P-2000 Series (35-1200 scfm) High Performance Filters For Compressed Air & Gas

Enhanced Dryer Performance and Protection for your Compressed Air and Gas System

PNEUMATIC PRODUCTS

P-2000 Series Filters

Description

State of the art technologies in filtration media, engineering design and manufacturing practices are incorporated in Pneumatic Products P-2000 Compressed Air Filter Products.

Applications

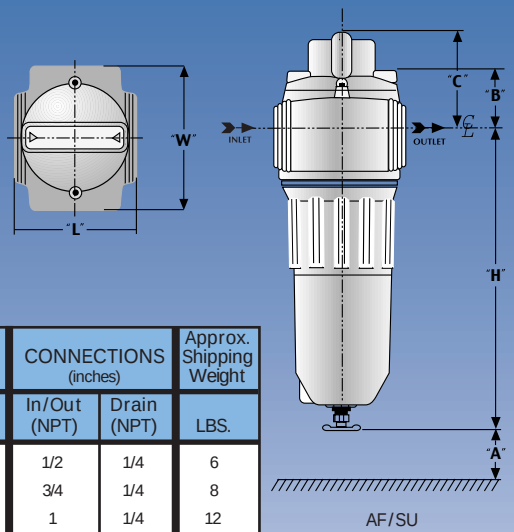
Coalescing Prefilters are used upstream of desiccant and refrigerant dryers or downstream of aftercoolers, mechanical separators and refrigerant dryers, or at point of use for critical applications.

Particulate Afterfilters are used downstream of desiccant dryers and adsorbers, at a pilot air source, or at point of use applications. They can also be used as a general purpose coalescer.

Features and Benefits

Pneumatic Products filter housings are designed for ease of installation, long life and easy filter element replacement, along with these additional benefits:

- Built-in differential pressure gauge - provides visual indication of need to replace elements
- Straight in-to-out flow design - reduces pressure drop
- Bowl-to-head is hand-threaded - ease of element change-out
- Baked powder coat inside and out - corrosion resistant
- Liquid presence indicator - indicator of proper drain valve operation
- Pressure indicator in bowl - safety when changing element
- Posi-Lock snap-on connection - simple element replacement
- Pleated media - surface area increased 6 to 9 times for longer life
- Inside and outside element support cores - added strength



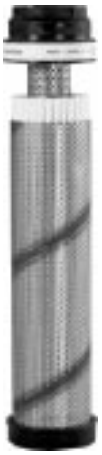
AF/SU

DIMENSIONS

	MODEL		DIMENSIONS (inches)							CONNECTIONS (inches)		Approx. Shipping Weight
Flow Rate* (scfm)	Coalescer (SU)	Particulate Filter (AF)	H (SU)	H (AF)	L	W	A	B	C	In/Out (NPT)	Drain (NPT)	LBS.
35	P2001-35SU1-G8	P2001-35AF1-G8	9.5	10.1	4.4	5.2	6.5	2.0	3.3	1/2	1/4	6
60	P2001-60SU1-G12	P2001-60AF1-G12	14.0	14.6	4.4	5.2	11.0	2.0	3.3	3/4	1/4	8
100	P2001-100SU1-G16	P2001-100AF1-G16	12.5	13.2	5.8	6.6	9.0	2.3	3.6	1	1/4	12
150	P2001-150SU1-G16	P2001-150AF1-G16	17.3	17.9	5.8	6.6	13.8	2.3	3.6	1	1/4	14
275	P2001-275SU1-G24	P2001-275AF1-G24	17.7	17.7	7.0	7.8	12.0	2.8	4.1	1-1/2	1/2	18
400	P2001-400SU1-G32	P2001-400AF1-G32	25.3	25.3	7.0	7.8	19.8	2.8	4.1	2	1/2	24
600	P2001-600SU1-G40	P2001-600AF1-G40	29.6	29.6	8.1	7.1	22.5	3.8	5.0	2-1/2	1/2	28
800	P2001-800SU1-G40	P2001-800AF1-G40	34.6	34.6	8.1	7.1	37.5	3.8	5.0	2-1/2	1/2	32
1,000	P2001-1000SU1-G48	P2001-1000AF1-G48	39.6	39.6	8.1	7.1	32.5	3.8	5.0	3	1/2	36
1,200	P2001-1200SU1-G48	P2001-1200AF1-G48	44.6	44.6	8.1	7.1	37.5	3.8	5.0	3	1/2	39

* Based on 100 PSIG & 100°F

P-2000 Performance and Evaluation



Particulate Afterfilter

- Pleated element design, 6 times more surface area
- Maximum particle passed 0.9 micron absolute (removal rating)
- 1 psid initial pressure drop
- Bonded fiber construction eliminates media migration, channeling and particulate unloading
- As a coarse coalescer < .5 ppmw on 20 ppm oil challenge
- As a particulate filter - Less than 1.5 psid pressure drop dry and 3.0 psid saturated when used as a coalescer

Coalescing Prefilter

- Liquid removal efficiency 0.0001 ppmw based on 20 ppmw challenge
- Less than 1.5 psid pressure drop, clean and dry
- Exceeds ISO8573 Class I standards for oil content
- Less than 3 psid pressure drop, clean and saturated
- Removes liquid aerosols down to 0.01 microns

Filter Housing Performance

Maximum operating temperature: 150˚F (65˚C)
Maximum recommended filtration temperature: 120˚F (49˚C)
Minimum inlet filtration temperature: 34˚F (1˚C)
Maximum pressure: 300 psig

Filter Element Evaluation

All P-2000 Filters utilize the same performance characteristics that make Pneumatic Products Filters a leader in the industry

POSI-Lock Snap-On Connection
- Simple element replacement
- No tie rods - quick and easy installation
- Non-metallic construction - no corrosion, easy to remove
- Positive o-ring seal - no contamination bypass

Pleated Media
- 6 to 9 times the surface area of wrapped media
- Non-pinched full-flow media design for increased surface area and lower pressure drop

Inside and Outside Support cores for long life
- Provides high structural strength to filtration media
- Prevents media degradation
- Element can withstand 100 psi pressure differential

Bonded Fiber Media Construction
- Prevents channeling by minimizing pore size enlargement
- Provides consistent performance
- Prevents downstream contamination caused by media breakdown

Drain Valves for use with use P-2000 Filters

ADV Series Automatic Drain Valves

Timer operated drain valves provide dependable operation at an affordable cost.

- Dual timing adjustments allow the user to accurately set the drain cycle
- Manual test button provides confirmation of valve operation
- Compact size and light weight design allows installation directly on drain port

Model	Connections	Orifice
ADV-1611	1/4"	1/8"
ADV-1711	1/4"	7/16"
ADV-1811	1/2"	7/16"

NLD Series No Loss Drain Valves

Fully automatic drain valve that requires no electricity and allows installation within inches of the ground

- Long lever ensures that float will open drain when required and provide high closing pressure to prevent valve seat from leaking
- Valve seat located to keep solid particulate from interfering with operation of drain
- Manual valve allows drain to be cleaned without removing the valve from service

Model	Discharge	Inlets
NLD1	3 oz	1/2"
NLD24	24 oz	3/4"

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