

Leading manufacturers of
**Stainless Steel Wire
Mesh and Filter
Elements since 1972**



**PRODUCT
CATALOGUE**

COMPANY OVERVIEW

Siriram Filtration & Engineering Company is a renowned business based in India with a rich history dating back to 1972. We take pride in the dedication of all those who have contributed to making Siriram Filters the trusted brand it is today, known for offering competitive prices and fostering long-lasting and mutually beneficial relationships with our clients.

Our manufacturing plant, which prioritizes the well-being of our employees, is at the core of our success, and we spare no effort in ensuring that we minimize any chance of failure. Exceptional customer service is our belief, as we strive to provide our clients with value for their money. While we started with weaving stainless steel wire mesh, we have expanded our

product line to include specialized items such as CPF candle filters, spin pack filters, wire mesh extruder screens, and more.

Quality is our foremost priority as a leader in the industry. We understand that the effectiveness of a filter depends on the use of premium materials and machines, and we never compromise on that. We are constantly on the lookout for the latest innovations and ideas to create an unquestionably top-tier product. To ensure the highest quality standards, we have invested in quality control rooms to ensure that no filter, regardless of its size, leaves our warehouse without being free of impurities and reaching our customers in a perfect and satisfying condition.



To be a dominant player for polymer filter elements in india and globally.



To add value to our clients' business by continuously tapping into new fields of filter elements using sintered media and mesh, in refineries, petrochemicals, pharmaceuticals and many more industries.

OUR UNIQUE STRENGTHS

- Dominant Player In The Market Since 1972
- Tremendous Goodwill With End Users Across All Industries
- Wide Product Ranges From Ss Wire Mesh To Filter Elements
- State-Of-The-Art Facilities Including Plant & Machinery
- More Than 60% National Market Share Of Pack Consumables
- Heading For Domination In Local Cpf Candle Filters Market
- Integrated Product Range Ensures Low Operating Cost
- Advantage Of Selling Both High-End And Low-End Products To Same Buyer
- Offering Same Technical Expertise To Both End Products
- Low Operating Cost Due To Controlled Manpower Cost And Integrated Products
- World Class Products At Local Prices
- Location Makes Us Competitive In Overseas Markets Like South East Asia

OUR PRODUCTS



CPF Candle Filters

What began in 2016, is now an established CPF Candle Filters brand proudly serving the Polymer industry. Our focus on continuous innovation makes us the preferred CPF Candle Filters suppliers to leading polymer companies. To efficiently serve the needs of the polymer processing industry, we proudly offer the entire line of candle filter from 5 microns to 80 microns in non woven sintered metal fibre & dutch twill weave We meet your specific filtration requirements, from intermediates to pre-polymers, to final filtration and spin packs.

Our cutting edge manufacturing unit manufactures the following types of CPF Candles



Pleated Wire Mesh Candle Filter

By implementing the pleating process, we ensure that the folding wire meshes back itself for substantially increasing the filtration area and capacity to hold dirt, while ensuring low pressure in the machine.



Pleated Sintered Fibre Candle Filter

We use sintered fibre media instead of fine filtration wire mesh to make this sort of filter. This filter is manufactured from high-quality stainless-steel fibres of varying lengths and minimum diameters, and it requires the procedures of high temperature setting, lamination, and lapping. The sintered fibre belt considerably increases the candle filter's life.



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Wire Mesh

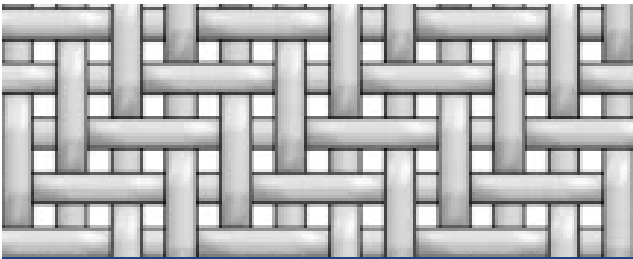


We offer Premium Quality mesh in sizes ranging from 4 mesh to 10 microns. Our wire meshes are of the highest calibre and come with a complete assurance that they will be uniform across the whole roll. We have the resources necessary to successfully satisfy your need for high tensile, premium quality stainless steel wire mesh in big quantities.



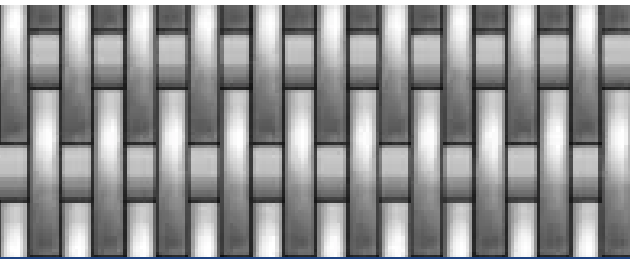
Square Mesh Plain Weave

Square mesh plain weave is a popular type of wire cloth known for its precise aperture accuracy. Horizontal wires pass through vertical wires at a 90-degree angle, creating consistent square holes. However, this weave may have lower strength compared to other patterns.



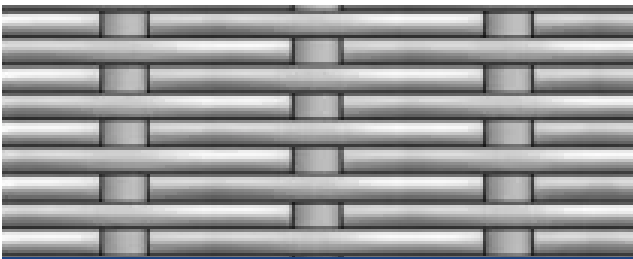
Square Mesh Twilled Weave

Square Mesh Twilled Weave-Wire cloth with a square mesh that has a slight diagonal displacement and is woven with particularly thick wires is typically fine wire cloth with an aperture smaller than 63 microns. Each vertical wire is run alternately over and under two horizontal wires to create the Twilled Weave Pattern.



Single Plain Dutch Weave

Running thicker wires vertically and thinner wires horizontally (Weft) creates a Dutch weave pattern (Warp). This weave is stiffer compared to plain weave and twill weave. By combining fine and coarse wires, a finer aperture size with higher dirt holding capacity and stiffness can be achieved.



Dutch Twill Weave

The Dutch Twill Weave Mesh is characterized by closely twill-woven weft wires. The main distinction from regular twill weave is the difference in wire diameter, with the warp wire being heavier and larger in diameter, while the weft wire is finer and smaller in diameter. This weave pattern allows for the creation of wire meshes with larger wire diameters. the Dutch Twill Weave Mesh is the stiffest option.



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Product Specifications : Plain Weave

Mesh/Lin-ear (INCH)	Wire Diame-ter (S.W.G.)	Wire Diameter (MM)	Aperture (MM)
4	16	1.625	4.725
	18	1.219	5.131
6	18	1.219	3.014
	20	0.914	3.319
8	22	0.711	2.464
	24	0.558	2.617
10	22	0.711	1.829
	24	0.558	1.982
12	24	0.558	1.559
	26	0.457	1.659
14	24	0.558	1.256
	26	0.457	1.357
16	26	0.457	1.131
	28	0.376	1.211
20	26	0.457	0.813
	28	0.376	0.890
	30	0.314	0.950
24	28	0.457	0.600
	30	0.314	0.744
30	30	0.314	0.530
	32	0.274	0.570
40	32	0.274	0.261
	34	0.233	0.400
	36	0.193	0.442
50	36	0.193	0.315
60	36	0.193	0.230
	37	0.173	0.250
	38	0.152	0.271
80	40	0.121	0.196
	42	0.101	0.220
100	42	0.101	0.153
	44	0.081	0.160
120	44	0.081	0.120
150	45	0.071	0.098
170	46	0.061	0.092
180	47	0.051	0.090
200	47	0.051	0.075

Dutch Twilled Weave

Mesh/ Lin-ear (INCH)	Wire Diame-ter (S.W.G)	Aperture	
		Micron	Micron
30 X 360	0.25 X 0.15	80	90-100
50 X 600	0.18 X 0.10	50	70-75
100 X 600	0.10 X 0.06	35	35-45
80 X 700	0.10 X 0.076	25	35-38
200 X 600	0.05 X 0.045	20	28-32
200X 800	0.05 X 0.045	15	24-26
200 X 1400	0.05 X 0.045	10	12-14
325 X 2300	0.035 X 0.025	2	2-6

Square Mesh Dutch Weave

Mesh/ Lin-ear (INCH)	Wire Diame-ter (S.W.G)	Aperture	
		Nominal Micron	Micron
12X64	0.58 X 0.42	200	320-340
24X110	0.37 X 0.27	80	115-125
40X200	0.14 X 0.18	55	70-75
50X250	0.15 X 0.11	40	58-63
80X400	0.12 X 0.061	35	40-45

Square Mesh Twilled Weave

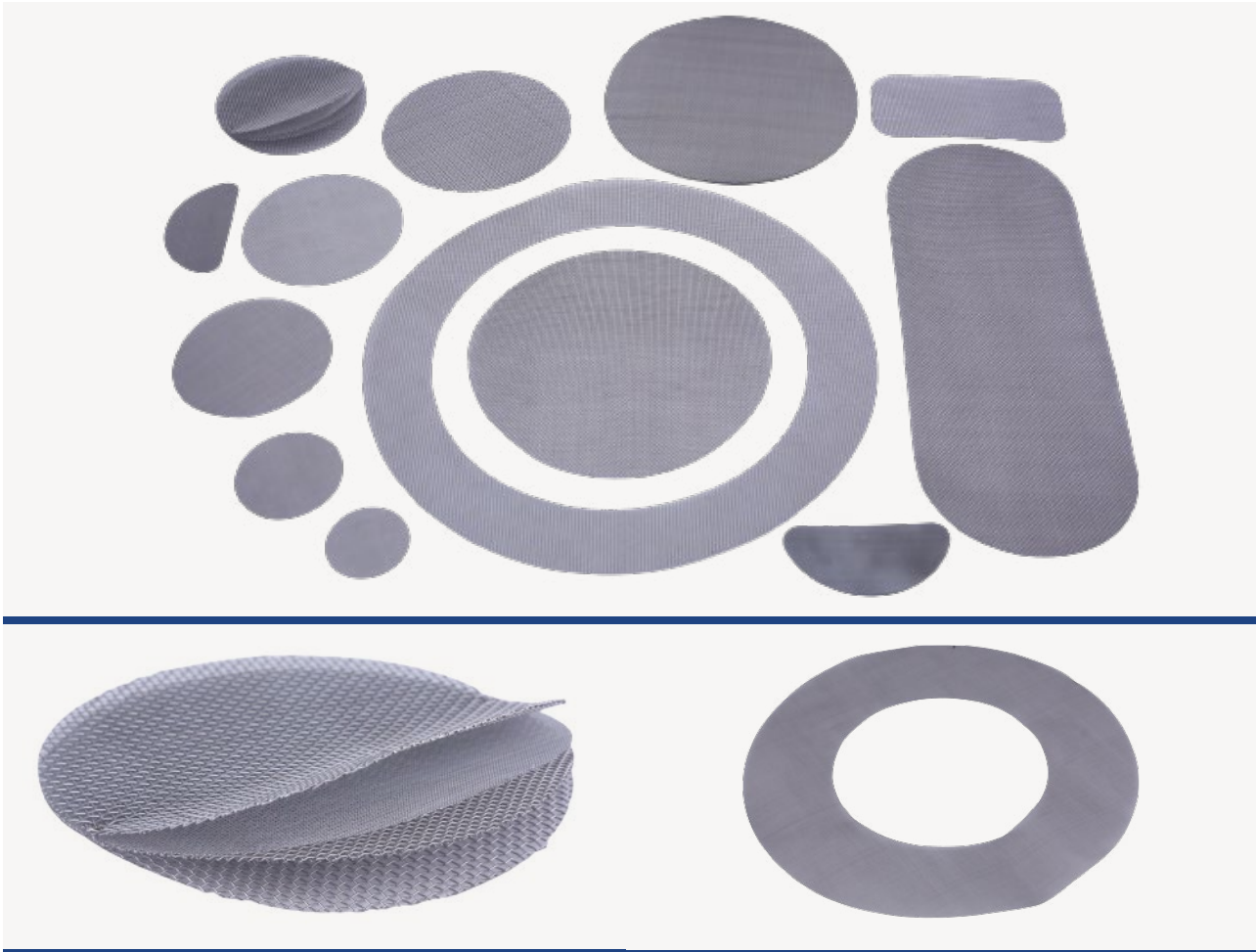
Mesh/ Lin-ear (INCH)	Wire Diame-ter (S.W.G)	Aperture	
		Nominal Micron	Micron
250	48	0.041	0.060
300	48	0.041	0.043
325	48.5	0.036	0.042
400	49	0.030	0.033
500	50	0.025	0.025

OUR PRODUCTS

Spot Welded Screens and Filters



We manufacture high quality Wire Mesh Screens in both Ferrous and Non-Ferrous metal in various sizes and mesh patterns. At siriram filtration we have deployed top quality press shop , calendaring machines , tool room and one of the widest range of moulds to offer a wide range of wire mesh screens in a wide range of mesh size woven inhouse we offer our buyers quality screens with perfect & defect free cutting edges , sizes and profiles .



Features

- Available in all shapes and sizes
- Huge manufacturing capacity to fulfil orders on time



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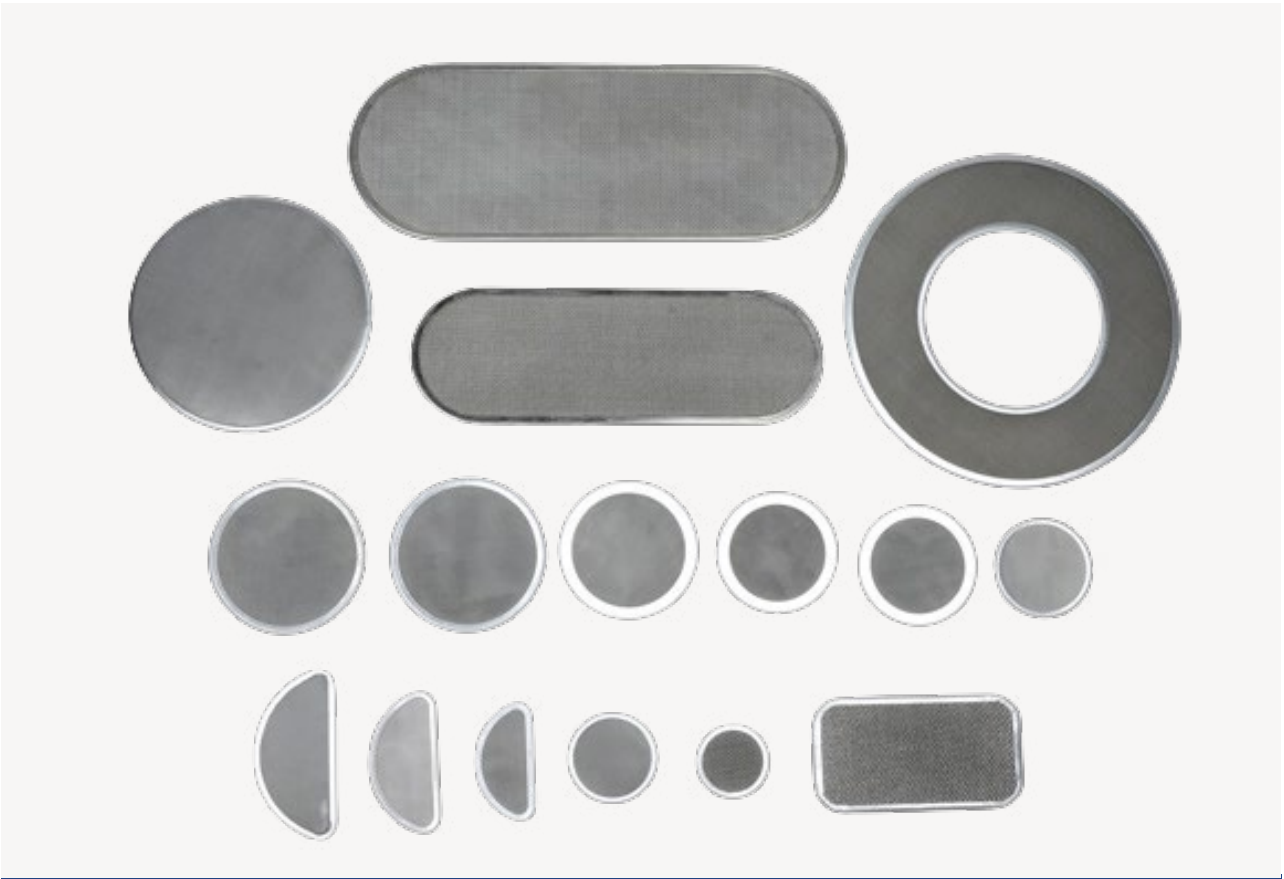
OUR PRODUCTS

Wire Mesh Pack Filters



In order to construct a top-choice filter, we must seek for raw materials from the best sources. Our spin pack filters are only a copy of the standards we think a leader should uphold.

- We offer one of the largest inventories of pack filter moulds, ranging in size from 20mm to 400mm. We have a huge production plant, which allows us to give customers faster delivery times.
- We have a specially designed press shop with strict quality standards for increased outputs.
- In order to provide a product free of contamination and filth, all of our pack filters are given an ultrasonic cleaning and degreasing treatment.



Application Industries

- | | | |
|--------------------------|-------------------------------------|-----------------------|
| • Polyester yarns | • Polyester fibre from recycled pet | • Polypropylene yarns |
| • Polyester staple fibre | • Nylon yarns | • Industrial yarns |



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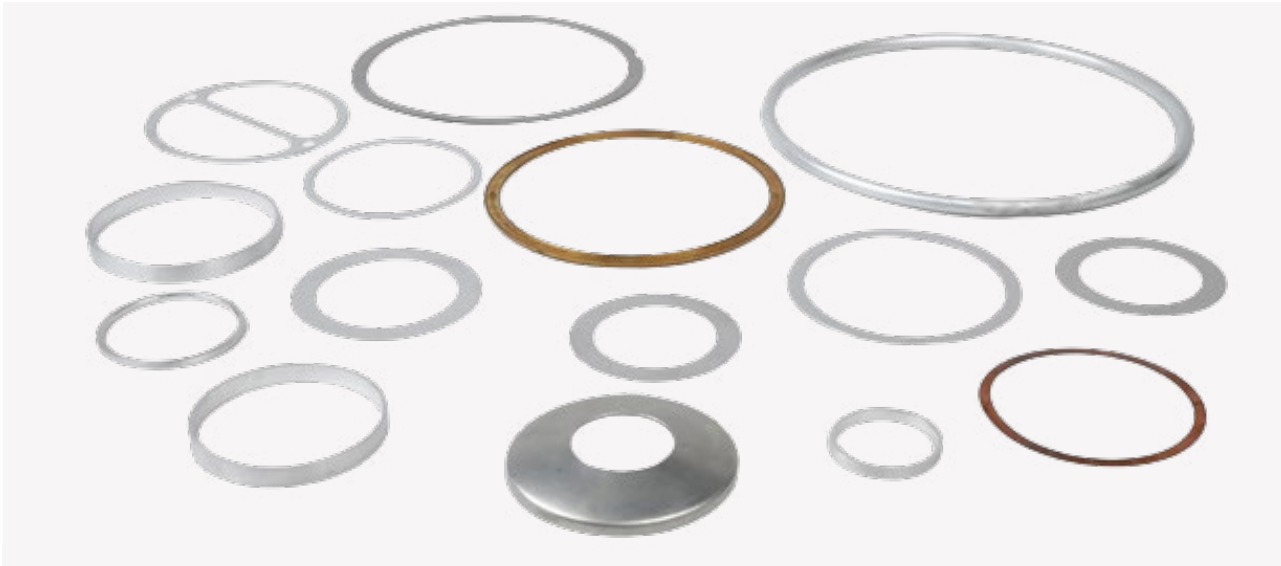
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OUR PRODUCTS

Gaskets



We mould gaskets into strong shielding products so that you will never have to worry about problems like seepage of substances. Many delighted repeat clients who were impressed by the quality and affordability we offer have received excellent gaskets from us.



Durable gasket properties:

- It should have optimal strength to withhold high pressure weight with ease
- Proper sealing between surfaces so as to avoid polymer leakages .
- Materials used for the production of gaskets should be of supreme quality to deliver a gasket of supreme nature,We at SRFE do not compromise when it comes to this.



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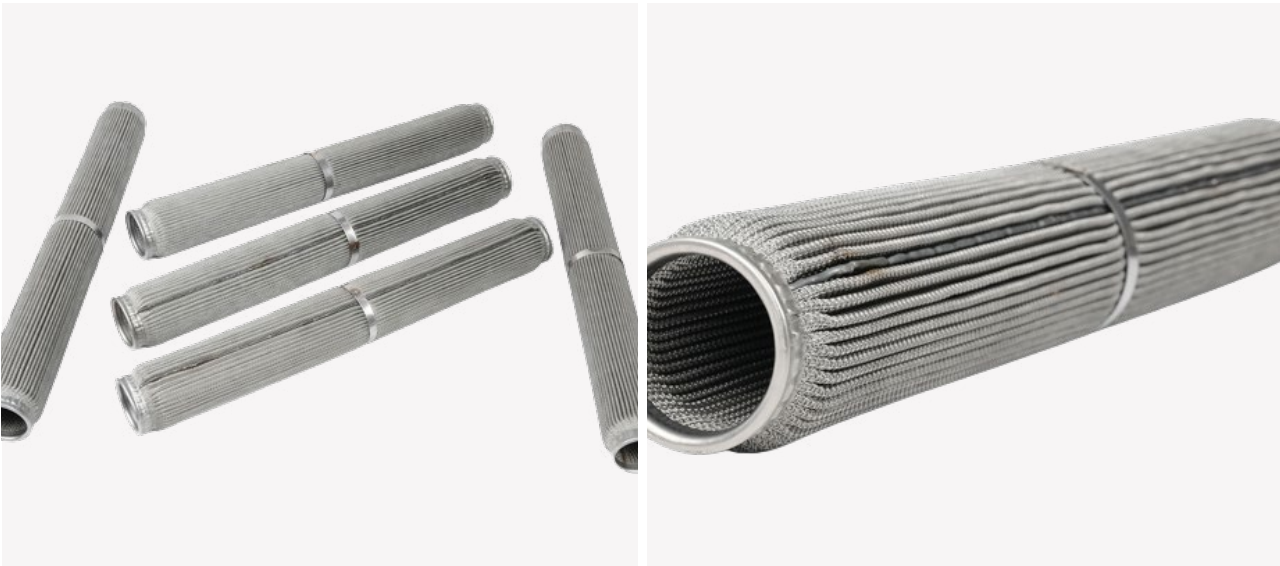
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OUR PRODUCTS

Pleated Multilayer Wire Mesh Candle Filters



We manufacture pleated wiremesh candle filters of all sizes and specifications as per the customers requirement and these candle filters are made by using our in house manufactured high quality wiremesh and these candels are pleated in house using specialised pleating machines.



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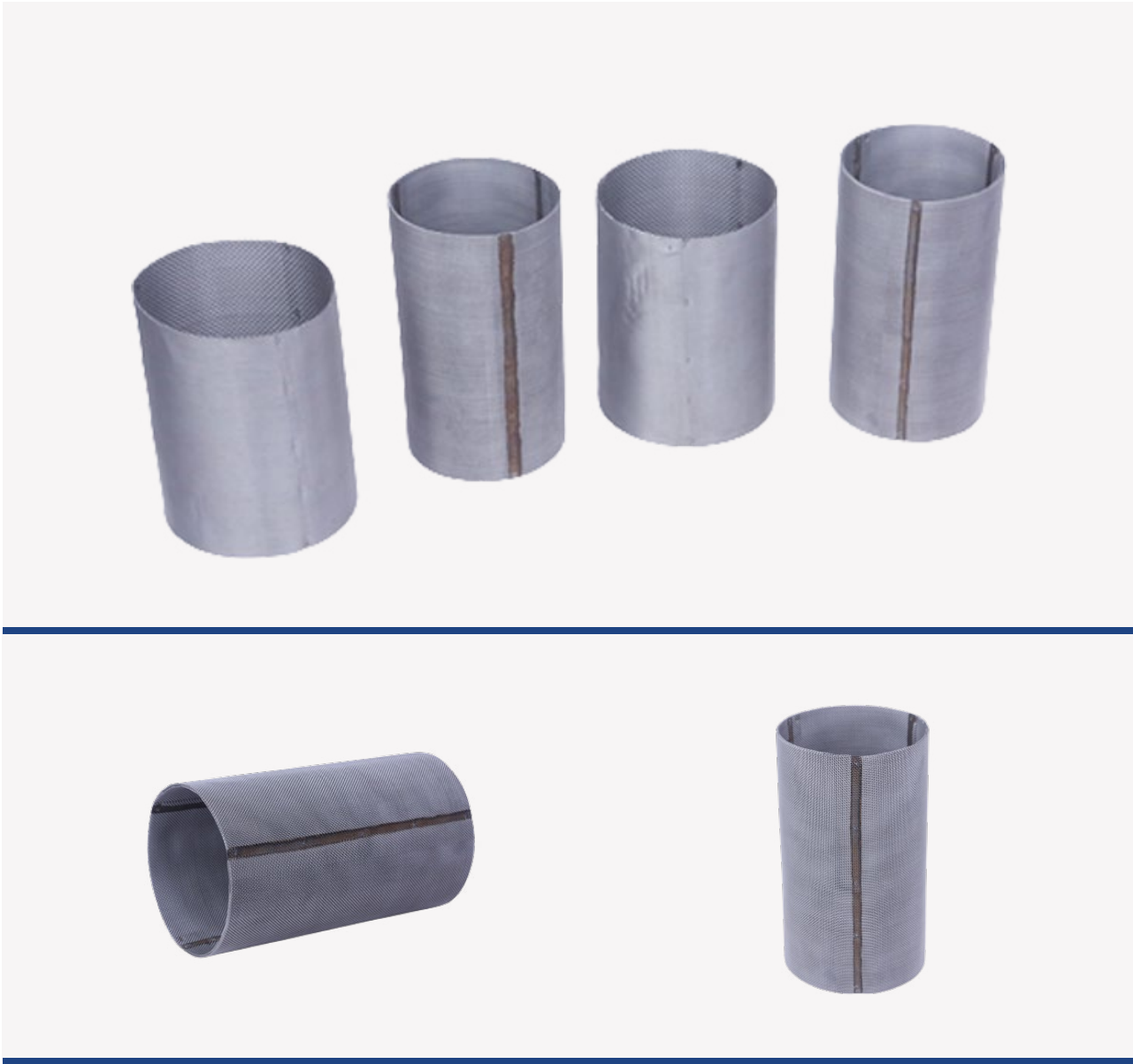
OUR PRODUCTS

Cylindrical Filters



We manufacture spot welded, seam welded multi layer mesh candle filters tailor made as per requirement. We can offer wide range of mesh size , micron size mesh for right quality of filtration.

- Precise weld quality of weld done on precision custom made welding machines
- Strong robust welding for quality performance



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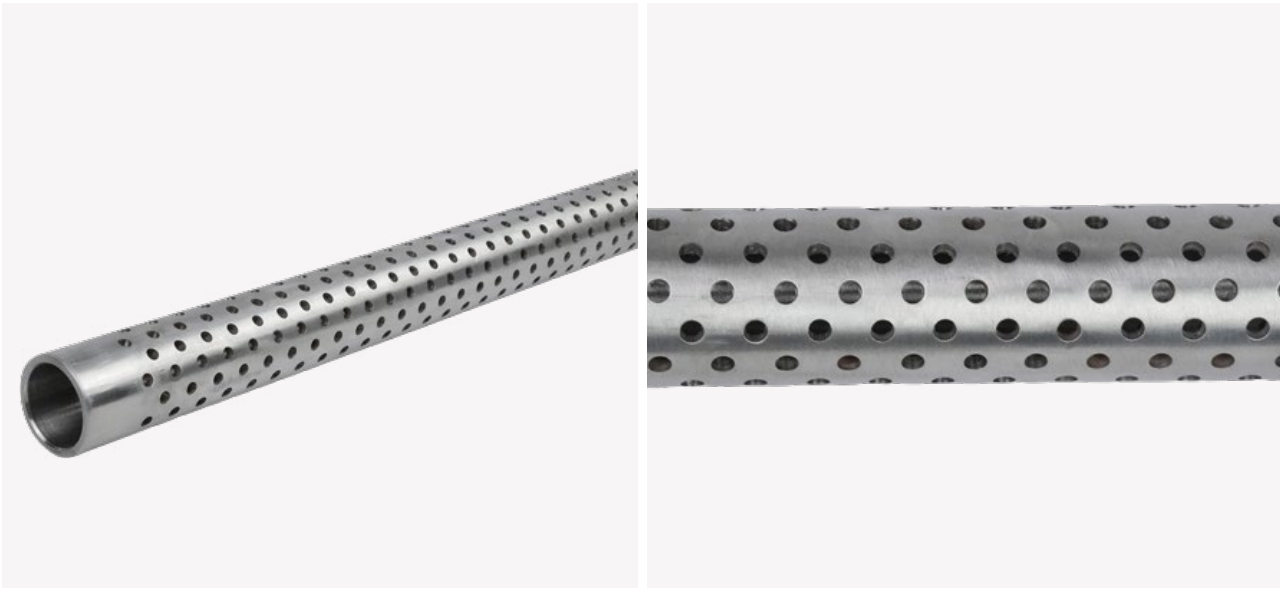
OUR PRODUCTS

Other Fabricated Products



Siriram Filters is equipped to fabricate products as per client requirements.

Candle Core



Conical Strainer



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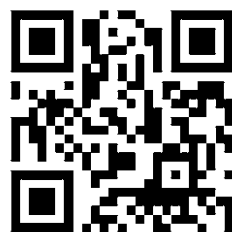
QUALITY CONTROL

At Siriram Filtration and Engineering Company, we lay great emphasis on quality control during both production and dispatch. We procure all raw materials for our products only from authorised dealers and our experts confirm their physical and chemical composition before purchase. We've put strict qualitative measures in place at every step of the production process. Our motto is "quality products at affordable prices".

CONTACT US

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