

NewTech Industrial Corporation



NEUTEK®

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8400 Normandale Lake Boulevard Suite 920 Bloomington,
MN 55437

Tel: 1-952-837-2688

Fax: 1-952-400-8947

<http://www.neutek.com.cn>

E-mail: info@neutek.com.cn

Brief Introduction

Compressed air is the most important energy resource for present industrial production and automated control equipment, because of its economy, feasibility and reliability. However, the oil, moisture, dust and other impurities in compressed air would damage air equipment operation, resulting in high maintenance costs, or even directly influence on the quality of products.

With continuous improvement of industrial automation, manufacturing enterprises have more and more highly requirements of air quality.



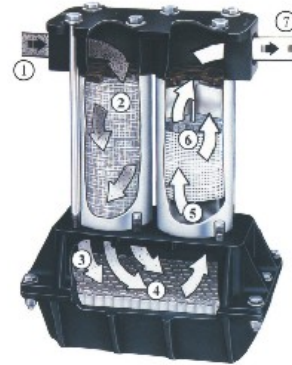
NewTech, headquartered in Minnesota, is a multinational enterprise with a global brand and a number of patents. It has more than 20 years of compressed air filters R&D, production and marketing experience. Our products are popular around the world. The NEUTEK® Series Filters was registered in the United States, designed specifically for air-compressor's problems caused by the oil, moisture, dust. This series are all developed and produced in the United States.

Compressed air dry filter is widely used in manufacturing enterprises, such as automobile, electric power, chemical, pharmaceutical, food, plastics and so on. In particular, it is absolutely necessary air filtration equipment for factory automation equipment and laboratory instruments which have high quality requirements of air.

NEUTEK® filter is the new model equipment with 12 patents. It is made of its top-shell, middle-shell and bottom base. There are two holes in top-shell and middle-shell, and these two circle holes link between two aluminum barrels, so the first and second filtration room are formed. There is a connecting part between the bottom base and drainage device, which has floating ball. The filter element in the first filter room is made of special materials; the filter element in the second filtration room is made of stainless steel wire and special cotton. Due to adopting two-class, three-stage filtration structure, which is made up of the first filtration room, the second filtration room and bottom base, it can filtrate the water, oil, rust and other miscellaneous impurities out of air by two classes filter ways through the whole compressed process . And its filtration efficiency can be up to 99.9%.

Features of our compressed air filter

- Standard 5-micron rating
- Lower micron ratings available
- SCFM range 15 thru 2000
- Dewpoints 10 to 35 F at atmosphere
- Easy to install and maintain
- Modular design can expand to 4 stages if needed
- Standard Differential Pressure Gauge
- Standard Weep Drain



How our compressed air filter Works:

- 1、 Compressed air containing tiny particles of dirt, dust, oil and moisture enters the first stage of the Extractor/Dryer.
- 2、 A coalescing effect occurs as air passes through a cartridge mesh filter that captures particles and causes moisture to form larger droplets.
- 3、 Air velocity lessens as it enters the extraction chamber allowing particles to collect and moisture to condense on the honeycomb.
- 4、 Particle laden water flows along the bottom and out the drain.
- 5、 Air passes through the second stage wire supported fiber filter cartridge that captures remaining particles down to 5 micron.
- 6、 Remaining moisture and contaminates are dried and filtered in the second stage filter.
- 7、 Exhaust air is clean and dry - no dirt, rust, oil or water droplets to disrupt air equipment operation

NEUTEK® Specifications of our compressed air filter::

MODELS	NPT	m ³ /min(SCFM)	MAX PSI	SIZE (INCHES)	kg	Drain Type		
						F	E	C
NT-520A	1/4"	0.4(15)	17.5(250)	181x77x32	0.9	✓	✓	
NT-520B	1/4"	0.4(15)	17.5(250)	210x77x45	0.9	✓	✓	✓
NT-105	1/4"	1.4(50)	17.5(250)	210x102x64	1.4	✓	✓	✓
NT-106	3/8"	1.4(50)	17.5(250)	210x102x64	1.4	✓	✓	
NT-107	1/2"	1.4(50)	17.5(250)	210x102x64	1.4	✓	✓	
NT-110	1/2"	2.2(80)	17.5(250)	300x153x83	2.7	✓	✓	
NT-111	3/4"	2.2(80)	17.5(250)	300x153x83	2.7	✓	✓	
NT-120	1"	4.2(150)	17.5(250)	381x242x140	6.8	✓	✓	
NT-140	1-1/2"	7.0(250)	17.5(250)	508x318x185	16.2	✓	✓	
NT-180	2"	14.0(500)	10.5(150)	686x458x248	31.5	✓	✓	
NT-195	4 法兰	56.0(2000)	10.5(150)	1080x813x432	168.8		✓	

F: Float Drain E: Electronic Drain C: Cycle Drain

For example: NT-107F is 1/2"NPT Dryer Filter of Model NT-107 with Float Drain

Filter accessories Model



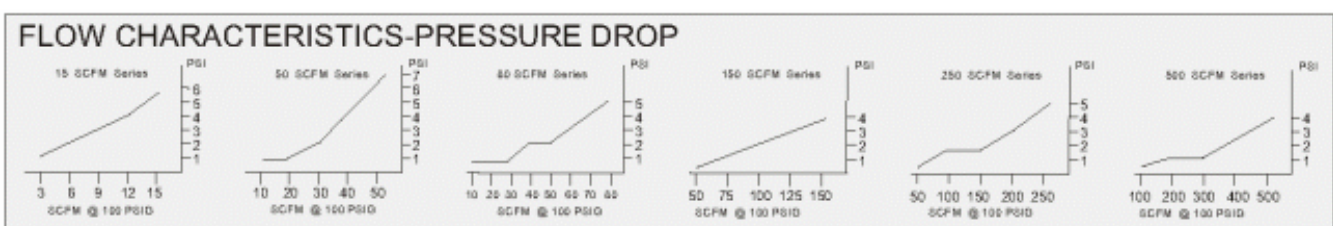
Without shell



With shell

MODEL	Gasket	Without shell		With shell	
		First Stage	Second Stage	First Stage	Second Stage
NT-105	10510	401F	402F	401	402
NT-106	10510	401F	402F	401	402
NT-107	10510	401F	402F	401	402
NT-110	11010	411F	412F	411	412
NT-111	11010	411F	412F	411	412
NT-120	12010	421F	422F	421	422
NT-140	14010	441F	442F	441	442
NT-180	18010	481F	482F	481	482
NT-195	19010	493	494	495	496

Drying Filters Air Flow Volume and Pressure Drop



Installation Size (mm)

MODEL	NPT	A	B	C	D	E	F	G	H	I	J	K
NT-105F	1/4"	270	100	65	160	110	45	25	179	19	25.6	100
NT-106F	3/8"	270	100	65	160	110	45	25	179	19	25.6	100
NT-107F	1/2"	270	100	65	160	110	45	25	179	19	25.6	100
NT-110F	1/2"	340	155	82	230	110	45	25	361	23	25.6	120
NT-111F	3/4"	340	155	82	230	110	45	25	361	23	25.6	120
NT-120F	1"	410	234	220	125	71	12	430	20	80	110	150
NT-140F	1-1/2"	480	312	284	140	73	23.6	728	23	119	200	180
NT-180F	2"	575	450	390	210	120	30	825	35	170	200	200

