

The background of the slide features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the left and right sides, framing the central white area where the text is placed.

MAJIN INDUSTRIAL SALES & MARKETING COMPANY PROFILE

BUSINESS ADDRESS

SALES OFFICE :

**249 Manila South Road, National Highway
Brgy. Calo, Bay, Laguna**

E-MAIL ADDRESS :

majino8@gmail.com, majino8@hotmail.com

**DTI REGISTRATION CERTIFICATE NO.
5851714**

TIN NO.:

217-921-224-000

BANK ACCOUNT

**Sterling Bank of Asia (Binan Branch)
PBCom (Calamba Branch)
East West Bank (Calamba Branch)**



This certifies that

MAJIN INDUSTRIAL SALES & MARKETING
(CITY/MUNICIPALITY)

BAY, LAGUNA - REGION IV-A (CALABARZON)

is a business name registered in this office pursuant to the provisions of Act 3883, as amended by Act 4147 and Republic Act No. 863, and in compliance with the applicable rules and regulations prescribed by the Department of Trade and Industry.

This certificate issued to

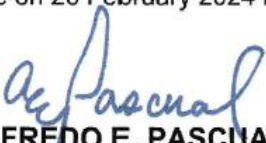
LAILANI GATDULA LLANTO

is valid from 26 February 2024 to 26 February 2029 subject to continuing compliance with the above-mentioned laws and all applicable laws of the Philippines, unless voluntarily cancelled

In testimony whereof, I hereby sign this

Certificate of Business Name Registration

and issue the same on 26 February 2024 in the Philippines.


ALFREDO E. PASCUAL
Secretary

Business Name No.5851714

This certificate is not a license to engage in any kind of business and valid only at the scope indicated herein.



TVMA256015962262

REPUBLIKA NG PILIPINAS
KAGAWARAN NG PANANALAPI
KAWANIHAN NG RENTAS INTERNAS
REVENUE REGION NO. 009
REVENUE DISTRICT NO. 056

BIR Form No. **2303**
Revised July 1997

1RC0000665876
OCN

CERTIFICATE OF REGISTRATION

BUSINESS REGISTRATION
DATE: **OCT 11 2013**

TIN 217-921-224-000	NAME LLANTO, LAILANI GATDULA	REGISTRATION DATE 05/22/2002
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REGISTERED ADDRESS
**1530
BRGY. PACIANO, RIZAL, BAY
LAGUNA 4033**

REGISTERED ACTIVITY(IES)

TAX TYPE

INCOME TAX
VALUE - ADDED TAX

REGISTRATION FEE
WITHHOLDING TAX - EXPANDED/OTH

TRADE NAME

LINE OF BUSINESS / INDUSTRY

**MAJIN INDUSTRIAL SALES & MARKE
TING**

**5239 OTHER RETAIL SALE IN
SPECIALIZED STORES**

REMINDERS:

FILING OF REQUIRED TAX RETURN/S TO CONFORM WITH THE ABOVE TAX TYPE/S WITH OR WITHOUT OPERATION TO AVOID PENALTIES

INCOME TAX				WITHHOLDING TAX - EXPANDED	
SINGLE PROPRIETOR 1701Q		CORP/PART/ASSOC 1702Q		1601E	10 th day of the following month
1 st Quarter	APR 15	1 st Quarter	MAY 30	1604E	Annual Information Return - March 01
2 nd Quarter	AUG 15	2 nd Quarter	AUG 29	WITHHOLDING TAX - COMPENSATION	
3 rd Quarter	NOV 15	3 rd Quarter	NOV 29	1601C	10 th day of the following month
1701	APR 15	1702	APR 15	1064CF	Annual Information Return - January 31

* BOOKS OF ACCOUNTS

* AUTHORITY TO PRINT INVOICES / RECEIPTS

RENEWAL OF ANNUAL REGISTRATION FEE ON OR BEFORE
JANUARY 31 USING BIR FORM 0605

IMMEDIATELY INFORM THIS DISTRICT OFFICE IN CASE OF
TRANSFER/CESSATION OF REGISTRATION AND OTHER
CONCERNS BY FILING BIR FORM 1905

VAT		PERCENTAGE TAX	
2550M	20 th day of the following month	2551M	20 th day of the following month
2550Q	every 25 th day after the close of each quarter		

I HEREBY CERTIFY THAT THE ABOVE NAMED PERSON IS REGISTERED AS
INDICATED ABOVE, UNDER THE PROVISIONS OF THE NATIONAL INTERNAL
REVENUE CODE, AS AMENDED.

HONORATA S. AGUILAR

REVENUE DISTRICT OFFICER (signature over printed name)



COR update October 11, 2013
Change registered Address from
#89 gov. F.T San Luis Brgy. Puybuy Bay Laguna

THIS CERTIFICATE MUST BE EXHIBITED CONSPICUOUSLY IN THE PLACE OF BUSINESS

EN

Republic of the Philippines
Province of Laguna
MUNICIPALITY OF BAY

BUSINESS LICENSE and MAYOR'S PERMIT
2025

Pursuant to the provision of Municipal Tax Ordinance No. subject to existing laws, ordinances, rules and regulation to conduct or engage in business, trade, profession, occupation, this Business License and Mayor's Permit is hereby granted to:

MAIN INDUSTRIAL SALES AND MARKETING

Business Name

BRGY. PUYPUY BAY, LAGUNA

Business Address

LLANTO LAILANI G.

Proprietor/Owner

TRADING

Line of Business

No. 0093

Business Permit No.

This permit may be revoked at anytime when necessary to protect the public interest or for violation of any provisions of our existing laws, ordinance, rules and regulations governing the operations and maintenance of the same.

WITNESS MY HAND AND SEAL this 8th day of January 2025 at BAY, LAGUNA

Paid under O.R No.	:	4036925
Date	:	1/8/2025
Total Tax Paid	:	5,115.00
Mode of Payment	:	Quarterly
Business Status	:	Renewal

Approved by:

JOSE O. PADRID
Municipal Mayor



This permit shall be valid until December 31, 2025 and must be renewed within the first (20) days of January of the succeeding year unless revoked or declared null and void for a cause. Failure to renew within the time shall subject the taxpayer to a 25% surcharge of the unpaid taxes, fees, and charges due plus an interest of 2% per month thereon. This must be posted in a conspicuous place within the business establishment and must be presented upon demand by the proper authorities. Surrender this permit upon termination or retirement of business to avoid tax liability.

"PARA SA TULOY-TULOY NA PAGSULONG SA BAYAN NG BAY"

MAJIN Industrial Sales & Marketing, is a manufacturing and trading company that main line of business are importation and assembly of high quality air filter products for the Semicon / Electronics, Automotives, Pharma / Laboratory, Food and Beverages and other industries. We believe that our success is built upon our client success. Our production facility produces filters of highest quality and efficiency.

Some of the regular clients are as follows:



ON Semiconductor®



Electro Mechanical Devices for Next >>



AUTOMATED TECHNOLOGY (PHIL.) INC.



The company aims to conduct business with conformity with the following forms:

**Total Quality Commitment and After Sales Services
Services Delivered by Professionals Qualified and Competent
personnel to endeavour in research and development, to
constantly keep track of the latest technologies and meet the
needs of the technological age.**

PRODUCT LINES

To support its total quality service, Majin Industrial Sales & Marketing provides only the best significant products, recognizes and accepted in the air and water treatment industry as follows but not limited to:

AIR FILTERS

- Disposable Pleated Air Filter
- Washable Roll Filter
- Extended Surface Bag Filter / Pocket Filter
- Rigid Filter
- Aluminum Separator Type Medium Filter
- Mini-Pleat Type Medium Filter
- Mini-Pleat V-Type Hepa Filter
- V-Bank Hepa Filter
- Hepa Ceiling Module
- Terminal Module Hepa Filter

CLENROOM EQUIPMENT / MATERIALS

- ESD Tiles
- Fan Filter Unit
- Air Shower
- Pass box
- Laminar Flow
- Anti Static enclosure

WATER FILTER

- (Ametek, Osmonics, Hydrosep, Pureflo, Filtercore, Millipore)
- Wound Type (Depth filter /sediment filter) 0.5-200microns
 - Pleated Type (Surface filter &Bacterial) 0.1-40microns
 - Big blue housing & Cartridges
 - Spun type
 - Carbon Filter (GAC)

MEDIA FILTER

- Granular activated Carbon
- Activated Carbon powder
- Anthracite
- High grade silica sand

INDUSTRIAL SAFETY SUPPLIES

- Hard hat
- Body Vest Clothing
- Fall harness / belts
- Safety shoes
- Hand gloves
- Eye goggles

INSTRUMENTATION

- Air Flow meter
- Water Flow meter
- Water and air gauges
- Valves

OFFICE FURNITURE SYSTEM

- Chairs
- Steel Cabinet
- Tables
- Partition (Office Cubicle)
- Multipurpose File Storage
- Movable Rack

PACKAGING MATERIALS

- Corrugated Box
- Plastic Pallet
- SD Packaging Tape (thermal Tape)
- Static Shielding Bag
- PE Bag
- Silica Gel
- Stretch Film

Cleantech Air filters

Synthetic

Media Rolls

Application: For use as a pre filter in air conditioning Available in pre-cut pad sizes, standard grade media From medium to heavy dirt loading conditions No-toxic.non-allergenic
Color choose: white or blue white Efficiency: G2, G3, G4 Arrestance efficiency: 65%~ 95%
Temperature: 80 ~100 degree C maximum in continuous
Humidity:80 % RH



Mainly absorbs the larger particles to prevent the early ceiling filter block, it is made from hardened fiber and is covered with glue for hardening and stabilizing the fiber, the hardness and density are better than the same kinds of products, the primary filtration efficiency and the air flow rate have been increased

model	Dimension	Thickness	Velocity /pressure drop m/s / Pa	Final resistance (Pa)	Efficiency /class	Dust holding capacity(g)	Weight Gr/sqm
AZ-150G	2×20 1×20 1.25×20 16×20 meters	12 mm	0.6 / 15	200	75% G3	276	150
AZ-100G		10mm	2 / 18		65% G2	235	100
AZ-200G		15 mm	0.5 / 16		82.7% G4	305	200
AZ-250G		15 mm	0.4 / 17		85 % G4	345	250
AZ-300G		18 mm	0.45 / 16		88.5% G4	385	300

Floor

filter roll

Application: capturing mist from spray booth and painting equipment systems or adsorbing the soot from kitchen chemical industry,finally make the exhaust environmental.

Color choose: white-green

Efficiency: G2,G3,G4

Arrestance efficiency: 60-80%

Temperature: 170 degree C maximum in continuous

Humidity: 100 % RH



model	Dimensions	Thickness	Velocity /pressure drop m/s / Pa	Final resistance (Pa)	efficiency(class)	Dust holding capacity(g)	Weight Gr/sqm
LHY-250G	2×20 08×20	50mm	1.20 / 13	250 ~400	67.6% G2	3540	250
LHY-300G		60mm	1.05 / 15		76.6% G3	4330	300
LHY-350G		100 mm	0.25 / 25		86 % G4	5200	350

Are backed with imported PE or common non flammable net scrim.

The series of ceiling filters are mainly used in advanced industries such as car painting, hi-tech electronics, aerospace and other military areas.

The outlet side of the filter media is reinforced by imported PE net or common non-flammable net, high flame resistance, high dust holding capacity, low initial resistance, safe and reliable.

Composited of imported high-performance, anti-broken synthetic fiber in gradual technology; due to complete penetration of viscosity in media, dust particles can not pass. Fully filtered air evenly spreads to form a laminar flow state to achieve the best spray results.

Conforming to European DIN53438-F1 and American UL900-Class 2

The outlet side is printed with EN-779 standard classification, DIN log & the trade-mark.

Moisture resistance, up to 100% relative humidity.



Application: ceiling filtration at spray booth, standard spraying system, air clean system pre-filtration, flow decentralization effect at ventilation system.

Color choose: white

Efficiency: F5

Arrestance efficiency: 92%

Temperature: 120 degree C maximum in continuous

Humidity: 100 % RH

model	Dimensions	Thickness	Velocity /pressure drop m/s / Pa	Final resistance (Pa)	efficiency(class)		Dust holding capacity(g)	Weight Gr/sqm
VIF/TWA-500G	2×20 1×20 1.6×20 12×30	20 mm	0.28 / 20	400	92%	F5	340	500
VIF/TWA-520G		20 mm	0.27 / 22		92.5%	F5	362	520
VIF/TWA-560G		20mm	0.26 / 23		93.1%	F5	375	560
VIF/TWA-600G		22 mm	0.25 / 25		96%	F5	425	600

VIF : scrim mesh, TWA: cloth backing

pre

air filter

Application: Pre filtration in air conditioning or industrial processing systems.

Type: Coarse grade filter.

Frame: Standard galvanised mild steel or paper frame

Media: Synthetic / glass fibre.

EN 779:2002 efficiency: G2, G3, G4.

Arrestance efficiency: 65% – 90%.

Eurovent 4/5 efficiency: EU2, EU3, EU4.

Temperature: 80° C maximum in continuous service.

Humidity: 100% RH.

Optional: Alternative frame materials and size available on request



model	Outside Dimensions (mm)	Rated air flow (m ³ /h)	Initial resistance (Pa)	Efficiency(class)		Filter media
CXZ-32J	595 × 595 × 46mm 24" × 24" × 2"	3200m ³ /h	25Pa	80~95% (arrestance)	G3 G4	(Green, blue, white etc) Synthetic fiber
CXZ-32JH	595 × 595 × 22mm 24" × 24" × 1"	1600m ³ /h				
CXZ-27J	595 × 495 × 46mm 24" × 20" × 2"	2700m ³ /h				
CXZ-27JH	595 × 495 × 22mm 24" × 20" × 1"	1350m ³ /h				
CXZ-22J	495 × 495 × 46mm 20" × 20" × 2"	2200m ³ /h				
CXZ-22JH	495 × 495 × 22mm 20" × 20" × 2"	1100m ³ /h				
CXZ-22J16	395 × 622 × 46mm 16" × 25" × 2"	2200m ³ /h				
CXZ-11Jh16	395 × 622 × 22mm 16" × 25" × 1"	1100m ³ /h				
CXZ-18J	395 × 495 × 46mm 16" × 24" × 2"	1800m ³ /h				
CXZ-18JH	395 × 495 × 22mm 16" × 24" × 1"	900m ³ /h				
CXZ-16J	595 × 295 × 46mm 24" × 12" × 2"	1600m ³ /h				
CXZ-16J	595 × 295 × 22mm 24" × 12" × 1"	800m ³ /h				
CXZ-13J	495 × 295 × 46mm 20" × 12" × 2"	1300m ³ /h				
CXZ-13JH	495 × 295 × 22mm 20" × 12" × 1"	650m ³ /h				
CXZ-8J	295 × 295 × 46mm 12" × 12" × 2"	800m ³ /h				
CXZ-8JH	295 × 295 × 22mm 12" × 12" × 1"	800m ³ /h				

Activated

Carbon air filter

offers range of combination of Activated Carbon and Activated Alumina impregnated with proprietary chemicals which destroy any gaseous contaminant like H₂S, SO₂, Cl, NH₃, etc. and are widely used for gas phase filtration.

Application: adsorption of odours and gases for OA treatment unit, used for air circulation range such as MAU, CFU,

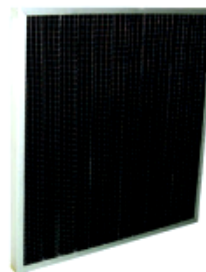
Type: granular carbon panels

Frame: Standard galvanised mild steel or paper frame

Mediawide spectrum carbon (check follow different type carbon pellets)

Temperature: 40° C maximum in continuous service.

Optional: Alternative frame materials and size available on request.



model	Outside Dimensions (mm)	Rated air flow (m ³ /h)	Initial resistance (Pa)	Efficiency(class)	filter media
HS-S-100-S	610×610×125mm	3400m ³ /h 55.8m ³ /min(2.5m/sec)	150Pa	≥90% H ₂ S	Honeycomb activated carbon/ alphasorb 515

Fluted Media Chemical Filter has high “%” impregnation of Potassium Permanganate (typical 15 % of KMNO₄) The substrate is of inorganic fiber media.

AlphaSorb 508 media is Activated Alumina impregnated with Potassium Permanganate and other proprietary chemicals.

It is used to remove a variety of contaminant gases from air in hostile industrial environment such as Hydrogen Sulfide, Sulphur Dioxide, Sulphur Trioxide, Nitric Acid, Formaldehyde, Ethylene, Organic/inorganic acid vapors, etc

AlphaSorb 515 media is Activated Alumina and Activated Carbon impregnated with Potassium Hydroxide and other proprietary chemicals.

It is basically lowering or raising of the pH to a neutral condition with a change of state from a gas to a solid, stable salt. This is good to remove gases like Hydrogen Sulfide, Sulphur dioxide, Chlorine, etc.

AlphaSorb 520 media is Pure Activated Carbon. This is neutral in nature. which one substance gets attracted and adheres to the surface

This can remove toxic gases like Chlorine, Nitrogen Oxide, Carbon Di sulfide, Toluene, Isopropylalcohol, trichloroethene, etc.

AlphaSorb 525 media is a special grade of granular Activated Carbon with appropriate levels of acid compounds.

Used in gaseous adsorption such as Ammonia ? Gas Phase Activated Carbon process which greatly increases the adsorption capacities of Activated Carbon.

It can be installed in a narrow place, because we design the thickness of media according to the air velocity by location.

Chemical filter

light weight,easy installment, incinerable ,no pollutants
good adsorption, of low concentration of organic pollutants,
sulfur dioxide,carbon dioxide and other harmful gases
good for comfort central air conditioning design

frame : ABS plastic

separator: honeycomb (paper or aluminum or plastic base)

dust cloth: nylon mesh

media: granular activated carbon

sealant: polyurethane

Optional: Alternative frame materials and size available on request



model	Outside dimensions (mm)	Rated air flow (m ³ /h)	Initial resistance (Pa)	Removal Efficiency (%)	Filter materials
HX2V-8J	287×287×292	800	≤200	75	Iodine value:60-1100
HX4V-15J	287×490×292	1500	≤200	75	
HX4V-18J	287×592×292	1800	≤200	75	
HX4V-36J	592×592×292	3600	≤200	75	

good adsorption of low concentration of organic pollutants,
sulfur dioxide,carbon dioxide and other harmful gases

Application :museums ,libraries,luxury hotels,office buildings,airports,
high end private clubs etc air conditioning systems

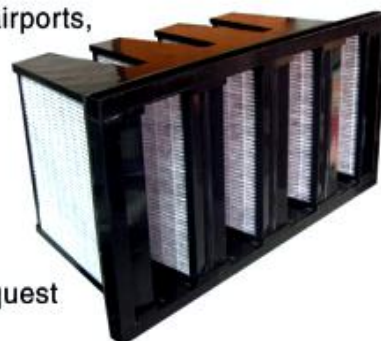
frame: ABS plastic

separator: Hot melt

media: granular activated carbon and synthetic fiber

sealant: Polyurethane

Optional: Alternative frame materials and size available on request



model	Outside dimensions (mm)	filtering Area (m ²)	Initial resistance (Pa)	Rated Airflow (m ³ /h)	Filter materials
FHX2V-32J	592×592×292	9.0	≤90	3200	Compound activated carbon
FHX4V-27J	592×490×292	7.1	≤90	2700	
FHX4V-16J	287×592×292	4.5	≤90	1600	
FHX2V-8J	287×287×292	2.2	≤90	800	

High temperature resistant coarse filters

Application: high clean air purification oven or tunnel furnace

Type: panels

Frame: Standard galvanised mild steel or stainless steel

Media wide :

Temperature: 180–250° C maximum in continuous service.

Optional: Alternative frame materials and size available on request.



model	Outside Dimensions (mm)	Rated air flow (m ³ /h)	Initial resistance(Pa)	Efficiency (class)	Model of filter media	The highest temperature
C15J	500×250×25mm 20" ×10" ×1"	1500m ³ /h	25Pa	G3	Imports of synthetic fiber cotton	180–250℃
C30J	500×500×25mm 20" ×20" ×1"	3000m ³ /h				
C42J	595×595×25mm 24" ×24" ×1"	4200m ³ /h				

High temperature resistant efficiency air filter

Application: Protection of ultra-clean processes at high temperatures.

Frame: Stainless steel.

Gasket: Glass fibre.

Media: Glass fibre paper.

Separator: Aluminium.

Sealant: silicone, Ceramic, glass fibre.

DOP efficiency: 99.97% .

Temperature: 250–350° C in continuous service

Optional: Alternative frame materials and size available on request.



model	Outside dimensions (mm)	Rated air flow (m3/h)	Initial resistance (Pa)	Efficiency (%)	Weight (kg)
NGX-5.8J	305×610×150	580	≤220	≥99.99	6
NGX-11.25J	457×457×150	1125	≤220	≥99.99	8
NGX-9J	457×610×150	900	≤220	≥99.99	10
NGX-10J	610×610×150	1000	≤220	≥99.99	12
NGX-19.25J	915×610×150	1925	≤220	≥99.99	16
NGX-10J1	484×484×220	1000	≤220	≥99.99	12
NGX-16J	630×630×220	1600	≤220	≥99.99	15
NGX-15J	610×457×292	1500	≤220	≥99.99	14
NGX-26.25J	762×610×292	2625	≤220	≥99.99	19
NGX-22J	610×610×292	2200	≤220	≥99.99	17

Secondary Gas turbine cell filter

Application: Air intake for gas turbines, compressors and large engines where severe surging or pulsations occur.

Frame: Galvanised

Media: Woven dual layer glass fiber

Separator: aluminum

Sealant: Polyurethane.

Flange: singal header or double header

Grid: Spot welded face guards for both sides

EN 779:2002 efficiency: F7. F8 F9.

EN 1822 efficiency: H10.

Recommended final pressure drop: 600 Pa.

Temperature: up to 150C intermittent, 120c continuous

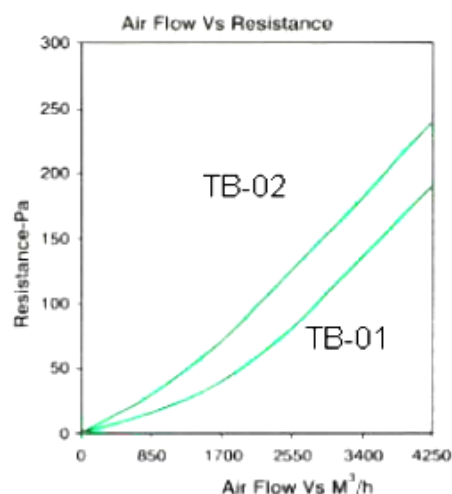
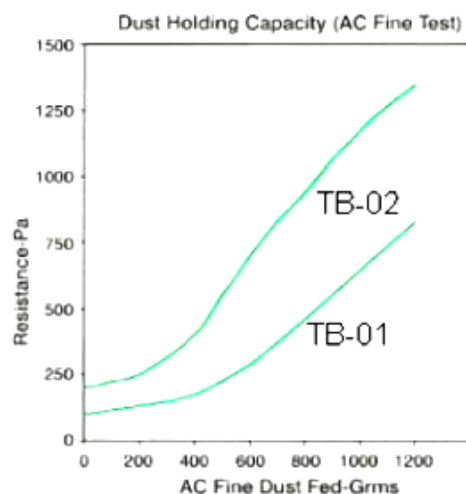
N.B: Burst pressure: > 7500 Pa.

Optional: Alternative frame materials and size available on request.

Such like available in 24/24/6(1700 m³/h) and 24/12/6(850m³/h).



Model	TB-01	TB-02
Cell size (mm) actual	592*592*292	592*592*292
Air flow (standard)	3400 M ³ /H	3400 M ³ /H
Initial pressure drop	135 Pa	180 Pa
Final pressure drop	640 PA	640 PA
Average Dust Spot efficiency	66%,F6	90%,F8
Average arrestance by weight on AC fine Test Dust	98%	99%
Dust holding capacity @ 600 pa final resistance	1100g	800g



Application: Final or return filtration for clean rooms

Type: HEPA filtering panel .

Frame: MDF Wood and anodised aluminium.

Gasket: as request

Media: Glass fibre paper.

Separator: paper or aluminum

Sealant: Polyurethane.

Recommended final pressure drop: 600 Pa.

Temperature: 70° C maximum in continuous service.

Test: 100% individually scanned to EN 1822. system

Optional: Alternative frame materials and size available on request.



model	Outside dimensions (mm)	Rated air flow	Initial resistance	Efficiency (dust-spot)	Dust capacity (g)
GX-2.5J	305 × 305 × 150	250	≤220	≥99.99	200
GX-4J	320 × 320 × 220	400	≤220	≥99.99	350
GX-6J	484 × 484 × 150	600	≤220	≥99.99	400
GX-10J1	484 × 484 × 220	1000	≤220	≥99.99	600
GX-15J1	726 × 484 × 220	1500	≤220	≥99.99	900
GX-20J1	968 × 484 × 220	2000	≤220	≥99.99	1200
GX-10J2	610 × 610 × 150	1000	≤220	≥99.99	600
GX-15J2	915 × 610 × 150	1500	≤220	≥99.99	900
GX-20J2	1220 × 610 × 150	2000	≤220	≥99.99	1200
GX-16J	630 × 630 × 220	1600	≤220	≥99.99	900
GX-24J	945 × 630 × 220	2400	≤220	≥99.99	1400
GX-32J	1260 × 630 × 220	3200	≤220	≥99.99	1800
GX-22J	610 × 610 × 292	2200	≤220	≥99.99	1200
GX-33J	915 × 610 × 292	3300	≤220	≥99.99	1800
GX-44J	1220 × 610 × 292	4400	≤220	≥99.99	2400

Application: air conditioning systems

Type: pockets

Frame: Standard galvanised mild steel or aluminum

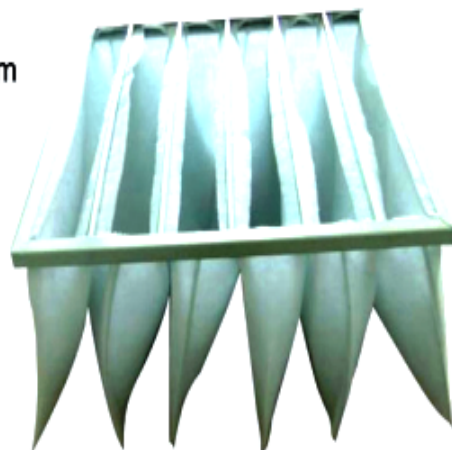
Media wide : synthetic fiber

EN779:2002 Efficiency : F5,F6,F7,F8,F9

Color: white,pink,green,yellow, deep yellow

Recommend final pressure drop: 300–450 pa

Temperature: 70C maximum in continuous service.



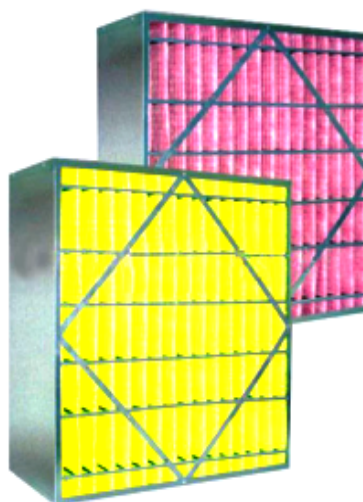
Optional: Alternative frame materials and size available on request.

Marks: F* represent efficiency level ,B*represent the numbers of pockets

model	Outside Dimensions	Rated air flow	Pressure drop (pa)			Media area m2	pockets
			F6	F7	F8		
ZXD1524F*B*	24×24×15" 595×595×380mm	2550 / 3400(F8)	37	61	140	3.8	8
ZXD1520F*B*	20×24×15" 495×595×380mm	2100 / 2800(F8)	37	61	140	2.9	6
ZXD1512F*B*	12×24×15" 295×595×380mm	1275 / 1700(F8)	37	61	140	1.9	4
ZXD2124F*B*	24×24×21" 595×595×534mm	3400	45	75	95	6.5	10
ZXD2120F*B*	20×24×21" 495×595×534mm	2800	45	75	95	5.2	8
ZXD2112F*B*	12×24×21" 295×595×534mm	1700	45	75	95	3.2	5
ZXD2424F*B*	24×24×24" 595×595×600mm	3400	50	60	80	6	8
ZXD2420F*B*	20×24×24" 495×595×600mm	2800	50	60	80	4.6	6
ZXD2412F*B*	12×24×24" 295×595×600mm	1700	50	60	80	4	4

Box type

medium air filter



Application: air conditioning systems

Type: rigid box

Frame: Standard galvanised mild steel or aluminum

Media wide : synthetic fiber

EN779:2002 Efficiency : F5,F6,F7,F8,F9

Color: white,pink,green,yellow, deep yellow

Recommend final pressure drop: 300–450 pa

Temperature: 70C maximum in continuous service.

Optional: Alternative frame materials and size available on request.

Marks: F* represent efficiency level ,B*represent the numbers of pockets

model	Outside Dimensions	Rated air flow	Pressure drop			Media area m2	pockets
			F6	F7	F8		
ZXX121220F*	495×295×295mm 20" × 12" × 12"	1390	70	90	130	3.4	9
ZXX122020F*	495×495×295mm 20" × 20" × 12"	2350	70	90	130	4.2	14
ZXX121224F*	595×295×295mm 24" × 12" × 12"	1710	70	90	130	4.55	9
ZXX122024F*	595×495×295mm 24" × 20" × 12"	2790	70	90	130	5.77	14
ZXX122424F*	595×595×295mm 24" × 24" × 12"	3420	70	90	130	7.7	18
ZXX61220F*	495×295×150mm 20" × 12" × 6"	840	65	90	175	1.6	9
ZXX62020F*	495×495×150mm 20" × 20" × 6"	1420	65	90	175	1.85	14
ZXX61224F*	595×295×150mm 24" × 12" × 6"	990	65	90	175	2.21	9
ZXX62024F*	595×495×150mm 24" × 20" × 6"	1710	65	90	175	2.57	14
ZXX62424F*	595×595×150mm 24" × 24" × 6"	2070	65	90	175	3.42	18

mini pleat HEPA ULPA air filter



Application: Final or return filtration for clean rooms with turbulent flow.

Type: HEPA /ULPA filtering panel

Frame: Extruded and anodised aluminium.

Gasket: Half round continuous expanded polyurethane.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Grid: Mild steel painted grille upstream and downstream.

EN 1822 efficiency: H14.U15

MPPS efficiency: H14: $\geq 99.995\%$; U15 $\geq 99.9995\%$;

DOP efficiency: H14: $\geq 99.999\%$; U15 $\geq 99.999\%$;

Recommended final pressure drop: 600 Pa.

Maximum flow rate: See table, use nominal values otherwise
a reduction in efficiency may occur.

Temperature: 70° C maximum in continuous service.

Test: : 100% individually scanned to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housings.

Optional: Alternative frame materials and size available on request.

model	Outside dimensions (mm)	Rated airflow (m ³ /h)	Initial resistance (Pa)	Efficiency (%)	Dust capacity (g)
GXW-7J	610×610×50	700	≤ 220 或 ≤ 140 (HV) For U14 ≤ 250 或 ≤ 180 (HV) For U15	≥ 99.99 Or ≥ 99.999	450
GXW-10J1	915×610×50	1000		≥ 99.99 Or ≥ 99.999	680
GXW-14J	1220×610×50	1400		≥ 99.99 Or ≥ 99.999	900
GXW-10J2	610×610×69	1000		≥ 99.99 Or ≥ 99.999	560
GXW-15J	915×610×69	1500		≥ 99.99 Or ≥ 99.999	840
GXW-20J	1220×610×69	2000		≥ 99.99 Or ≥ 99.999	1120
GXW-12J	610×610×80	1200		≥ 99.99 Or ≥ 99.999	650
GXW-14J	610×610×90	1400		≥ 99.99 Or ≥ 99.999	750
GXW-16J	610×610×100	1600		≥ 99.99 Or ≥ 99.999	850
GXW-18J	1170×570×69	1800		≥ 99.99 Or ≥ 99.999	1000
GXW-22J	1170×570×80	2200		≥ 99.99 Or ≥ 99.999	1250
GXW-25J	1220×610×80	2500		≥ 99.99 Or ≥ 99.999	1300
GXW-28J	1220×610×90	2800		≥ 99.99 Or ≥ 99.999	1500
GXW-32J	1220×610×100	3200		≥ 99.99 Or ≥ 99.999	1700
GXW-36J	1220×1220×69	3600		≥ 99.99 Or ≥ 99.999	2000

Box high efficiency air filter

Application: High efficiency final filtration in air conditioning systems, extraction from corrosive or hazardous environments.

Type: High air flow incinerable HEPA filter.

Frame: ABS. Or galnised

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Gasket: on quest



EN 1822 efficiency: H10, H12, H13, H14.

MPPS efficiency: H10:>85%, H13:>99.95 & H14:>99.995%.

Recommended final pressure drop: 600 Pa.

Maximum air flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 60° C maximum in continuous service.

Mounting systems: Front and side access filter frames. Terminal housings and safe change systems.

Optional: Alternative frame materials and size available on request.

model	Outside dimensions (mm)	Rated air flow (m3/h)	Initial resistance (Pa)	Efficiency (%)	No. v slot
GXX-16J	305×610×295	1600	≤250 or ≤150(HV)	H10~H14	4
GXX-32J	610×610×295	3200	≤250 or ≤150(HV)	H10~H14	4
GXX-20J	305×610×295	2000	≤250 or ≤150(HV)	H10~H14	5
GXX-40J	610×610×295	4000	≤250 or ≤150(HV)	H10~H14	5

Application: Air intake for gas turbines, compressors and large engines.

Type: High efficiency, incinerable compact filter.

Frame: Polypropylene and ABS.

Gasket: Expanded polyurethane placed on the downstream side (code 01).

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Grid: Glass fibre reinforcement grid placed downstream.

EN 779:2002 efficiency: F7, F8 F9.

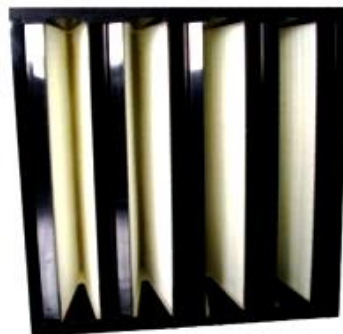
EN 1822 efficiency: H10.

Recommended final pressure drop: 600 Pa.

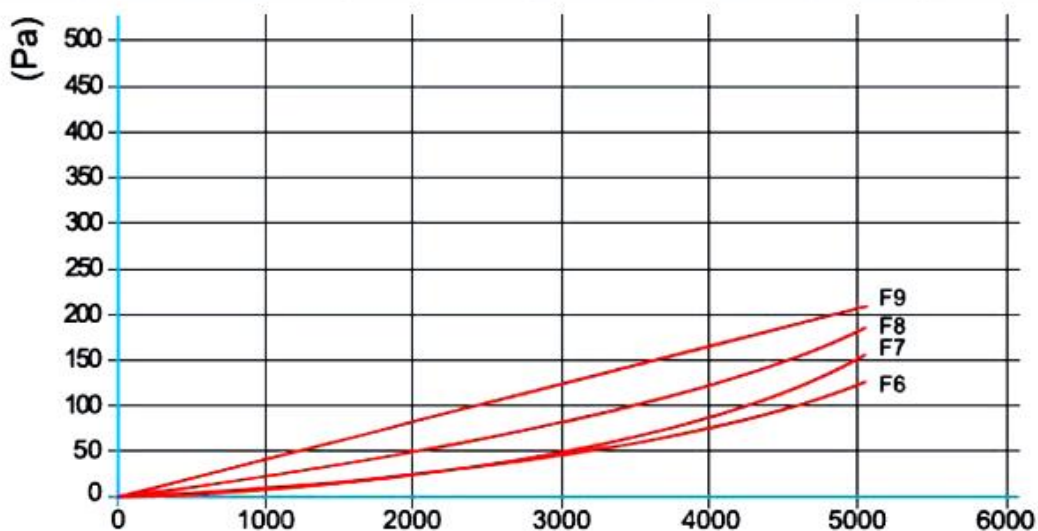
Temperature: 80° C maximum in continuous service.

N.B: Burst pressure: > 7500 Pa.

Optional: Alternative frame materials and size available on request.



model	Outside dimensions (mm)	Rated air flow (m ³ /h)	F8	F9	H10	Filter materials
sv1-1	287×287×292	890	120	160	230	2v
sv3-1	490×287×292	1600	120	160	230	3v
sv3-3	490×490×292	2700	120	160	230	3v
sv4-3	592×490×292	3300	120	160	230	4v
sv4-2	592×287×292	2125	145	180	250	4v
sv4-4	592×592×292	4250	120	160	230	4v



Compact filter with separators

Application: Air intake for gas turbines, compressors and large engines.

Type: High efficiency, incinerable compact filter.

Frame: galvanised or MDF wood

Gasket: Expanded polyurethane placed on the downstream side (code 01).

Media: Glass fibre paper.

Separator: aluminum

Sealant: Polyurethane.

Flange option: 1 1/8 inch (28.5 mm) & 13/16 inch (20 mm)

EN 779:2002 efficiency: F7. F8 F9.

EN 1822 efficiency: H10.

Air flow: 500 FPM under 12 inches depth ;250FPM under 6 inches depth

Recommended final pressure drop: 600 Pa.

Temperature: 80° C maximum in continuous service.

N.B: Burst pressure: > 7500 Pa.

Additional suze : 6inches depth

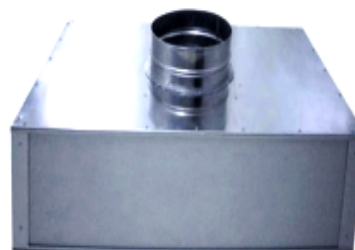
Optional: Alternative frame materials and size available on request.



model	Outside dimensions (mm)	Rated air flow (m ³ /h)	Initial resistance (Pa)	Efficiency (%) dust-spot	Filter materials
TB-7J5	287×287×292	750	≤150	95(F8)/80(F7)/60(F6)	Glass fiber
TB-12J5	490×287×292	1250	≤150	95(F8)/80(F7)/60(F6)	
TB-22J	490×490×292	2200	≤150	95(F8)/80(F7)/60(F6)	
TB-26J5	592×490×292	2650	≤150	95(F8)/80(F7)/60(F6)	
TB-16J	592×287×292	1700	≤150	95(F8)/80(F7)/60(F6)	
TB-32J	592×592×292	3400	≤150	95(F8)/80(F7)/60(F6)	

Disposable terminal ceiling modules

External frame: extruded Aluminum frame
 ceiling connect plate: galvanized or cooled-roll steel
 Sealant: polyurethane
 separator: Hot-melt
 Gasket: EVA 5mm
 EN 1822 efficiency: H14.U15
 MPPS efficiency: H14: $\geq 99.995\%$; U15: $\geq 99.9995\%$;
 DOP efficiency: H14: $\geq 99.999\%$; U15: $\geq 99.999\%$;
 Media depth: 2,3,4 inches
 Filter media: mini pleat Glass fiber HEPA filter
 thermal insulation PEF fiber : on request
 distribution plate: on request
 Duct: 8cm height,
 Diameter : 250 mm (10 inches)or 300 mm(12 inches)
 (others duct diameter or request ; inlet collar designed
 with continuous rib to help retain the ductwork on collar.)
 Use the highest temperature, humidity: 80°C、80%



Optional: Alternative frame materials and size available on request.

Classification:

- 1: Adjustable distribution plate: tuning the airflow from roomside, Dampers in the HVAC systems are suggested.
- 2: butterfly damper for wider adjustment of airflow from roomside. the option includes a fixed distribution plate and Swaged inlet. Dampers in the HVAC systems are recommended.
- 3: Fixed distribution plate without air flow adjustment, all dampers are in the HVAC system.
- 4: PharmaGel replaceable HEPA Filter ceiling module , casing separate the mini pleat HEPA filter, guarantee hundred percentage DOP test passed.

model	Outside dimensions (mm)	Rated air flow (m3/h)	Initial resistance (Pa)	Efficiency (%)	Dust capacity (g)
CYH-10J	610×610×150	1000	≤ 220	≥ 99.99	600
CYH-15J	915×610×150	1500	≤ 220	≥ 99.99	900
CYH-18J	1170×570×150	1800	≤ 220	≥ 99.99	1070
CYH-20J	1220×610×150	2000	≤ 220	≥ 99.99	1200

diffuser DOP Gel
sealed HEPA box

Application :used in hospital operating rooms, laboratories or Pharmaceutical Clean room

frame: cold roll steel with coated/ SS304

Filter: Gel seal mini pleat HEPA filter or hepa filter with separator

air control: manual valve or actuator

PAO Dust dispersing port, PAO upstream sampling test port.

diffusing plate: coated cold steel/coated aluminum/SS304

EN 1822 efficiency: H14.U15

MPPS efficiency: H14: $\geq 99.995\%$

DOP efficiency: H14: $\geq 99.999\%$.

Recommended final pressure drop: 600 Pa.

Temperature: 70° C maximum in continuous service.

Test: : 100% individually scanned to EN 1822.

Mounting system: Mechanical clamping structure,

Optional: Alternative frame materials and size available on request.

Remarks: The darker shade sheets represent side edge seal HEPA filter;

Other models are knife edge seal HEPA filter.



FILTER SIZE	Casing size		FACE VELOCITY	AIR FLOW	Round duct size	square duct size	INITIAL D.P	INITIAL D.P.
	TOP INLET	SIDE INLET						
L×W×H (mm)	L×W×H (mm)	L×W×H (mm)	m/s	m3/h	(mm)	L×W (mm)	PAOH13(Pa) (99.97%@0.3um)	PAOH14(Pa) (99.99%@0.3um)
430×430×80	500×500×280	500×500×450	0.75	500	250	200×200	185	202
400×400×90	500×500×290	500×500×460						
610×610×80	680×680×280	680×680×450	0.75	1000	300	300×200	185	202
530×530×90	630×630×290	630×630×460						
915×610×80	985×680×280	985×680×450	0.75	1500	350	400×200	185	202
650×650×90	750×750×280	750×750×450						
1220×610×80	1290×680×280	1290×680×450	0.75	2000	350	500×200	185	202
1060×530×80	1160×630×280	1160×630×450						
1220×915×80	1290×985×280	1290×985×450	0.75	3000	450	600×200	185	202
1060×795×80	1160×895×280	1160×895×450						

Sub-high

efficiency air filter

Application: Final or return filtration for clean rooms with turbulent flow.

Type: ASHARE filtering panel .

Frame: Extruded and anodised aluminium.

Gasket: Half round continuous expanded polyurethane.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Grid: Mild steel painted grille upstream and downstream.

Recommended final pressure drop: 600 Pa.

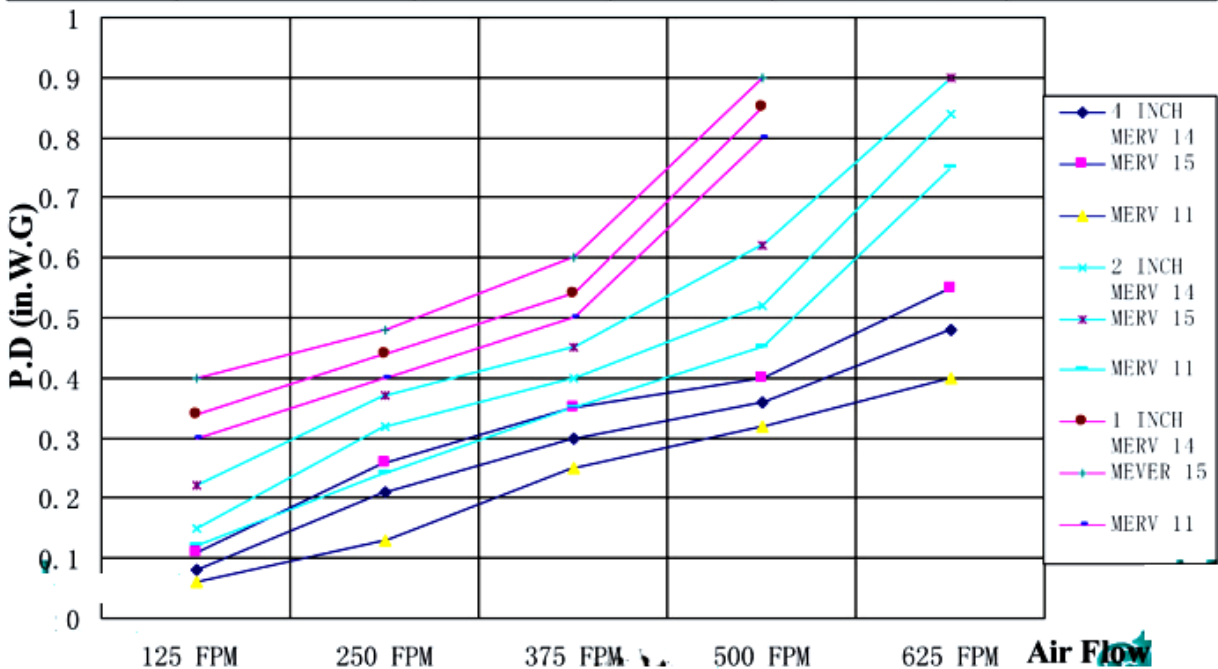
Temperature: 70° C maximum in continuous service.

Test: 100% individually scanned to EN 1822. system

Optional: Alternative frame materials and size available on request.



model	Outside dimensions (mm)	Rated air flow (m ³ /h)	Initial resistance (Pa)	Dust spot Efficiency (%)	Filter
SH1-1-2/4	292×292×45/95	600/750	≤125	95(F8)/99(F9)	Polypropylene Or glass fiber
SH4-1-2/4	594×287×45/95	1200/1500	≤125	95(F8)/99(F9)	
SH1620-2/4	394×495×45/95	1400/1700	≤125	95(F8)/99(F9)	
SH2023-2/4	394×622×45/95	1750/2150	≤125	95(F8)/99(F9)	
SH2020-2/4	495×495×45/95	1750/2150	≤125	95(F8)/99(F9)	
SH4-3-2/4	595×495×45/95	2100/2600	≤125	95(F8)/99(F9)	
SH2025-2/4	495×622×45/95	2200/2750	≤125	95(F8)/99(F9)	
SH4-4-2/4	595×595×45/95	2500/3100	≤125	95(F8)/99(F9)	



This fan filter unit was adopt series of domestic newest technology, suitable for 100,000–100class clean environment and obtain the highest grade of clean environment.100, it is different for different size, cleanliness level of cleanroom microenvironment, provide high quality and clean air. Widely applied in cleanrooms, clean bench, clean production, the assembly type clean room and laminar flow hood and other applications. High–tech and humanization of computer software system that ensure one single central computer monitoring system to control more than 7905 fan filter unit ,whilst can design according to customer requirements for additional monitoring system . Connect many FFU units in line to form a 100 level assembly line .

frame: Stainless steel or coated cold–roll steel Or galvalume

Fan: low vibration, low noise ,EBM BLOWER as request

air flow : 0.45 m/s

Purification at the highest level: 100 Class

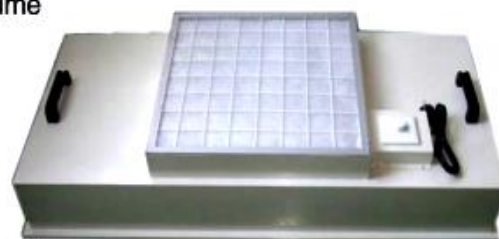
Filter : mini pleat HEPA filter

System control mode: DC or AC or EC fan control on request

Use the highest temperature, humidity: 80℃、80%

Configuration option : remote control handset, group control unit

Optional: Alternative frame materials and size available on request.



model	FFU-1175S	FFU-122S	FFU-117S	FFU-61S	FFU-57S
Parameters	FFU-1175Z	FFU-122Z	FFU-117Z	FFU-61Z	FFU-57Z
Nominal volume (m ³ /h)	2400	1600	1200	600	530
Noise Db(A)	52-58 dbA	52-58dbA	52-58dbA	52-58dbA	52-58dbA
Hepa filter efficiency	≥99.99% ~ 99.9995% (@≥0.3 μ m)				
power	AC220V/110V±10%,1/3 ϕ 50Hz~60HZ				
The Out power (W)	250 (two fans)	150	150	120	75
L*W*H(mm)	1175*1175*340	1220*610*320	1170*570*320	610*610*320	570*570*320
Hepa filter (mm)	1170*1170*69	1220*610*69	1170*570*69	610*610*69	570*570*69
Pre filters (mm)	360*380 *8 mm normal (or without ,only protection grid on top)				

Laminar Flow Air Supply Ceiling

As the development of the modern medical science and technology,

the hospital operating room' s structure design is gradually

realizing the functional diversification and striding towards

the modern direction. The prefabricated steel structure of the

operating room' s design is in accordance with the

requirements of the purification and the elastic design. And after

10 years of improvements, it becomes reliable, economical and

practical, and has been used widely in various large and medium-sized hospitals at

home and abroad.



In accordance with the purification class, laminar flow air supply ceiling is divided into Class 5/6/7/ 8 /9 (ISO14644-1) laminar flow air supply ceiling, or classified to burn ward, blood ward and ophthalmic operating room laminar flow air supply ceiling, etc.

laminar flow air supply ceiling materials and advantages

a. Plastic-sprayed electrolytic plate and stainless steel materials can be selected by customers.

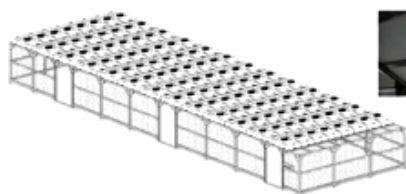
b. The T type special aluminum configured with spring clip-on installation makes the maintenance and installation convenient and time-saving.

c: The DPP equalizer net makes the air more uniform and gentle. The medium speed airflow compensation device is optional.

d. The high efficiency air filter can be decorated to two kinds of air supply, side air supply and roof air supply. the other specification is available.



Model	P11-TH01-000	P11-TH02-000	P11-TH03-000	P11-TH03-001	P11-TH01-000	P11-TH04-000
Class	Class 5	Class 6	Class 7/8/9	Burn ward	Blood ward	Ophthalmic OT
Ceiling dimension	2600*2400*450	2600*1800*450	2600*1400*450	2600*1400*450	2600*2400*450	1500*1500*450
Installation type and HEPA filter size	laying					
	920*1140*69	920*840*69	920*610*69	920*610*69	920*1140*69	690*422*69
Hepa filter QTY	4	4	4	4	4	4
Air flow (m/s)	0.45	0.3	0.23	0.23	0.45	0.45
Initial pressure drop(pa)	125	100	80	80	125	125
Installation type and HEPA filter size	Standing					
	610*305*292	610*305*292	610*305*292	610*305*292	610*305*292	610*305*292
Hepa filter QTY	8 up to 10	4 up to 6	2 up to 4	3	8 up to 10	4



洁净棚



Clean booth is the most quick and easy creation of a simple clean room , provide local high air purification equipment.

for partial purification of areas of high -level requirements , such as assembly line work area , high-precision product assembly area.

the air inhaled by fan from the top though the primary filter , HEPA filtered , filtered clean air in the outlet side meet to $0.45\text{m/s} \pm 20\%$ of the wind blowing into clean booth , forming equalizing laminar flow and vertical unidirectional flow clean air stream , thus ensuring the work area in required cleanliness.

Advantages:

- 1:Assembly structure design , easy installation
- 2:greatly shorten the delivery cycle
- 3:easy to move for the construction of a small area clean area
- 4:Modular structure, easy to raise the level of purification
- 5:easy to expand the size , and the high reuse value
- 6:compare to clean benches, effective internal space available
- 7:compare to the traditional cleanroom , low cost, fast construction and no low floor height limitation
- 8:no specific standard size,price to be quote after design came out

Species

Anti-static curtain clean booth acrylic plate clean booth Tempered glass clean booth

Class level

ISO Class	Fed 208	Controls	HEPA Coverage as % of Ceiling
1	-	Stringent	100
2	-	Stringent	100
3	1	Stringent	100
4	10	Stringent	100
5	100	Stringent	100
6	1,000	Intermediate	33 - 40
7	10,000	Intermediate	10 - 15
8	100,000	Less Stringent	05 - 10

ISO Class	Fed 208	Controls	Air Velocity at table level in FPM	Air Changes Rate per Hour
2	-	Stringent	70 - 130	>750
3	1	Stringent	70 - 130	>750
4	10	Stringent	70 - 110	500 - 600
5	100	Stringent	70 - 90	150 - 400
6	1,000	Intermediate	25 - 40	60 - 100
7	10,000	Intermediate	10 - 15	25 - 40
8	100,000	Less Stringent	3 - 5	10 - 15



Air shower shower room

Air shower is equipment of cleanroom and fabricated small Room, used for blowing off ppl's and belongs's carry on dust, as well as act as air valve usage, preventing air into the cleanroom without purification which effectively prevent the cleanroom be polluted. The air by the action of fan through the primary filter access Air to plenum chamber, after through HEPA filter cleaning, by the highly speed blowing through air shower nozzle which direction can be adjusted. the blowing off dust was recycling to the pre filter to achieve ppl and goods and air shower's indoor self-recycling clean systems



System : infrared Automatic reaction system,

Interlock :electric/ mechanical

Showing time: The 0-99 seconds adjustable (99s factory defaults)

Structure :open side by side or right-angle to open the door

External frame: Stainless steel or coated cold-roll steel

Door, floor, nozzle and panel: stainless steel

Filter :primary and hepa filter

Fan: low vibration, low noise, imported or domestic fan

Winds: 20~28 m/s

Power:220v/110v/380v

Optional: Alternative frame materials and size available on request.



Specifications	FL1R115	FL1R1401	FL2R1402	FL3R1403	FL1800	FL2100
L×W×H(mm) Air shower room size	1150×1000×2050	1400×1000×2050	1400×1600×2050	1400×2000×2050	1800×2000×2050	2100×2000×2050
L×W×H (mm) The showing area size	790×910× 1930	790×910× 1930	790×1530×1930	790×1910× 1930	1200×1910× 1930	1500×1910× 1930
HEPA filter nos	610*610*100 mm 1 pc	610*610*100 mm 2 pcs	610*610*100 mm 2 pcs	610*610*100 mm 4 pcs	610*610*100 mm 4 pcs	610*610*100 mm 4 pcs
Nozzle number (pc)	6	12	18	24	24	24
efficiency	99.99 % 0.3 um (H14)					
wind (m/s)	20~28					
power	3phase 380V 50HZ(option:220V ,3 phase or 220 V 1phase etc)					
Power (KW)	0.75	1.5	2	2.2	3	4.5
Suitable Numbers	1~2	1~2	3	4	many	many

Pass Box is general auxiliary equipment for cleanroom, mainly in the usage of clean between clean zone or the unclean and clean areas small items transmission, in order to reduce clean room door's opening times, minimize the pollution

Frame : powder coated cold rolled steel or stainless steel

Internal: stainless steel

Interlock : mechanical or electrical (side door cannot

Open at one time)

Optional: Alternative frame materials and size available on request.



Specifications	pb-1C	pb-2C
(L×W×H) mm overall dimension	700×400×600	800×600×700
(L×W×H) mm Internal dimensions	500×400×500	600×600×600

Air shower pass box have dual function as a gate and lock passed Items must be air showed after enter cleanroom, so it can be effectively prevent passed item be carried dust or bacteria into the clean room.

Outer frame : cold rolled steel or stainless steel

internal: stainless steel

Filter: pre filter and HEPA filter

Fan: low vibration, low noise, imported or domestically fans

Subsidiary parts: Intercom, Ultraviolet sterilization lamp

Optional: Alternative frame materials and size available on request.



Specifications	spb-C1	spb-C2
(L×W×H) mm overall dimension	950×680×1550	1120×840×1680
(L×W×H) mm Internal dimensions	600×600×600	800×800×800
Nozzle number and air flow	4、18~22 m/s	5、18~22 m/s
Power supply	380V、50HZ、0.75KW	380V、50HZ、1.1KW

CLEAN BENCH

Clean bench is special local high purity device, widely used for local cleanliness required area industries laboratory, biopharmaceuticals, photo electricity electronics, microelectronics, etc, the clean bench, according to the direction of flow there is Horizontal and vertical flow clean bench, according to the structure divide into unilateral and bilateral operation two forms



Outer frame :cold-roll powder coated or stainless steel
working table board: stainless steel with ultraviolet lamps

Classification : vertical flow or horizontal flow

Operation kinds:single side or bilateral (two sides)

Fan: low noise and little vibration and Adjustable speed
ebm fan or domestic centrifugal fan

Filter: HEPA filter 99.99%0.3micro/ULPA

Side baffle : tempered glass

Configuration : control panel ,drawer,LED light etc

Optional: Alternative frame materials and size available on request.



Specifications	V-915	V-122	V-164	H-840	H-1300
L×W×H Overall	1035×740×1750	1340×740×1750	1640×740×1750	840x825x1460	1300x825x1460
L×H×W mm Working area	945×700×700	1240×700×700	1560×700×700	820x545x610	1280x525x610
L×W×H mm Hepa filter	915×610×69	1220×610×69	915×610×69 610×610×69	760×610×69	1220×610×69
Air flow (m ³ /h)	1500	2000	2500	1250	2000
velocity (m/s)	0.3~0.8 Adjustable				
Purification level	100 Class (federal standards 209E , ISO 5)/ 10 Class				
Noise/ illumination /fluorescent	≤ 65 db(A) 300 Lx; 220V AC、50Hz (110v AC,60hz or 50hz Optional)				
	20w	30W	40W	20W	30W
Power supply and power	0.18KW	0.22KW	0.36 kw	0.4KW	0.6KW
Suitable Numbers	Single	double	Double	Single	Double

Class II A2 LAMINAR FLOW CABINET

Application: for chemical lab operation to lab and phamaceutical industry.

Type: CLASS II 70% Air recirculation,30% air exhaust

Frame: cold rolled steel with coated,working table SUS 304

Filter : HEPA filter two pcs

EN 779:2002 efficiency: H14 .

DOP /MPPS efficiency: 99.999 %./99.995% @0.3 um

Power: 110/220v single phase.50/60 hz

Fan: american fan

Configuration:

LCD display

(fan and light on/off,uv light ,filter working hours.,

humidity,temperature indicator ,filter replacement warning system,

front window automatic control under regulated boundary ,working hours set)

Interior : water or gas tap ,waterproof socket (normal in two pcs)

Main body: power lock to ensure no other person to operate

Optional: Alternative frame materials and size available on request.



model	Outside dimensions (mm)	Inside dimensions(mm)	Gross weight(kgs)	UV LAMP	Light	consumption
AII1100	1100×750×2250	940×600×660	255	18W*1	21w*2	760w
AII1300	1300×850×2200	1100×600×660	305	18W*1	21w*2	1060w
AII1500	1500×840×2280	1300×700×630	350	30W*1	28w*2	1300w
AII1870	1870×750×2290	1710×600×660	390	40W*1	40w*2	1350w
AII1950	1950×800×2305	1800×600×660	420	40W*1	40w*2	1700w

Powder Recycle

filters cartridges

High precision, and can handle the recovery of ultrafine powder

Air filter, can handle the high velocity, high dust occasion.

The filter cores cover adhesive by imported high strength epoxy resin.

Sealing material extremely rich elasticity, wear-resisting, prevent leakage and powder compatible

Cover: galvanized

Sealant: polyurethane

Gasket: rubber

Filter media: PTFE, polyester fiber or antistatic polyester or wood pulp cellulose

Solving particle precision : 1um

Use the highest temperature, humidity: 80℃、80

Optional: Alternative frame materials and size available on request



Model	O.D(mm)	I.D(mm)	Length (mm)	Resistance(Pa)	Efficiency (%)	Air flow (m ³ /h)	Reverse blow pressure (kg/cm ²)
F3260	320	220	600	50	1 μ 56.	1200	6—8
F3266	320	220	660	50	2~3 μ 80.5	1300	6—8
F3290	320	220	900	50	3~5 μ 98.3	1800	6—8
F3560	350	210	600	50	8 μ 99.	1600	6—8
F2860	280	180	600	50		1100	6—8

Medical Consumables



Latex Gloves

Powdered & Powder-Free

Color



Milky White



Beige



Blue



Black

* Image color only as a reference



Product description

Functional Benefits

- * Protection from unwanted or dangerous substances.
- * Easy donning and helps prevent roll back.
- * Softness provides superior comfort and natural fit.
- * Beaded cuff makes donning easy.
- * Ambidextrous and straight fingers.

Quality Standards

- * Conforms to ASTM D3578 (05) and EN455 (09) Standards.
- * Manufactured under QSR (GMP) and ISO9001 : 2008 Quality Management System.
- * Using FDA approved absorbable corn starch, USP grade.

Glove sizes

- * Extra-small, Small, Medium, Large, Extra-large.
- * Marked in the check box on the shipping carton with black ink

Storage

The gloves shall maintain their properties when stored in a dry condition at temperature not higher than 30°C.

Shelf-life

- * 5 years from the date of manufacturing

Certification

ISO/FDA/CE

General Packing

100 Pcs/Box 10 Boxes/CTN

1 x 20FCL: 1600 CTNS

1 x 40FCL: 3200 CTNS

1 x 40HQ : 3500 CTNS

Physical Dimensions

Dimension	Standards		
	iGlove	ASTM D3578	EN 455
Length(mm)	Min. 240	Min. 220 (size XS,S) Min. 230 (size M, L, XL)	Min. 240
Width(mm)			
Extra-small	76 ± 3	70 ± 10	≤80
Small	84 ± 3	80 ± 10	80 ± 10
Medium	94 ± 3	95 ± 10	95 ± 10
Large	105 ± 3	111 ± 10	110 ± 10
Extra-large	113 ± 3	N/A	≥110
Thickness - single wall (mm)			
Fingers	Min. 0.08	Min. 0.08	N/A
Palm	Min. 0.08	Min. 0.08	

Physical Properties

Property	ASTM D3578	En455
Elongation at break (%)		
Before Aging	Min. 650	N/A
After Aging	Min. 500	
Tensile Strength(MPa)		
Before Aging	Min. 18	N/A
After Aging	Min. 14	
Force at Break (N)		
Before Aging	N/A	Median 6
After Aging		Median 6



Vinyl Gloves

Powdered & Powder-Free

Color



Clear Blue Green Black

*Image color only as a reference



Product description

Functional Benefits

- *Intrinsic softness reduces hand fatigue even for long hours of wearing these gloves, due to low 100% modulus 25 kg/cm² comparing with normal commercial product at 3 kg/cm²; super flexibility and light weight.
- *Double layers of PVC/PU films to provide double protection.
- *Odor free, results from special formulations.
- *Ease in donning due to the excellent slippery inner surface.
- *In grip from slightly tacky outer surface.

Quality Standards

- *Conforms to ASTM D5250 and EN455 standards.
- *Manufactured under QSR (GMP), ISO9001:2008 & ISO 13485:2003 (Medical Device) Quality Management System.

Glove sizes

- *Extra-small, Small, Medium, Large, Extra-large.
- *Marked in the check box on the shipping carton with black ink

Storage

The gloves shall maintain their properties when stored in a dry condition at temperature between 10 to 30°C. Protect gloves against ultra violet light sources, such as sunlight and oxidizing agents. Copper ions discolor the glove.

Shelf-life

* 5 years from the date of manufacturing

Certification

ISO/FDA/CE

General Packing

100 Pcs/Box 10 Boxes/CTN

1 x 20FCL: 1600 CTNS

1 x 40FCL: 3200 CTNS

1 x 40HQ : 3500 CTNS

Physical Dimensions

Dimension	Standards	
	iGlove	ASTM D5250
Length(mm)	Min. 230	Min. 230
Width(mm)		
Extra-small	75 ± 5	85 ± 5
Small	85 ± 5	95 ± 5
Medium	95 ± 5	105 ± 5
Large	105 ± 5	115 ± 5
Extra-large	115 ± 5	
Thickness - single wall (mm)		
Fingers	Min. 0.08	Min. 0.08
Palm	Min. 0.05	Min. 0.05

Physical Properties

Property	ASTM D5250
Elongation at break (%)	Min. 300
Tensile Strength (Mpa)	Min. 11



Nitrile Gloves

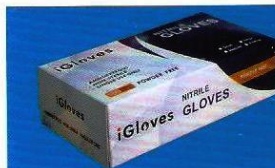
Powdered & Powder-Free

Color



Blue White Purple Black

*Image color only as a reference



Product description

Quality Standards

- *Conforms to ASTM D6319 and EN 455 Standards.
- *Manufactured under QSR (GMP), ISO 9001:2008 & ISO 13485:2003 (Medical Device) Quality Management System.
- *Biocompatibility tested or biocompatibility friendly.
- *Resists permeation by a wide range of chemicals as compared to natural rubber latex of the same thickness.

Glove sizes

- *Extra-small, Small, Medium, Large, Extra-large.
- *Marked in the check box on the shipping carton with black ink.

Storage

The gloves shall maintain their properties when stored in a dry condition at temperature not higher than 30°C.

Shelf-life

* 5 years from the date of manufacturing

Certification

ISO/FDA/CE

General Packing

100 Pcs/Box 10 Boxes/CTN

1 x 20FCL: 1600 CTNS

1 x 40FCL: 3200 CTNS

1 x 40HQ : 3500 CTNS

Physical Dimensions

Dimension	Standards	
	iGlove	ASTM D6319
Length(mm)	Min. 240	220 min (siz XS,S) 230 min(size M,L,XL)
Width(mm)		
Extra-small	76 ± 3	70 ± 10
Small	84 ± 3	80 ± 10
Medium	94 ± 3	95 ± 10
Large	105 ± 3	111 ± 10
Extra-large	113 ± 3	120 ± 10
Thickness - single wall (mm)		
Fingers	Min. 0.05	Min. 0.05
Palm	Min. 0.05	Min. 0.05

Physical Properties

Property	ASTM D6319
Elongation at break (%)	
Before Aging	Min. 500
After Aging	Min. 400
Tensile Strength(MPa)	
Before Aging	Min. 14
After Aging	Min. 14
Force at Break (N)	
Before Aging	N/A
After Aging	N/A



Disposable Surgical Gloves

Powdered & Powder-Free

Color



Beige



Milky White

* Image color only as a reference



Product description

Functional Benefits

- *Extra strength provides additional protection from surgical debris.
- *Fully anatomical design to reduce hand fatigue.
- *Softness provides superior comfort and natural fit.
- *Micro-roughened surface provides excellent wet and dry grip.
- *Easy donning and helps prevent rolling back.
- *High strength and elasticity.

Quality Standards

- *Conforms to ASTM D3577 and EN 455 Standards
- *Manufactured under QSR (GMP), ISO 9001:2008 & ISO 13485:2003 (Medical Device) Quality Management System
- *Sterilized by Gamma Ray / EtO
- *Bioburden and sterility tested

Glove sizes

*6.0, 6.5, 7.0, 7.5, 8.0, 8.5

*Marked in the check box on the shipping carton with black ink

Storage

The gloves shall maintain their properties when stored in a dry condition at temperature not higher than 30°C.

Shelf-life

* 5 years from the date of manufacturing

Certification

ISO/FDA/CE

General Packing

1 Pair/Paper Bag 50 Pairs/Inner Box 10 Inner Boxes/CTN

1 x 20FCL: 420 CTNS 1 x 40FCL: 850 CTNS

Physical Dimensions

Dimension	Standards		
	iGlove	ASTM D3577	EN 455
Length(mm)	Min. 280	Min 245 (size 6) Min 265 (size 7-8.5)	Min. 260 size 6-6.5) Min. 270 (size 7-8) Min. 280 (size 8.5)
Width(mm) • 6.0 • 6.5 • 7.0 • 7.5 • 8.0 • 8.5	77 ± 5	76 ± 6	77 ± 5
	83 ± 5	83 ± 6	83 ± 5
	89 ± 5	89 ± 6	89 ± 5
	95 ± 5	95 ± 6	95 ± 5
	102 ± 5	102 ± 6	102 ± 6
	108 ± 5	108 ± 6	108 ± 6
Thickness - single wall (mm)			
Fingers	Min 0.10	Min 0.10	N/A
Palm	Min 0.10	Min 0.10	
Cuff	Min 0.10	Min 0.10	

Physical Properties

Property	ASTM D3577	En455
Elongation at break (%)		
Before Aging	min 750	N/A
After Aging	min 560	
Tensile Strength(MPa)		
Before Aging	Min. 24	N/A
After Aging	Min. 18	
Force at Break (N)		
Before Aging	N/A	Median 9
After Aging		Median 9

Shoe Cover

Non-Woven

Product Specification:

Non woven shoe cover / non- woven Anti slip shoe cover.

Used to cover almost all type of shoe styles which helps to prevent and filter particles for contamination control in critical environment.

Material Weight: 30grams/square meters

Color : Light Blue

Packaging : 1000 pairs/box



CPE

Product Specification:

CPE Shoe Covers are made of a low density CPE film making them liquid impervious and lint-free. These Shoe covers are an economical alternative when a low particulate material is needed to protect against splash.

Materials : CPE

Material Weight : 3grams

Packaging : 1000 pairs/box

Facemask

1 Ply Facemask

Product Specification: White, 1-ply, 1-fold, all thermal sealed, mask with flat elastic band ear loops.

Material : Outer layer: 30g spun bond polypropylene non-woven Material.

Packing : 50pcs/inner box 1,000cs/Cartron



3 ply Non-woven Facemask

Product Specification:

3-ply, 3-folds, all joints thermal sealed, mask with flat elastic band ear loops.

Material: Outer layer: 30g spun bond polypropylene Non-woven material , white.

Middle layer: 15g melt blown polypropylene Non-woven material , white.

Inner layer: 20g spun bond polypropylene Non-woven material , white.

Packing : 50pcs/inner box , 1,000 pcs/ Cartron



4ply Carbon facemask

Product Specification:

Anti- virus, get rid of odor, filtration of toxic and harmful gas, Benzene adsorption filters to 45%. Filter bacteria and dust efficiency is 99%. No irritation material, comfortable to wear with fixed nose strip, easy to use.

Packing : 50pcs/inner box , 1,000 pcs/ Cartron



ESD Bunny Suit



Bouffant Cap & Double Elastic Pleated Cap



Bouffant Cap

Product Specification:

Use as bare head cover which helps to prevent and filter particles for contamination control in critical environment.

Brand : Firmus

Length : 21" / 24"

Width : 10"

Layer : 1 Ply

Material Weight: 12grams/square meters

Color : Blue / White

Packing : 2,000 pcs / box



Double Elastic Pleated Cap

Product Specification:

Polypropylene pleated

High Tech Bouffant Cap, Machine made, pleated Perfect for clean room environment 21" and 24"

Color : White

Packing : 2,000 pcs / box

Wipes



Polyester

Product Specification:

Made of 100% polyester. High water absorbency, good wiping performance.

Size : 4x4

6x6

9x9

Polycellulous

Product Specification:.

55% cellulose, 45% polyester.

Size : 7x7

Packing : 300pcs/pack



Bemcot M3

Product Specification:

Extremely absorbent; soft and low-linting, heat resistant for cleaning high-temperature process equipment and diffusion furnaces, designed for use on sensitive electrical equipment in cleanroom environment

Bemcot M1

Product Specification:

the 100% pure cellulosic nonwoven fabric derived from cotton linter.





Hi-Flex Gloves

Product Specification: PVC dotting palm non-slip properties, good elasticity, excellent sweat absorbency, washable, good ventilation. Delicate round tip finishing, surface resistivity: $10^6/\text{ohms SQ}$ micro-electronics/Assembly/ packing.

Sizes : Small/Medium/Large

Packing : 1,000 prs /box

Lint Free Gloves

Product Specification: PVC dotting palm non-slip properties, good elasticity, excellent sweat absorbency, washable, good ventilation. Delicate round tip finishing, surface resistivity: $10^6/\text{ohms SQ}$ microelectronics / Assembly / packing.

Sizes : Small/Medium/Large

Packing : 1,000 prs /box



Top Fit Gloves

Product Specification: 100% nylon, PU (Polyurethane), dust free, breathable, skin protect, durable, washable, reusable, soft elastic force. Our range of knitted PU coated tip gloves are made from highly conductive yarn and nylon which offers good elasticity and excellent performance.

Color Available: White

Size : Small/Medium/Large

Packing : 300 prs/box

Palm Fit Gloves

Product Specification: 100% nylon, PU (Polyurethane), dust free, breathable, skin protect, durable, washable, reusable, soft elastic force. These outstanding low cost gloves prevent product contamination as well as offering excellent grip and ESD protection.

Size : Small/Medium/Large

Packing : 300 prs/box



Full Liner Gloves

Product Specification: Made of continuous filament no lint-stretchable nylon, superior absorbency of sweat and moisture, reusable and laundrable. 100% stretchable nylon.

Glove cuff : nylon and elastic

Color of cuff : White

Packing : 500 prs/box

Polycotton Gloves

Product Specification:

50% polyester, 50% cotton materials

Color : White

Size : Small/Medium/Large

Packing : 1,000 prs/box



Fingercots



Anti-Static pink

Product Specification:

Pink Anti-Static Finger Cots, also known as ESD Finger Cots, are made of 100% latex material. Anti-Static Finger Cots are Powder Free.

Color : pink

Weight : 6gross/ 8gross/10gross

Packing : per pack

Powder Free White

Product Specification:

Powder Free Finger Cots, also known as General Purpose Finger Cots, are made of 4 mil latex material. They are Powder Free, rolled and are honey colored.

Color : white

Weight : 6gross/8gross/10gross

Packing : per pack



Chlorinated

Product Specification:

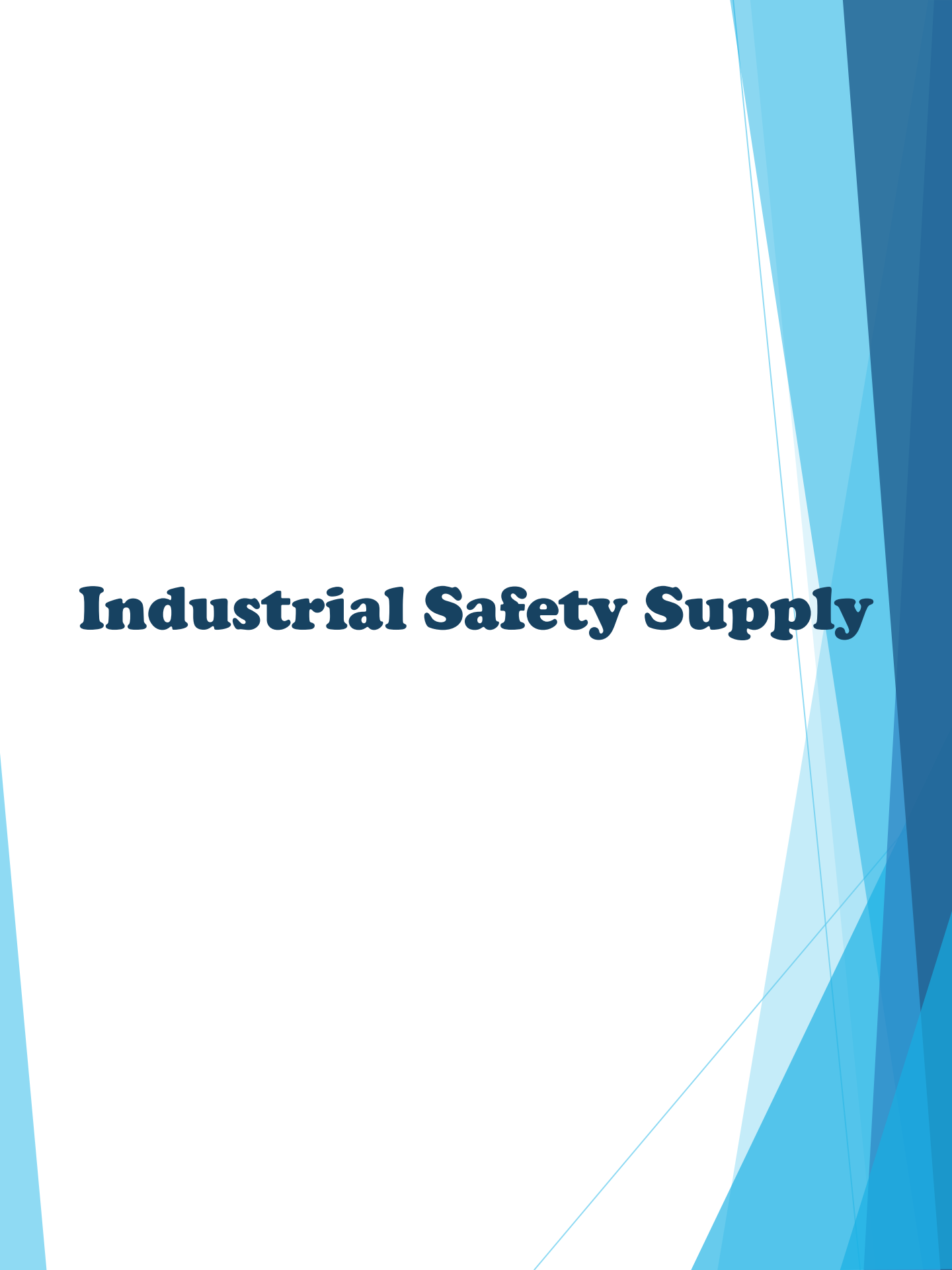
100% Biodegradable Natural Rubber, Smooth and beaded, low Sulphur content, dust free and powder free.

Color : yellow

Weight : 6gross/8gross/10gross

Packing : per pack



The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the page, creating a modern, dynamic feel.

Industrial Safety Supply

400 grams

Product Specification:

Provide quality range of Cotton Knitted Gloves that is created using quality cotton yarn and other material. Provided with cotton cushion, wing thumb, these Cotton Knitted Gloves are perfectly knitted.

Color Edge : Golden Yellow

Color : Natural

Packaging : 600pairs/sack



500 grams

Product Specification: Provide quality range of Cotton Knitted Gloves that is created using quality cotton yarn and other material. Provided with cotton cushion, wing thumb, these Cotton Knitted Gloves are perfectly knitted.

Color Edge : Blue

Color : Natural/ Mixed Gray

Packaging : 600pairs/sack



600 grams

Product Specification: Provide quality range of Cotton Knitted Gloves that is created using quality cotton yarn and other material. Provided with cotton cushion, wing thumb, these Cotton Knitted Gloves are perfectly knitted.

Color Edge : Maroon

Color : Natural/ Mixed Gray

Packaging : 600pairs/sack



700 grams

Product Specification: Provide quality range of Cotton Knitted Gloves that is created using quality cotton yarn and other material. Provided with cotton cushion, wing thumb, these Cotton Knitted Gloves are perfectly knitted. Color Edge : Red

Color : Natural/ Mixed Gray

Packaging : 600pairs/sack



800 grams

Product Specification: Provide quality range of Cotton Knitted Gloves that is created using quality cotton yarn and other material. Provided with cotton cushion, wing thumb, these Cotton Knitted Gloves are perfectly knitted.

Color Edge : Black

Color : Natural/ Mixed Gray

Packaging : 600pairs/sack



800 grams

ORANGE LATEX

Product Specification: Provide quality range of Cotton Knitted Gloves that is created using quality Cotton yarn and other material. Provided with cotton cushion, wing thumb, these Cotton Knitted Gloves are perfectly knitted.

Color Edge : Orange

Color : Natural

Packaging : 360pairs/sack



600 grams

PVC DOTTED GLOVES

Product Specification: Provide quality range of Cotton Knitted Gloves that is created using quality cotton yarn and other material. Provided with cotton cushion, wing thumb, these cotton Knitted gloves are perfectly Knitted.

Grams : 600g

Color Edge : Golden Yellow

Color : Natural

Packaging : 600pairs/sack





Sticky Mat

Product Specification:

Size : 24"x 36"

Color : Blue

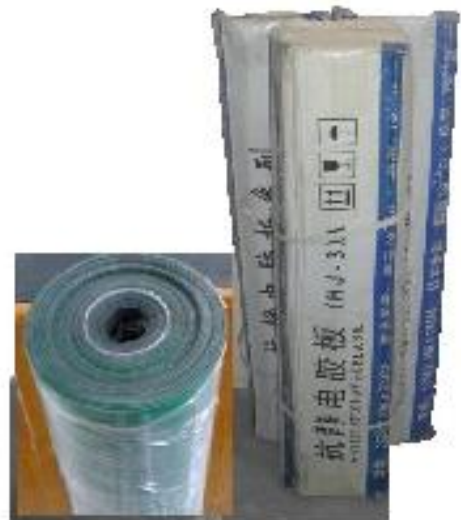
Packing : 8 sheets/case

ESD Dissipative Mat

Product Specification:

Shiny/non-shiny

Size : 1m x 10m x 2mm (t)



Conductive Honey Comb

Product Specification:

Size : 1.37m x 1370mm x 0.3mm (t)

Color : Clear with Grid

Packing : per roll

MJL Safety Shoes Series



STYLE NO:067 S1P
UPPER
Suede leather+Oxford Fabric



STYLE NO:352 S1P
UPPER
Suede leather+Oxford Fabric



STYLE NO:377 S1P
UPPER
Suede leather+Mesh



STYLE NO:041 S1P
UPPER
Suede leather



STYLE NO:082 S1P
UPPER
Suede leather



STYLE NO:083 S1P
UPPER
Suede leather



STYLE NO:084 S1P
UPPER
Suede leather



STYLE NO:085 S1P
UPPER
Suede leather



STYLE NO:088 S1P
UPPER
Suede leather



STYLE NO:089 S1P
UPPER
Suede leather



MJL Safety Shoes Series



STYLE NO:041 S3
UPPER
Smooth leather



STYLE NO:056 S3
UPPER
Embossed leather



STYLE NO:211 S3
UPPER
Embossed leather



STYLE NO:096 S3
UPPER
Embossed leather



STYLE NO:118 S3
UPPER
Embossed leather



STYLE NO:142 S3
UPPER
Embossed leather



STYLE NO:151 S3
UPPER
Embossed leather



STYLE NO:143 S3
UPPER
Embossed leather



STYLE NO:150 S3
UPPER
Embossed leather



STYLE NO:100 S2
UPPER
Microfiber leather

Packaging Materials

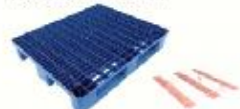
Corrugated Box



Plastic Pallet

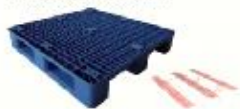


1000x800x160mm



Dynamic: 800kg
Static: 3000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
560pcs/40ft container

1000x1000x160mm



Dynamic: 1000kg
Static: 4000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
570pcs/40ft container

1200x1000x165mm



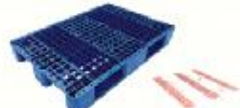
Dynamic: 1000-2000kg
Static: 4000-6000kg
Rack: 300-1200kg
Steel reinforced acceptable-Yes
485pcs/40ft container

1200x1000x170mm



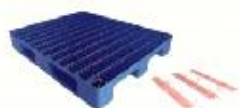
Dynamic: 1200-2500kg
Static: 4000-6000kg
Rack: 400-1800kg
Steel reinforced acceptable-Yes
460pcs/40ft container

1200x800x155/150mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
570pcs/40ft container

1200x1000x160mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300kg
Steel reinforced acceptable-Yes
495pcs/40ft container

1100x1100x155/150mm



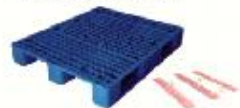
Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
495pcs/40ft container

1200x1100x150mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
440pcs/40ft container

1200x1000x160mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
495pcs/40ft container

1200x1000x155/150mm



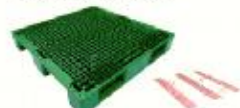
Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
510pcs/40ft container

1200x1200x150/160mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1500kg
Steel reinforced acceptable-Yes
390pcs/40ft container

1200x1200x170mm



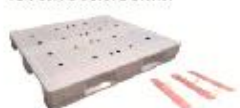
Dynamic: 1500kg
Static: 6000kg
Rack: 500kg
Steel reinforced acceptable-No
390pcs/40ft container

1300x1100x155mm



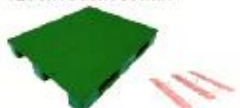
Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1500kg
Steel reinforced acceptable-Yes
380pcs/40ft container

1500x1300x150mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 300-1000kg
Steel reinforced acceptable-Yes
360pcs/40ft container

1200x1000x160mm



Dynamic: 1200kg
Static: 5000kg
Rack: 400kg
Steel reinforced acceptable-No
490pcs/40ft container

1200x1000x150mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 600-1000kg
Steel reinforced acceptable-Yes
480pcs/40ft container

1200x800x160mm



Dynamic: 1000kg
Static: 4000kg
Rack: 300kg
Steel reinforced acceptable-No
565pcs/40ft container

1200x1000x170mm



Dynamic: 1300-2500kg
Static: 4000-6000kg
Rack: 600-1500kg
Steel reinforced acceptable-Yes
440pcs/40ft container

1200x1000x150mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 600-1300kg
Steel reinforced acceptable-Yes
490pcs/40ft container

1100x1100x150mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 600-1000kg
Steel reinforced acceptable-Yes
510pcs/40ft container

1200x1000x150/160/170mm



Dynamic: 1300-2500kg
Static: 4000-6000kg
Rack: 600-1500kg
Steel reinforced acceptable-Yes
470pcs/40ft container

1200x1000x150mm



Dynamic: 1100-2500kg
Static: 4000-6000kg
Rack: 600-1500kg
Steel reinforced acceptable-Yes
470pcs/40ft container

1100x1100x150mm



Dynamic: 1200-2500kg
Static: 4000-6000kg
Rack: 500-1500kg
Steel reinforced acceptable-Yes
470pcs/40ft container

1300x1200x160mm



Dynamic: 1500-2500kg
Static: 4000-6000kg
Rack: 500-1300kg
Steel reinforced acceptable-Yes
390pcs/40ft container

1000x1000x150mm



Dynamic: 1000kg
Static: 4000kg
Rack: 300kg
Steel reinforced acceptable-No
42pcs/40ft container

1080x1080x125mm



Dynamic: 400kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
400pcs/40ft container

1100x1100x120mm



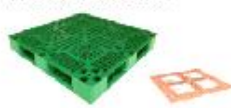
Dynamic: 500kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
420pcs/40ft container

1100x1100x150mm



Dynamic: 1000-2000kg
Static: 4000-6000kg
Rack: 400-1000kg
Steel reinforced acceptable-Yes
360pcs/40ft container

1100x1100x150mm



Dynamic: 1500kg
Static: 6000kg
Rack: 600kg
Steel reinforced acceptable-No
354pcs/40ft container

1100x1100x150mm



Dynamic: 1000kg
Static: 4000kg
Rack: 400kg
Steel reinforced acceptable-No
354pcs/40ft container

1100x1100x150mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 400-1000kg
Steel reinforced acceptable-Yes
354pcs/40ft container

1200x800x150mm



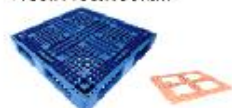
Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: 400-1000kg
Steel reinforced acceptable-Yes
450pcs/40ft container

1100x1100x150mm



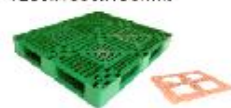
Dynamic: 1000kg
Static: 4000kg
Rack: 300kg
Steel reinforced acceptable-No
354pcs/40ft container

1100x1100x150mm



Dynamic: 800kg
Static: 3000kg
Rack: X
Steel reinforced acceptable-No
364pcs/40ft container

1200x1000x150mm



Dynamic: 1500kg
Static: 6000kg
Rack: 600kg
Steel reinforced acceptable-No
374pcs/40ft container

1200x1000x150mm



Dynamic: 1200-1600kg
Static: 4000-6000kg
Rack: 400-1200kg
Steel reinforced acceptable-Yes
374pcs/40ft container

1200x1000x150mm



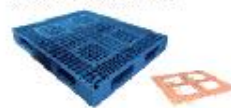
Dynamic: 1000kg
Static: 5000kg
Rack: 300kg
Steel reinforced acceptable-No
374pcs/40ft container

1200x1000x120mm



Dynamic: 500kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
420pcs/40ft container

1300x1100x150mm



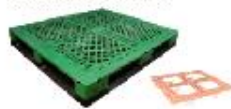
Dynamic: 1500kg
Static: 6000kg
Rack: 500kg
Steel reinforced acceptable-No
500pcs/40ft container

1300x1100x150mm



Dynamic: 1000kg
Static: 4000kg
Rack: 400kg
Steel reinforced acceptable-No
300pcs/40ft container

1200x1000x150mm



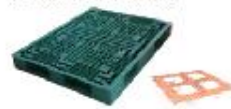
Dynamic: 1500-2500kg
Static: 4000-6000kg
Rack: 600-1200kg
Steel reinforced acceptable-Yes
374pcs/40ft container

1200x1100x150mm



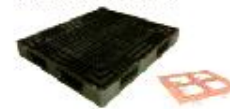
Dynamic: 1500kg
Static: 5000kg
Rack: 500kg
Steel reinforced acceptable-No
340pcs/40ft container

1410x1110x140mm



Dynamic: 1200kg
Static: 4000kg
Rack: 300kg
Steel reinforced acceptable-No
290pcs/40ft container

1400x1200x140mm



Dynamic: 1200kg
Static: 4000kg
Rack: 300kg
Steel reinforced acceptable-No
260pcs/40ft container

1200x1200x150mm



Dynamic: 1500kg
Static: 5000kg
Rack: 500kg
Steel reinforced acceptable-No
310pcs/40ft container

1200x1200x150mm



Dynamic: 1200-2500kg
Static: 4000-6000kg
Rack: 300-1500kg
Steel reinforced acceptable-Yes
310pcs/40ft container

1200x1000x140mm



Dynamic: 1500kg
Static: 6000kg
Rack: 600kg
Steel reinforced acceptable-No
350pcs/40ft container

1145x1145x135mm



Dynamic: 1500kg
Static: 6000kg
Rack: 400-1500kg
Steel reinforced acceptable-Yes
430pcs/40ft container

1000x800x140mm



Dynamic: 400kg
Static: 1000kg
Rack: X
Steel reinforced acceptable-No
1600pcs/40ft container

1000x1000x140mm



Dynamic: 600kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
1400pcs/40ft container

1200x1200x140mm



Dynamic: 800kg
Static: 2000kg
Rack: X
Steel reinforced acceptable-No
750pcs/40ft container

1300x1100x140mm



Dynamic: 600kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
770pcs/40ft container

1200x800x140mm



Dynamic: 600kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
1200pcs/40ft container

1100x1100x140mm



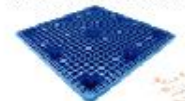
Dynamic: 500kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
960pcs/40ft container

1400x1200x140mm



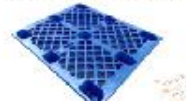
Dynamic: 1200kg
Static: 5000kg
Rack: X
Steel reinforced acceptable-No
300pcs/40ft container

1100x1100x145mm



Dynamic: 600kg
Static: 2000kg
Rack: X
Steel reinforced acceptable-No
960pcs/40ft container

1200x1000x140mm



Dynamic: 500kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
960pcs/40ft container

1200x1000x140mm



Dynamic: 600kg
Static: 2000kg
Rack: X
Steel reinforced acceptable-No
960pcs/40ft container

1200x1000x140mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: X
Steel reinforced acceptable-Yes
500pcs/40ft container

1200x1000x140mm



Dynamic: 600kg
Static: 1500kg
Rack: X
Steel reinforced acceptable-No
960pcs/40ft container

1200x1100x140mm



Dynamic: 800kg
Static: 2000kg
Rack: X
Steel reinforced acceptable-No
660pcs/40ft container

1125x700x150mm
1200x800x150mm
1150x730x150mm



Dynamic: 600kg
Static: 1200kg
Rack: X
Steel reinforced acceptable-No
1200pcs/40ft container

1200x1000x150mm



Dynamic: 1500kg
Static: 6000kg
Rack: 600kg
Steel reinforced acceptable-No
370pcs/40ft container

1200x1000x150mm



Dynamic: 1800kg
Static: 6000kg
Rack: 500kg
Steel reinforced acceptable-No
370pcs/40ft container

1200x1000x140mm



Dynamic: 1000-1500kg
Static: 4000-6000kg
Rack: X
Steel reinforced acceptable-Yes
500pcs/40ft container

1200x1000x140mm



Dynamic: 1000kg
Static: 4000kg
Rack: X
Steel reinforced acceptable-No
500pcs/40ft container

1200x1000x150mm



Dynamic: 1500kg
Static: 6000kg
Rack: 500kg
Steel reinforced acceptable-No
370pcs/40ft container

1200x1000x150mm



Dynamic: 1800-2500kg
Static: 5000-8000kg
Rack: 600-1200kg
Steel reinforced acceptable-Yes
360pcs/40ft container

1200x1000x140mm



Dynamic: 1000kg
Static: 4000kg
Rack: X
Steel reinforced acceptable-No
500pcs/40ft container

1200x1000x140mm



Dynamic: 1000kg
Static: 4000kg
Rack: X
Steel reinforced acceptable-No
500pcs/40ft container

1200x1000x150mm



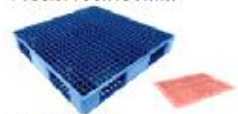
Dynamic: 1200-2000kg
Static: 4000-6000kg
Rack: 400-1200kg
Steel reinforced acceptable-Yes
370pcs/40ft container

1100x1100x150mm



Dynamic: 1500kg
Static: 6000kg
Rack: 600kg
Steel reinforced acceptable-No
370pcs/40ft container

1100x1100x150mm



Dynamic: 1200kg
Static: 6000kg
Rack: 700kg
Steel reinforced acceptable-No
365pcs/40ft container

1200x1200x150mm



Dynamic: 1800kg
Static: 8000kg
Rack: 800kg
Steel reinforced acceptable-No
310pcs/40ft container

1400x1200x150mm



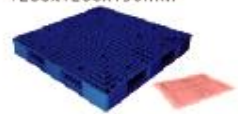
Dynamic: 2000kg
Static: 8000kg
Rack: 800kg
Steel reinforced acceptable-No
260pcs/40ft container

1400x1200x150mm



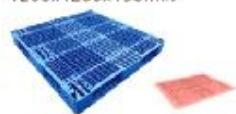
Dynamic: 1500kg
Static: 6000kg
Rack: 400kg
Steel reinforced acceptable-No
260pcs/40ft container

1200x1200x150mm



Dynamic: 1500kg
Static: 6000kg
Rack: 600kg
Steel reinforced acceptable-No
310pcs/40ft container

1200x1200x150mm



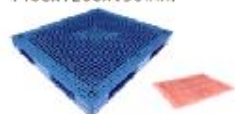
Dynamic: 1500-2000kg
Static: 5000-8000kg
Rack: 500-1200kg
Steel reinforced acceptable-Yes
310pcs/40ft container

1400x1200x150mm



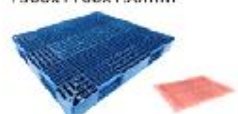
Dynamic: 1500-2000kg
Static: 4000-6000kg
Rack: 400-1000kg
Steel reinforced acceptable-Yes
260pcs/40ft container

1400x1200x150mm



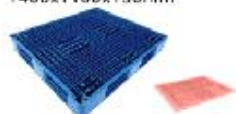
Dynamic: 2000kg
Static: 8000kg
Rack: 400kg
Steel reinforced acceptable-No
260pcs/40ft container

1300x1100x150mm



Dynamic: 1500kg
Static: 6000kg
Rack: 700kg
Steel reinforced acceptable-No
320pcs/40ft container

1400x1100x150mm



Dynamic: 1500kg
Static: 8000kg
Rack: 800kg
Steel reinforced acceptable-No
300pcs/40ft container

1400x1200x150mm



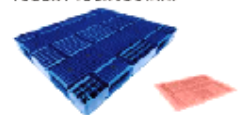
Dynamic: 1800kg
Static: 8000kg
Rack: 800kg
Steel reinforced acceptable-No
260pcs/40ft container

1500x1500x150mm



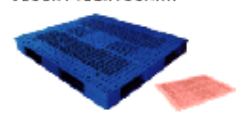
Dynamic: 2000kg
Static: 15000kg
Rack: 200kg
Steel reinforced acceptable-No
162pcs/40ft container

1600x1400x150mm



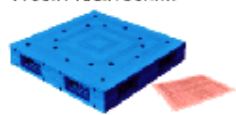
Dynamic: 2000-2500kg
Static: 8000-10000kg
Rack: 800-1000kg
Steel reinforced acceptable-Yes
160pcs/40ft container

1600x1400x150mm



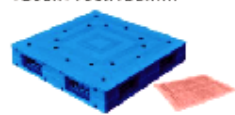
Dynamic: 2000-2500kg
Static: 8000-10000kg
Rack: 800-1000kg
Steel reinforced acceptable-Yes
160pcs/40ft container

1100x1100x150mm



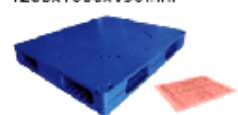
Dynamic: 1500-2500kg
Static: 4000-8000kg
Rack: 400-1200kg
Steel reinforced acceptable-Yes
370pcs/40ft container

1200x1100x150mm



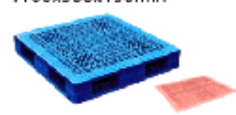
Dynamic: 1500-2500kg
Static: 4000-8000kg
Rack: 400-1200kg
Steel reinforced acceptable-Yes
370pcs/40ft container

1200x1000x150mm



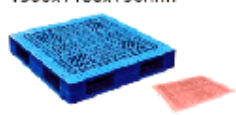
Dynamic: 1000-2500kg
Static: 4000-8000kg
Rack: 500-1000kg
Steel reinforced acceptable-Yes
360pcs/40ft container

1100x900x150mm



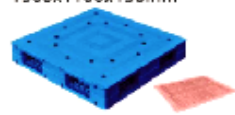
Dynamic: 1500-2000kg
Static: 5000-8000kg
Rack: 500-1200kg
Steel reinforced acceptable-Yes
410pcs/40ft container

1300x1100x150mm



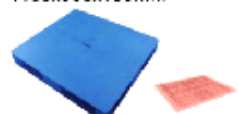
Dynamic: 1500-2500kg
Static: 4000-8000kg
Rack: 400-1200kg
Steel reinforced acceptable-Yes
305pcs/40ft container

1300x1100x150mm



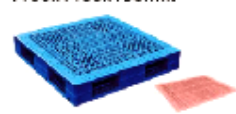
Dynamic: 1500-2500kg
Static: 4000-8000kg
Rack: 400-1200kg
Steel reinforced acceptable-Yes
305pcs/40ft container

1100x900x150mm



Dynamic: 1500-2000kg
Static: 5000-8000kg
Rack: 500-1200kg
Steel reinforced acceptable-Yes
410pcs/40ft container

1100x1100x150mm



Dynamic: 1500-2000kg
Static: 5000-8000kg
Rack: 500-1200kg
Steel reinforced acceptable-Yes
370pcs/40ft container

Water Filter

PP Membrane Pleated Cartridge Filters

POLYPROPYLENE

Features & Benefits

- High surface area.
- Wide selection of micron rating to meet different filtration requirement.
- Increased dirt holding capacity. Longer service life.
- Constructed of all polypropylene high purity media, meets FDA requirements.
- Multiple layered micro-porous construction ensures consistent filtration performance.
- No adhesive, thermal bonded manufacturing enable the smallest contaminant extraction and high durability.
- Wide selection of micron rating to meet different filtration requirement.

Applications

- Pre-filtration for RO system, DI water.
- Solvents, selected acids & lyes, chemical industry.
- Semiconductor, Electronic industry ultrapure water system
- Food and beverage, drinking water treatment.
- Oil industry.

Material of Construction

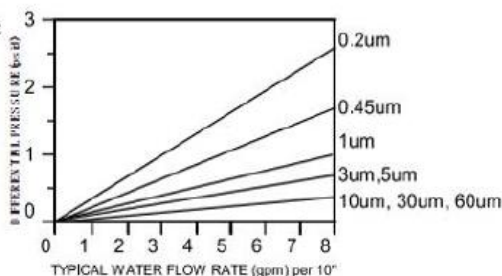
- Media: Polypropylene
- Support layer: Polypropylene
- Core / Cage / End adaptor: Polypropylene
- Sealing Method: Thermal bonding

Recommended Operating Conditions

- Max. Differential Pressure:
- Forward- 75psi (5.1bar) at 25°C
- Forward- 25psi (1.7bar) at 80°C
- Reverse- 30psi (2.0bar) at 25°C
- Filters change recommended at 1.5-2.0bar
- Max. Operating Temperature: 80°C
- Sterilization: 5times, 20 Minutes cycles at 121°C

Cartridge Dimensions

- Filtration Area: 0.5m² each 10" length
- Outer Diameter: 69mm
- Nominal Length: 5", 10", 20", 30", 40"
- Micron rating: 0.1, 0.2, 0.45, 0.65, 1, 3, 5....µm



Ordering Guide

Model PPL	Micron Rating	End Adaptor	Seal	Length
PPL- PP pleated type	010: 0.1µm 020: 0.2µm 045: 0.45µm 100: 1µm 300: 3µm H10: 10µm	Code 0 - DOE Double open end 7 - 226/Fin 8 - 222/Fin 3 - 222/Flat closed 2 - 226/Flat closed F - 215/Flat closed S - O-ring insert/Flat closed	E-EPDM N-Buna S-Silicone V-Viton T-Teflon encapsulated viton	5: 5" 10: 10" 20: 20" 30: 30" 40: 40"



PES Membrane Pleated Cartridge Filters

POLYETHERSULFONE

Features & Benefits

- Unique hydrophilic polyethersulfone cartridges with absolutely rated.
- Cartridges consist of a polyethersulfone membrane with thermally bonded polypropylene components to provide a very durable filter with only two materials of construction.
- The compatibility with a broad range of chemicals and physiological inertness.
- Cartridges 100% integrity tested by bubble point and diffusional flow to ensure consistent and reliable performance.
- Flushed with ultrapure water to remove any manufacturing debris.
- Increased surface area with excellent flow rates.
- No adhesive, thermal bonded manufacturing enable the smallest contaminant extraction and high durability.

Applications

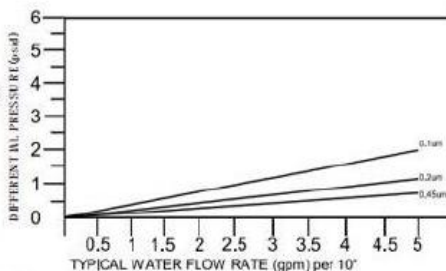
- Final filtration for bacteria removal in RO system.
- Sterilization of food and beverages.
- Micro-filtration in ultrapure water systems.
- Beverage and wine filtration/clarification
- Photographic solutions
- Plating solutions
- Magnetic coatings

Material of Construction

- Media: Hydrophilic polyethersulfone
- Support layer: Polypropylene
- Core / Cage / End adaptor: Polypropylene
- Sealing Method: Thermal bonding

Recommended Operating Conditions

- Max. Differential Pressure:
- Forward - 70psi (4.8bar) at 25°C
- Reverse - 40psi (2.7bar) at 25°C
- Filters change recommended at 1.5 bar
- Max. Operating Temperature: 80°C
- Sterilization: 20times, 30 Minutes cycles at 121°C



Cartridge Dimensions

- Filtration Area: 0.55m² each 10" length
- Outer Diameter: 69mm
- Nominal Length: 5", 10", 20", 30", 40"
- Micron rating: 0.1, 0.2, 0.45µm

Recommended Integrity Test

Pore Size	Minimum Water Bubble Point	Diffusional Flow cc/min @ Test Pressure per 10" length
0.1 µm	—	≤15 @ 48 psig (3.3 bar)
0.2 µm	≥45 psig (3.1 bar)	≤15 @ 35 psig (2.4 bar)
0.45 µm	≥24 psig (1.7 bar)	≤15 @ 20 psig (1.4 bar)

Ordering Guide

Model PES	Micron Rating	End Adaptor	Seal	Length
PES-	010: 0.1µm	Code	E-EPDM	5: 5"
PES pleated type	020: 0.2µm	0 - DOE	N-Buna	10: 10"
	045: 0.45µm	Double open end	S-Silicone	20: 20"
		7 - 226/Fin	V-Viton	30: 30"
		8 - 222/Fin	T-Teflon	40: 40"
		3 - 222/Flat closed	encapsulated viton	
		2 - 226/Flat closed		
		F - 215/Flat closed		
		S - O-ring insert/Flat closed		



Nylon Membrane Pleated Cartridge Filters

NYLON 6

Features & Benefits

- Hydrophilic Nylon 6 membrane pleated cartridges with absolutely rated.
- Cartridges consist of a Nylon 6 membrane with thermally bonded polypropylene components to provide a very durable filter with only two materials of construction.
- Superior flow rate and efficiency maximizing performance.
- Non-fiber releasing according to pharmaceuticals and food industry requirements.
- Possessing better performance of high temperature-resistance, acid and base resistance.
- Remove particles and microorganisms greater than 0.2µm from gas and liquid.
- Cartridges 100% integrity tested by bubble point and diffusional flow to ensure consistent and reliable performance.
- Flushed with ultrapure water to remove any manufacturing debris.
- No adhesive, thermal bonded manufacturing without adhesives.

Applications

- Final filtration for bacteria removal in reverse osmosis, deionization and other ultrapure water systems.
- Particle filtration for ultrapure chemicals
- Semiconductor, Electronic industry ultrapure water system
- Food and beverage, drinking water treatment.
- Plating solutions
- Pharmaceuticals

Material of Construction

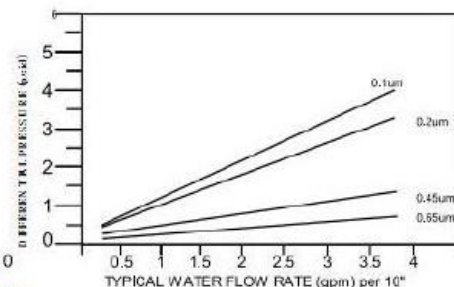
- Media: Hydrophilic Nylon
- Support layer: Polypropylene
- Core / Cage / End adaptor: Polypropylene
- Sealing Method: Thermal bonding

Recommended Operating Conditions

- Max. Differential Pressure:
- Forward - 70psi (4.8bar) at 25°C
- Reverse - 40psi (2.7bar) at 25°C
- Filters change recommended at 1.5 bar
- Max. Operating Temperature: 80°C
- Sterilization: 20times, 30 Minutes cycles at 121°C

Cartridge Dimensions

- Filtration Area: 0.65m² each 10" length
- Outer Diameter: 69mm
- Nominal Length: 5", 10", 20", 30", 40"
- Micron rating: 0.1, 0.2, 0.45, 0.65µm



Recommended Integrity Test

Pore Size	Diffusional Flow cc/min@ Test Pressure per 10" length
0.1 µm	≤ 55 @ 48 psig (3.3 bar)
0.2 µm	≤ 55 @ 35 psig (2.4 bar)
0.45 µm	≤ 55 @ 20 psig (1.4 bar)
0.65 µm	≤ 55 @ 15 psig (1.0 bar)

Ordering Guide

Model Nylon	Micron Rating	End Adaptor	Seal	Length
N6- Nylon pleated type	010: 0.1µm	Code	E-EPDM	5: 5"
	020: 0.2µm	0 - DOE	N-Buna	10: 10"
	045: 0.45µm	Double open end	S-Silicone	20: 20"
	065: 0.65µm	7 - 226/Fin	V-Viton	30: 30"
		8 - 222/Fin	T-Teflon	40: 40"
		3 - 222/Flat closed	encapsulated	
		2 - 226/Flat closed	viton	
		F - 215/Flat closed		
		S - O-ring insert/Flat closed		



PTFE Membrane Pleated Cartridge Filters

POLYTETRAFLUOROETHYLENE

Features & Benefits

- Hydrophobic PTFE membrane pleated cartridges with absolutely rated.
- Cartridges consist of a PTFE membrane with thermally bonded polypropylene components to provide a very durable filter with only two materials of construction.
- Superior flow rate and efficiency maximizing performance.
- Extensive applicability.
- Extremely good chemical compatibility.
- Good oxidation-resistance, high temperature-resistance.
- Remove particles and microorganisms greater than 0.2µm from gas and liquid.
- Cartridges 100% integrity tested by bubble point and diffusional flow to ensure consistent and reliable performance.
- Flushed with ultrapure water to remove any manufacturing debris.
- No adhesive, thermal bonded manufacturing without adhesives.

Applications

- Solvent filtration.
- Sterile vent filters for storage tanks.
- Coating-solvent in the electronic industry.
- Filtration of non-aqueous chemicals.
- Filtration of acid baths for the production of semiconductors.
- Compressed Gas
- Pharmaceutical and intermediate Solvents

Material of Construction

- Media: Hydrophobic PTFE
- Support layer: Polypropylene
- Core / Cage / End adaptor: Polypropylene
- Sealing Method: Thermal bonding

Recommended Operating Conditions

- Max. Differential Pressure:
- Forward - 70psi (4.8bar) at 25°C
- Reverse - 40psi (2.7bar) at 25°C
- Filters change recommended at 1.5 bar
- Max. Operating Temperature: 95°C

Cartridge Dimensions

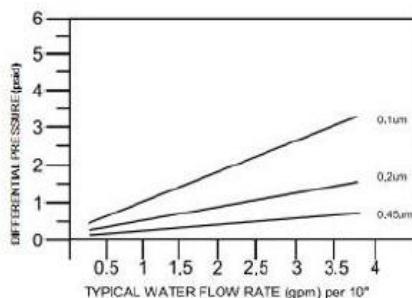
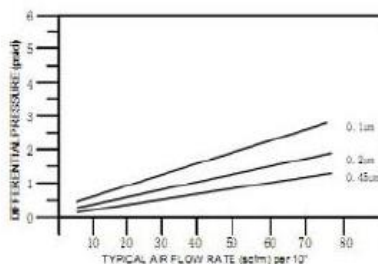
- Filtration Area: 0.75m² each 10" length
- Outer Diameter: 69mm
- Nominal Length: 5", 10", 20", 30", 40"
- Micron rating: 0.1, 0.2, 0.45µm

Integrity Test Values

Micron Pore Size	100%IPA Bubble Point
0.1 µm	22 psig (1.5 bar)
0.2 µm	15 psig (1.0 bar)
0.45 µm	9 psig (0.6 bar)

Ordering Guide

Model PTFE	Micron Rating	End Adaptor	Seal	Length
PTFE-	010: 0.1µm	Code	E-EPDM	5: 5"
PTFE pleated type	020: 0.2µm	0 - DOE	N-Buna	10: 10"
	045: 0.45µm	Double open end	S-Silicone	20: 20"
		7 - 226/Fin	V-Viton	30: 30"
		8 - 222/Fin	T-Teflon	40: 40"
		3 - 222/Flat closed	encapsulated viton	
		2 - 226/Flat closed		
		F - 215/Flat closed		
		S - O-ring insert/Flat closed		



High Flow Pleated Cartridge Filters

Features & Benefits

- Large surface area.
- Superior flow characteristics with very low pressure drop.
- High dirt holding capacity.
- Depth filtration provides longer service life.
- Low cost because of large filter area and reduces labor costs to change.

Applications

- Oil field, power plant circulated water treatment.
- Pre-filtration for RO system, DI water.
- Solvents, selected acids & lyes, chemical industry.
- Oil, petroleum industry.

Material of Constructions

- Media: Polypropylene, Polyester cellulose
- Support layer: Polypropylene
- Core / End adaptor: Polypropylene
- Netting: Polyethylene

Recommended Operating Conditions

- Max. Differential Pressure:
- Forward- 75psi (5.1bar) at 20°C
- Forward- 45psi (3.1bar) at 65°C
- Filters change recommended at 36psi (2.5bar)
- Max. Operating Temperature: 80°C

Cartridge Dimensions

- Filtration Area: 0.55m² each 10" length
- Outer Diameter: 63mm, 69mm
- Nominal Length: 5", 10", 20", 30", 40"
- Micron rating: 1, 3, 5..50µm



Ordering Guide

Model HFP	Media	Micron Rating	End Adaptor	Seal	Length
HFP- High flow pleated type	PP- Polypropylene	100: 1µm	Code	E-EPDM	10: 10"
	PE- Polyester cellulose	300: 3µm	0 - DOE	N-Buna	20: 20"
			Double open end	S-Silicone	30: 30"
		H50: 50µm	7 - 226/Fin	V-Viton	40: 40"
			8 - 222/Fin	T-Teflon encapsulated viton	
			3 - 222/Flat closed		
			2 - 226/Flat closed		

PP Melt Blown / Spun Cartridge Filters

Features & Benefits

- Depth filter cartridges is constructed of quality polypropylene filter media to ensure high efficiency in the inner layer;
- Thermal bonded micro-fiber construction offers no fiber release and consistent flow rates as well as superior filtration performance;
- High dirt holding capacity;
- Materials are FDA listed as acceptable for potable and edible; Available in a wide selection of micron rating from 1µm to 100µm;

Applications

- Drinking water treatment
- Pre-filtration for RO+DI
- Acid and lye filtration in electronic industry
- High technology coatings
- Plating, Chemicals and Solvents

Specifications

Material of Construction

- Media: Polypropylene microfiber 100%
- Core: Polypropylene / None

Recommended Operating Conditions

- Maximum differential pressure: 3.5bar at 20°C
- Recommended change out: 1-1.5bar
- Maximum temperature: 80°C

Removal Ratings (µ m)

- 1, 3, 5, ...100



Ordering Guide

Model PM	Media Type	Support Core	Dimension	Micron Rating	End Adaptor	Seal	Length Inch
PM-1	P-High performance A-Absolute grade	P- PP	S- ID28mm	01:1µm	Code 0-DOE w/o adaptor	E-EPDM	5: 5"
Standard		N- None	OD62-65mm	03:3µm	Code 7 - 226/Fin	N-Buna	10: 10"
PM-2			B-ID28mm	05:5µm	Code 8 - 222/Fin	S-Silicone	20: 20"
Thin groove			OD110-115mm	10:10µm	Code 3- 222/Flat closed	V-Viton	30: 30"
PM-3			L-ID96/114mm		Code 2- 226/Flat closed	T-Teflon	40: 40"
Broad groove			OD150mm			encapsulated viton	

String Wound Cartridge Filters

Features & Benefits

- String wound filter cartridges is used in pre-filter application;
- This enhanced design provides improved dirt-holding capacity over standard wound cartridge;
- Provides long life-cycle;
- Materials are FDA listed as acceptable for potable and edible;
- Nominal micron rating 1-150µm;

Applications

- Cotton: Organic solvent, water, oil, alkalinity solvent, beverage pharmaceuticals
- Polypropylene: Water, dilute acids, oxidizing agents, plating solution;
- Glass fiber: Chemicals, organic solvent, strong acid and alkali, high temperature resistance;

Specifications

Material of Construction

- Yarn: Polypropylene, cotton, glass fiber;
- Core: Polypropylene, stainless steel

Recommended Operating Conditions

- Maximum differential pressure: 4.5bar at 25°C
- Recommended change out: 1-1.5bar
- Maximum temperature: PP yarn + PP core (60°C)
Cotton yarn + SS core (180°C)
Glass fiber + SS core (200°C)

Removal Ratings (µ m)

- 1, 3, 5, ...150



Ordering Guide

Model SW Material	Support Core	Dimension	Micron Rating	End Adaptor	Seal	Length Inch
SW-1	P- PP	S- ID28mm	01:1µm	Code 0-DOE w/o adaptor	E-EPDM	5: 5"
PP	S-Stainless	OD62-65mm	03:3µm	Code 7 - 226/Fin	N-Buna	10: 10"
SW-2	steel	B-ID28mm	05:5µm	Code 8 - 222/Fin	S-Silicone	20: 20"
Cotton		OD110-115mm	10:10µm	Code 3- 222/Flat closed	V-Viton	30: 30"
SW-3				Code 2- 226/Flat closed	T-Teflon	40: 40"
Glass fiber					encapsulated viton	

Activated Carbon Block Cartridge Filters

Features & Benefits

- High absorbency;
- Reduce chlorine, bad taste and odors effectively;
- Low pressure drop;
- No carbon fines release;

Applications

- Drinking water;
- Plating liquid;
- Food industry;
- Industrial water;

Specifications

- Filter media: Mineral AC & Coconut shell AC
- End cap: PP
- Gasket: Buna-N
- Netting: Polyethylene
- Outer diameter: 70mm, 115mm
- Inner diameter: 28mm
- Maximum operating temperature: 52 °C
- Maximum differential pressure: 7 Bar at 20 °C

Ordering Guide

Model CTO Material	Outer Diameter	Micron Rating	Length		
CTO-M	S- 70mm	05:5µm	5: 5"		
Mineral AC	B-115mm	10:10µm	10: 10"		
CTO-C			20: 20"		
Coconut shell AC			30: 30"		
			40: 40"		



Granular Activated Carbon Cartridge Filters

Features & Benefits

- Designed to fill with granular activated carbon media;
- Reduce chlorine, bad taste and odors high effectively;
- General reduction of bacteria from drinking water;
- Engineered to allow water to enter one end and pass through the entire bed of carbon before exiting through the other end;
- An internal expansion pad added to minimize channeling or bypass;
- A nominal 20 micron PP spun post filter and special sponge is incorporated to reduce carbon fines and other suspended particles;

Applications

- Drinking water

Specifications

- Filter media: Mineral GAC & Coconut shell GAC
- End cap/outer casing: Polystyrene
- Expansion pad: Polypropylene
- Post filter incorporated: 20 micron PP spun or sponge
- Gasket: Buna-N, Santoprene
- Netting: Polyethylene
- Outer diameter: 70mm, 115mm
- Inner diameter: 28mm
- Maximum operating temperature: 52 °C

Ordering Guide

Model GAC Style	Model GAC Material	Outer Diameter	Length
GAC-1	M-Mineral AC	S- 70mm	5: 5"
GAC-2	C-Coconut shell AC	B-115mm	10: 10"
GAC-3			20: 20"
GAC-BB			



Carbon Impregnated Cellulose Cartridge Filters

The carbon impregnated cellulose filter cartridges are the composite combine the performance of depth filtration and the adsorption of activated carbon fine. The outside deep fiber media can remove particles, and the activated carbon in filter cloth can adsorb the smell, odor, sediment, pigment, VOC, and organic chemicals. The inside fiber filter can prevent carbon particles and fine pollutants to pass through, insuring the efficient quality and integrated filtration.

Features & Benefits

- Economically priced;
- Provides sediment filtration and adsorption finished in one time process;
- High dirt-holding capacity;
- Recommended for chlorinated water application;
- Adsorption of organic substances;

Applications

- Plating solution;
- Solution of photograph developing;
- Solution to remove oil and aromatic;
- Oil and aromatic series in solution;
- Removing dissociative chlorine and volatile organic compounds(VOC) in solution;
- Drinking water and R.O pure water treatment;
- Remove smell, odor, organic pigment;
- Remove organic chemical;

Specifications

- Filter media: AC Impregnated Cellulose
- End cap: Vinyl Plastisol
- Netting: Polyethylene
- Core: Polypropylene
- Reinforcement Backing: Cellulose Polyester
- Gasket: Buna-N
- Outer diameter: 67mm
- Inner diameter: 28mm
- Maximum operating temperature: 52 °C



Ordering Guide

Model ACF Style	Length
ACF-	10: 10"
Activated Carbon	20: 20"
Impregnated Cellulose	30: 30"
	40: 40"

Polyester Cellulose Pleated Cartridge Filters

Features & Benefits

- Pleated design increase filtration surface area;
- Pleated design maximizes dirt-holding capacity;
- Designed for general water filtration purposes;
- Polyester cellulose media is bacteria and chemical resistant;
- Versatile and reusable, allowing for a variety of uses;
- Low pressure drop, high flowrate;

Applications

- general water and R.O treatment;
- residential commercial water treatment;
- acid-base liquid in chemical processing;
- industrial chemicals and organic solvents;
- processing of sterile water and ultrapure water;
- industrial water and plating liquid;

Specifications

- Material of Construction
- Media: Polyester cellulose;
- Core: Polypropylene;
- End caps: Vinyl plastisol;

Recommended Operating Conditions

- Maximum differential pressure: 4.0bar at 20 °C
- Recommended change out: 1-1.5bar
- Maximum temperature: 52 °C

Removal Ratings (μm)

- 1, 3, 5, ...50



Ordering Guide

Model PE	Micron Rating	Dimension	Outer Netting	Length Inch
PE-	01:1 μm	S-ID28mm	P- Polyethylene	10: 10"
Polyester	03:3 μm	OD68mm	N- None	20: 20"
cellulose	05:5 μm	B-ID28mm		
	10:10 μm	OD115mm		



Various ceramic filter cartridges

Various ceramic filter cartridges take advantage of deeper filtration to remove harmful substances such as suspending substance and bacteria from liquid for purification.



T33 In-line filter cartridge

Technical specification

Max waterflow: in 1.0 GPM (3.79LPM)

In/out port: 1/4"FNPT

Max inlet water temperature: 52 °C

Max working pressure : 125psi



Water softener resin filter cartridge

Made purely with ion exchange resin. It removes calcium and magnesium ions from water exchange then for harmless sodium ion, effect for the protection of home appliances against calcium and magnesium deposits.



Liquid Filter Bag Series



Filter Media	Filtration Precision
PE / PP / PTFE	0.5, 1, 3, 5, 10, 25, 50, 100, 200µm
Nylon NMO	25, 50, 80, 100, 125, 150, 200, 250, 300, 400, 600, 800µm (20-600 Mesh)
Efficient Multi-layer	Removal efficiency is higher than 90%. 2-3 times removal rate of common single layer felt filter bags

Ordering Guide

Liquid Filter Bag : LFB

Media material:

PP—Polypropylene; PE—Polyester; NMO—Nylon Monofilament;
PTFE—Polytetrafluoroethylene; ACF—Activated carbon fiber;

Filtration precision: (μ m)

0.5, 1, 5, 10, 25, 50, 75, 100...

Bag size:

1-Dia, $\Phi 7^*$, L17" 2-Dia, $\Phi 7^*$, L32" 3-Dia, $\Phi 4^*$, L9"
4-Dia, $\Phi 4^*$, L15" 5-Dia, $\Phi 6^*$, L22"

Ring material:

PP-Polypropylene PE-Polyethylene SS-Stainless steel
ZS-Galvanized steel PR-Polyester rope

Connection type:

H—Heat-welded: X—Sewn:

Bag layers:

01L—Single layer 02L—Double layers
03L—Triplicate layers

LFB-PP-50-2-PP-H-01L (Example)

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Hollow Fiber UF Membrane Modules



PP Hollow Fiber Advantage

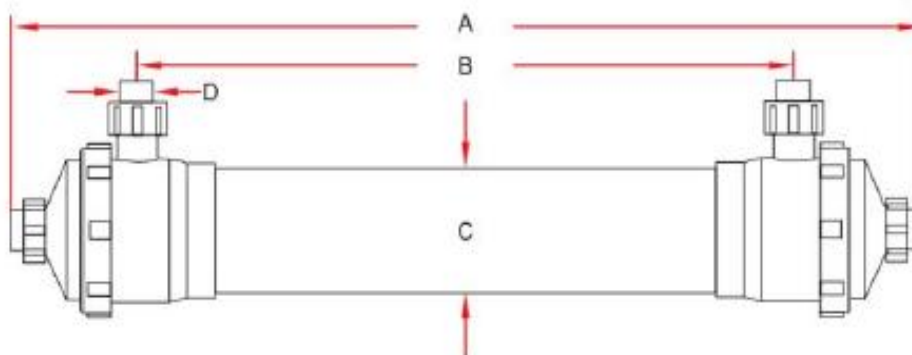
Stronger tensile strength character, high pressure resistant, fiber not easy to break up;
Extremely slim fiber and outside-in filtration design, more large membrane area, high dirt holding capacity;
Most suitable for grey /waste water treatment;

PAN Hollow Fiber Advantage

PAN hollow fiber modified and designed by unique technology to dry state membrane, easy for storage, transport and maintenance;



Hollow Fiber UF Membrane Modules

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Household Plastic Filter Housing

Features & Benefits

- High quality PP and AS material in conformity with FDA standard;
- Thicker housing and rib design can withstand more pressure;
- Opener, air release button, brass thread fitting and more options;

Technical specifications

- Max. Pressure: 8bar (115psi)
- Failure test pressure: 30bar (435psi)
- Cycle test pressure: 0-115psi, 100,000 cycles
- Recommended pressure: <6bar (88psi), 25 °C
- Max. Temperature: 50 °C
- Flow rate and pressure loss depend on filter elements type;

Warning: Don't expose filter housing to sunshine!



FH-10A1



FH-10A2



FH-10B1



FH-10B2



FH-5A2

Inlet/Outlet thread: Plastic, brass insert
Port size: 1/4", 1/2", 3/4"



FH-10F1



FH-10F2



FH-10D1



FH-10D2



FH-10E1



FH-10E2

Inlet/Outlet thread: Plastic, brass insert
Port size: 1/2", 3/4", 1"

Inlet/Outlet thread: Plastic, brass insert
Port size: 1/2", 3/4", 1"



FH-20BB



FH-10BB



FH-20A1



FH-20A2

Inlet/Outlet thread: Plastic, brass insert
Port size: 1/2", 3/8", 3/4", 1", 1 1/2"

Household Stainless Steel Filter Housing

Features & Benefits

- Superfine stainless steel material;
- High pressure and corrosion resistant;
- Hot and cold water filtration;

Technical specifications

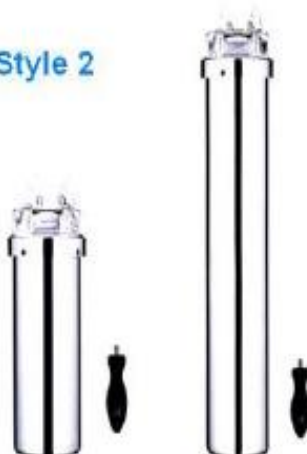
- Max. Pressure: 10bar (145psi)
- Recommended pressure: <8bar (115psi), 25 °C
- Max. Temperature: 125 °C

Inlet/Outlet thread: Brass insert
Port size: 1/2", 3/4", 1"

Style 1



Style 2



Inlet/Outlet thread: Stainless Steel
Port size: 1/2", 3/4", 1"

Style 3



Inlet/Outlet thread: Stainless Steel
Port size: 3/4", 1", 1.5"

Household Water Purifier



HP-A1



HP-A2



HP-A3



HP-RO



HP-UF



SP-10A1



SP-10A2



SP-10A3



SP-10B2



SP-10B3

RO Membrane Vessel

SSMV40-1 (End port & Half-clamp closure)

- Material: Stainless Steel #304, #316L
- Housing tube type: Seamed, Seamless
- End cap material: ABS, Stainless steel
- Max. working pressure: 250psi
- Inlet port: 3/4" female thread
- Outlet port: 1/2" female thread
- Model: 2521, 2540, 4021, 4040, 4080, 40120, 40160



SSMV40-2 (Side port & Half-clamp closure)

- Material: Stainless Steel #304, #316L
- Housing tube type: Seamed, Seamless
- End cap material: ABS, Stainless steel
- Max. working pressure: 250psi
- Inlet port: 3/4" female thread
- Outlet port: 1/2" female thread
- Model: 2521, 2540, 4021, 4040, 4080, 40120, 40160



SSMV80-1 (End port & Victaulic clamp closure)

- Material: Stainless Steel #304, #316L
- Housing tube type: Seamless
- End cap material: Stainless Steel
- Max. working pressure: 300psi
- Inlet port: 1 1/2" Victaulic
- Outlet port: 1" female thread
- Model: 8040, 8080, 80120, 80160 ...



SSMV80-2 (Side port & Victaulic clamp closure)

- Material: Stainless Steel #304, #316L
- Housing tube type: Seamless
- End cap material: Stainless Steel
- Max. working pressure: 300psi
- Inlet port: 1 1/2" Victaulic
- Outlet port: 1" female thread
- Model: 8040, 8080, 80120, 80160 ...



FRPMV40 (End port)

- Material: FRP
- End cap material: ABS
- Max. working pressure: 300psi, 450psi, 600psi, 800psi
- Inlet port: 3/4" female thread
- Outlet port: 1/2" female thread
- Model: 4021, 4040, 4080, 40120, 40160



FRPMV80 (Side port)

- Material: FRP
- End cap material: ABS
- Max. working pressure: 300psi, 450psi, 600psi, 800psi
- Inlet port: 1 1/2" Victaulic
- Outlet port: 1" female thread
- Model: 8040, 8080, 80120, 80160 ...



Stainless Steel Industrial Cartridge Style Filter Housing

Material: Stainless steel 304#, 316L

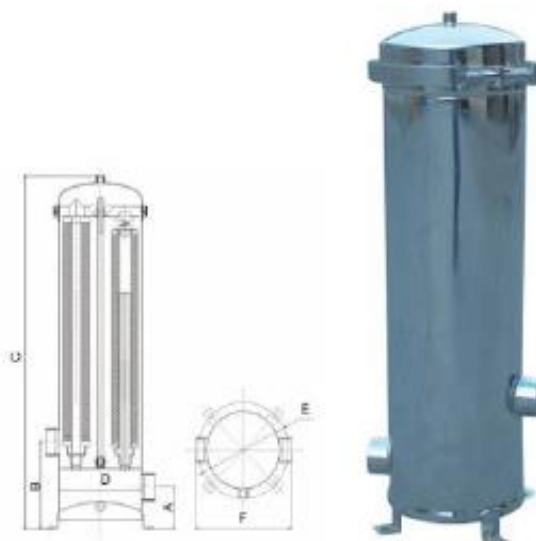
CFH-1 Series

Cover opening & closure type: V-clamp hinged

Max. pressure: 100psi

Filter elements adaptor: 222 O-ring / fin, Double open end-DOE

Model	Amm	Bmm	Cmm	Dmm	Emm	Fmm	Inlet/outlet
3Round-10"L	75	180	550	170	216	230	1"-1 1/2"
3Round-20"L	75	180	800	170	216	230	1"-1 1/2"
3Round-30"L	75	180	1050	170	216	230	1"-2"
3Round-40"L	75	180	1300	170	216	230	1"-2"
5Round-10"L	75	180	580	200	248	260	1"-1 1/2"
5Round-20"L	75	180	810	200	248	260	1"-1 1/2"
5Round-30"L	75	180	1060	200	248	260	1"-2"
5Round-40"L	120	220	1360	200	248	260	1"-2"
7Round-10"L	120	220	620	250	310	315	1 1/2"-2"
7Round-20"L	120	220	870	250	310	315	1 1/2"-2"
7Round-30"L	120	220	1120	250	310	315	2"-2 1/2"
7Round-40"L	120	220	1370	250	310	315	2"-2 1/2"



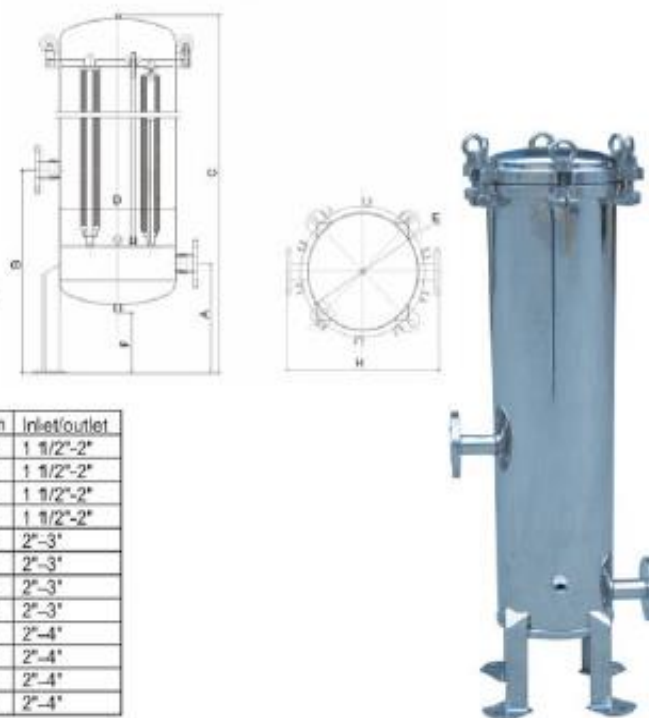
CFH-2 Series

Cover opening & closure type: Swing bolt hinged

Max. pressure: 150psi

Filter elements adaptor: 222 O-ring / fin, Double open end-DOE

Model	Amm	Bmm	Cmm	Dmm	Emm	Fmm	Hmm	Inlet/outlet
5Round-30"L	250	600	1250	200	200	120	340	1 1/2"-2"
5Round-40"L	250	700	1500	200	200	120	340	1 1/2"-2"
7Round-30"L	300	700	1300	250	250	150	390	1 1/2"-2"
7Round-40"L	300	800	1550	250	250	150	390	1 1/2"-2"
11Round-30"L	360	700	1380	300	300	200	440	2"-3"
11Round-40"L	360	900	1620	300	300	200	440	2"-3"
15Round-30"L	380	800	1420	350	350	200	530	2"-3"
15Round-40"L	380	900	1660	350	350	200	530	2"-3"
20Round-30"L	400	800	1460	400	400	200	560	2"-4"
20Round-40"L	400	900	1700	400	400	200	560	2"-4"
27Round-30"L	460	800	1530	450	450	250	630	2"-4"
27Round-40"L	460	1000	1770	450	450	250	630	2"-4"

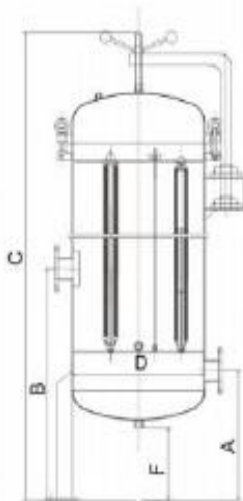


CFH-3 Series

Cover opening & closure type: Swing bolt hinged with lifting davit

Max. pressure: 150psi

Filter elements adaptor: 222 O-ring / fin, Double open end-DOE



Model	Amm	Bmm	Cmm	Dmm	Emm	Fmm	Hmm	Inlet/outlet
15Round-30°L	370	800	1580	350	350	200	490	1 1/2"-2"
15Round-40°L	370	900	1830	350	350	200	490	1 1/2"-2"
20Round-30°L	390	900	1630	400	400	200	560	2"-3"
20Round-40°L	390	1000	1880	400	400	200	560	2"-3"
27Round-30°L	460	900	1680	450	450	250	610	2"-4"
27Round-40°L	460	1100	1930	450	450	250	610	2"-4"
30Round-30°L	480	900	1740	500	500	250	660	2"-4"
30Round-40°L	480	1100	1990	500	500	250	660	2"-4"
36Round-30°L	500	900	1780	550	550	250	710	2 1/2"-4"
36Round-40°L	500	1100	2030	550	550	250	710	2 1/2"-4"
40Round-30°L	560	1000	1850	600	600	300	760	2 1/2"-4"
40Round-40°L	560	1200	2100	600	600	300	760	2 1/2"-4"
50Round-30°L	580	1000	1880	650	650	300	810	3"-4"
50Round-40°L	580	1200	2130	650	650	300	810	3"-4"
60Round-30°L	590	1000	1900	700	700	300	880	3"-5"
60Round-40°L	590	1200	2150	700	700	300	880	3"-5"
75Round-30°L	610	1000	1950	750	750	300	950	3"-5"
75Round-40°L	610	1250	2200	750	750	300	950	3"-5"
80Round-30°L	620	1100	1970	800	800	300	1000	4"-6"
80Round-40°L	620	1250	2220	800	800	300	1000	4"-6"
90Round-30°L	650	1100	2140	850	850	300	1000	4"-6"
90Round-40°L	650	1250	2390	850	850	300	1000	4"-6"
100Round-30°L	670	1100	2070	900	900	300	1140	4"-6"
100Round-40°L	670	1350	2320	900	900	300	1140	4"-6"

Stainless Steel Industrial Bag Style Filter Housing

Material: Stainless steel 304#, 316L

SBF-1 Series – Single Bag Style

Cover opening & closure type: V-clamp hinged

Max. Pressure: 100psi



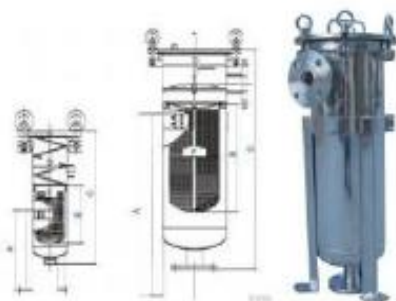
Model	Amm	Bmm	Cmm	Dmm	Fmm	Inlet/outlet
Single Bag size #1	500	380	700	200	170	1"-4"
Single Bag size #2	700	720	1050	200	170	1"-4"
Single Bag size #3	350	190	400	114	97	3/4"-2"
Single Bag size #4	500	340	540	114	97	3/4"-2"

SBF-2 Series – Single Bag Style

Cover opening & closure type: Swing bolt hinged

Max. Pressure: 150psi

Model	Amm	Bmm	Cmm	Dmm	Fmm	Inlet/outlet
Single Bag size #1	500	380	720	219	170	1"-4"
Single Bag size #2	700	720	1070	219	170	1"-4"
Single Bag size #3	350	190	430	114	97	3/4"-2"
Single Bag size #4	500	340	580	114	97	3/4"-2"



MBF Series – Multi Bag Style

Cover opening & closure type: Swing bolt hinged with lifting davit

Max. Pressure: 150psi



Model	Amm	Bmm	Cmm	Dmm	Emm	Fmm	Hmm	Inlet/outlet
2 bag size #2	108	1100	1430	450	450	590	590	3"
3 bag size #2	150	1190	1540	500	500	640	640	4"
4 bag size #2	150	1200	1560	550	550	690	690	4"
5 bag size #2	150	1250	1630	600	600	740	760	5"
6 bag size #2	200	1380	1780	700	700	840	880	6"
8 bag size #2	200	1460	1920	750	750	910	930	8"
9 bag size #2	200	1470	1950	800	800	960	980	8"
10 bag size #2	250	1550	2050	900	900	1060	1100	8"

Stainless Steel Sanitary Filter Housing

SCF-1 Series – Single Cartridge Style

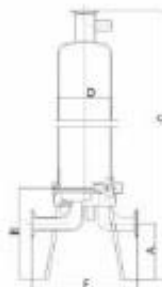
Material: Stainless steel 304#, 316L

Max. pressure: 125psi

Filter elements adaptor: 222 O-ring, 226 O-ring

Cover opening & closure type: V-clamp hinged

Model	Amm	Bmm	Cmm	Dmm	Fmm	Inlet/outlet
1Round-10"L	85	165	560	102	200	1/2" – 1" TC
1Round-20"L	85	165	810	102	200	1/2" – 1" TC
1Round-30"L	85	165	1060	102	200	1/2" – 1" TC



SCF-2 Series – Multi Cartridge Style

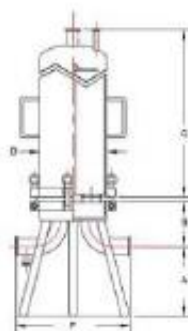
Material: Stainless steel 304#, 316L

Max. pressure: 150psi

Filter elements adaptor: 222 O-ring, 226 O-ring

Cover opening & closure type: Swing bolt hinged

Model	Amm	Bmm	Cmm	Dmm	Fmm	Inlet/outlet
3Round-10"L	150	125	420	200	340	1" TC
3Round-20"L	150	125	670	200	340	1" TC
3Round-30"L	150	125	920	200	340	1 1/2" TC
3Round-40"L	150	125	1170	200	340	2" TC
5Round-10"L	150	150	420	220	340	1 1/2" TC
5Round-20"L	150	150	670	220	340	1 1/2" TC
5Round-30"L	150	150	920	220	340	2" TC
5Round-40"L	150	150	1170	220	340	2" TC
7Round-20"L	225	150	670	250	340	2" TC
7Round-30"L	225	150	920	250	340	2" TC
7Round-40"L	225	150	1170	250	340	2" TC
9Round-30"L	225	210	920	300	450	2" TC
9Round-40"L	225	210	1170	300	450	2 1/2" TC
12Round-30"L	225	210	920	350	450	2 1/2" TC
12Round-40"L	225	210	1170	350	450	3" TC



In-Line Style

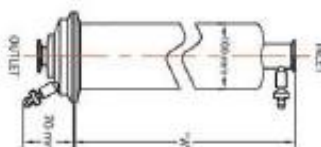
Material: Stainless steel 304#, 316L

Max. pressure: 125psi

Filter elements adaptor: 222 O-ring, 226 O-ring

Cover opening & closure type: V-clamp hinged

Model	Amm	Inlet/outlet
1Round-5"L	233	1" TC
1Round-10"L	360	1" TC
1Round-20"L	614	1" TC



Ventilator Filters

Material: Stainless steel 304#, 316L

Filter elements adaptor: 222 O-ring, 226 O-ring, 215 O-ring

Filter elements length: 2.5", 5", 10"

Cover opening & closure type: V-clamp hinged



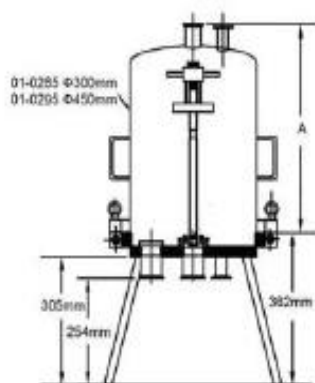
Stainless Steel Sanitary Lenticular Filter Housing

SLF Series

Cover opening & closure type: Swing bolt hinged

Material: Stainless steel 304#, 316L

Max. pressure: 150psi



01-0285-Series Lenticular Disc Stack Dia. 11-1/8" (28.3mm)		
Model #	"A" Dimension	Cells #
01-0285-1	19-3/8" (492mm)	16
01-0285-2SP	27" (686mm)	25
01-0285-2	30-3/8" (772mm)	32
01-0285-3	41-3/8" (1051mm)	48
01-0285-4	52-3/8" (1330mm)	64

01-0295-Series Lenticular Disc Stack Dia. 16-3/4" (42.5mm)		
Model #	"A" Dimension	Cells #
01-0295-1	20" (508mm)	14
01-0295-2	32" (813mm)	28
01-0295-3	43-1/8" (1096mm)	42
01-0295-4	52-1/2" (1394mm)	56

UV Sterilizer

Model	Capability	Power
GMZ-05A	2.0-2.5GPM	14W
GMZ-10A	4.0-4.5GPM	18W
GMZ-15A	6.5-7.0GPM	21W
GMZ-20A	8.5-9.0GPM	29W
GMZ-30A	13.0-13.5GPM	40W



Panel Type Flow Meter

Model	Flow	Connect Port
LZM-1	1GPM	NPT 1/2"
LZM-2	2GPM	NPT 1/2"
LZM-5	5GPM	NPT 1/2"
LZM-10	10GPM	NPT 1"
LZM-15	15GPM	NPT 1"
LZM-20	20GPM	NPT 1"
LZM-30	30GPM	NPT 1"
LZM-35	35GPM	NPT 1"
LZM-50	50GPM	NPT 2"
LZM-60	60GPM	NPT 2"
LZM-80	80GPM	NPT 2"



Brine Tank

Material: PE

Capacity: 15, 25, 60, 100, 200, 300, ... 2000L



Tube Type Flow Meter

Model	Flow	Connect Port
LZS-1	1GPM	FNPT 1/2"
LZS-2	2GPM	
LZS-5	5GPM	
LZS-10	10GPM	FNPT 3/4"
LZS-20	20GPM	
LZS-30	30GPM	FNPT 1"
LZS-60	60GPM	NPT 1 1/2"
LZS-80	80GPM	FNPT 2"
LZS-100	100GPM	NPT 2 1/2"



Portable SDI Apparatus

Model # QZDY-SDI47



Pressure Gauge

Installation Mode: Bottom, Back Connection

Case Material: Stainless Steel

Pressure Rating: 0.6, 1, 2.5, 3, 6Mpa

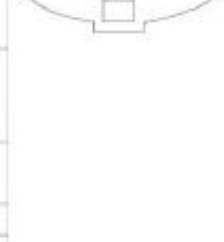
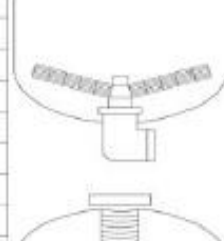
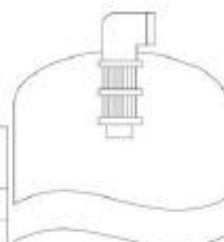
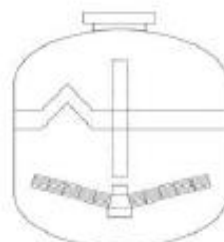


Fiberglass Reinforced Plastic (FRP) Tank



Shell Layer: Fiber Glass
 Liner Material: PE or FRP
 Max. test pressure: 150psi
 Max. working pressure: 100psi
 Temperature Range: 1-49°C
 Maximum Vacuum: 5" Hg (127mm Hg)

Model	Dia. X Height (mm)	Top Open	Bottom Open	Top Distributor	Bottom Distributor	Mounting Mode	Design Flow(LPM)
813	200*450	2.5"Thread	N/A	F0801 F0803 F0813	F0802 F0804 F0814	Top	0 - 3.5
835	200*675	2.5"Thread	N/A			Top	3.5- 6.5
844	200*1050	2.5"Thread	N/A			Top	5.5- 8.5
1055	250*675	2.5"Thread	N/A			Top	8.5-16.5
1054	250*1400	2.5"Thread	N/A			Top	10-25
1252	300*1350	2.5"Thread	N/A			Top	26-36
1265	300*1650	2.5"Thread	N/A			Top	32-41
1384	325*1350	2.5"Thread	N/A			Top	32-41
1485	350*1650	2.5"Thread	N/A			Top	40-50
1685	400*1650	2.5"Thread	N/A			Top	52-79
1965	450*1650	4"Thread	N/A	F192(L)	F192X F06370	Top	75-93
2069	500*1750	4"Thread	4"Thread	F0671 F0672	F06370 F06370	Top/Side	75-100
2572	600*1850	4"Thread	4"Thread	F192(L) F0671 F0672	F192X F06450 F06450	Top/Side	100-135
3072	750*1650	4"Thread	4"Thread	F192(L) F0671 F0672	F192X F06650 F06650	Top/Side	120-203
3672	900*1650	4"Thread	4"Thread	F192(L) F0671 F0672	F192X F06730 F06730	Top/Side	220-270
4072	1000*1850	6"Flange	6"Flange	F173 F175	F05674	Top/Side	200-380
4072	1200*1850	6"Flange	6"Flange	F173	F05674	Side	305-450
4096	1200*2400	6"Flange	6"Flange	F175		Side	405-835



Water Distributor



F0601



F0602



F0603
F0613



F0604
F0614



F182(L)



F182X



F8801



FU6370
FU6450
FU6600
FU6700



F8802



F5671
F5672



F123
F175

F03674
F03675

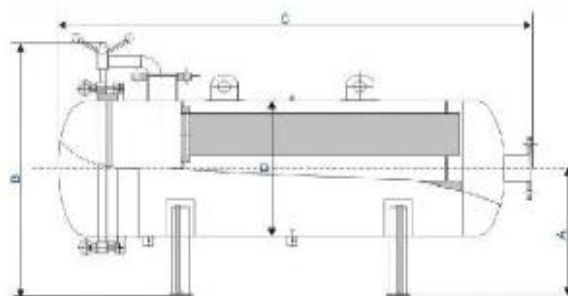
FD6370
FD6450
FD6600
FD6700



HIGH FLOW LARGE FILTER HOUSING

HCFH-Series

- Material: Stainless steel 304#, 316L
- Cover opening & closure type: Swing bolt hinged
- Max. pressure: 150psi
- Outer surface: polished or sandblast



Model	A mm	B mm	C mm	D mm	Inlet/ outlet	Drain
1Round-40"L	350	530	1270	200	2" - 3"	1/2"
2Round-40"L	500	960	1670	450	3" - 4"	1"
3Round-40"L	580	1070	1810	500	4" - 6"	1"
5Round-40"L	610	1125	1835	550	5" - 6"	1"

HIGH FLOW LARGE FILTER CARTRIDGE



Features & Benefits

- Gradient pore structure
- Up to 110M3/H flow rate per filter cartridge for water filtration
- Maximum 50% reduction of filter system
- 20", 40" and 60" lengths are available
- All contaminants can be removed off inside the cartridge by the inside - out flow direction

Applications

- Prefiltration of RO, Pretreatment of sea water Desalination;
- Condensate water filtration, hot water recovery in power generation;
- API, solvents, and water filtration in BioPharm Market;
- The filtration of bottled water, high Fructose, edible oil, soft drinks, and milk;
- Paints and coatings, Petrochemical, Refineries;
- Microelectronics, film, fiber and resin;

Material of Constructions

- Filter media: Pleated glass fiber / Pleated depth Polypropylene(PP) / Melt blown PP
- Support/Drainage: Polypropylene(PP)
- End caps: Glass fiber reinforced Polypropylene
- O-ring seal: EPDM, NBR

Recommended Operating Conditions

- Maximum Operating Temperature:
Pleated glass fiber 121 °C / Pleated PP 82 °C / Melt Blown PP 65 °C;
- Maximum Differential Pressure:
Pleated glass fiber 4.0bar / Pleated PP 4.0Bar / Melt Blown PP 2.5Bar ;
- Recommended Change out Differential Pressure: 1.5Bar at 20 °C
- Suggested Flowrate of water: 250 - 660LPM/20"L 500 - 1,300LPM/40"L 800 - 1,900LPM/60"L

Cartridge Dimensions

- Removal Ratings: 1um, 4.5um, 6um, 10um, 20um, 40um, 70um, 100um
- Outside Diameter: 6"/152mm
- Length: 20"/528mm, 40"/1022mm, 60"/1538mm

Ordering Guide

Model HFL	Media	Micron Rating	Outer Structure	Seal	Length
HFL- High flow large type	PP- PP pleated PM- PP melt blown GF- Glass fiber pleated	1: 1µm 4.5: 4.5µm 6: 6µm 10: 10µm	B: Bandage C: Cage	E- EPDM N- Buna	20: 20" 40: 40" 60: 60"

Valves

Floating Ball Valve

Size: 1/2"~ 8"

Class: 150~2500

1PC/2PC/3PC Casted/ Forged Steel Body

Floating Ball, Full & Reduced Bore

Anti-Static Device

Blow-out Proof Stem

Fire Safe Design

Low Emission

Specifications

Design ASME B 16.34/ API 6D / BS EN ISO 17292(BS5351)

Face to Face ASME B16.10

End To End ASME B16.10

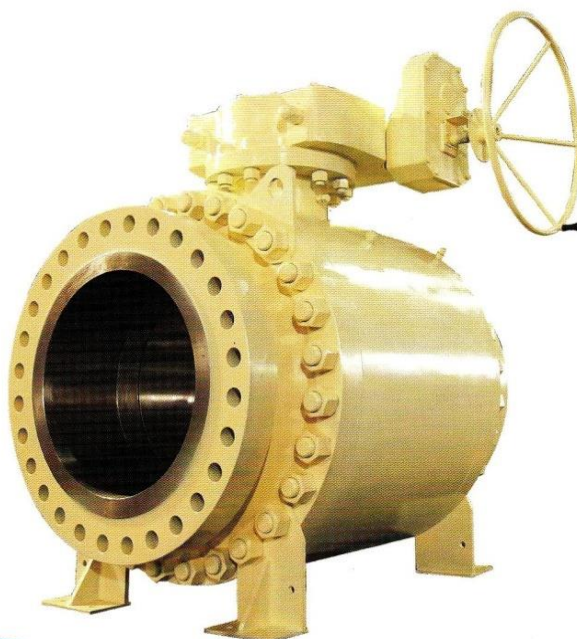
End Flange ASME B16.50

BW End ASME B16.25

Test API 598/BS EN 1266(BA6755)

Fire Safe Test API 607/ API 6FA

Special NACE MR 0175



Trunnion Mounted Ball Valve

Size: 2"-48"

Class: 150~2500

2PC/3PC body side entry/1PC Top entry

Trunnion Mounted Ball, Full & Reduced Bore

Anti-static Device/Blow-out Proof Stem

Double Block and Bleed/ Fire Safe Design

Emergency Sealant Injector (6" & Larger)

Vent Valve (6" & Larger)

Lifting Lugs & Supporting Feet (8" & Larger)

Specifications

Design ASME B16.34/API6D

Face to Face ASME B16.10/API 6D

End to End ASME B16.10/API 6D

End Flange ASME B16.50/ B16.47A

BW End ASME B16.25

Test API 6D

Fire Safe Test API 607/API 6FA

Special NACE MR 0175



Operation:

Manual (handle, gear box)

Actuator (Penumatic, electric)

DBB Ball Valve

(Double Block & Bleed Ball Valve)

Twin ball design

Size: 1/2" ~ 12"

Rating: ANSI CLASS 150 ~ 2500

Design: API6D/ISO 14313

Face to Face: Manufacture's standard

Connection: RFXRF / RFXNPT

NPTxNPT / Hub x Hub etc



Operation: Manual (handle, gear box)



SMALL FORGED BALL VALVE

Feature

Size: 1/2"~ 2"

Class: 800~ 2500

Two/ Three Pieces forged Steel Body

Floating Ball / Anti-Static Device

Blow-out Proof Stem

Specifications

Design: ASME B16.34

BS EN ISO 17929(BS5351)

End to End Manufacture Standard

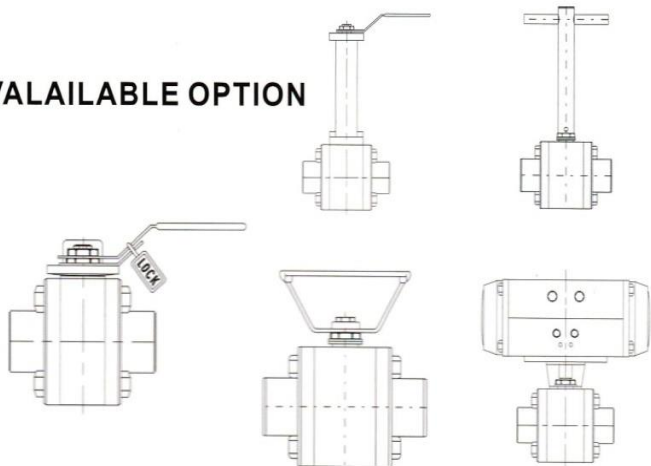
Screwed End ASME B1.20.1

Socket welding Ends ASME B16.11

Test API 598/ BS EN 1266(BS6755)

Special NACE MR 0175

AVAILABLE OPTION



Cast Steel Gate, globe, Check valves

Sizes NPS 2 to NPS 48
Class 150 to Class 2500

Bolted Bonnet or Pressure Seal Bonnet
Renewable seat rings upon request

Design & manufacture according to API 600, API 603, ASME B16.34

Face-to-face according to ASME B16.10

End Connection according to ASME B16.5 (RF & RTJ), ASME B16.25 (BW)

Test & inspection according to API 598

Also available per NACE MR-0175, NACE MR-0103, ISO 15848, API 624

Available in Casting (A216 WCB, WC6, WC9, A350 LCB, A351 CF8, CF8M, CF3, CF3M, A995 4A, A995 5A, A995 6A), Alloy 20, Monel, Inconel, Hastelloy



Forged Steel Gate, globe, Check valves API 602



- Sizes NPS 1/4 to NPS 3
- Class 150 to Class 2500
- Outside Screw & Yoke (OS&Y)
Bolted Bonnet, Welded Bonnet or Pressure Seal Bonnet
- Design & manufacture according to API 602, ASME B16.34
- Test & inspection according to API 598
- End Connection according to ASME B16.11 (SW), ASME B1.20.1 (NPT), ASME B16.5 (RF, RTJ)
- Also available per NACE MR-0175, NACE MR-0103, ISO 15848, API 624
- Available in Forged (A105, LF2, F5, F11, F22, A182 F304 (L), F316 (L), F347, F321, F51), Alloy 20, Monel, Inconel, Hastelloy

Common valves

1 Piece Threaded ball valve reduced port 800 WOG

2 Pieces ball valve full port 1000 /2000WOG:

Connection Female Threaded, Male Threaded, Female X male threaded

3 pieces ball valve full port 1000 WOG:

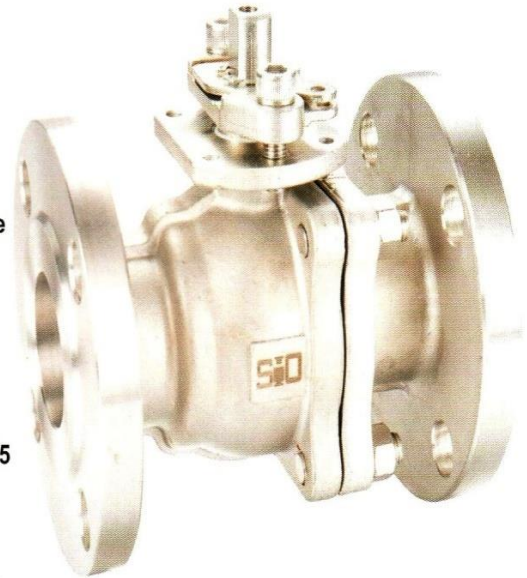
Connection: Female threaded, socket weld, butt weld, extended tube, clamp, mixed

2 Pieces Flange Ball Valve Full port ANSI 150 300/ DIN PN 16 25 40 / JIS 10K 20K

Metal Seated Stainless Steel Gate/ Globe/ Check / Filter

Soft Seated Stainless Steel Y type check valves/ Globe Valves/

Spring Check Valves



S08 Stainless Steel Actuated ball valve

Features & Benefits

Silicone Free

Full Port for unobstructed flow

Live-loaded Pyramidal stem seal design

Blow-out proof stem

Quick quarter-turn rotation

High cycle stem design

Integrated mounting pad for actuators

Compact assembly

Complete line of accessories

Flexible connections

Specifications

Materials

Body, Ball, & Stem: stainless steel SS304,316

Stem Seals: PTFE, Viton®, or RPTFE

Seats: PTFE or RPTFE,TFM

End Connections

NPT Threaded (1/4" to 4")

Socket Weld (1/4" to 4")

Butt weld(1/4" to 4")

Tri-Clamp (1/2" to 4")

Butt weld / socket weld for tube(1/4" to 4")

Extend tube(1/4" to 4")

Temperature Range:

-30 to 380°F

Max Working Pressure : 2000 PSI

Available Actuators

Electric

Pneumatic (spring return)

Pneumatic (double acting)

Manual Handle



S09 Actuated Flange Ball Valve

Features & Benefits

- Full Port for unobstructed flow
- Live-loaded Pyramidal stem seal design
- Quick quarter-turn rotation
- High cycle stem design
- Blow-out proof stem
- Integrated mounting pad for actuators

Specifications

Size: 1/4"-8"

Materials

Body: Carbon Steel or Stainless Steel

Seats: PTFE, RPTFE, TFM

End Connections

ANSI 150#

ANSI 300#

PN16/25/40

JIS 10K

Available Actuators

Electric

Pneumatic (spring return)

Pneumatic (double acting)

Manual Handle



PFA Lined Butterfly Valve

Specifications

Size Range 11/2" to 20" (40 to 500mm)
Pressure Ratings Up to 150psi (10bar)
Vacuum Rating To 0.0002 psia (1.03 x 10⁻² torr)
Temperature -20°F to 320°F (-29°C to 160°C)
Body Style Two-piece, Wafer, Lug
Face-to-face ANSI B 16.34 ISO 5752, API 609
Top Plate ISO 5211
FE Standard ISO 15848-1, ISO 15848-2
Drilling ASME B16.5 CL150, DIN PN16, JIS 10K



Available Actuators

Electric
 Pneumatic (spring return)
 Pneumatic (double acting)
 Manual Handle Lever
 Manual Geared Hand Wheel

Resilient Seated Butterfly Valve

Materials

Body: Epoxy Coated Ductile Iron
Disc: 316 Stainless Steel (standard) NI Plated D.I. or Bronze available
Seats - BUNA-N or EPDM
End Connections
Wafer: 2" to 12"
Lugged: 2" to 24"
Temperature Range:
 BUNA-N: -4 to 194°F
 EPDM: -22 to 230°F
Pressure Range:
 225 PSIG (2" to 12")
 160 PSIG (14" to 24")



Actuator & Accessories

