

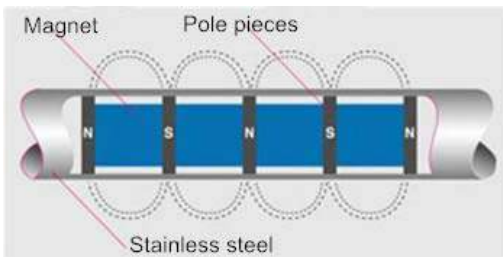


Filter And Magnetizer Cataloge

1	Magnetic Bar	Page 1
2	Magnetic Bag Filter Housing	Page 2
3	Magnetic Filter	Page 3~4
4	Heavy Duty Magnetic Filter	Page 5
5	Magnetic Water Activator	Page 6~7
6	Strong Water Magnetizer	Page 8~9



Magnetic bar provides effective means removing ferrous chips and metal particles from loosely packed, free flowing materials. They are usually made of 304/316 stainless steel tubes and filled with rare earth neodymium magnet. It is widely used in ceramic raw materials, chemicals and pharmaceuticals, machinery, electronics, paint pigments, food processing, textile etc.



Representation: For example [CB 12000GS 25x200 H M8x20-1]

Magnetic Bar	Force (GS)	Diameter (mm)	Length (mm)	Temperature	Screw
CB	12000	Φ25	200	H	M8x20

Max Working Temperature: ①N: 80°C; ②M: 100°C; ③H: 120°C; ④SH: 150°C; ⑤UH: 180°C; ⑥EH: 200°C

Following is the relationship between diameter, magnetic force and maximum operation temperature for reference. "√" means it can be manufactured on the condition of the diameters listed in the table. "-" means can not be manufactured.

Magnetic Diameter	4000GS	5000GS	6000GS	8000GS	9000GS	10000GS	12000GS
Φ6(0.24")	√ UH	-	-	-	-	-	-
Φ8(0.31")	√ UH	-	-	-	-	-	-
Φ9(0.35")	√ UH	-	-	-	-	-	-
Φ10(0.39")	√ UH	-	-	-	-	-	-
Φ12(0.47")	√ UH	√ UH	-	-	-	-	-
Φ16(0.63")	√ UH	√ UH	√ UH	-	-	-	-
Φ19 (0.75")	√ UH	√ UH	√ UH	√ UH	-	-	-
Φ20.3(0.80")	√ UH	√ UH	√ UH	√ UH	-	-	-
Φ22 (0.85")	√ UH	√ UH	√ UH	√ UH	√ UH	-	-
Φ25 (1.00")	√ UH	√ UH	√ UH	√ UH	√ UH	√ UH	N
Φ32 (1.25")	√ UH	√ UH	√ UH	√ UH	√ UH	√ UH	N
Φ38 (1.50")	√ UH	√ UH	√ UH	√ UH	√ UH	√ UH	N
Φ50 (1.75")	√ UH	√ UH	√ UH	√ UH	√ UH	√ UH	N
Φ63(2.48")	√ UH	√ UH	√ UH	√ UH	√ UH	√ UH	N

Ends: Nail head, eye nuts, thread hole, threaded rod and other kind of ends for necessary mounding.



Eye nuts



Thread rod



Thread hole



Cusp



Nail head

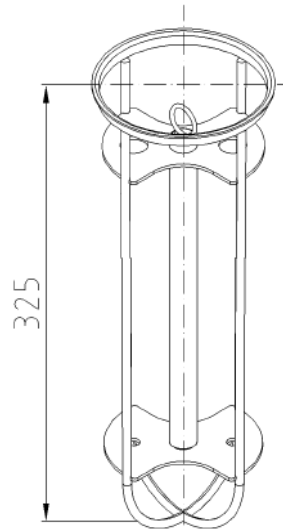
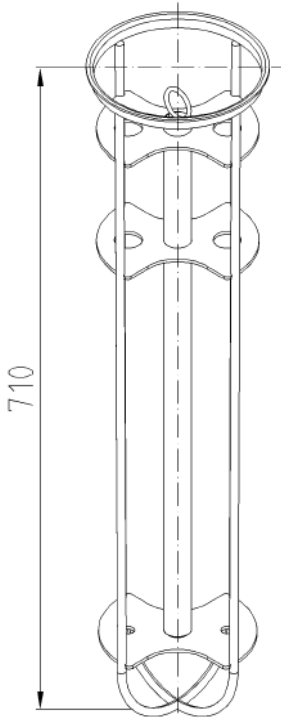


Magnetic Bag Filter Housing



Magnetic Bag Filter Housing is designed for the PP bag filter use. The steel housing was made of SS304/316. It was polished very smooth after the welding process, and it is easy for PP bag covering without prick. The magnetic bar is made of NdFeB magnet, it has strong magnetic force to remove the metallic magnetic particles in stream of liquid substances.

The butterfly shape steel plate was designed for the magnetic bars fixture. With this design one or two magnetic bars could be inserted in one housing according to different magnetic separating demands. The magnetic bar has a dowel on one end and a loop on the other end. It is easy for the magnetic bar to insert into the housing and pull out from the housing.

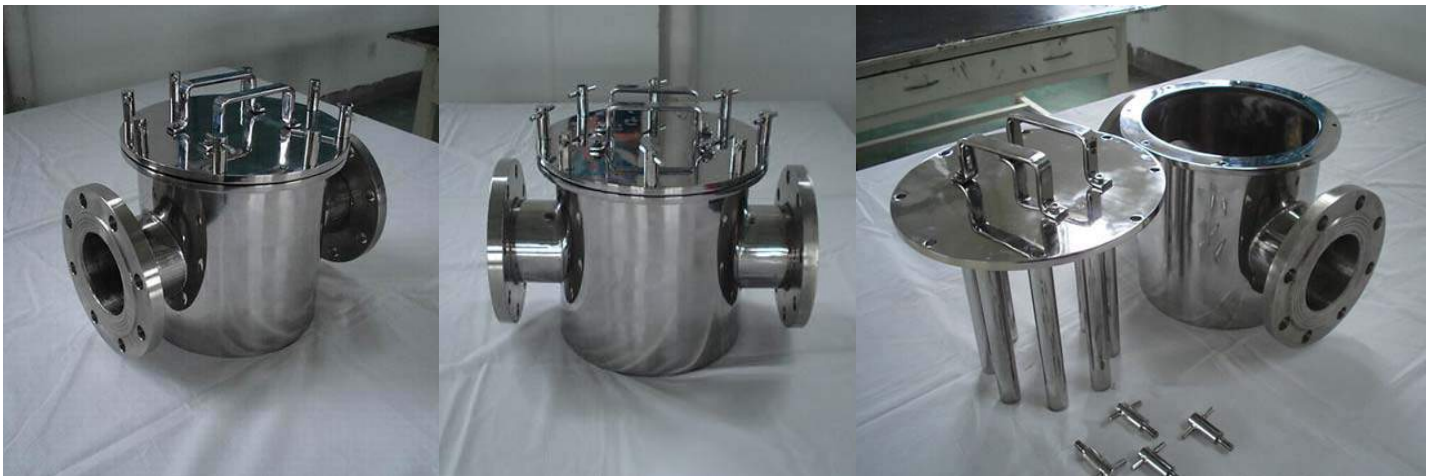


Material: SS316 Ti (1.4571)

Versions: optional with one or two magnetic bars available

Magnetic bar: max. 80°C
9300 Gauß

Magnetic bar technical data	Magnetic force	9300GS
	Magnet material	NdFeb
	Steel tube material	SUS304 or 316
	Size for 710 housing	D25X54mm
	Size for 325 housing	D25X200mm
	Working temp	Under 80°C
Steel housing technical data	Diameter steel girder	D5mm
	Material	SUS304 or 316
	Size 710	D160 X 710mm
	Size 325	D160 X 325mm
	Steel plate shape	Butterfly shape
	Steel plate Size	D160 X 3mm



Magnetic filter were designed for heavy duty, large volume liquid and semi-liquid line flow systems. It provides magnetic protection for liquid lines and processing equipment. It is widely used for filtration of fine ferrous impurities found in lubricants, coolants, hydraulic oils, slurries in engineering, allied pharmaceutical and chemical industries.

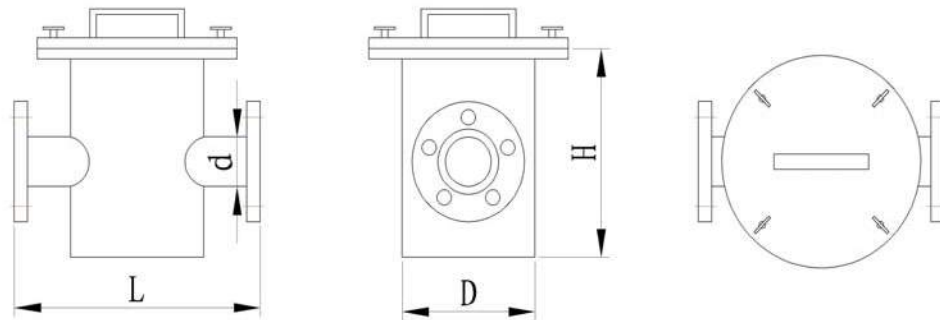
Application area:

These magnetic filter are suitable for the products that is Liquid, Semi-liquid and air-conveying powder.

Features:

1. Finishing: Fine polishing and well welding to meet food grade.
2. Material of shell: SS304, SS316 and SS316L seamless steel tube
3. Working Temperature: Standard working temperature is under 80 °C, but if high temperature is required, we can offer up to 350 °C to meet your special applications
4. Compress resistance: 12 kilograms (1.2Mpa) with flange.
5. As rare earth magnets are extremely powerful and tramp metal is very difficult to remove by hand. We are ready to offer you an easy-clean design.
6. To meet the demand of preserving heat, we offer you a special design adding insulation layer.

Specification / Technical Details:



Serial	D	d	H	L	No.of rods
MF150/25	160	32	150	300	5
MF150/32		38			
MF150/40		45			
MF150/50		57			
MF150/65		76			
MF200/50	220	57	200	350	7
MF200/65		76			
MF200/80		89			
MF200/100		108			
MF250/80	250	98	250	400	9
MF250/100		108			
MF250/125		133			
MF250/150		159			
MF300/125	300	133	300	450	11
MF300/150		159			
MF300/200		219			

Easy clean design as following steps:

Step 1 : Unscrew the screws and take out the cap

Step 2 : Draw out the magnetic bars from cap (tubes).



The ferrous impurities will dropping automaticly from tubes.

We also customize (OEM) many kinds of huge magnetic filter for your heavy duty application. Also we will make design drawings and check all details before the production.

Details needs;

1	Pipeline pressure
2	Rate of flow
3	Working temperature
4	Kind of liquid
5	Main kind of particles (iron or manganese)
6	Flange Diameter

Photos of our huge magnetic filter.

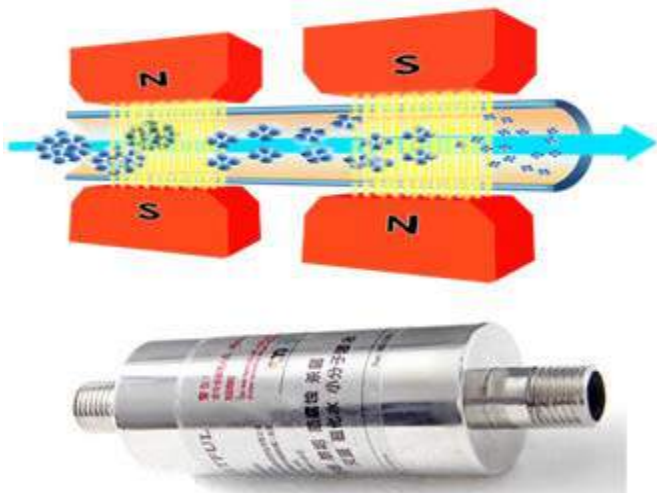




The magnetic water activator to adopt advanced technology of "magnetic agglomeration", the passage of water through the field, the design of more sophisticated, more reasonable, more powerful, to form a steady stream of strong magnetic field, magnetic capacity up to 8000 GS, active energy 50% higher than that of similar products, completely beyond the other similar products. After magnetic energy quantum continuously strong impact, forcing the water molecules of hydrogen bond Angle changes, nano quantization, and reordering, H₂O subtle changes have taken place in microscopic physical and chemical indicators, its marked characteristics is the activity of macromolecules regiment

raw water change into small molecular group water, enhance the polarization effect and hysteresis effect of H₂O, thus effectively prevent scale formation, and the harmful structure such as CaCO₃ and MgCO₃ decomposition, water permeability, solubility and diffusion force is also improved, bring the body's cells more reactive oxygen species, promote metabolism, relieve fatigue.

The principle diagram of the magnetic water activator



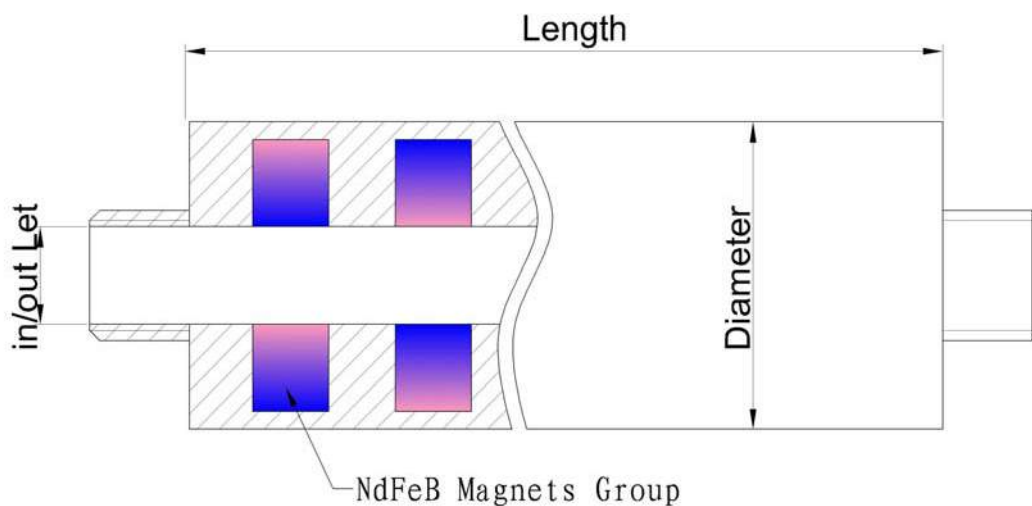
Macromolecular tap water, through the NdFeB magnet groups treatment, into a small molecular group water.

Magnetic water activator technical parameters

The product name	Magnetic Water Activator
Product model	MWA
The intensity of magnetic	6000 ~ 9000 GS
Number of magnet groups	3~6 magnet groups magnetization
The maximum design flow	Max 200 ~ 2000 l/h
Product size	Customized
Appearance of the material	304 stainless steel
Interface	Standard pipe thread 2/1" 3/4" 1"
Internal material	Neodymium magnets

The magnetic water activator main function:

- 1, To prevent and interfere with the formation of scale, is not easy to form scum, boiling water, cooking time saving, energy saving;
- 2, Smoke, therapy effect is obvious, effectively protect the body health.
- 3, Palate has obvious improvement, become more sweet cool delicious;
- 4, Promote the secretion, improve the function of intestines and stomach, drainage unobstructed, treating constipation;
- 5, Improve sleep, improve sleep quality.
- 6, Reduce and remove chlorine taste, protect the oral cavity and the trachea from stimulus;
- 7, Good for the body to absorb, drink a cup of magnetized water, the equivalent of seven cups of water;
- 8, With the ecological activity, can easily penetrate into skin, make skin keep enough moisture, protect skin to raise colour prevent acne acne removing, clearing mite;
- 9, Let dry hair hair absorb more moisture, effectively improves the dry hair bifurcate, easy to break, the phenomenon;
- 10, Ease to improve skin diseases (psoriasis, psoriasis, luck, athlete's foot), inhibits fungal propagation and regeneration;
- 11, Improve lithiasis, symptoms such as hypertension, hyperlipidemia, atherosclerosis, and diabetes;
- 12, Watering flowers and plants can promote growth and prolong flowering; Irrigate crops can improve the germination percentage, improve crop production.



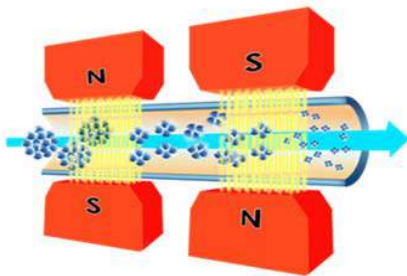
Magnetic water activator technical parameters

Magnetic Water Activator technical parameters						
Using range	Magentic Strength	Magnets Groups	Specification			Connect method
			In/out let	Diameter	Length	
1) Central air conditioning 2) The cb household gas 3)Household sauna 4)Solar water heaters	6000GS	3 Groups	1/2" inch	51mm	320mm	304 stainless steel Standard pipe thread
	9000GS	4 Groups	1/2" inch	63mm	400mm	
	9000GS	5 Groups	1/2" inch	89mm	400mm	
	9000GS	4 Groups	3/4" inch	63mm	400mm	
	9000GS	5 Groups	3/4" inch	89mm	400mm	
	9000GS	5 Groups	1" inch	89mm	400mm	



Strong magnetic water magnetizer treats water with the strong magnetic strength field generated from strong magnets. It is widely used for scale prevention, scale removal, bacteria killing and algae removal, corrosion prevention and rust prevention by means of changing the physical water structure while not changing its chemical structure. With stronger central magnetic field and smaller magnetic interference to the outside, strong magnetic water descaler is high efficient but low cost for water treatment, which is the best water purifier with such an unique and novel structure.

Working principle



Making use of great energy that generates from neodymium, iron, boron, rare earth and permanent magnetic material, with optimal design, and form a vertical center field. When water or fluid flow through the vertical magnetic field, it will produce an electromotive force, the lattice refinement, the original water fouling crystal particle size from about 3.39 microns to about 0.22 microns, flow rate will be faster, the electromotive force generated is greater, the effect is more ideal, to achieve the purpose of anti-scaling and scale removal.

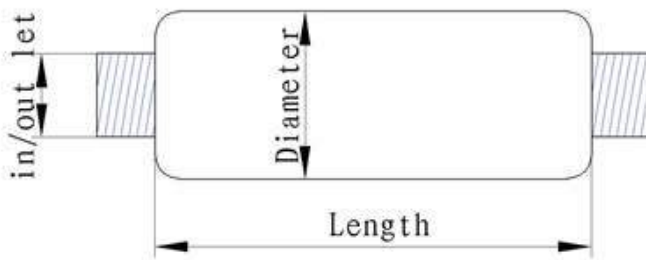
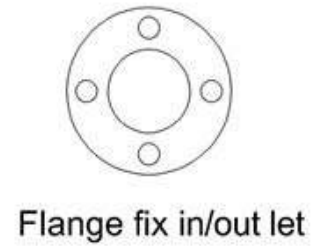
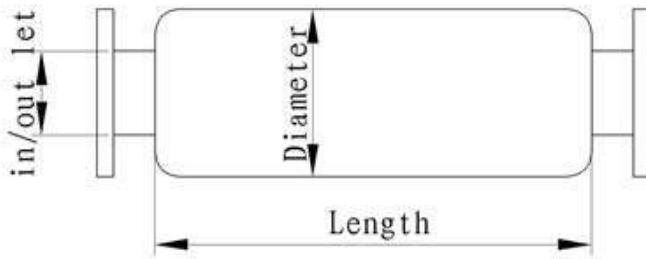
Meanwhile, water flow is treated by magnetic field, lead to the electrical conductivity and osmotic pressure changed and microbial cell ruptured, and cells stop breeding, which achieves effect of sterilization and algae removal.

Since the water treated by magnetic field, it will produce tiny electron flow, which change $\text{Fe}_2\text{O}_3 \cdot \text{NH}_2\text{O}$ into stable Fe_3O_4 and generates black magnetic iron oxide which deposited onto the tube wall surface to form a film barrier layer, the oxygen in the water separated from the pipe wall, in this case, it will realize the purpose of rust removal and prevention.

Product features

1. High efficiency to prevent pipe from scale and rust.
2. Environmental protection: No secondary pollution from dosing chemicals.
3. No energy cost, long lifespan.
4. No need for specialized management with low maintenance cost.
5. Small, simple and quick installation.
6. Low investment and fast cost-recovery, the central air-conditioner could recover the whole cost within 2 years.
7. Improve heating transfer efficiency, energy saving ratio could be (15% -30%).

Strong Water Magnetizer



Model	Inlet and outlet		Dia X length	m3/h	Magnetism (mt)	Temperature (°C)	Kg
	mm	Inch					
YLC-1	25	1	108×330	4.9	160	0-90	10
YLC-1.5	40	1.5	108×330	12	160	0-90	20
YLC-2	50	2	159×450	19	160	0-90	30
YLC-2.5	65	2.5	159×450	28	160	0-90	40
YLC-3	80	3	159×450	50	160	0-90	45
YLC-4	100	4	219×560	80	160	0-90	50
YLC-5	125	5	219×600	125	160	0-90	60
YLC-6	150	6	273×740	180	160	0-90	70
YLC-8	200	8	325×790	320	160	0-90	90
YLC-10	250	10	377×850	480	160	0-90	110
YLC-12	300	12	426×800	600	160	0-90	130
YLC-14	350	14	478×950	750	160	0-90	160
YLC-16	400	16	530×1000	850	160	0-90	210
YLC-18	450	18	630×1050	950	160	0-90	260
YLC-20	500	20	720×1100	1100	160	0-90	330