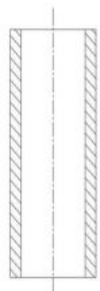
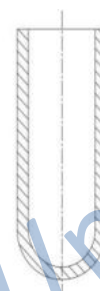
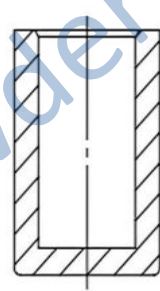
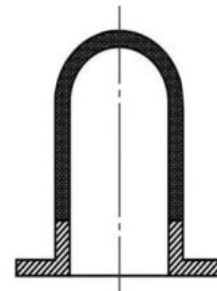
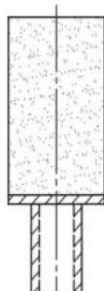


Sintered Filter Cartridge Product List

OD (mm)	Φ6	Φ8	Φ10	Φ15	Φ20	Φ30	Φ40	Φ50	Φ60	Φ70	Φ90	Φ110	Φ120
Thickness (mm)	0.2-1.2	0.3-1.5	0.5-2.0	0.5-2.0	0.5-2.5	1.0-2.5	1.0-2.5	1.0-3.0	2-3	2-3	3-5	3-5	3-5
Length (mm)	100	100	200	300	300	300	400	400	400	500	800	1000	1000
	200	200	300	400	400	400	500	500	500	600	1200	1200	1200
	300	300	400	500	500	500	600	600	600	700	*1500	*2000	*2000
	400	400	500	700	700	700	800	800	800	800	*2000		
	500	500	700	800	800	800	1000	1000	1000	1200			
		700	800	1000	1000	1000	1200	1200	1200	*1500			
		800	1000	1200	1200	1200	*2000	*2000	*2000	*2000			
		*1000	1200	*2000	*2000	*2000	*3000	*3000	*3000				
Profile													
Connector	M20 External Thread		M30 External Thread		Internal Thread		Plug-in Fitting		Snap-in Fitting		1/2" External Thread		
													
Remark	* Dimensions require welding process, and all sizes can be customized.												

Material Chemical Composition & Physical Properties

Type	Material	Content (Wt %)						Reducing	Oxidizing
Alloy Elements		Fe	Cr	Ni	C	Mo	Rest	Temperature Max (°C)	
Stainless Steel	SS304L	Rest	18.0-20	8.0-12.0	≤0.03	0.5	N≤0.1	600	500
	SS316L	Rest	19.0-21.0	10.0-14.0	≤0.03	2.0-3.0	N≤0.1	540	400
	310S	Rest	24.0-26.0	19.0-22.0	≤0.08		Mn≤2.0	810	590
Nickel-based Alloy	Hastelloy C22	2.0-6.0	20.0-22.5	Rest	<0.02	12.0-14.5	W: 2.0-3.5	650	550
	Hastelloy C276	4.0-7.0	14.0-16.0	Rest	<0.02	15.0-17.0	W: 2.0-3.5	650	550
	Hastelloy X	17.0-20.0	20.5-23.0	Rest	<0.15	8.0-10.0	Co: 0.5-2.5	930	800
	Inconel 600	6.0-10.0	14.0-17.0	≥72.0	<0.15			700	500
	Inconel 625	≤5.0	20.0-23.0	≥58.0	<0.10	8.0-10.0	Nb: 3.15-4.15	650	650
	Monel 400	<2.0		≥63.0	<0.30		28.0-34.0	500	500
Titanium Alloy	Ti						Ti>99%	500	500
Other	Customized other materials are available.								

Sintered Filter Cartridge Performance Parameters

Filtration Rating (um)	Particle size blocked in liquid (um)		Permeability ($\geq$)		Compressive Burst Strength ($\geq$) Mpa
	Filtration Efficiency (98%)	Filtration Efficiency (99.9%)	Permeability Coefficient (10^{-12} m^2)	Relative Air Permeability Coefficient ($\text{m}^3/\text{h} \cdot \text{kPa} \cdot \text{m}^2$)	
0.2 (Lamination)	0.2	0.5	0.06	8	4
0.5 (Lamination)	0.5	1	0.11	10	4
1	1	3	0.05	5	3
3	3	5	0.09	18	3
5	5	10	0.23	45	3
10	10	14	0.91	90	3
15	15	24	1.81	180	3
25	25	35	3.82	380	3
35	35	55	7.29	580	2.5
50	50	80	9.43	750	2.5
Other	1. The compressive strength of tubular components is the internal pressure test value. 2. The "permeability coefficient" value in the table corresponds to a component wall thickness of 2mm. 3. The performance parameters of filter elements made of other materials are provided according to customer needs.				

Sintered Filter Cartridge Gallery

