

GOLDENTEX PRO



FILTER PRESS CLOTH



DUST COLLECTOR FILTER



LIQUID FILTER BAG



AIR FILTER

**Environmental
Technical
Filter Media
Filter Service
Filter Supplier**

GOLDENTEX PRO COMPANY LTD.

เลขที่ 1/17 หมู่ที่ 1 ถนนชลบุรี-บ้านบึง ตำบลหนองขี้ซาก อำเภอบ้านบึง จังหวัดชลบุรี
1/17 Moo 1, Chonburi-Banbung Rd., T. Nongsumsak, A. Banbung Chonburi 20170
Tel : 038-751148-49 Fax : 038-751150
E-mail : goldentexpro@gmail.com

DUST COLLECTOR FILTER

Filter Standard Product

- PP Polypropylene
- PES Polyester
- PA Polyamide
- PAN Homopolymer Polyacrylonitrile
- PPS Polyphenylsulfide
- NO m-Aramide (NOMEX)
- P84 Polyimide
- PTFE Polytetrafluoroethylene
- GF Fiberglass



Surface treatments & Chemical Protective treatments

- We offer a wide variety of special felts with special treatments

Felt special treatment	Descriptions	Properties of the dust & Benefit
Singe on one side	Burn the end of fiber	<ul style="list-style-type: none"> • Free flowing dust • Abrasive dust
Calendered on one side	Felt is made smooth and glossy by being pressed through rollers	<ul style="list-style-type: none"> • Agglomerating dust • Sticky dust
Oil and water repellent finish	Fluorinated resins by bath impregnation of the felt	<ul style="list-style-type: none"> • Separation of wet and oil and tacky dust • Humid dust
Polyurethane foam Deep Coating	Polyurethane foam deep coating. Suitable for temperature up 140 °C	<ul style="list-style-type: none"> • Separation of agglomerating dust • Strongly adhesive dust • tacky dust
Copolymer Foam Deep Coating	Copolymer foam deep coating Suitable for temperature up to 200 °C	<ul style="list-style-type: none"> • Separation of agglomerating dust • Better filtration efficiency • Low emission
Antistatic treatment	Blending high grade steel fiber into the support Fiber and Cloth	<ul style="list-style-type: none"> • Surface resistivity <math> < 10^3 \Omega \sim 10^4 \Omega </math>
Acids and hydrolysis protection	Dipped with specific chemicals	<ul style="list-style-type: none"> • Aramide are effectively protected against acid and hydrolytic attacks
PTFE Membrane	Expanded PTFE coating on the dust side	<ul style="list-style-type: none"> • Extremely fine dust • Control low emission • Better efficiency • Good cleanability
Against flying sparks treatment	Layered structure with fiber of pre-oxidized acrylic polymer on dust side blended with finer fiber.	<ul style="list-style-type: none"> • Increased resistance to sparks or any incandescent particle • Increased bag lifetime
Microfiber felt	<ul style="list-style-type: none"> • Microfiber on the dust side • Use if multilobal fiber on the dust side 	<ul style="list-style-type: none"> • Extremely fine dust • Controlled Low emission • Better efficiency • Increased bag lifetime

How to choose of the optimal filter medium

Dust

- Dust concentration Dust proportion in crude gas.
- Dust composition Particle size and chemical composition of the dust
- Dust characteristics Electrostatics. Agglomeration tendency. Adhesive forces
Adhesive forces. Rate of vertical descent. Apparent settling density.

Cleanability Supporting

- Beating
- Shaking
- Low pressure rinsing
- Jet pulse

Gas Properties and Temperature

Fiber Type	Resistance to Acids	Resistance to Alkalis	Resistance to temperature °C		Resistance to Hydrolysis	Resistance to Oxidation
			Continuum	Maximum		
Polypropylene (PP)	1	1	90	100	1	4
Polyester (PES)	3	4	150	150	4	2
Polyacrylonitrile	2	3	125	140	2	2
Polyamide (PA)	3	2	110	115	4	3
Polyphenylene sulfide (PPS)	1	1	190	200	1	3
m-Aramid (NO)	3	3	180	220	3	2
Polyimide (P-84)	2	3	240	260	2	2
Polytetrafluoroethylene (PTFE)	1	1	250	280	1	1
Fiberglass(GF)	2	3	260	300	2	2

Excellent = 1

Good = 2

Moderate = 3

Bad = 4

FILTER PRESS CLOTH

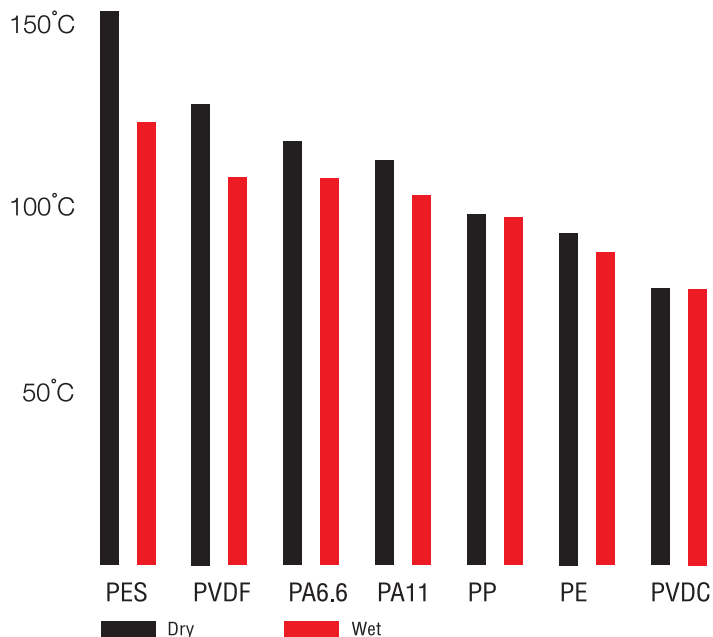
Goldentex pro offers a wide range of woven fabrics for

- Traditional filter press
- Membrane plates filter press
- Belt filter press
- Vacuum belt filter
- Disc filter
- Centrifugal filter

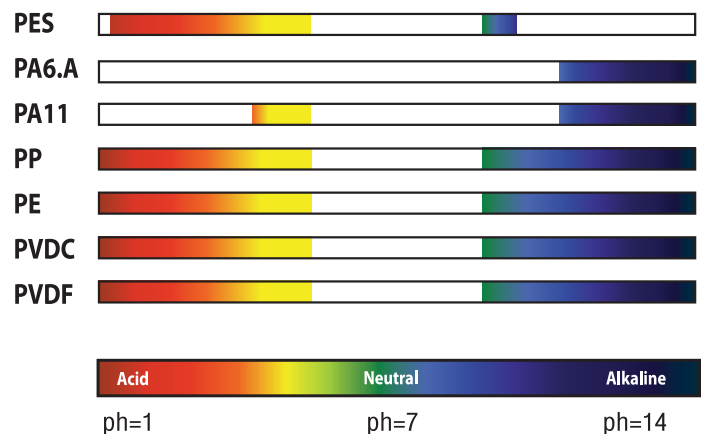


The fibers generally are applied by :

- Polypropylene
- Polyester
- Polyamide



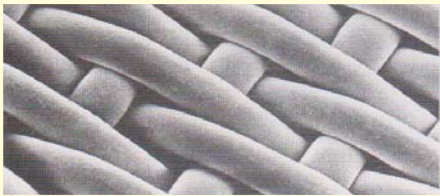


Temperature Resistance






Chemical Resistance

How to select a proper filter cloth

Type of yarn

Monofilament	Multifilament	Staple
 <ul style="list-style-type: none"> • Particular smooth • Excellent cake release • Low retention capacity of particles • Low risk of blinding 	 <ul style="list-style-type: none"> • High tensile strength • Good cake release • Good retention capacity 	 <ul style="list-style-type: none"> • Low tensile strength but large surface for optimum retention of the smallest particles. • High filtration efficiency • High resistance to wear

Weave Pattern

Satin	Twill	Plain
 <ul style="list-style-type: none"> • Cake side can be very smooth and flat. • Excellent cake release • Medium retention capacity • Very good resistance to blinding 	 <ul style="list-style-type: none"> • Diagonal structure • Very good mechanical resistance • Good resistance to blinding and effective. • Good cake release 	 <ul style="list-style-type: none"> • Very simple structure with the same appearance of both sides of the fiber. • High retention capacity • Low resistance to blinding

Filter Media Features

	Yarn Type			Weave Pattern		
	Monofilament	Multifilament	Staple	Satin	Twill	Plain
Filtration rate
Cake release
Retention capacity
Resistance to blinding

Excellent ...

Good ..

Poor .

In order to meet different operating requirements. We also use fiber combination. It would improve surface smooth, cake release, resistance to blinding

LIQUID FILTER BAG

Goldentex Pro offers standard bag with different fibers, rings, constructions ...etc.



Fiber Materials

- **Square mesh** - Polypropylene
 - Polyester
 - Polyamide

- **Felt**
 - Polypropylene
 - Polyester
 - m-Aramid
 - PPS
 - PTFE



Micron Rating Availability (um)

1	5	10	25	50	100	150	200	~	1000
---	---	----	----	----	-----	-----	-----	---	------

Filter Bag Size and Flow Rate (GPM) water

Size	Product Dimensions	Square Feet	Max. Recommended Flow Rate (GPM) Water
#1 (P1 S1 ST1)	7" x 16"	2.2	55 GPM / filter bag
#2 (P2 S2 ST2)	7" x 32"	4.4	90 GPM / filter bag
#3 (P3 S3)	4" x 9"	0.7	16 GPM / filter bag
#4 (P4 S4)	4" x 14"	1	25 GPM / filter bag
#5 (P5 S5)	4" x 24"	1.8	45 GPM / filter bag

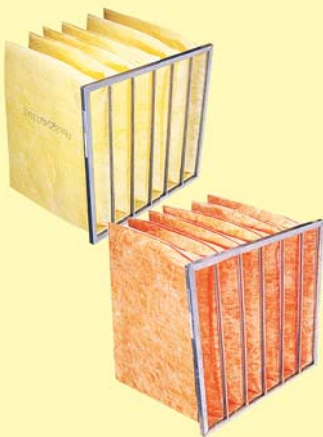
AIR FILTER



Pre-Filter Media



Fiberglass Filter



Pocket Bag Filter



HEPA / ULPA Filter

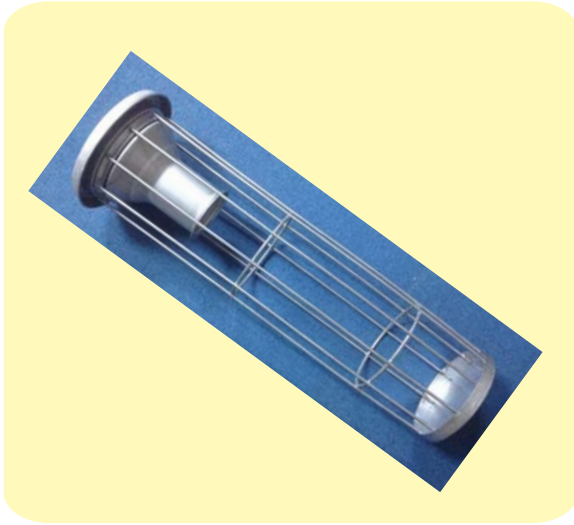


Plastic Scrubber Filter



Compressor Pre - Filter

SPARE PARTS AND ACCESSORIES



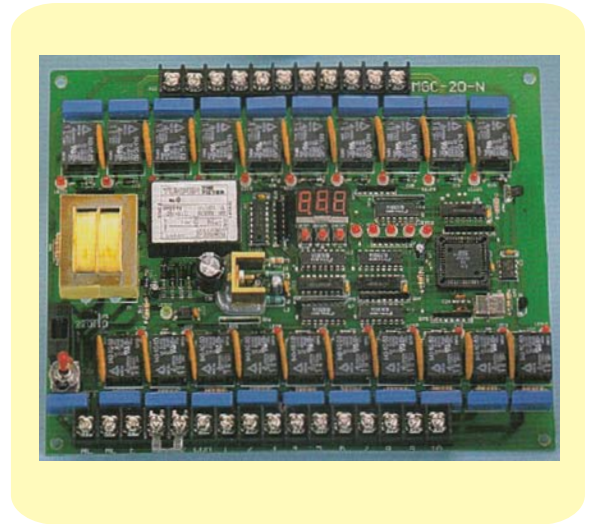
Cage & Venturi



Pressure Gauge



Pulse Jet Valve



Sequential Controller



Dust Filter Cartridge



Activated Carbon Filter