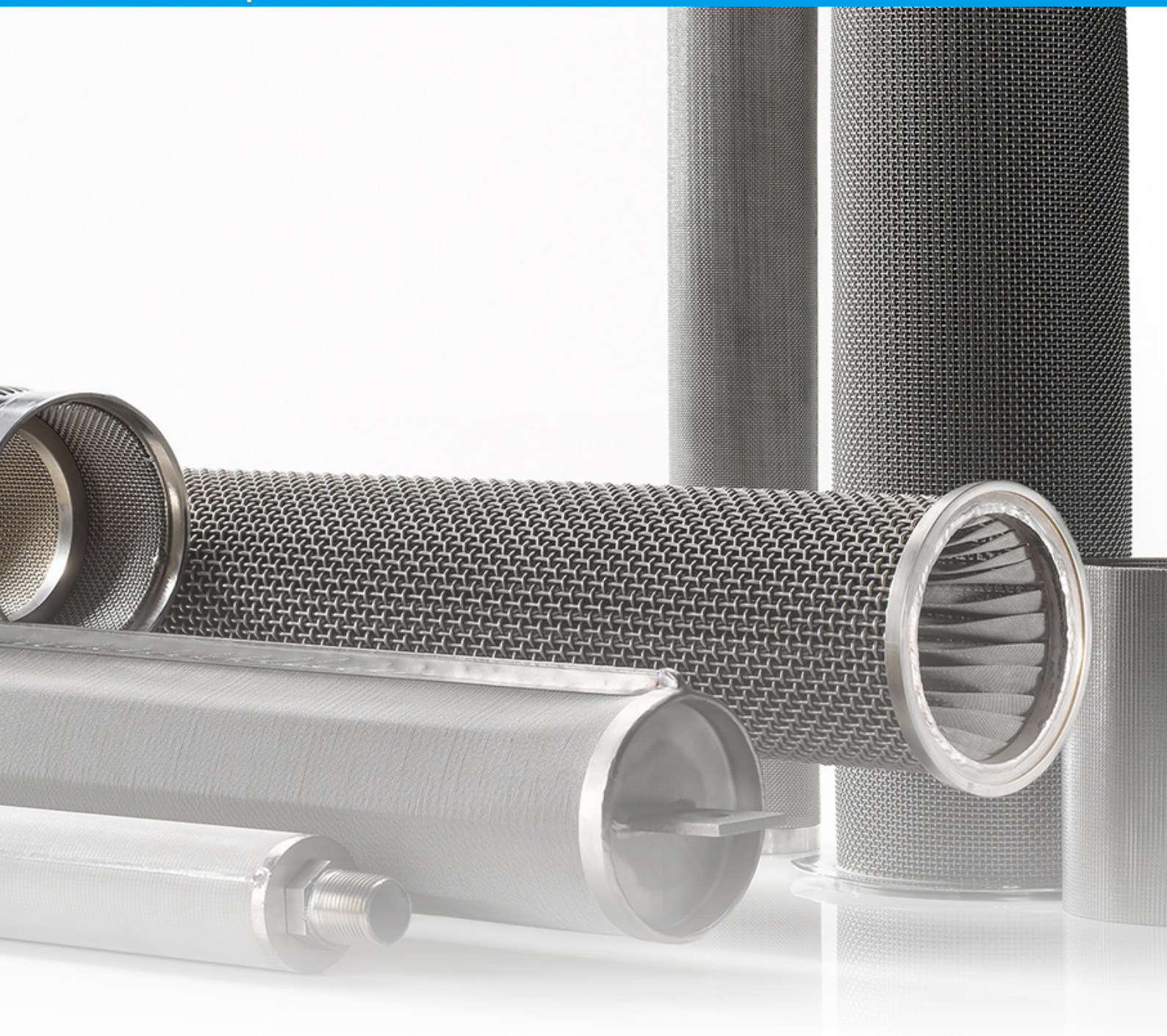
WALCOOM

Walcoom Corporation



FILTER ELEMENT

www.walcoom.com
E-mail: sales@walcoom.com

"Filter element is related to safety and health"

As a manufacture of stainless steel and paper filter elements, many leading companies have preferred Walcoom as regular suppliers for various filtration products. We have almost all kinds of stainless steel wire mesh production workshops and professional filter element design team, thus forming a tight production chain. Therefore, we have the ability to provide you with different shapes and specifications of custom filters element.

Filter element separates the solid particles from the liquid or gas to protect the normal work of the equipment or the cleanliness of the air. When the fluid enters the filter element with a certain specification screen, its impurities are blocked, and the clean flow is discharged through the filter element. The liquid filter makes the contaminated liquid clean to the desired state of production and life. Filter element also used to air purified and fuel gas filtration.

Various shapes and sizes are available

Cylinder filter element

Pleated filter element

Disc filter element

Basket filter element

Panel filter element

Conical filter element

Wedge filter element

Leaf filter element

Candle filter element

Belt filter element

Various production process

Sintered filter element

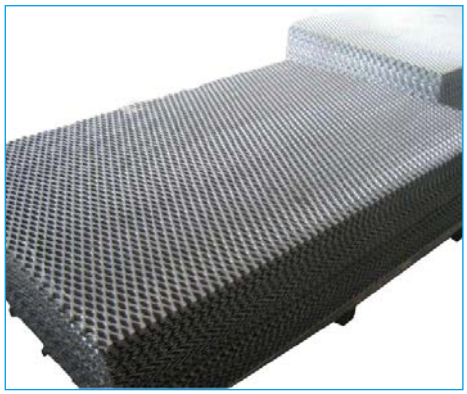
Sintered mesh filter element

Knitted wire mesh filter element

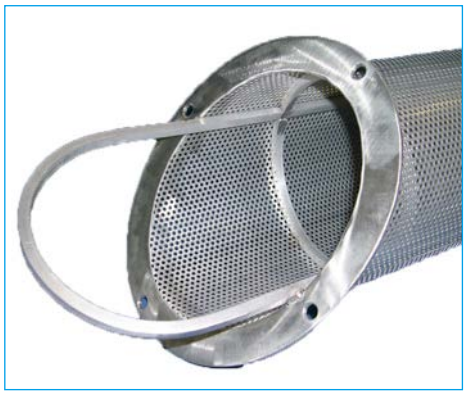
Compressed knitted mesh filter element

Wire cloth filter element

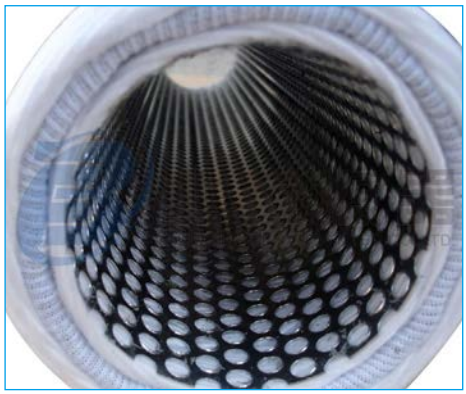
Woven wire mesh filter element



Expanded metal filter element



Perforated metal filter element



Wire-wound filter element

Filter multiple applications of media

Fuel oil filter, protect the engine

Irrigation water filtration

Indoor air purification

Sewage treatment system

Fuel gas transmission

Pool water purification

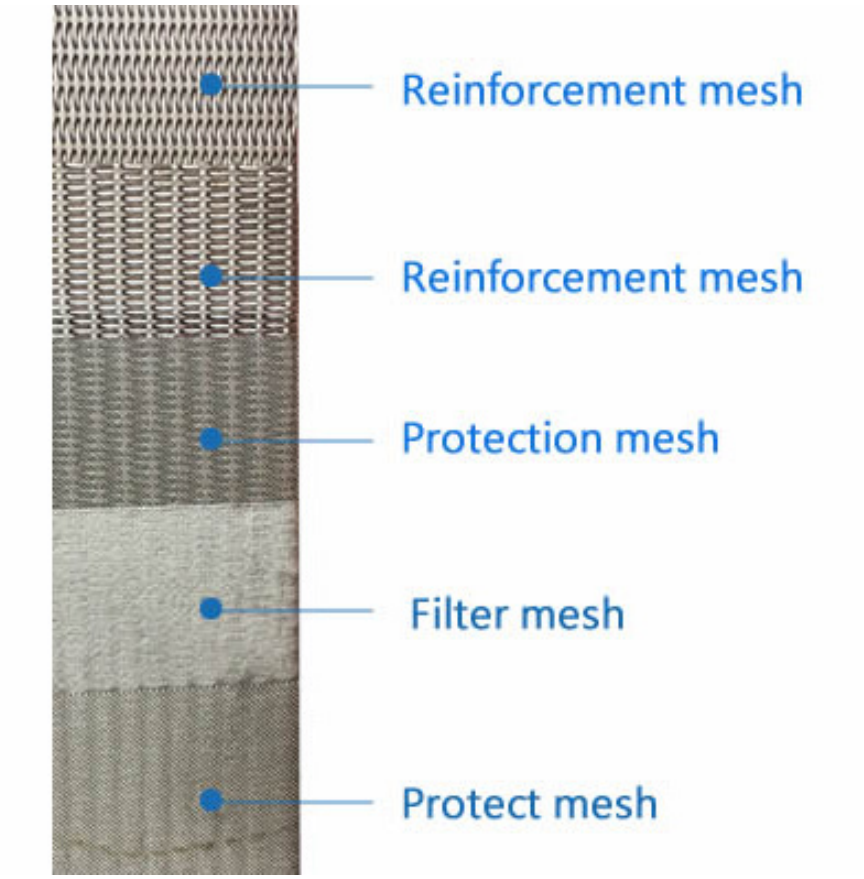
Feature

- Extensive chemical compatibility, large flow rate.
- Low pressure difference, high sewage capacity.
- Stoma uniform, precise filtration accuracy.
- Good pressure resistance, not subject to temperature change.
- Good sealing, anti-corrosion, wear resistance.
- Adapt to dusty and sand working environment.
- Environmental protection, long service life.

Specification

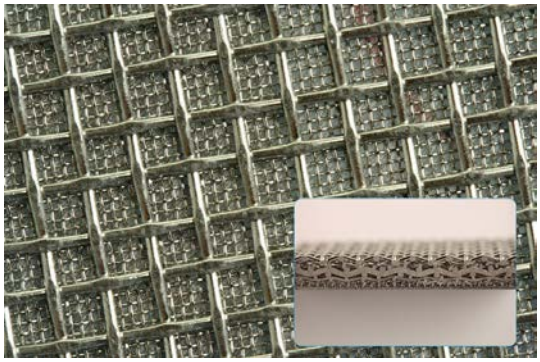
- **Name:** Filter core.
- **Material:** Stainless steel, filter paper.
- **Length:** 5", 10", 20", 30", 40" or as needed.
- **Diameter:** 60, 64, 69, 83, 131 mm, or as needed.
- **Inner diameter:** 28 –40 mm, or as needed.
- **Filter precision:** 2–200μm, or 200–2000 μm.
- **Filtration area:** 0.01–0.2 m^2.
- **Rated flow:** 80-200 L/min.
- **Package:** Standard pallet with waterproof film, or according to your requirement.

Sintered stainless steel mesh filter element material specification



Sintered laminate

Model	Normal filter rating (μm)	Structure	Weight (kg/m^2)	Porosity (%)
MW5-1	1	100+400/2800+100+12/64+64/12	1.81	360–600
MW5-2	2	100+325/2300+100+12/64+64/12	2.35	300–590
MW5-5	5	100+200/1400+100+12/64+64/12	2.42	260–550
MW5-10	10	100+165/1400+100+12/64+65/12	3.00	220–500
MW5-15	15	100+165/1200+100+12/64+64/12	3.41	200–480
MW5-20	20	100+165/800+100+12/64+64/12	4.50	170–450
MW5-25	25	100+165/600+100+12/64+64/12	6.12	150–410
MW5-30	30	100+450+100+12/64+64/12	1.7	120–390
MW5-40	40	100+325+100+12/64+64/12	6.86	100–350
MW5-50	50	100+250+100+12/64+64/12	8.41	90–300
MW5-75	75	100+200+100+12/64+64/12	8.7	80–250
MW5-100	100	100+150+100+12/64+64/12	9.1	70–190



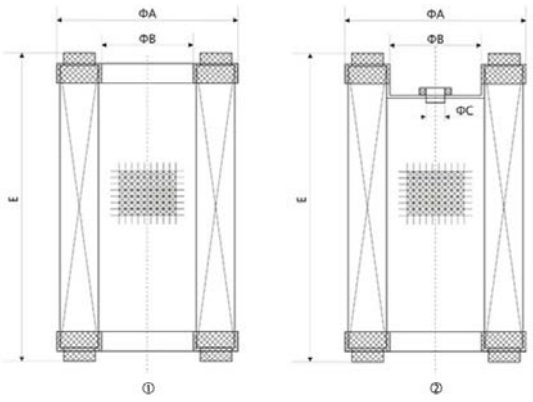
Sintered square wire mesh

Model	Normal Filter Rating (μm)	Structure	Weight (kg/m^2)	Porosity (%)
SW2-0.5T	2–100	filter layer+60	1.6	60
SW3-0.7T	2–100	60+filter layer+60	2.4	56
SW3-1.0T	2–200	50 +filter layer+20	3.3	58
SW3-2.0T	2–250	filter layer +2+8.5	6.5	58
SW4-1.0T	2–200	60+filter layer+40+20	4.4	44
SW5-1.8T	125	16 + 20+24/110		
SW4-1.7T	2–200	40+filter layer+20+16	6.2	54
SW5-1.9T	2–200	30+filter layer +60+20+16	5.3	52
SW5-2.5T	2–200	80+filter layer+30+10+8.5	8.8	55
SW7-2.0T	2–150	50+filter layer+40+20+40+filter layer+50	7.4	58

Sintered perforated metal & mesh

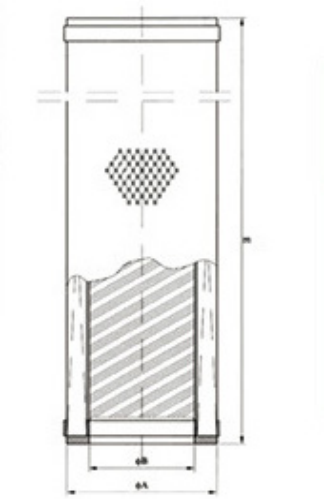
Model	Normal Filter Rating (μm)	Structure	Weight (kg/m^2)	Porosity (%)
FW4-2.0T	2–200	30+Filter layer+30+φ4x5Px1.0T	1.6	60
FW4-2.5T	2–200	30+Filter layer+30+φ5x7Px1.5T	2.4	56
FW5-3.0T	2–200	60+Filter layer+60++20+φ6x8Px2.0T	3.3	58
FW5-3.5T	2–200	20+Filter layer+20++10+φ8x10Px2.0T	6.5	58
FW5-4.0T	2–200	20+Filter layer+20++10+φ8x10Px2.5T	4.4	44
FW5-4.3T	125	20+Filter layer+20++10+φ10x13Px3.0T		
FW5-5.3T	2–200	20+Filter layer+20++10+φ10x13Px3.0T	6.2	54

Fuel gas drawing and specification



Model	OEM Code	Type	Dimensions (mm)			
			Φ A	**Φ B**	**Φ C**	**Φ E**
WF601	G0.5	2	75	35	14	116
WF602		1	82	35	/	120
WF603		2	82	35	14	116

WF604	G1.0	1	95	50	/	165
WF605		2	95	50	14	161
WF606	G1.5	1	120	69	/	210
WF607		2	120	69	14	206
WF608	G2.0	1	165	86	/	270
WF609		2	165	86	14	266
WF610	G2.5	1	200	110	/	283
WF611		2	200	110	14	279
WF612	G3.0	1	252	138	/	320
WF613		2	252	138	18	316
WF614	G3.5	2	299	186	18	256
WF615	G4.0	1	299	186	/	415
WF616		2	299	186	18	411
WF617	G5.0	1	390	246	/	470
WF618	G6.0	1	475	320	/	625



Cartridge Product Code	Dimensions (mm)		
	Φ A	Φ B	Φ E
WCF 801	114	83	917
WCF 802	114	83	1828
WCF 803	96	56	984
WCF 804	114	82	1378
WCF 805	112	80	915

Application

- Air filtration.
- Water filtration.
- Oil filtration.
- Fuel gas filtration.
- Natural gas filtration.
- Used for the filtration of electronic, petroleum, chemical, pharmaceutical, food, metallurgy, textile and other fields.

Maintenance & replacement

1. Change before you put off the original hydraulic oil, and check the return oil filter element, oil suction filter element, pilot filter element, look to whether with iron scrap, copper scrap or other impurities, so there may be hydraulic components failure. After troubleshooting, cleaning the hydraulic system.
2. When changing hydraulic oil, all hydraulic oil filter elements should be replaced at the same time (return oil filter element, oil suction filter element, pilot filter element), otherwise it is equivalent to not changing.
3. Identify the hydraulic oil label, and the hydraulic oil of different labels and different brands should not be mixed, which may cause the reaction to produce flocculation. It is recommended to use the excavator for oil.
4. Before refueling, it is necessary to install the oil filter element, and the pipe port with the oil filter core is directly to the main pump. If the impurities are entered, it will speed up the main pump wear and tear, or even hit the pump.
5. Refueling to standard position, the hydraulic tank usually has oil level gauge, look at the liquid level gauge. Pay attention to the way of parking, usually all of the oil cylinder is withdrawn, that is, the small arm, bucket fully extended and fall to the ground.
6. After adding the oil, pay attention to the main pump to exhaust air. Otherwise, the main pump will not operate for a while. The main pump will have a abnormal sound (air sonic boom), even the main pump will be damaged by the heavy air hole. The air outlet method is to loosen the pipe joint directly at the top of the main pump and fill it directly.

FILTER ELEMENT

Walcoom Corporation

– Walcoom accept diversity
customization as your needed.

Add: No. 3481, Yongxing Road, Hengshui City, Hebei Province, China.
Tel: +86-15030811699
Skype: wiremesh@live.com
E-mail: sales@walcoom.com
Web: http://www.walcoom.com