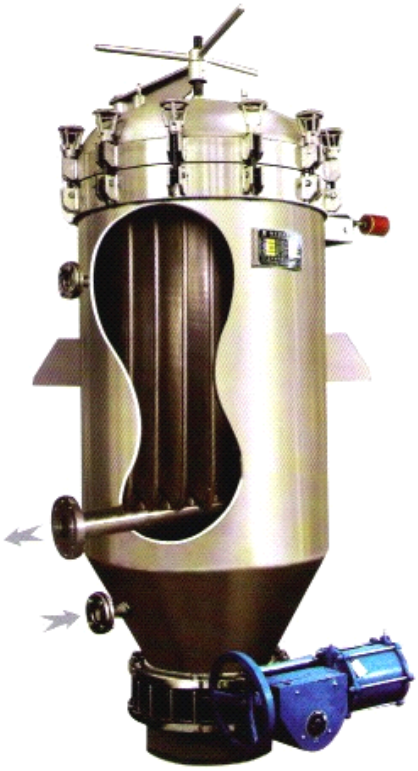
PEONY

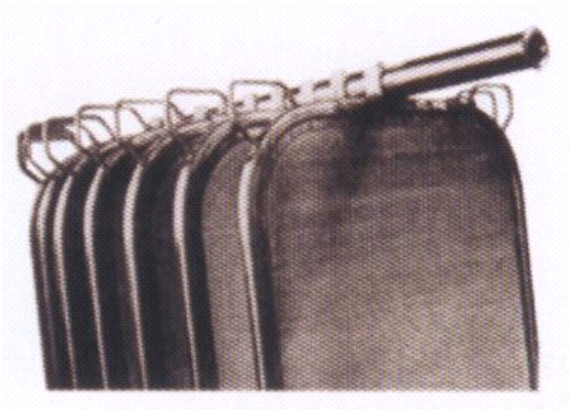
NYB High Efficiency Plate Type Hermetic Filter



Description:

NYB High Efficiency Plate Type Hermetic Filter is a high-efficient, energy-saving and hermetically operated fine filter equipment. It is widely used in chemical, petroleum, painting, foodstuff, pharmaceutical and many other industries.

Since this equipment has many advantages such unique structure, compact volume, high filter efficiency, fineness of filtered liquor, no material wastage, quantity of filter aid. It can be conveniently maintained, cleaned and operated at very low cost.



Filter screen plate

Application:

Oil industry: crude oil, bleached soil, hydrided oil, radonized oil, stearin, fatty acid, etc.

Petroleum chemical products: diesel oil,lubricating oil, paraffin wax, mineral oil, etc.

Beverage: beer, juice, wine, milk, etc.

Organic chemical products: various organic aid,alcohol, benzene, aldehyde, etc.

Paint: resin, vanish, dye, lacquer, etc.

Inorganic chemical products: bromine water, potassium cyanide, fluorite, etc.

Foodstuff: gelatin, vinegar, starch, syrup, sugar water, etc.

Pharmaceutical products: hydrogen peroxide solution, vitamin, etc.

Mineral products: fine coal, cinder, etc.

Others: air, depuration of water, etc.

Main structure and working principle

The main body of the filter is made up of vessel, filter gauzes lifting structure and automatic discharging device. Filter gauzes are made by material of multilayer stainless steel which installed at center liquid pipe and cleaned up conveniently.

In the process of filtration ,the unfiltered liquid with filter aid come into the body through transmission system(pump or other tools.)After a stable filter cake formed on the filter gauze flakes, the filtrate are filtered through the micropores of filter cake.

Technical parameters:

Model	Flilter area (m^2)	Filter cake volume (L)	Capacity (T/h)			Working pressure (Mpa)		Working tempearture (°C)	Filter jar volume (L)	Weight (kg)
			Oil	Resin	Beverage	Rated	Max			
NYB-2	2	30	0.4-0.6	1-1.5	1-3				120	300
NYB-4	4	60	0.5-1.2	2-3	2-5				250	400
NYB-7	7	105	1-1.8	3-6	4-7				420	600
NYB-10	10	150	1.6-3	5-8	6-9				800	900
NYB-12	12	240	2-4	6-9	8-11				1000	1100
NYB-15	15	300	3-5	7-12	10-13				1300	1300
NYB-20	20	400	4-6	9-15	12-17				1680	1700
NYB-25	25	500	5-7	12-19	16-21				1900	2000
NYB-30	30	600	6-8	14-23	19-25	0.1-0.4	0.5	⩽150	2300	2500
NYB-36	36	720	7-9	16-27	23-31				2650	3000
NYB-40	40	800	8-11	21-34	30-38				2900	3200
NYB-45	45	900	9-13	24-39	36-44				3200	3500
NYB-52	52	1040	10-15	27-45	42-51				3800	4000
NYB-60	60	1200	11-17	30-52	48-60				4500	4500
NYB-70	70	1400	12-19	36-60	56-68				5800	5500
NYB-80	80	1600	13-21	40-68	64-78				7200	6000
NYB-90	90	1800	14-23	43-72	68-82				7700	6500

Installation size:

Model	Shell dia	Filter piece spacing	Inlet and outlet	Liquid discharge	Solid discharge	Height	Area
NYB-2	Ø400	50	DN25	DN25	DN150	1550	620 × 600
NYB-4	Ø500	50	DN40	DN25	DN200	1800	770 × 740
NYB-7	Ø600	50	DN40	DN25	DN250	2200	1310 × 1000
NYB-10	Ø800	70	DN50	DN25	DN300	2400	1510 × 1060
NYB-12	Ø900	70	DN50	DN40	DN400	2500	1610 × 1250
NYB-15	Ø1000	70	DN50	DN40	DN400	2650	1710 × 1350
NYB-20	Ø1000	70	DN50	DN40	DN500	2950	1710 × 1350
NYB-25	Ø1100	70	DN50	DN40	DN500	3020	1810 × 1430
NYB-30	Ø1200	70	DN50	DN40	DN500	3150	2030 × 1550
NYB-36	Ø1200	70	DN65	DN50	DN500	3250	2030 × 1550
NYB-40	Ø1300	70	DN65	DN50	DN600	3350	2130 × 1560
NYB-45	Ø1300	70	DN65	DN50	DN600	3550	2130 × 1560
NYB-52	Ø1400	75	DN80	DN50	DN600	3670	2230 × 1650
NYB-60	Ø1500	75	DN80	DN50	DN600	3810	2310 × 1750
NYB-70	Ø1600	80	DN80	DN50	DN600	4500	3050 × 1950
NYB-80	Ø1750	80	DN80	DN50	DN600	4500	3210 × 2100
NYB-90	Ø1850	80	DN80	DN50	DN600	4650	3300 × 2200

Note: filtering capacity: when oil is treated, it means the filtered volume of oil containing 2-5% of whitish oil. When resin is treated, it means the average filtered volume of alkyd resin fineness of 5-15um. Filtering capacity is in relation to the impurity content of the medium to be filtered.