facilities & events, food, electronic, automobiles, logistic etc. It's been consistently approved by countless renowned clients in more than 32 countries and regions, including Beijing Olympics, Shanghai World Expo, Carrefour, Tesco, Kraft, Nestle, McDonald's, Yale, Verizon, Foxconn, BMW, Volks-Wagen, Nissan, Toyota, Honda, Fiat, etc. All these successful applications have made DurkeeSox® the one of the international leading brand.

Driven by our strong and energetic team where any innovative ideas can promptly transfer into new products, our ongoing effort will strive for the optimum solutions for our clients.

DurkeeSox® supplies fabric air duct products and engineering services for many well-known organizations globally.



Australia • PRIMO Small Goods Facility
Australia • LION Food Factory
Australia • Melbourne Library
Australia • Calwell High School
Australia • Kathmandu Mechanical Factory
Australia • Smithton Milk Powder Facility
Australia • Woolston Printing Factory
New Zealand • Glycosyn Lab
Netherlands • OBS Convention Center
Netherlands • Bevez Production Showroom
Netherlands • Aquasana Swimming Pool
Netherlands • OCE Venlo School
Hungary • Autoszalon Workshop
Hungary • LEMO Workshop
Hungary • Victor(Y) Assembly Workshop
Hungary • Varroda Sewing Workshop

Europe/Oceania

India • 2010 Commonwealth Games
India • Kraft/Cadbury Food
India • Whirlpool, ALPLA Factory
India • Bc India 2011/2013 by RMB Events
India • SunGard Software Office
UAE • Carrefour FUJAI/RAH
UAE • Fitness First / MCC (Mirdif City Centre)
UAE • Caterpillar Warehouse
UAE • LMI Office
UAE • CWT/RSA Logistics
OMAN • Khimji Ramdas Warehouse
OMAN • Ministry of Defense Showroom
Mauritius • La Gaulette Commercial Centre
Kenya • Kenya TV Studio
Nigeria • Lecture Theater/Auditorium
Egypt • Misr International Plastic Factory

Asia/Africa

Saudi • Herfy Food
Kuwait • Kuwait Flour Mills Biscuit Factory
Pakistan • Carrefour Dolmen City Store
Pakistan • English Biscuit Manufactory
Thailand • Tesco Lotus Supermarket
Thailand • Carrefour Supermarket
Thailand • UNILEVER PCL
Indonesia • Nestle
Indonesia • BMG Group
Indonesia • Fitness First
Malaysia • Tesco Supermarket
Malaysia • Carrefour Supermarket
Philippines • Nestle
Philippines • Murata Electronic Factory
Philippines • SR Supermarket
South Korea • Agriculture Storage Room

Asia

China • 2008 Olympic Games
China • 2010 Shanghai World Expo
China • 2010 Asian Games Stadium
China • Water Cube
China • Carrefour
China • Tesco
China • IKEA
China • Kraft Food
China • Nestle
China • Sony-Ericsson
China • Bayer Lab
China • Nissan
China • IVECO Auto
China • Volkswagen
China • Foxconn
China • Ports

Asia

Yale University Lab
McDonald's Playground
BMW After-sales Service Shop
MGM Hotel
Verizon Switch Hub
New Life Church
Audi Showroom
U-haul Storage
Kraft food Baking Workshop
Kellogg's
Toyota Factory
Goodyear Tyre Factory
Toyota Showroom
OMNI Showroom
Church Basketball Court
Kraft Foods Brazil

America

WHY USE

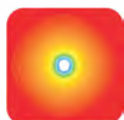
10 DISTINCTIVE FEATURES COMPARE WITH CONVENTIONAL DUCTWORK



DurkeeSox® Fabric Duct Air Dispersion system disperses airflow through fabric permeation and designed multi-row orifices to form a tridimensional air dispersion effect with great comfort, overall even airflow and precise air throw.



Multiple colors are available to compliment any indoor decor; meanwhile, the system as well as the color can be customized and individually designed.



Supply cooling air is permeated through fabric forming an air layer around fabric duct to result in no temperature difference between inside and outside; therefore no insulation is required to prevent condensation.



Due to easy and convenient installation and dismantlement methods the DurkeeSox® Fabric Duct System is very easy to wash. Improved IAQ meets higher healthy and environment-friendly requirements.



The DurkeeSox® Fabric Duct System uses flexible material operating at lower velocities so it does not generate noise or transmit resonance. A quiet system improves the environmental quality.



EVEN & COMFORTABLE



AESTHETIC



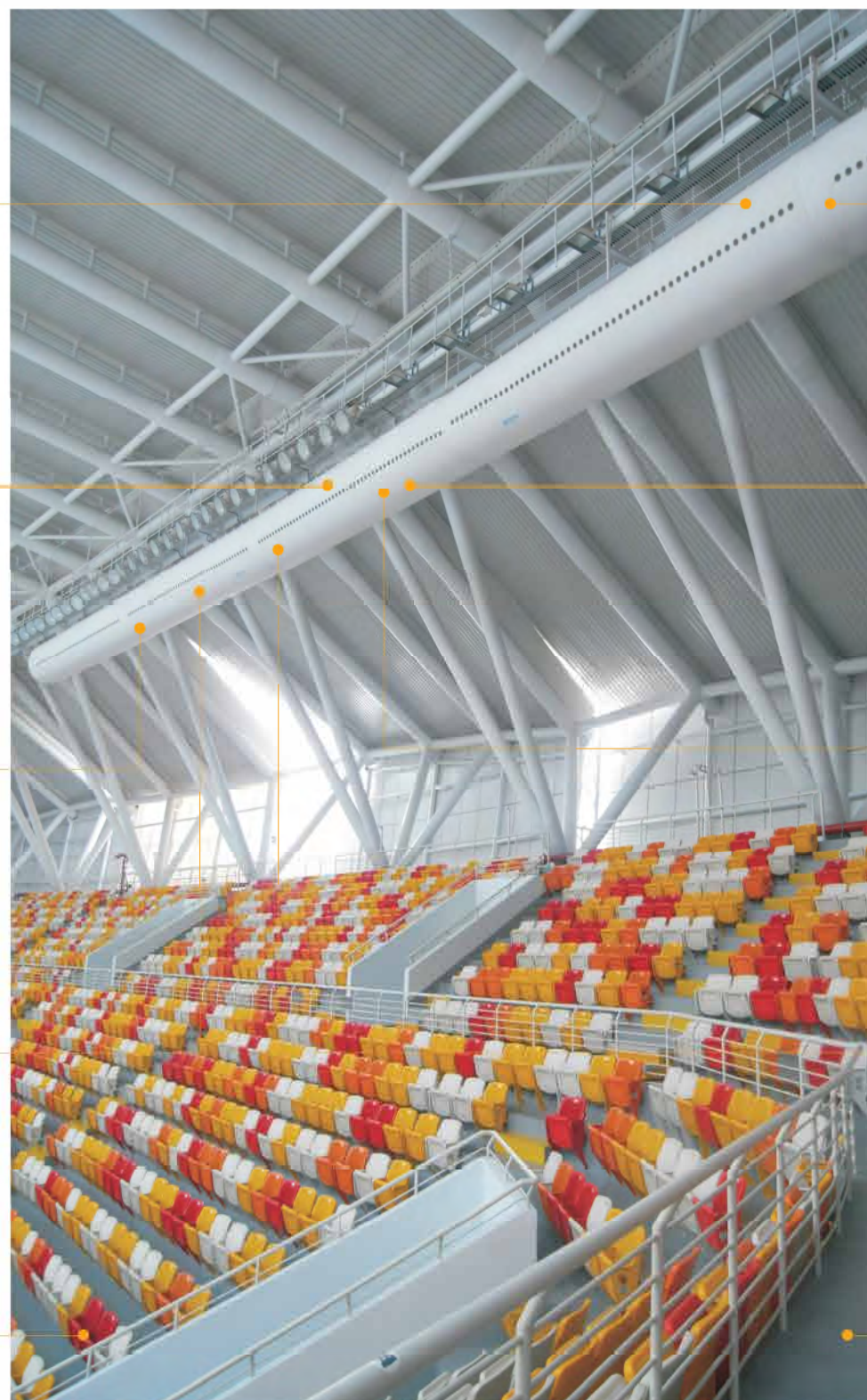
CONDENSATION FREE



HYGIENIC & HEALTHY



QUIET



LIGHT WEIGHT



QUICK INSTALLATION



RELIABLE QUALITY



GREEN



ECONOMICAL



The DurkeeSox® Fabric Air Duct System is a very light weight system which is only 1/40 the weight of a traditional metal air duct system. The DurkeeSox® System lends itself well to applications such as new construction and building renovations without the need of roof load requirement considerations.



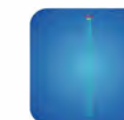
Utilizing a specialized cable or track suspension system provides for simple and quick installation time and requires approximately 1/10 or less the installation time of a conventional metal duct system. This greatly reduces the construction time and ensures virtually no material is wasted on the jobsite.



Introduce large laser production line and system simulation platform into DurkeeSox® system, all products are manufactured in our factory, to ensure high pressure resistance, tiny passive permeability, etc basic properties.



DurkeeSox® only uses environmental friendly synthetic fabric, green manufacturing, techniques and operating procedures, convenient remove, storage and recycle. Meanwhile, large space laminar flow model makes the NanoSox system an energy saving product.



A simpler DurkeeSox® design can replace the whole traditional duct-work system including air ducts, valves, diffusers and insulation materials, lightweight, easy transportation and installation to reduce overall cost.

Comprehensive product line up

1 Full range of fabric material

High-quality NanosoX®-N series, optimal economic NanosoX®-L series, and top fire proof FibersoX™ series, with variations of regular, antistatic and anti microbial functional properties. Totally 9 products with multi-functional customization ability as per special demands, providing the most comprehensive standard permeability choices, to fulfill the higher requirements in various industries.



2 Complete duct profile

Besides the duct shapes of Round, Half round, Large half round, Quarter and Rectangular, Conic duct has been developed as the world unique, providing better air distribution performance and economic features.



3 Versatile fittings

In addition to regular fittings (inlet, end cap, elbow, T-connector), Unique fittings such as square to round, Y inlet, bevel end cap, tension ring, wall pass-through and expansion segment and more are introduced to fit various applications.



4 Outlets

Airflow can be discharged through fabric permeation, mesh slot, s-slot, linear slot, orifice, nozzle, and rings.



Premium fabric material

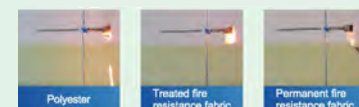
1 Unique micro of permeability technology

Permeability as low as 3.6m³/m²/h (0.2 cfm/ft²) can be achieved to ensure minimum air permeation in high pressure large systems, while still maintaining condensation free.



2 Superior fire resistant NanoSox®

Powered by nano technology, the superior permanent fire resistance performance of NanoSox® does not degrade after repeated laundering.



3 Nonflammable FibersoX® material

Nonflammable FibersoX® is made of non-organic fire proof material. It is classified under nonflammable as Class "A" type, to meet the most stringent fire safety requirement.



4 Best industry warranty

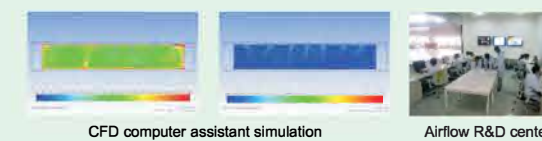
Exceptional product series are backed by unmatched industry warranty. A 15 years, 10 years, and 8 years limited warranties come with NanoSox®-N, NanoSox®-L and FibersoX™ series.



Professional design and installation

1 World leading air dispersion system technology

With a large space airflow lab and modern CFD computer simulation technology, DurkeeSox® engineers can tackle the most complicated and most demanding project with precision and confidence.



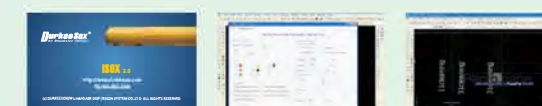
2 Detailed design manual and iCase application gallery

Accompanied with thousands client iCase application gallery, the new DurkeeSox® system design manual is easy to follow and easy to find reference project designs to achieve optimum solutions.



3 iSox design software

Unique iSox CAD design software makes the precision system design a breeze.



4 Full installation manual & specialized tools

Extensive work flow pictures in the detailed installation instruction, along with proprietary tool (cable tightener) quickly turn a novice installer to professional in no time.



Advanced production

1 Large scale laser automatic production line

Produces by the world leading 4 automatic production lines, DurkeeSox® reaches the annual production capacity of 3,000,000m² (32,300,000ft²).



2 Global top advanced multi-head laser processing center

Precise processing technology of DurkeeSox® System reaches the international top level with the global top advanced multi-head laser processing center.



3 Large-scale and full range of storage leads to shorter lead time

Full range of storage facilities, plus high efficient production management system, shortens regular lead time to less than 15 days, and even shorter for special orders.



4 World largest simulation test lab

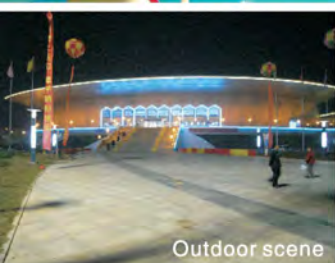
The finished products could be tested at the simulation test lab, which guarantees the zero-defect and completely accordant air distribution effect as per the design requirement.



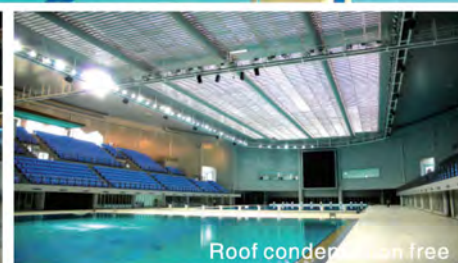
WHERE
TO USE

APPLICATIONS

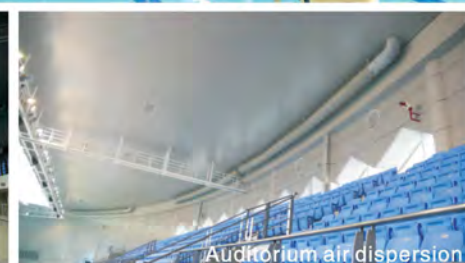
APPLICATIONS



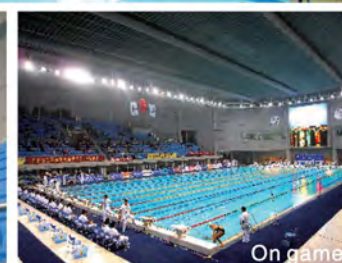
Outdoor scene



Roof condensation free



Auditorium air dispersion



On game

SPORT CENTER SWIMMING POOL

DurkeeSox® system was successfully applied on Wuhan Sports Center of 34,000m²(366,000ft²)(Swimming & diving Pool), the major game venue of China 6th national city games and the largest indoor swimming pool with power sunroof. The interior walls are decorated with aluminum composite panels. The original designed metal air duct system was facing some difficult challenges: The roof of the swimming pool is glass structured, very easy to bring condensation issue; power sunroof leaves no space to install metal ducts; hundreds of adjustable diffusers are necessary and airflow is not optimum. The customer ultimately decided to choose DurkeeSox® system in both swim competition center and training center.

In the actual application, we placed 3 ducts above the swimming pool to effectively prevent sunroof condensation. And another 6 ducts of total 120m(400ft) long with multi-row orifices were mounted along two sides of arc walls, 10% airflow permeates through fabric, 90% was dispersed to both the walls for condensation prevention and auditorium for their comfort. Moreover, micro-permeability fabric ducts could guarantee itself condensation free.

DurkeeSox® system applied in this project became one of the highlights for applying LUBAN AWARD (Chinese supreme architecture design award), and has earned us a good reputation as expert in sports facilities from then on.

APPLICATIONS IN SPORTS FACILITIES

FEATURES

Even & comfortable airflow, anti-corrosion, no condensation and cost efficient.



ASIAN GAMES STADIUM



ASIAN GAMES STADIUM



ASIAN GAMES STADIUM



UNIVERSITY SPORTS CENTER



OLYMPICS GYMNASTICS MUSEUM



GYMNASIUM



PORTCOURT GYM IN SACRAMENTO



OLYMPICS TENNIS COURT



TENNIS COURT



TENNIS COURT



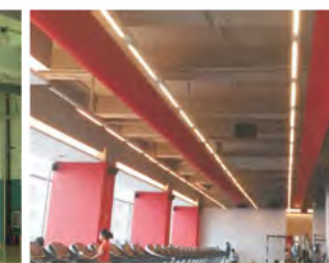
BADMINTON COURT



BADMINTON COURT



OLYMPICS TABLE TENNIS COURT



FITNESS FIRST LOTTE



FITNESS CLUB



SWIMMING POOL



WATER CUBE



AJMAN ACADEMY POOL



SHANKER POOL



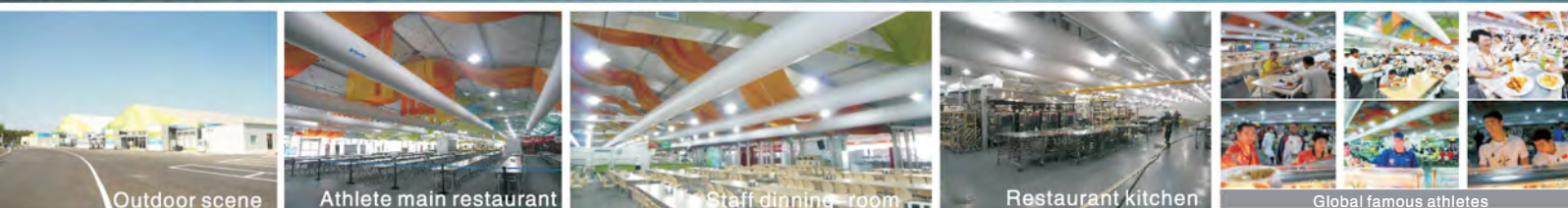
SWIMMING POOL

LARGE STADIUMS MID-SIZED BALL COURTS SMALL BALL HALLS FITNESS CLUB SWIMMING POOLS

WHERE
TO USE

APPLICATIONS

APPLICATIONS



Beijing Olympics

2008 Beijing Olympics, a global prominent event. Green is a key prerequisite for designing and constructing the Olympic Games' facilities, where strict ecological standards and systematic guarantee systems would be established. The total construction area of the village is about 21,000M²(226,000 ft²), DurkeeSox successfully won the bid, becoming the only supplier of fabric air dispersion system for 2008 Beijing Olympic games.

Aiming at requirements from BOCOG and jobsite (temporary tent, large area, low space, no insulation on roof, dense occupancies), DurkeeSox system made of permanent fire resistant fabric "NanoSox" with "s-slot" was arranged at lower height (3m or 10ft from the floor) to make air distribution more even & comfortable with energy saving.

After almost three months of operation for the Beijing Olympics and Paralympic Games, DurkeeSox system sustained cruel testing and gained a consistently good reputation from China and abroad. The advantages of safe & energy savings, green & environmentally-friendly material, recyclable and quick installation and removal ability, was greatly approved by officers of BOCOG. The DurkeeSox system was successfully installed in another 23 reception halls following the main restaurant.

PUBLIC FACILITIES

FEATURES

Directional air dispersion, even & comfortable airflow, longer air throw distance, improved air quality, easy to clean and maintain.



COCACOLA RECEPTION



GE RECEPTION



IOC RECEPTION



SAMSUNG RECEPTION



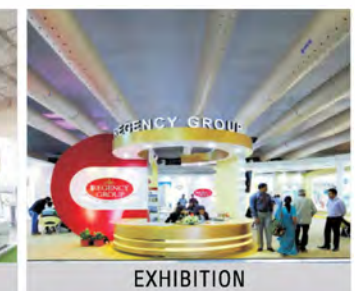
PANASONIC RECEPTION



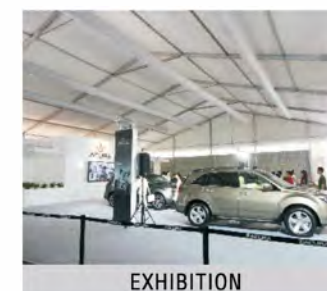
JESS_IDEA INDIA



BC INDIA



EXHIBITION



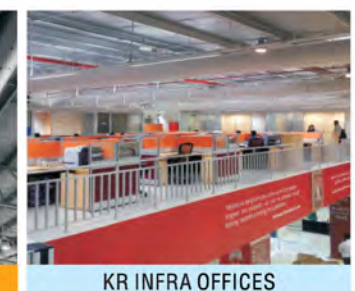
EXHIBITION



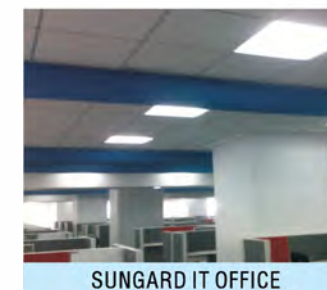
SHANGHAI WORLD EXPO



NEW LIFE CHURCH (FL)



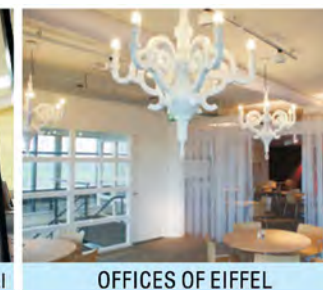
KR INFRA OFFICES



SUNGARD IT OFFICE



LANDMARK GROUP OFFICE HQ DUBAI



OFFICES OF EIFFEL



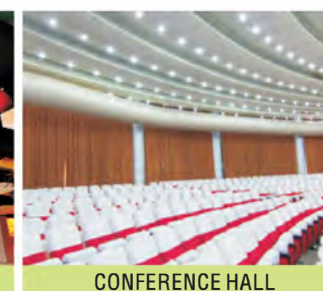
ANSONBOROUGH INN HOTEL



SPORTS CENTRE



AL MAJAZ PARK



CONFERENCE HALL



BUS STATION

Exhibition & Reception Church Office Conference Hall Transportation

WHERE
TO USE

APPLICATIONS



Strategic Cooperation----Carrefour

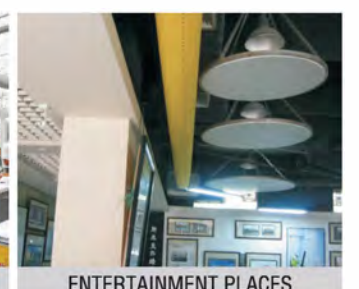
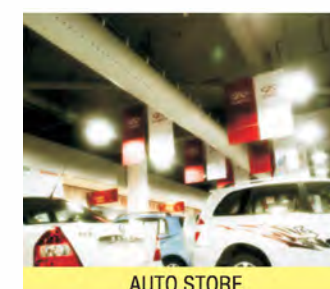
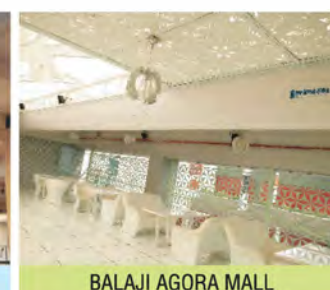
Carrefour, the 2nd largest supermarket chain in the world, with business operations in many countries all over the world, features diverse structure styles in various countries, such as, Carrefour china store is typically low space with restricted room. Conversely Southeast Asian stores have higher ceiling heights and have larger spaces. Both scenarios pose a high demand on aesthetics and require a short installation time. The former used traditional metal air duct system caused the problems of poor air distribution, bad air quality, etc, and the cleaning of the ducts annually was virtually impossible. Especially in China, due to the new national hygienic code which demands annually compulsive cleaning of AC ventilating systems in public places, Carrefour started to seek innovative air dispersion system. DurkeeSox's quick installation, easy maintenance and cost efficiency in cleaning attracted all the sights of Carrefour. Since 2008 the DurkeeSox system has been employed in all Asian region with more than 120 stores as the exclusive supplier.

By application from Carrefour, DurkeeSox was abundantly applied to Tesco, Metro, Auchan, Lotus, Ikea, Decathlon, etc. large retailing brands, and achieve the dominant fabric air duct system supplier in Asian supermarket industry.

COMMERCIAL FACILITIES

FEATURES

Directional air dispersion, even & comfortable airflow, improved air quality, easy to clean and maintain.



Supermarkets

Shopping Mall

Store

Theatre

Entertainment Places

WHERE
TO USE

APPLICATIONS

INDUSTRIAL FACILITIES

Ideal air exchange, even & comfortable airflow, easy to clean & maintain, quick installation, and no roof load requirement.



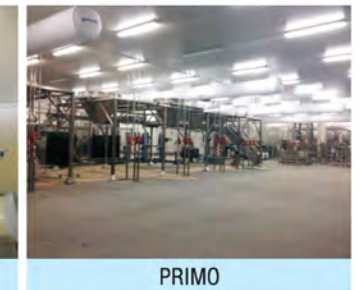
DANONE FOOD



KRAFT FOOD



NESTLE PHILIPPINES



PRIMO



CADBURY BISCUITS WORKSHOP



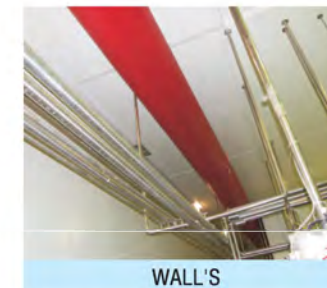
BEVERAGE



MEAT PROCESSING



HALWANI FOOD



WALL'S



HAAGEN-DAZS



SONY-ERICSSON



WHIRLPOOL INDIA



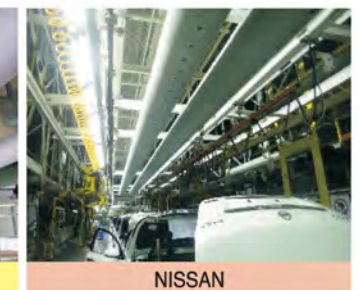
ROOPNARINES WAREHOUSE



PHARMACEUTICAL



BAYER LAB



NISSAN



FIAT AUTO



SSANGYONG MOTOR KOREA



MENG JIE TEXTILE



PORTS

Food Electronics Warehouse Chemical & Pharmaceutical Mechanical Textile & Printing

Kraft Foods

Kraft Food is now the 2nd largest food company in the world, with business operations in 145 countries. Kraft Nabisco Food (Suzhou) Co., Ltd., is located in Suzhou Industry Zone. The facility covers an area of 50,000m²(540,000ft²) with 28,817m²(310,000ft²) of production workshop which accommodates eight production lines. For traditional system delivers air through diffusers, unable to meet requirement of keeping low air velocity in large cooling capacity, along with more problems, such as increasing roof loads and high cost of cleaning and maintenance.

DurkeeSox system employs large air permeability fabric to introduce an environment of large air coverage area, low airflow velocity, even air dispersion without draught to prevent the biscuit chippings and powders from being blown off and guarantee building occupant's comfort. The ductwork is cleaned in three months intervals due to easy dismantlement, clean and easy of reinstallation to meet sanitation and cleanness requirement.

DurkeeSox was successfully installed in the phase one project; Kraft (worldwide) has since become a regular client and partner of DurkeeSox, we've installed and offered many unique Durkeesox solutions to Kraft (Cadbury) factories in India, Philippines, Indonesia, Canada and Brazil.

The DurkeeSox Fabric Duct system does not only have incomparable advantages in the solid food industry, but also prominent advantages in AC systems of other food industries and various factories.

HOW TO SELECT

Nanosox® - N Series



TOP GRADE

Different from other product, NanoSox®-N series has no chemical treatment. It's weaved with material made in nanotechnology and permanent fire resistant property. The superior fire safety performance does not degrade after laundering. NanosoX®-N series provides higher physical properties, including high pressure resistant, tensile strength, stable permeability, antimicrobial, antistatic etc anti-corrosion. Along with 10 standard permeation rates and 15 years warranty, it is the top level fabric and most widely used product series, with comprehensive domestic and international certifications and patents.



N / General

Constructed of NanosoX®-N fabric in various permeability. Typically applied on all kinds of heating & cooling places with general comfort requirement.



N-M / Anti Microbial

Made of permanent antimicrobial NanosoX®-N fabric which guarantees both permanent antimicrobial and fire resistant performance. Mainly applied on food, pharmacy, clean room etc. industries of cleanness demanding.



N-S / AntiStatic

An combination of NanosoX®-N fabric in diverse permeability and inherent antistatic fibre to dissipate static build-up. Typically used in electronic, chemical, precision manufacturing etc industries of static sensitive environment.



N00 / Non permeable

Made of non-permeable NanosoX®-N fabric. Commonly used in industrial workshop, warehouse etc. heating and ventilating area where features a high and large space. Meanwhile, it is also applicable to light refrigerating places.

Material property & Product Performance Indicators



| Property | Items | Index | Results | Code compliance | Testing organization | Remarks | |
|--------------------|-------------------------|--|---|---|---|----------------|--|
| Material property | Ten Permeability | | 0/3.6/9/18/36/72/108/144/288/360 m³/h at 125Pa (0/0.2/0.5/1/2/4/6/8/16/20 cfm/ft² in 0.5" w.g.) | 0/3.6/9/18/36/72/108/144/288/360 (0/0.2/0.48/1/2/5.8/8.2/15.5/20) | GB/T 5453-1997 ASTM D737 | CTTC | Formal testing (After the 50-Time ~Laundry Test) |
| | Fire safety | B | FIGRA, W/s ≤120 THR600s, MJ ≤7.5 | 7 1.1 | GB 8624-2012 | NFTC | |
| | | s1 | SMOGRA, m³/s² ≤30 TSP600s, m³ ≤50 | 0 13 | | | |
| | | d0 | Flaming particles or droplets withing 600s Ignition of the filter paper | No No | | | |
| | | t0 | Smoke Toxity ZA1 | ZA1 | | | |
| | | Class 1 | Calculated Smoke Developed(CSD) ≤50 Flame Spread Index(FSI) ≤25 | 20 0 | UL 2518 | UL | |
| | Class 0 | Fire propagation index | 0.4 | BS 476-6,7:1997 | TUV SUD PSB | Formal testing | |
| | Physics property | Weight | 245g/m² (7.2oz/yd²) ± 5% | 248g (7.23oz) | ASTM D3776 | | |
| | | Tensile strength | > 15N (3.4lb) | 29N (6.5lb) | GB/T 3917.1-1997 | CTTC | |
| | | Tear strength | > 500N (112lb) | 1240N (279lb) | GB/T 3923.1-1997 | | |
| | | Shrinkage after washing | < 2% | 0.5% | GB/T 8630-2002 | | |
| | | Permeability tolerance CV(%) | < 5% | 3.7% | GB/T5453-1997 | | |
| | Operational performance | Temperature range | -17.8℃(0° F)(24hours);129℃(265° F)(60days) No change of appearance | No change | UL 2518 | UL | Formal testing and UL certificate |
| | | Clean & fibre drop property | No fabric drops | No change | UL 2518 | UL | |
| | | Anti-mold | No Destroying or decomposing after 60days under the testing condition of UL181 | No change | UL 2518 | UL | |
| | | Textile health security | PH 4.0-7.5 Formaldehyde content ≤20mg/kg (20ppm) Decomposable Aromatic Amine dye ≤20mg/kg (20ppm) No abnormal odor | 7.4 Accord Unfound None | GB 18401-2003 | CTTC | Class A (Baby cloth type) |
| | | N-M Anti-microbial | >95% | >99% | ASTM E2149 | CTTC | |
| | | N-S Anti-static | | 1.0µc/m² (0.093 µ c/ft²) | GB/T 12703-1991 | CTTC | |
| | | | | No change | Ac167 & UL181 | UL | Formal testing and UL certificate |
| System performance | Pressure resistance | No change at 7.6 in*wg (1900pa) static pressure | No change | | National center of quality supervision and inspection and testing for air condition equipment | | |
| | | Appearance no change, no tear, no damage at 8 in*wg (2000pa) static pressure | No change | | | | |
| | Passive permeability | Passive permeability volume at 2 in*wg (500Pa) | ≤ 50m³/h/m² (2.8cfm/ft²) | 25 (0.84cfm/ft²) | | | JGJ 141-2004 |
| | Dimension tolerance | Passive permeability volume at 4 in*wg (1000Pa) | ≤ 100m³/h/m² (5.5cfm/ft²) | 48 (1.98cfm/ft²) | | | |
| | | ≤ 1% | No change | | | | |

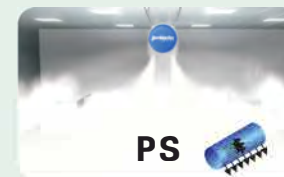
SYSTEM SELECTION



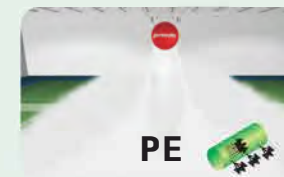
PM



EJ



PS



PE

Airflow Models

Permeability Indicators (cfm/ft² in 0.5w.g.)

| | PM | PS | PE | EJ |
|-----|---------|-------|-----------|----|
| N | 20 16 8 | 6 4 2 | 1 0.5 0.2 | 0 |
| N-M | 16 | 6 | 2 | 0 |
| N-S | 16 | 6 | 2 | 0 |

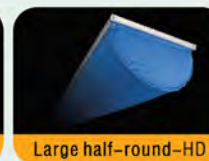
Note: permeability value in the table 0,2,0.5,1,2,4,6,8,16,20 is corresponding to metric system unit m³/m²/h (125Pa) : 3.6,9,18,36,72, 108,144,288. Customized permeability is available.



Round-O



Half-round-D



Large half-round-HD



Quarter-round-Q



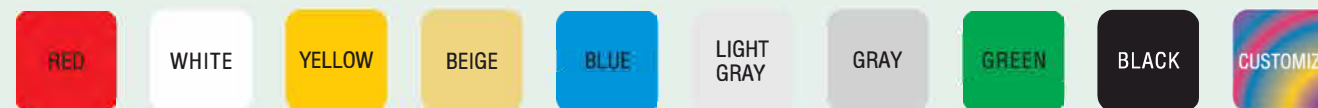
Rectangular-S



Conic-C

Shape

| | O | D | HD | Q | S | C |
|-----|---|---|----|---|---|---|
| N | • | • | • | • | • | • |
| N-M | • | • | • | • | • | • |
| N-S | • | • | • | • | • | • |

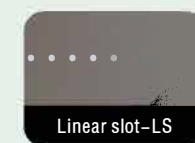


Color

| | W | R | Y | BE | BU | LGY | GY | GN | BA | CUSTOMIZE |
|-----|---|---|---|----|----|-----|----|----|----|-----------|
| N | • | • | • | • | • | • | • | • | • | • |
| N-M | • | | | | | • | • | | | |
| N-S | • | | | • | • | • | • | | • | |



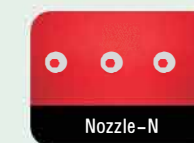
S-slot-SS



Linear slot-LS



Orifice-O



Nozzle-N



Adjustable Nozzle-AN



Fabric Nozzle-FN

Air Outlet Model

| | SS | LS | O | N | AN | FN |
|-----|----|----|---|---|----|----|
| N | • | • | • | • | • | • |
| N-M | • | • | • | • | • | • |
| N-S | • | • | • | • | • | • |

Nozzle Dia: 1", 1.5", AN Dia: 2", 2.5", FN Dia: 3"-15"



SYSTEM SELECTION

Nanosox® - L Series

NEW



ECONOMY

Nanosox®-L is made of inherent permanent fire retardant fabric with reliable & stable physical properties like high pressure resistant, tensile strength, stable permeability etc. It provides 5 standard permeation rates and 10 years warranty, mainly applied at economical sites.



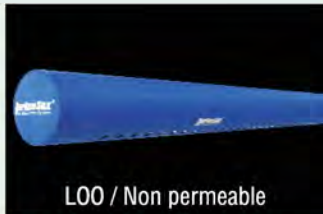
Constructed of Nanosox®-L fabric in various permeability. Typically applied on all kinds of heating & cooling places with general comfort requirement.



Constructed of anti-microbial Nanosox®-L fabric with diverse air permeability. Normally applied on food, medical etc. Industries of higher cleanness requirement.



Constructed of antistatic Nanosox®-L fabric with different permeability. Typically used in electronic and precision manufacturing etc. Industries of static sensitive environment.



Made of non-permeable Nanosox®-L fabric. Commonly used in industrial workshop, warehouse etc. heating and ventilating area where features a high and large space.

Material property & Product Performance Indicators



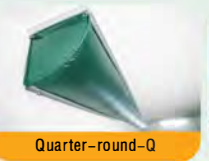
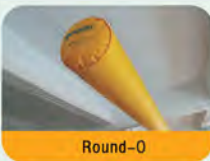
| Property | Items | | Index | Results | Code compliance | Testing organization |
|--------------------|-------------------------|------------------------------|---|---------------------------------------|-----------------------------|----------------------|
| Material property | Five Permeability | | 0/9/2/36/288m³/h at 125Pa 0/0.5/2/6/16cfm/ft² in 0.5"w.g. | 0/9/36/147/280 (0/0.48/2/5.8/15.5) | GB/T 5453-1997 ASTM D737 | CTTC |
| | Fire safety | Class 1 | Calculated Smoke Developed(CSD) ≤50 Flame Spread Index(FSI) ≤25 | 20 0 | UI723 ASTM E84 | UL |
| | | Class 0 | Fire propagation index | 0.4 | BS 476-6,7:1997 | TUV SUD PSB |
| | Physics property | Weight | 225g/m² (6.6oz/yd²) ± 5% | 227 (6.7) | ASTM D3776 | CTTC |
| | | Tensile strength | > 15N (3.4lb) | 29 (6.5lb) | GB/T 3917.3-1997 | |
| | | Tear strength | > 500N(112lb) | 1240 (279lb) | GB/T 3923.1-1997 | |
| | | Shrinkage after washing | < 2% | 0.2% | GB/T 8630-2002 | |
| | | Permeability tolerance CV(%) | < 5% | Accord | GB/T 5453-1997 | |
| | Operational performance | Textile health security | PH 4.0-7.5 Formaldehyde content ≤20mg/kg (20ppm) Decomposable Aromatic Amine dye ≤20mg/kg (20ppm) No abnormal odor | 7.4 Accord Unfound None | GB 18401-2003 | CTTC |
| | | L-M Antimicrobial | >90% | >95% | ASTM E2149 | |
| | | L-S Antistatic | | 0.7 μ c/m²(0.065 μ c/ft²) | GB/T 12703-1991 | |
| System performance | Pressure resistance | | No change at 1900pa (7.6 in*wg) static pressure | No change | JGJ 141-2004 | UL |



Airflow Models

| Permeability Indicators (cfm/ft² in 0.5" w.g.) | | | | | |
|--|----|----|---|-----|----|
| | PM | PS | | PE | EJ |
| L | 16 | 6 | 2 | 0.5 | 0 |
| L-M | 16 | 6 | 2 | 0.5 | 0 |
| L-S | 16 | 6 | 2 | 0.5 | 0 |

Note: permeability value in the table 0.5,2,6,16 is corresponding to metric system unit m³/m²/h at 125Pa: 9,36,108,288.



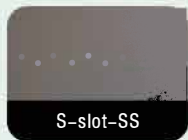
Shape

| | O | D | HD | Q | S | C |
|-----|---|---|----|---|---|---|
| L | • | • | • | • | • | • |
| L-M | • | • | • | • | • | • |
| L-S | • | • | • | • | • | • |



Color

| | W | R | Y | BE | BU | GY | GN | BA | CUSTOMIZE |
|-----|---|---|---|----|----|----|----|----|-----------|
| L | • | • | • | • | • | • | • | • | |
| L-M | • | | | | | • | | | |
| L-S | • | | | • | • | • | | • | |



Air Outlet Model

| | SS | LS | O | N | AN | FN |
|-----|----|----|---|---|----|----|
| L | • | • | • | • | • | • |
| L-M | • | • | • | • | • | • |
| L-S | • | • | • | • | • | • |

Nozzle Dia: 1", 1.5", AN Dia: 2", 2.5", FN Dia: 3"-15"



SYSTEM SELECTION

Fibersox™ Patented Top Fire Proof Series



FUNCTION TYPE

Fibersox™ Series is made of Class A nonflammable fabric material providing the best fireproofing property and 8 years warranty. It is mainly for the applications which have strict fireproofing requirements during heating, ventilation and slightly cooling.



Material property & Product Performance Indicators



| Property | | Items | Index | Results | Code compliance | Testing organization | Remarks |
|--------------------|----------------------|----------------------|--|-----------------------------|--------------------|---|------------------|
| Material property | Fire safety | A2 | FIGRA, W/s≤120 (hp/s≤116) | 5 (4.83) | GB 8624-2012 | NFTC | 1、Formal testing |
| | | | THR600s, MJ≤7.5 (kbtu≤7.92) | 0.9 (0.95) | | | |
| | | | Thermal value, MJ/kg≤3.0 (kbtu/lb≤7) | 1.6 (3.7) | | | |
| | | | | 0 | | | |
| | | s1 | SMOGRA, m²/s2≤30 (ft²/s2≤0.26) | 20 (1.9) | | | |
| | | d0 | TSP600s, m²≤50 (ft²≤4.66) | Accord | | | |
| | | t0 | Flaming particles or droplets withing 600s | ZA1 | | | |
| System performance | Fire safety | Class A2 | Smoke Toxicity ZA1 | 9.5 (0) | En 13501-1:A1:2009 | SGS | 1、Formal testing |
| | | | SMOGRA, m²/s2≤30 (ft²/s2≤0.26) | 11.7 (1.9) | | | |
| | | | TSP600s, m²≤50 (ft²≤4.66) | No | | | |
| | | | Flaming particles or droplets withing 600s | No | | | |
| | | Class A1 | Fire propagation index | 0.4 | BS 476-6:A1:2009 | TUV SUD PSB | 1、Formal testing |
| | | Weight | 300g/m² (8.9oz/yd²) ± 5% | 305g (9) | | | |
| | | | | | | | |
| System performance | Passive permeability | Pressure resistance | Appearance no change, no tear, no damage at 2000Pa(8 in" w.g.) static pressure | No change | JGJ 141-2004 | National center of quality supervision and inspection and testing for air condition equipment | |
| | | Passive permeability | Passive permeability volume 500Pa(2 in" w.g.) | ≤ 50m³/h/m² (2.8cfm/ft²) | | | |
| | | Passive permeability | Passive permeability volume 1000Pa(4 in" w.g.) | ≤ 100m³/h/m² (5.6cfm/ft²) | | | |
| | | Dimension tolerance | ≤ 1 % | No change | | | |

Shape

O

S

Airflow Models

EJ

Color

W

GY

Air Outlet Model

SS

LS

O

N

Permeability Indicators

(cfm/ft² in 0.5" w.g.)

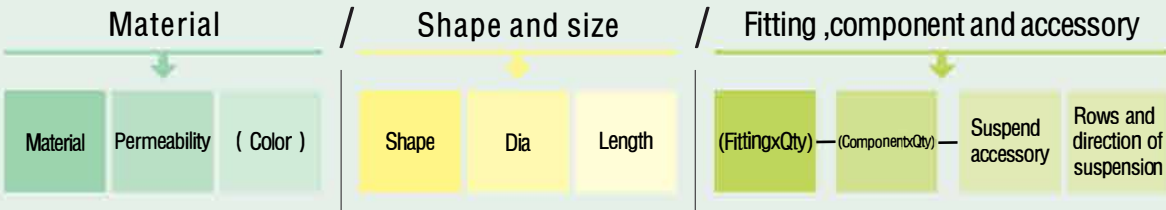
FS

EJ

Note:

Permeability tolerance is ± 5%.

Product identification



Example of Product identification

- 1、N10/OΦ508x20/G2
Nanosox®-N general fabric with permeability of 1cfm/ft²(18m³/m²/h), round, Φ508(20") in diameter, 20m(65.6ft) long, nozzle, 2 & 10 o'clock double rows cable suspension system.
- 2、N00(GY)/S1016x610x20.5/(SR1T5E1V1)-(R)-G3
Nanosox®-N non-permeable fabric, grey, rectangle shape of 1016x610mm(40"x24"), 20.5m(67.3ft) long, 1 special square-round fitting, 5 T-connections, 1 elbow, 1 transition, rubber ring, 3 rows cable suspension.

Table of Material selection (1)

| Fabric material | Permeability cfm/ft² (in 0.5" w.g.) | | | | (Color) | | | | | | | | | |
|---|--|-------|-----------|-----|-----------|---|---|----|----|-----|----|----|----|-----------|
| Material series | PM | PS | PE | EJ | W | R | Y | BE | BU | LGY | GY | GN | BA | Customize |
| N —Nanosox-N permanent fire resistance general type | 20 16 8 | 6 4 2 | 1 0.5 0.2 | 0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| N-M —Nanosox-N anti-microbial type | 16 | 6 | 2 | 0.5 | 0 | | | | | | | | | |
| N-S —Nanosox-N anti-static type | 16 | 6 | 2 | 0.5 | 0 | | | | ● | | ● | | | |
| L —Nanosox-L permanent fire resistance general type | 16 | 6 | 2 | 0.5 | 0 | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| L-M —Nanosox-L anti-microbial type | 16 | 6 | 2 | 0.5 | 0 | ● | | | | | | | | |
| L-S —Nanosox-L anti-static type | 16 | 6 | 2 | 0.5 | 0 | ● | | | ● | | ● | | | |
| F —Fiersox proof series. | | | | 0 | ● | | | | | | ● | | | |

Table of shape and size selection (2)

| Shape | Duct diameter (Inch) | Length (ft) |
|---------------------|---|------------------|
| Round -O | 6,8,10,12,14,16,18,20,22.....60,62,64,66,68,70,72 | Per project need |
| Half- round-D | 6,8,10,12,14,16,18,20,22.....48,50,52,54,56,58,60 | Per project need |
| Large half-round-HD | 6,8,10,12,14,16,18,20,22.....48,50,52,54,56,58,60 | Per project need |
| Quarter-round-Q | 6,8,10,12,14,16,18,20,22.....48,50,52,54,56,58,60 | Per project need |
| Rectangular-S | (22,24,26,28,30,32,34,36.....126,134,146)x(16,18,22,24,26,28,30,32) | Per project need |

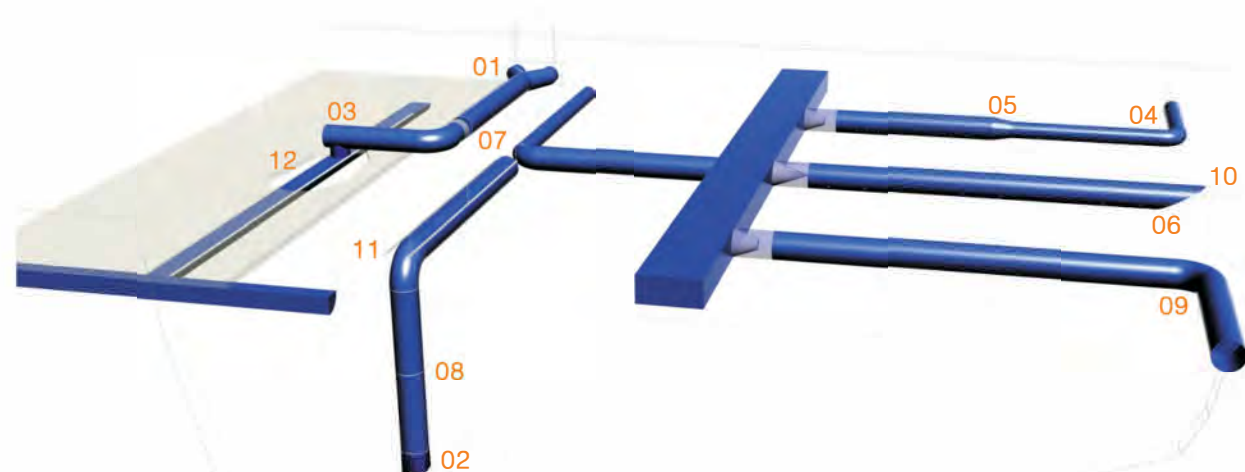
Table of fitting ,component and accessory (3)

| (Fitting) | | | (Component) | | Accessory | |
|-----------------------|--------------------|-------------------------|----------------------|--------------------------------|-------------------------|----------------------------------|
| General fitting | Special fitting | Functional fitting | S-slot-SS | Fabric Nozzle-FN | Suspension accessory | Rows and direction of suspension |
| Elbow-E | Y inlet-Y | Tension ring-TW | Linear-slot-LS | Pressure adjustment device-PAD | Galvanized cable-G | Single row-1 12:00 |
| T-connection-T | Square to round-SR | Expansion segment-ES | Orifice-O | Airflow control device-ACD | Stainless steel cable-S | Double rows - 2 2:00&10:00 |
| Transition-V | Elbow inlet-IE | Through wall segment-TR | Nozzle-N | Fabric air filter-FAF | Flush mount track-AF | Three rows - 3 3:00&9:00(39) |
| T-connection inlet-IT | | | Adjustable Nozzle-AN | | Suspension track-AH | Multiple rows |

NOTE: —Table (1), Permeability tolerance is ±5%.
—Table (2), Duct diameter take even number as unit, 2 inch spacing in corresponding with metric unit, such as: 6,8,10,12,.....66,68,70,72 inch to 152,203,254,305,.....1676,1727,1778,1829mm.
Metric length measured in m, British length measured in ft.
—Table (3), The unmarked fittings, components and accessories are defined as standard: like standard inlet and end, slot and nozzle, 12 o'clock-single row suspension, 2 o'clock and 10 o'clock -double rows suspension.

HOW TO SELECT

SYSTEM SELECTION



- 01、Y- inlet
- 02、 Square to round inlet
- 03、 T-connection
- 04、 Elbow
- 05、 Transition
- 06、 Bevel end
- 07、 Expansion segment
- 08、 Tension ring
- 09、 Wall pass through
- 10、 Galvanized cable
- 11、 H-track
- 12、 Flush mount track

GENERAL FITTINGS

INLET CONNECTION



Double layer inlet

Generally, use single layer or double layer inlet to cover outlet of metal duct, fixed with belt, riveted.

Durkeesox® employs double layer inlet, only fixes the inside layer, the outer layer is used to cover up and easy to remove for washing.

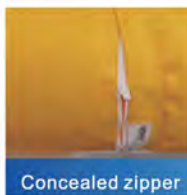
END



End cap

Durkeesox® uses end cap, joins with duct by zipper, easier to change for washing or extend in the length direction .

ZIPPER CONNECTION

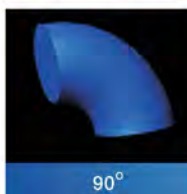


Concealed zipper

Join among straight duct, fittings, and components, similar to conventional used flange.

Durkeesox® uses concealed zipper, covered by sleeve from outside.

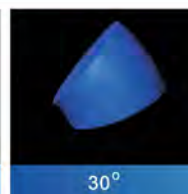
ELBOW-E



90°



60°



30°

Standard centerline radius is 1.5 x Dia.

The elbow consists of multiple gores, different curve angles per application requirement.

GENERAL FITTINGS

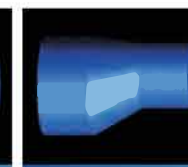
TRANSITION-V



Bottom flat



Concentrate

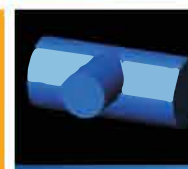


Top flat

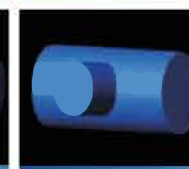
Connect ducts with different diameter

Bottom flat: more aesthetic
Concentrate: better airflow
Top flat: easier to install

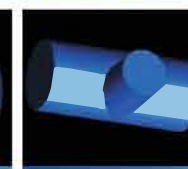
T-CONNECTOR-T



Top flat



Concentrate



Bottom flat

Deliver the airflow to branch ducts which are perpendicular to main duct. Connected by zipper.

Special fittings



Y-inlet-Y

Connect two outlets of AHU to one duct.



Square to round inlet-SR

Connect square metal duct to round fabric duct.



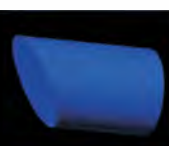
Elbow inlet-IE

Connect fabric duct inlet with elbows.



T-connection inlet-TT

Connect fabric duct inlet with T-connection.



Bevel end-BC

Disperse air in bevel end of duct , Specialized for individual case.



Transition elbow-EV

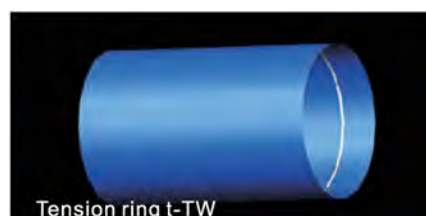
Connect elbows in different diameter.



Bevel transition-BV

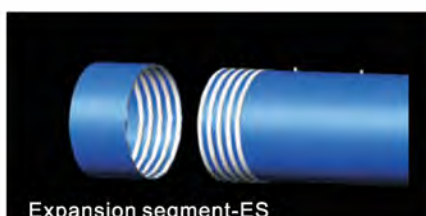
Connect uneven ducts with different diameters.

Functional fittings



Tension ring T-TW

For supporting use, fixed inside duct to produce aesthetic appearance. applied to upright elbows, etc special occasions.



Expansion segment-ES

Connected between two sections, Fold one end in airflow direction, fixed by hasp from outside, contributing to certain flexibility in length.



Wall pass through-TR

A component to resolve through wall problem, employs tension ring and certain length of duct to fix in the hole of wall and seal the gap between.

This is no essential difference between design of DurkeeSox system and traditional metal duct system. Designer could make the layout design according to Durkeesox owned specialized software :isox – design. Meanwhile, Durkeesox engineering technology center is also ready to do the design work professionally for you.



System layout

DurkeeSox system layout is mainly applied to air supply system. Lay out the system according to requirements of actual situation or AHU location on building and HVAC design(CAD drawing) , space , height and aesthetics, and more.

■ General location layout

— low space location layout: make ductwork layout along wall ,beam ,pole, to save space and improve aesthetics. For workshop application, lay out ductwork along production line or densely occupied area to meet both requirements of production and occupants. For supermarket application, uniformly lay out the system perpendicular to shelves and parallel to light area.

—High and large space layout: To match return air, use duct as possible to improve indoor air distribution. For workshop, layout shall be along production line, avoid equipments and travelling crane, meanwhile, consider directional air dispersion. For supermarket, layout is perpendicular to shelves or above main walkway. For sports place, layout shall be around auditoria. For grid structure, lay out ductwork inside it. for grid structure with berm, mount ductwork both sides along berm, both save space and convenience installation and maintenance.

■ General location aesthetics design

—The relation between duct diameter and aesthetics at different installation height: Generally, the applicable duct diameter is larger when the installation is higher to reach a perfect combination of aesthetics and effect.

—Arc, closed design: The layout could be in arc, or closed round, Oval to match with architecture style for both more aesthetic appearance and uniform air dispersion.

—Design to match with decoration: mount half–round or Quarter-round duct against ceiling, or open a groove on suspended ceiling, then put DurkeeSox duct inside. For meshed Suspended ceiling, just mount ductwork above it.

■ Special case design

—Temporary location design: Considering easy installation and dismantlement, track installation is mostly applied. To take reuse into account, maintain the same duct diameter and duct length as possible.

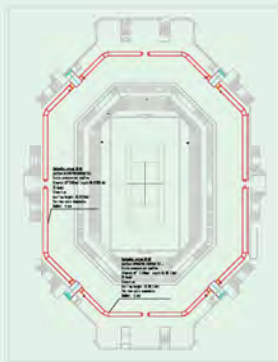
—Anti–condensation design: lay out the ductwork along glass curtain or specially mount one or more ducts to easy–condensation area.

SYSTEM LAYOUT

Use iSox design software, we could complete layout design and drawing work more easily and quickly, greatly reduce designer's time.



iSox design software



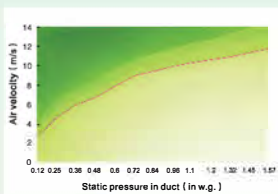
Layout



Dimension selection

Because the DurkeeSox system diameter selection is related to air velocity and static pressure in the duct, when the static pressure does not match the air velocity in the duct, the airflow in the duct will become turbulent which will affect the actual air dispersion and overall performance. Shown below is a schematic illustrating the relation between pressure, turbulence and air velocity that we obtained through an experiment.

From the schematic, we could find when the air velocity is bigger, static pressure become smaller, the turbulence will be increasing.(darker the color, bigger the turbulence),it is for sure that turbulence is related to the ratio of air velocity to static pressure in duct, the bigger the turbulence is. what is more, high air velocity could increase noise from system.

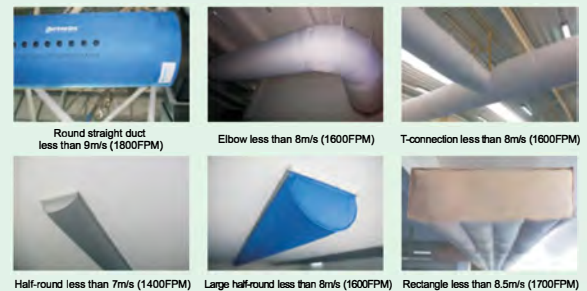


A DurkeeSox system diameter utilizes inches as a spec unit, starting at 152mm(6") thru 1828mm(72"), classified at 50.8mm (2 inch) intervals. The duct diameter is determined according to air volume and system inlet air velocity.

$$\text{Calculation equation: } g = v \cdot \pi \cdot D^2 / 4$$

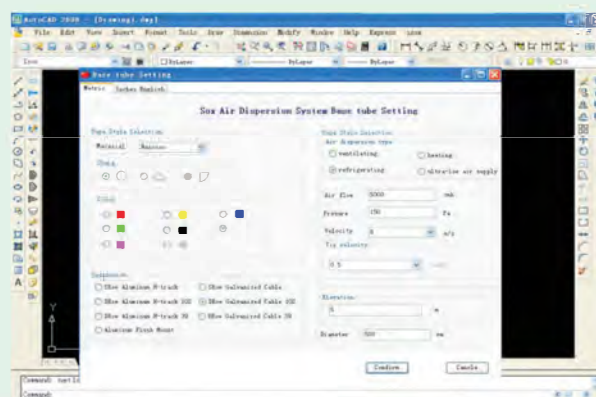
Where g: air volume per duct system, v: System inlet air velocity, D: system duct diameter

DurkeeSox system inlet air velocity: to avoid system inlet turbulence and negative pressure, etc.



If the duct diameter is excessive big, installation space is not enough, it is advised to use rectangle duct or divide the system into several small ducts.

ISOX DESIGN INTERFACE



Use isox software to input each design parameters

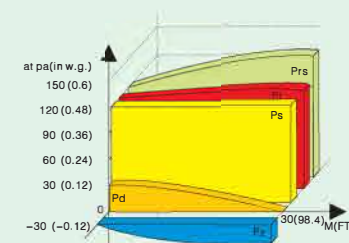


Air pressure design

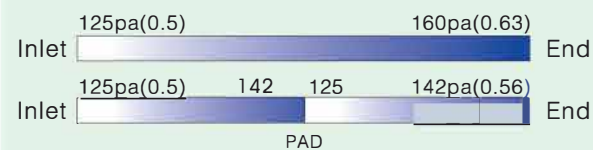
Pressure in a DurkeeSox system consists of static pressure, velocity pressure and resistance loss, the direct relation of static pressure regain and resistance loss plays a key role. In most cases, static pressure regain is more than frictional resistance loss in a straight duct.

Result: static pressure=inlet static pressure+ static pressure regain–pressure loss($P_r = P_s + P_{rs} - P_z$), the average pressure is the average of inlet static pressure and end static pressure. The principle is shown in below schematic.

The principle is shown in below schematic.

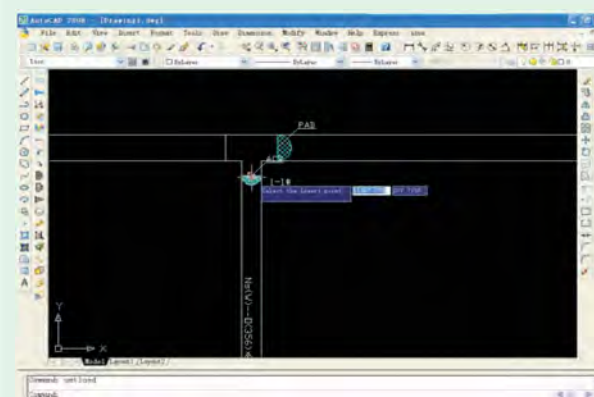


Based on abundant engineering experience , we believe that when pressure difference is less than 10% of inlet static pressure, airflow along the duct is uniform. On the contrary, PAD pressure adjustment device shall be installed to balance the pressure in duct. Shown in below schematic, after balance, maximum pressure difference is in 25pa(0.1 w.g.), less than 10% of inlet static pressure.



Inlet pressure of complicated system with multi ducts is according to resistance calculation of least favorable loop, meanwhile, consider air dispersion pressure, frictional and local pressure loss from main duct , branch duct.

PRESSURE DESIGN INTERFACE



Insert PAD,ACD air valve



Air dispersion design

Employ DurkeeSox patented design software specialized for fabric air dispersion system to make the detailed design,that is , to determine permeability of fabric, type, dimension, quantity, and direction of orifice or nozzle, which is made by Durkeesox engineering technology center.

According to cross section of height design, we determine air throw and controlled area.

Generally, we take the middle line of 2 adjacent ducts as the boundary, according to uniform layout principle. Based on actual project situation, in light of air volume from each duct and layout, divide the whole area, try to uniformly distribute the air volume as possible.



B Determine orifices direction

According to divided area, specify the direction of orifices and determine the number of orifice rows .

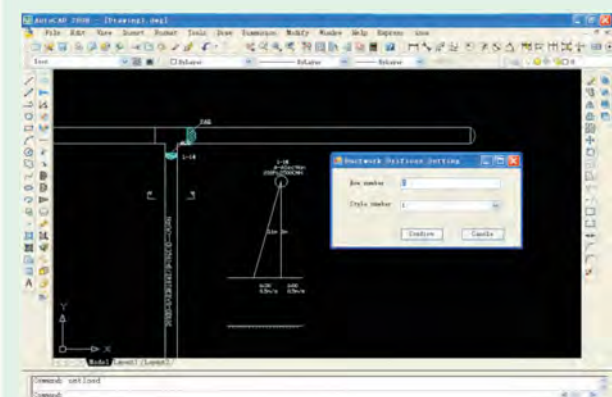
C According to airflow capacity, determine permeated air volume and air volume by orifices.

D Determine size and rows of orifice

Generally,design is completed by the patented specialized software--iSox--manufactory, and inputted into automatic production line for manufacturing.

In addition, iSox software can help draw a standard construction plan of installation and automatically list a specification table for each portion of system.

AIR DISPERSION DESIGN



Automatically generate air dispersion sectional view

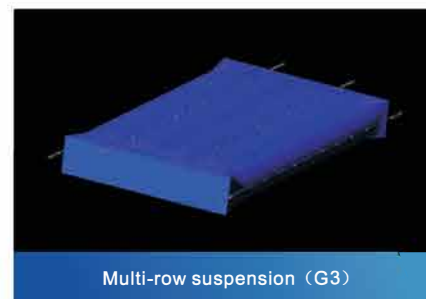
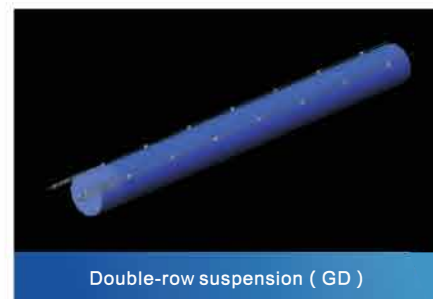
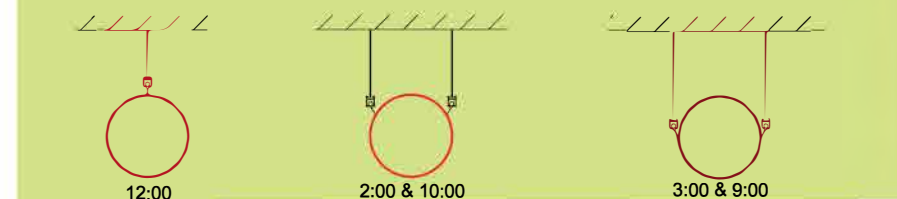
ACCESSORY AND INSTALLATION

Installation of a DurkeeSox system is much easier than any conventional air duct system, which consists of 3 styles:

1. cable suspension system.
2. Aluminum track suspension system.
3. Internal retention ring.

CABLE SUSPENSION SYSTEM

Cable suspension system is more popular due to convenient installation and low cost. Which can be divided as following: By material: galvanized cable, stainless cable
By load capacity: ordinary cable, heavy duty cable
By rows of cables: single row, double rows, multi rows
By suspension direction: 12:00(single row), 2:00 & 10:00 or 3:00 & 9:00 (double rows)



ALUMINUM TRACK SUSPENSION SYSTEM

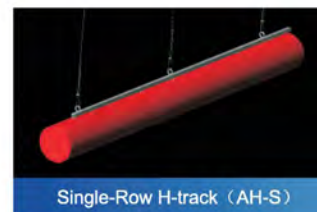
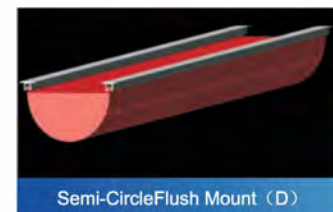
FLUSH MOUNT TRACK

For half-round, large half-round and quarter-round DurkeeSox systems which are mounted against ceiling or wall.



H-TRACK

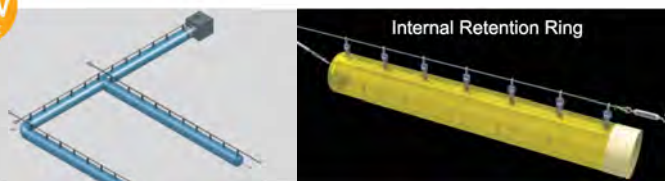
For suspension type of round DurkeeSox system.



INTERNAL RETENTION RING (IRR SYSTEM)

DurkeeSox Air dispersion system with the internal retention ring (IRR System) provides perfect inflation appearance even without air supply. Start up popping noise can be prevented, too. Available for air supply and air return ductworks.

NEW
Patent



The major material required to install DurkeeSox system includes: fabric air ducts and its fittings, components and accessories, which are supplied by the manufacturer (shipped with the consignment, including installation drawing, installation manual and assembly drawing, etc.). Other installation auxiliaries required on jobsite, such as, brackets, fastening bolts and mores shall be purchased by the installation contractor.

9 GENERAL QUESTIONS AND ANSWERS



Q

What is the expected system's service life of a DurkeeSox system ?

A

A DurkeeSox systems practical service life depends on the application environment, AC system, etc factors. Generally, service life of NanoSox®-N exceed 20 years, NanoSox®-L 15 years, FiberSox® 10 years. Our warranty for NanoSox®-N is 15 years, NanoSox®-L 10 years, FiberSox® 8 years.

Q

Does a DurkeeSox system meet the fire safety regulation in different countries and regions in global market?

A

As an end air dispersion system in HVAC, DurkeeSox has passed all kinds of widely recognized international certificates and fire testings including UL AJIJ and AC167 certificates, testing certificate under EN13501-2002 class B1-s1,d0, and China official fire certificate under GB-8624-2006-Class B-s1,d0,t0 and Class A. DurkeeSox system meets or surpasses code regulations on fire safety in all countries and regions .

Q

DurkeeSox system looks nice when inflated, how does it look when it's not inflated?

A

A DurkeeSox system is made of flexible material, it will droop when the system is off. To gain a better visual effect when the system does not run, a double row suspension system can be used to maintain the round shape on the bottom. For better result, the IRR (Internal Retention Ring) system can be used to better maintain the round shape.

Q

Can DurkeeSox replace all types of air ducts? Could it be used for air return ductwork?

A

DurkeeSox is made of flexible material and can only work in a positive pressure of air supply System. It cannot be used as the air return ductwork. The Internal Retention Ring System can be used for air return ductwork.

Q

Would a DurkeeSox system have a condensation problem without installing a insulation material on the outside of the duct?

A

Cooling air permeates through fabric to form air layer around duct to result in no temperature difference between inside and outside, this radically resolves the condensation problem.

Q

It seems that a DurkeeSox system has a good performance in a cooling or refrigeration application. What about in a heating application? Can the heated air could be thrown down to the occupied zone?

A

A DurkeeSox system's air dispersion principle applies induction type laminar flow air dispersion, when air flow is ejected out of the duct openings at a high velocity, compared with ordinary AC system, heat exchange with ambient air in the height is rare, the airflow will not dispersed till the air flow reaches destination area, thus little difference between cold air and hot air dispersion. In a practical application, AHU if matched with cold & hot air dispersion mode could achieve a better effect.

Q

What is the DurkeeSox air duct product cleaning and maintenance period requirement?

A

A DurkeeSox cleaning & maintenance period is variable and depends on the air dispersion mode, application environmental cleanliness requirement, AHU's filter grade, etc factors. Normally recommended maintenance period is every 3 months for refrigeration and food processing applications with clean requirement; for commercial, public places and large areas, etc normally a 1 to 3 year period. In a serious pollution environment, the color of fabric may become darker after washing.

Q

How much is the friction factor of a DurkeeSox system? Does DurkeeSox have a large system resistance? Are there any additional requirements on air volume or air pressure of AHU?

A

DurkeeSox system friction factor is less than 0.024, similar to metal duct, but in practical applications, friction resistance of DurkeeSox system is much less than conventional ducts, due to mostly in round shape, lower average air velocity especially at the middle and end part. For simple straight duct, the system resistance is less than static pressure regain, so the friction resistance could be ignored. For complicated ductwork, the system resistance is only 1/3-1/5 of traditional duct. Thus pressure of traditional air duct is enough for DurkeeSox system. DurkeeSox system could design fabric permeability and orifices to guarantee the designed air supplying volume without any additional requirements on AHU.

Q

Will a DurkeeSox system generate noise? What is the noise absorption effect ?

A

A DurkeeSox system does not generate noise and transmit resonance during operating. Please refer to DurkeeSox detailed technical manual. Noise absorption effect depends on different equipments and environment, it could not replace the absorber of AHUs system, although part of noise could be absorbed.



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