



FOCUSED ON OEM COMPRESSED AIR
HOLLOW FIBER MEMBRANE DRYERS



ENGINEERING **YOUR** SUCCESS.

OEM Compressed Air Hollow Fiber Membrane Dryers

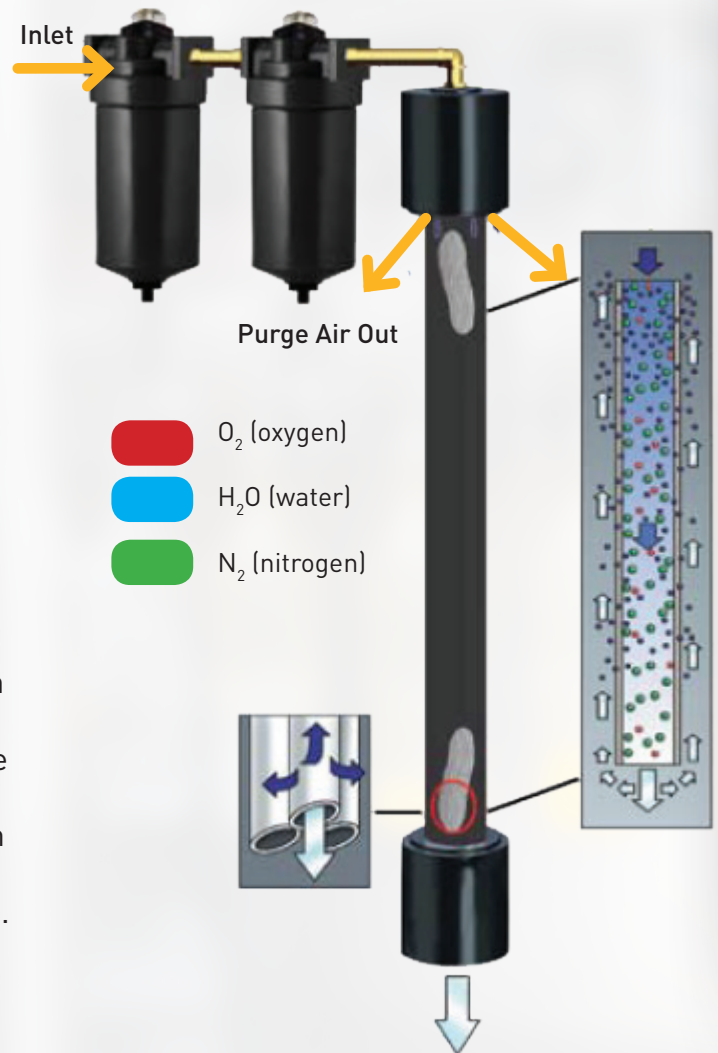
Finite, the world leader in coalescing media development, has combined its proven coalescing filtration with a modern alternative to pressure swing and refrigerant dryer technologies.

Finite's membrane dryers are available in 10 models which can supply clean, dry compressed air with dewpoints as low as -40°F (@10 SCFM) and $+35^{\circ}\text{F}$ (@40 SCFM). These membrane dryers are engineered for easy installation, minimal maintenance, and long term reliability.

How It Works

The water vapor in the compressed air is removed by the principle of selective permeation through a membrane. The membrane module consists of bundles of hollow membrane fibers, each permeable to water vapor. As the compressed air passes through the center of these fibers, water vapor permeates through the walls of the fiber. A small portion of the dry air (purge flow) is redirected along the outside of each hollow fiber, carrying away the moisture-laden air which is then exhausted to room atmosphere. The remainder of the dry air is piped to the application.

NOTE: In all cases a Grade 10 prefilter and a Grade 6 coalescer are installed upstream of the dryer module for 99.9985% removal of oil aerosols and mists.



Applications

- Air bearings
- Analytical instrumentation
- Coordinate measurement machines (CMM)
- Dental air
- Dry air for hazardous areas
- Electrostatic painting
- Prevention of air line freeze ups
- Purge air for electronic cabinets
- Purge moisture sensitive coatings and adhesives
- General laboratory air supply
- Laboratory grade air
- Laser and optical purge
- Low dewpoint instrument air
- OEM machine builders
- Pneumatic equipment



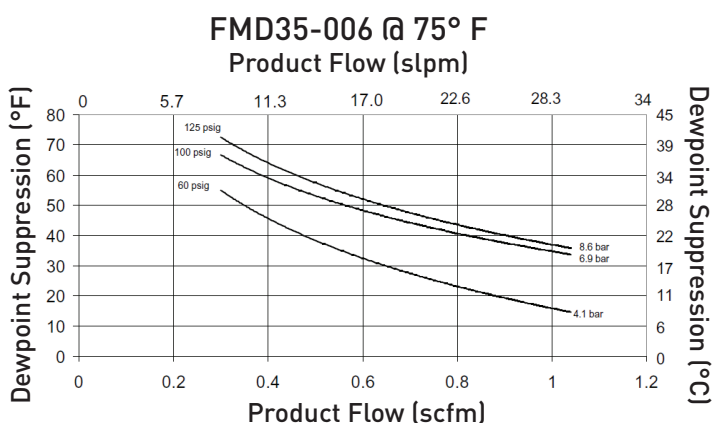
Features & Benefits

- No moving parts
- Quiet
- Designed for point of use
- Continuous operation
- Differential pressure indicator (on selected models)
- "Hollow fiber technology
- Non oxygen depleting membrane fibers
- Nothing to wear out
- Can be installed anywhere
- Lightweight
- No waiting for media changeouts
- Less downtime
- Perfect for point-of-use applications
- Ease of installation
- Less downtime
- Dryer protection insurance
- Low operating cost
- OEM cost savings
- Environmentally friendly
- Prevents freezing
- No electricity
- No U.L. approval required
- No refrigerants
- Low dewpoints
- Only water vapor molecules are allowed to pass through fiber walls

+35° F Dewpoint Dryers

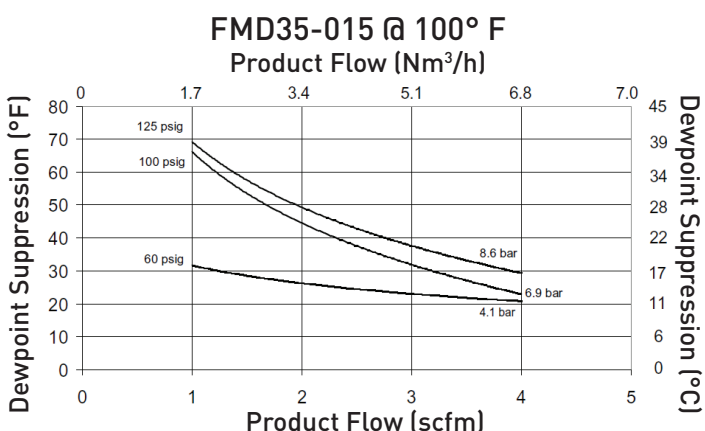
Part Number FMD35-006

Width	5.5" (14.00 cm)
Height	14.5" (36.83 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.25 SCFM (0.43 NM ³ /H)
Pre-coalescer Part #	Q1S-10HM06-013
Replacement element	10HM06-013
Coalescer Part #	Q1S-6HM06-013
Replacement element	6HM06-013
Weight	0.7 lbs. (.38 kg)



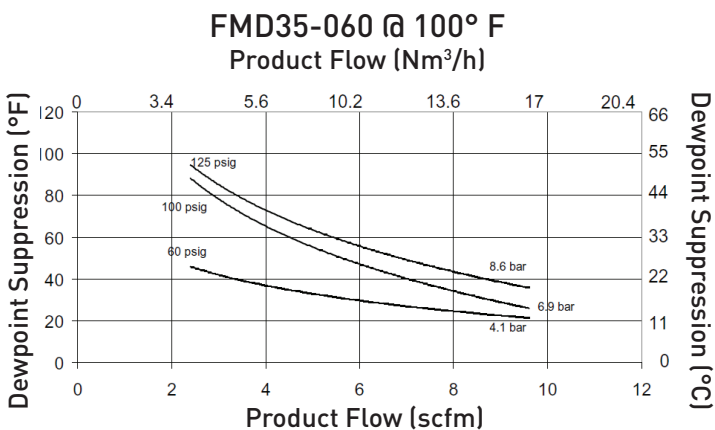
Part Number FMD35-015

Width	6.5" (16.51 cm)
Height	15" (38.10 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.5 SCFM (0.85 NM ³ /H)
Pre-coalescer Part #	Q1S-10HM06-013
Replacement element	10HM06-013
Coalescer Part #	Q1S-6HM06-013
Replacement element	6HM06-013
Weight	1.9 lbs. (.86 kg)



Part Number FMD35-060

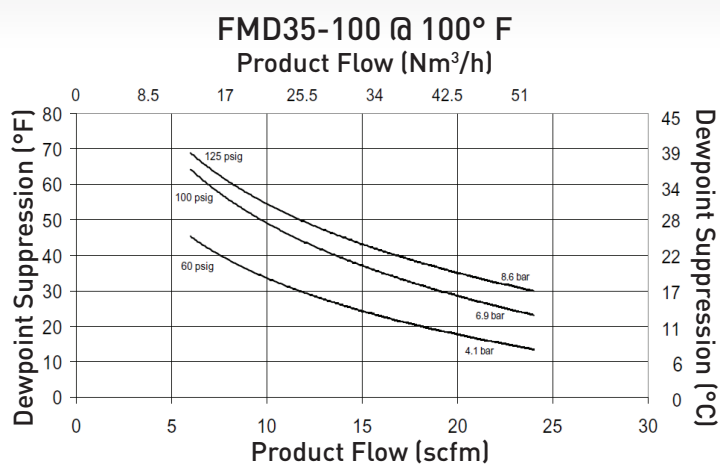
Width	10" (25.4 cm)
Height	22" (55.88 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	1.5 SCFM (2.55 NM ³ /H)
Pre-coalescer Part #	HN1S-10CW
Replacement element	10C10-025
Coalescer Part #	HN1S-6CW
Replacement element	6C10-025
Weight	5.2 lbs. (2.36 kg)



+35° F Dewpoint Dryers

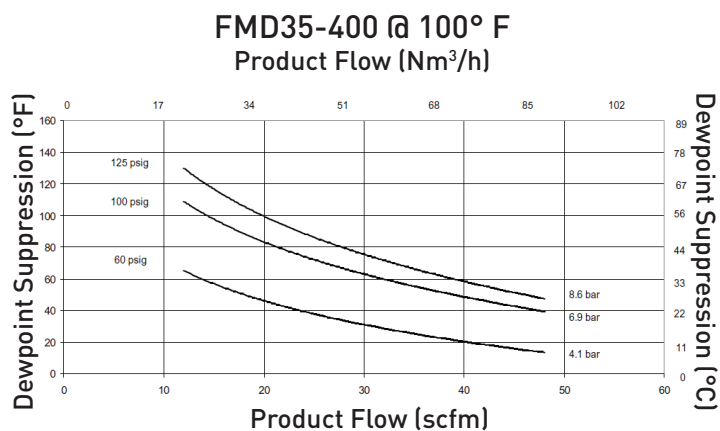
Part Number FMD35-100

Width	11.5" (29.21 cm)
Height	22" (55.88 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	3.5 SCFM (5.95 NM ³ /H)
Pre-coalescer Part #	HN2S-10CW
Replacement element	10HM06-013
Coalescer Part #	HN2S-6CW
Replacement element	6C10-025
Weight	7.1 lbs. (3.22 kg)



Part Number FMD35-400

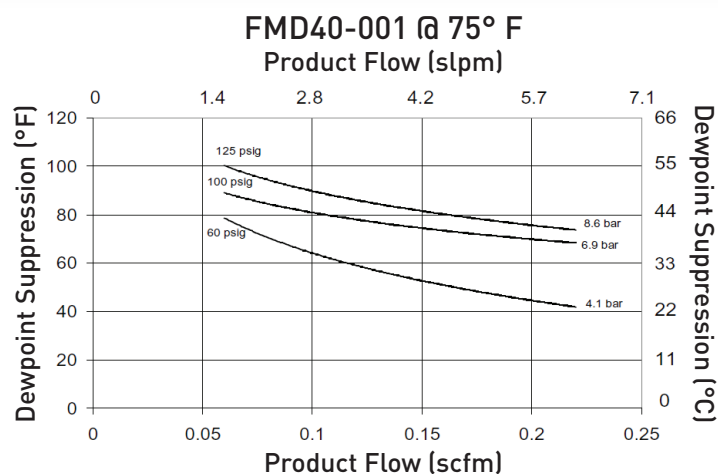
Width	14" (35.56 cm)
Height	38" (96.52 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	6 SCFM (4.2 NM ³ /H)
Pre-coalescer Part #	HN2L-10CW
Replacement element	10C10-050
Coalescer Part #	HN2L-6CW
Replacement element	6C10-050
Weight	18.9 (8.57)



+40° F Dewpoint Dryers

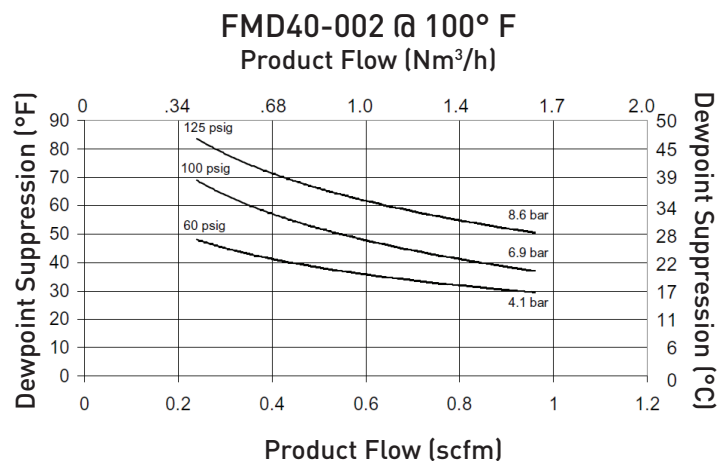
Part Number FMD40-001

Width	5.5" (14.00 cm)
Height	14.5" (36.83 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.25 SCFM (0.43 NM ³ /H)
Pre-coalescer Part #	Q1S-10HM06-013
Replacement element	10HM06-013
Coalescer Part #	Q1S-6HM06-013
Replacement element	6HM06-013
Weight	0.7 lbs. (.38 kg)



Part Number FMD40-002

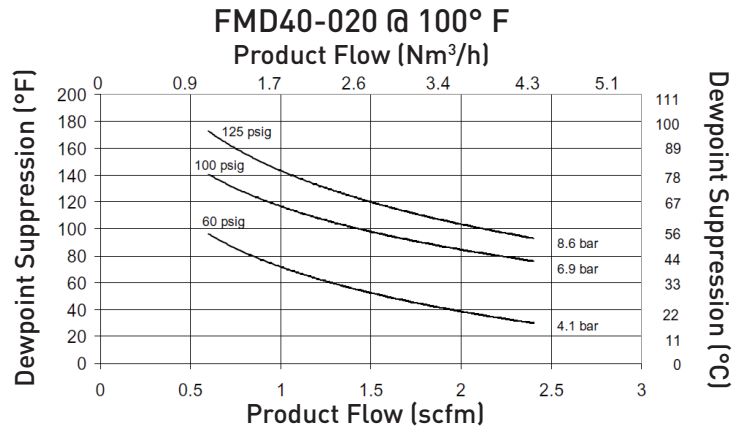
Width	6.5" (16.51 cm)
Height	15" (38.10 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.2 SCFM (0.34 NM ³ /H)
Pre-coalescer Part #	Q1S-10HM06-013
Replacement element	10HM06-013
Coalescer Part #	Q1S-6HM06-013
Replacement element	6HM06-013
Weight	1.9 lbs. (.86 kg)



+40° F Dewpoint Dryers

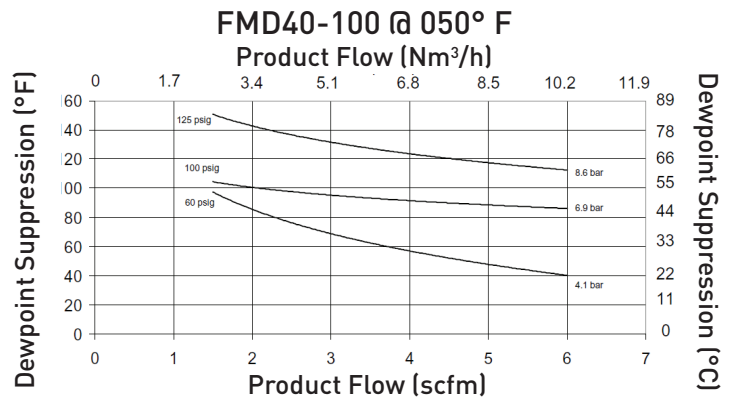
Part Number FMD40-020

Width	10" (25.4 cm)
Height	22" (55.88 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40° -100° F (4.4° -37.8° C)
Purge Flow @ 100 PSI	0.5 SCFM (0.85 NM ³ /H)
Pre-coalescer Part #	HN1S-10CW
Replacement element	10C10-025
Coalescer Part #	HN1S-6CW
Replacement element	6C10-025
Weight	5.2 lbs (2.36 kg)



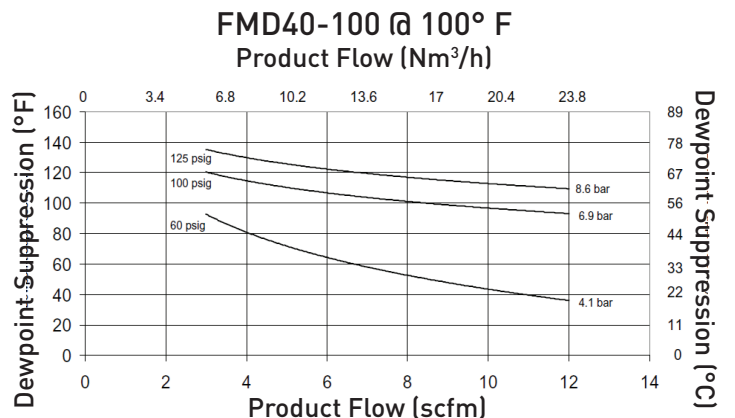
Part Number FMD40-050

Width	14" (35.56 cm)
Height	26" (66.04 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40° -100° F (4.4° -37.8° C)
Purge Flow @ 100 PSI	2 SCFM (3.4 NM ³ /H)
Pre-coalescer Part #	HN2S-10CW
Replacement element	10C10-025
Coalescer Part #	HN2S-6CW
Replacement element	6C10-025
Weight	13.3 lbs (3.22 kg)



Part Number FMD40-100

Width	14" (35.56 cm)
Height	38" (96.52 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40° -100° F (4.4° -37.8° C)
Purge Flow @ 100 PSI	2.5 SCFM (4.25 NM ³ /H)
Pre-coalescer Part #	HN2L-10CW
Replacement element	10C10-050
Coalescer Part #	HN2L-6CW
Replacement element	6C10-050
Weight	18.9 lbs. (8.57 kg)



Worldwide Filtration Manufacturing Locations

North America

Compressed Air Treatment

Industrial Gas Filtration and Generation Division

Lancaster, NY
716 686 6400
www.parker.com/igfg

Haverhill, MA
978 858 0505
www.parker.com/igfg

Engine Filtration

Racor

Modesto, CA
209 521 7860
www.parker.com/racor

Holly Springs, MS
662 252 2656
www.parker.com/racor

Hydraulic Filtration

Hydraulic & Fuel Filtration

Metamora, OH
419 644 4311
www.parker.com/hydraulicfilter

Laval, QC Canada
450 629 9594
www.parkerfarr.com

Velcon
Colorado Springs, CO
719 531 5855
www.velcon.com

Process Filtration

domnick hunter Process Filtration SciLog

Oxnard, CA
805 604 3400
www.parker.com/processfiltration

Water Purification

Village Marine, Sea Recovery, Horizon Reverse Osmosis

Carson, CA
310 637 3400
www.parker.com/watermakers

Europe

Compressed Air Treatment

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Gateshead, England
+44 (0) 191 402 9000
www.parker.com/dhfn

Parker Gas Separations

Etten-Leur, Netherlands
+31 76 508 5300
www.parker.com/dhfn

Hiross Airtek

Essen, Germany
+49 2054 9340
www.parker.com/hzfd

Padova, Italy
+39 049 9712 111
www.parker.com/hzfd

Engine Filtration & Water Purification

Racor

Dewsbury, England
+44 (0) 1924 487 000
www.parker.com/rfde

Racor Research & Development

Stuttgart, Germany
+49 (0)711 7071 290-10

Hydraulic Filtration

Hydraulic Filter

Arnhem, Holland
+31 26 3760376
www.parker.com/hfde

Ujala, Finland
+358 20 753 2500

Condition Monitoring Parker Kittiwake

West Sussex, England
+44 (0) 1903 731 470
www.kittiwake.com

Process Filtration

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+44 (0) 191 410 5121
www.parker.com/processfiltration

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+61 2 9634 7777
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www.parker.com/br

Pan American Division

Miami, FL
305 470 8800
www.parker.com/panam

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