

MP-FILENCO Dryer/Filters

Series 418

Port Size: 1



Model Shown: CD418-8D1M

SPECIFICATIONS

Ambient/Media Temperature:

40° to 125°F (4° to 52°C).

Drain: Automatic drain; optional manual or electronic drains.

Desiccant: Choice of three.

Flow Rate: 70 scfm.

Fluid Media: Compressed air.

Inlet Pressure: 150 psig (10 bar) maximum. Consult Master Pneumatic for higher pressure ratings.

Mounting: Flanges and front ports for flush mounting.

Many compressed air systems require point-of-use cleaning and drying of the air to supplement a central system. MP-Fileenco dryer/filter units perform superbly because of their triple-action cleaning process and their ability to reduce the pressure dew point. See the sketch on page 95 for a cross-section view of a typical dryer/filter.

The filtering and drying functions result in super clean, super dry air. Several drain options and choices of desiccants are available to suit various operating needs. Units have flanges and front ports for flush mounting.

DESICCANTS

The desiccants in **MP-Fileenco** dryer/filters have the ability to drop the pressure dew point thereby preventing the recurrence of water in the air system. They also adsorb sulfur compounds that form abrasive, gummy varnish or shellac. Three different desiccants are available.

CLAY DESICCANT (CD) — This is a general purpose desiccant which produces initial dew point depressions of 20 to 25 degrees Fahrenheit. It is effective for removing both water and oil, and requires no air preparation. Life expectancy is up to three months, depending on humidity, flow rate, and frequency of use.

CLAY DESICCANT WITH ACTIVATED CARBON (CDC) — This desiccant provides a higher degree of air purification than the plain clay desiccant. A layer of activated carbon produces slightly lower initial dew points, and also provides better removal of noxious gases and oil aerosols.

MOLECULAR SIEVE DESICCANT (MS) — Highly porous alumina-silicate complexes in this desiccant produce exceptionally low pressure dew points, as much as 80 Fahrenheit degrees initially. A dryer/filter with this desiccant must be preceded by a coalescing filter. The presence of oil in the air will contaminate the molecular sieve material and greatly reduce its efficiency. The coalescing pre-filter, of course, should be preceded by a general purpose filter.

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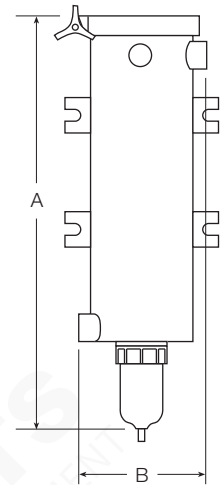
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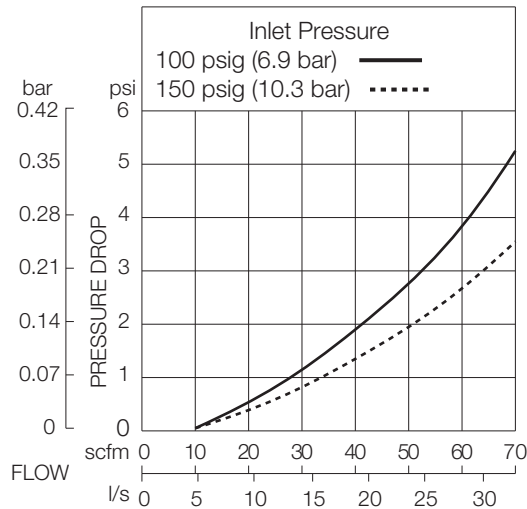
DIMENSIONS inches (mm)

Series	A with Drain						
	A	D1, D2	D3, D4	D6	D7	D8	B
418	No Drain	24	22.8	23.9	22.9	6.0	6.5
	20	(610)	(578)	(606)	(581)	(152)	(165)

Lbs (Kg)	CD418	MS418	CDC418
Approx. Weight	15.4 (7)	15.4 (7)	15.4 (7)



FLOW CHARTS



REPLACEMENT DESICCANT ELEMENT KITS

Description	Quantity (per case)	Kit Number
Clay Desiccant Elements		
Series 418.....	4	CD-418NRE
Clay with Activated Carbon		
Series 418.....	4	CDC-418NRE
Molecular Sieve Elements		
Series 418.....	4	MS-418NRE

Note: Replacement kits include parts for both the older and current designs of filter discs.

ORDERING INFORMATION

Change the letters in the sample model number below to specify the dryer/filter you want.

CD 418-8 D1 M W

DESICCANT

- Clay CD
- Clay with carbon..... CDC
- Molecular sieve..... MS

DRAIN

- NoneRemove D1
- Polycarbonate bowl; plastic bowl guard:
 - Manual drain PGM D1
 - Automatic float drain D2
 - PGA
- Metal bowl with sight glass:
 - Manual drain MSM..... D3
 - Automatic float drain MBA..... D4
- Air poppet (actuator required); D6
 - 24v heated drain; temperature controlled
- Air poppet with 24v adjustable D7
 - cycle heated electronic timer
- Warrior electronic 115vac drain D8

PORT TYPE

- NPTF threads Leave Blank
- BSPF threads W

MOISTURE INDICATOR

- None..... Leave Blank
- With moisture indicator..... M
- MI750