

MP-FILENCO Dryer/Filters



Series 36 and 38 Port Sizes: 3/8 and 1/2

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.



SPECIFICATIONS

Ambient/Media Temperature:

40° to 125°F (4° to 52°C).

Drain: Automatic drain; optional manual or electronic drains.

Desiccant: Choice of three.

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.

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.

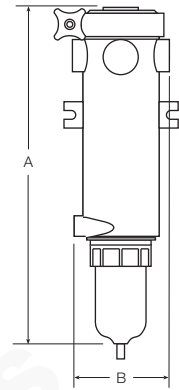
CLAY DESICCANT WITH ACTIVATED CARBON (CDC) — This desiccant provides a higher degree of air purification than the plain clay desiccant. A layer of activated carbon produces slightly lower initial dew points, and also provides better removal of noxious gases and oil aerosols.

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.

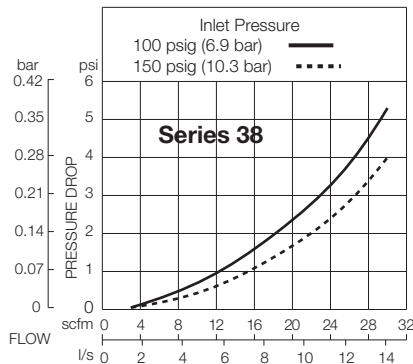
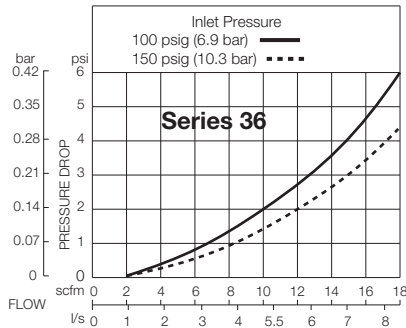


DIMENSIONS inches (mm)

Series	A with Drain						
	A No Drain	D1, D2 D3, D4	D6	D7	D8	B	Depth
36	9.5 (241)	13.5 (343)	12.3 (311)	13.4 (295)	12.4 (314)	4.0 (102)	5.0 (127)
38	11.5 (178)	15.5 (311)	14.3 (362)	15.4 (391)	14.4 (314)	4.5 (114)	5.0 (127)



FLOW CHARTS



Lbs (Kg)	CD36	MS36	CDC36
Approx. Weight	5 (2.27)	5 (2.27)	5 (2.27)
Lbs (Kg)	CD38	MS38	CDC38
Approx. Weight	6 (2.7)	6 (2.7)	6 (2.7)

REPLACEMENT DESICCANT ELEMENT KITS

Description	Quantity (per case)	Kit Number
Clay Desiccant Elements		
Series 36	4	CD-36NRE
Series 38	4	CD-38NRE
Clay with Activated Carbon		
Series 36	4	CDC-36NRE
Series 38	4	CDC-38NRE
Molecular Sieve Elements		
Series 36	4	MS-36NRE
Series 38	4	MS-38NRE

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 36-3 D1 M W

DESICCANT

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

SIZE

3/8 NPTF — 18 scfm 36-3
 1/2 NPTF — 30 scfm 38-4

PORT TYPE

NPTF threads Leave Blank
 BSPP threads W

MOISTURE INDICATOR

None Leave Blank
 With moisture indicator M
 (MI375)

DRAIN

None Leave Blank
 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 D4
 MBA
 Air poppet (actuator required);
 24v heated drain; temperature
 controlled D6
 Air poppet with 24v adjustable D7
 cycle heated electronic timer
 Warrior electronic 115vac drain D8