



FOCUSED ON OEM COMPRESSED AIR  
HOLLOW FIBER MEMBRANE DRYERS



ENGINEERING **YOUR** SUCCESS.

# OEM Compressed Air Hollow Fiber Membrane Dryers

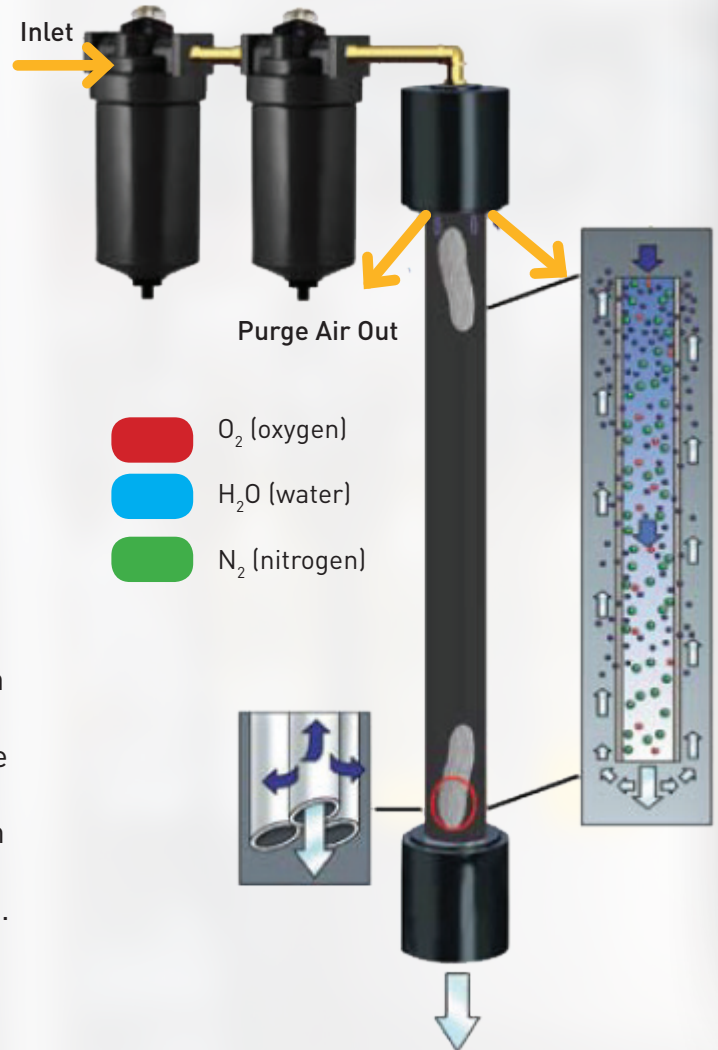
Finite, the world leader in coalescing media development, has combined its proven coalescing filtration with a modern alternative to pressure swing and refrigerant dryer technologies.

Finite's membrane dryers are available in 10 models which can supply clean, dry compressed air with dewpoints as low as  $-40^{\circ}\text{F}$  (@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





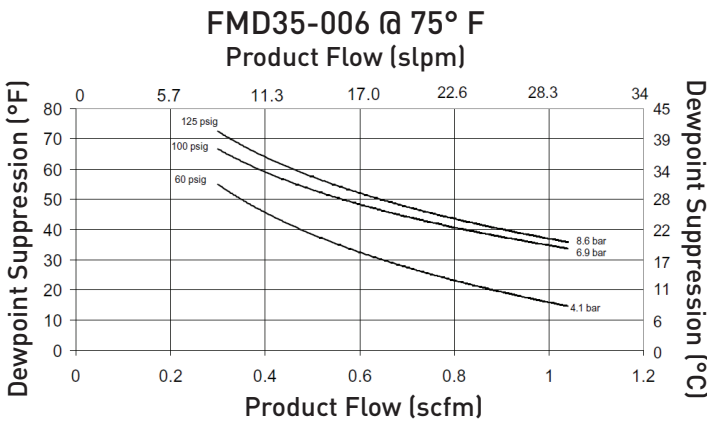
## Features & Benefits

- 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

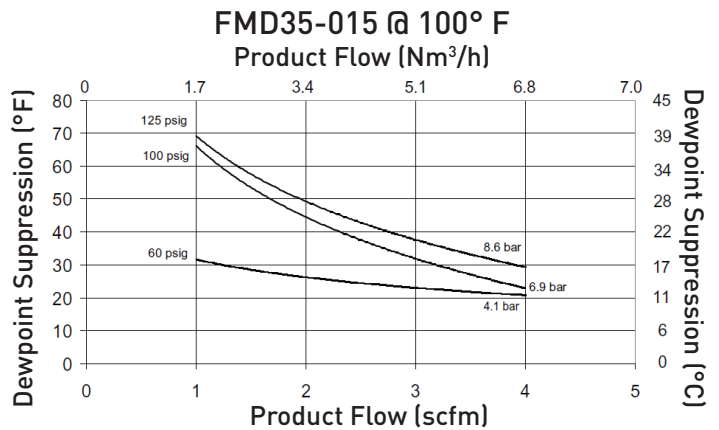
## Part Number FMD35-006

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 <sup>3</sup> /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)



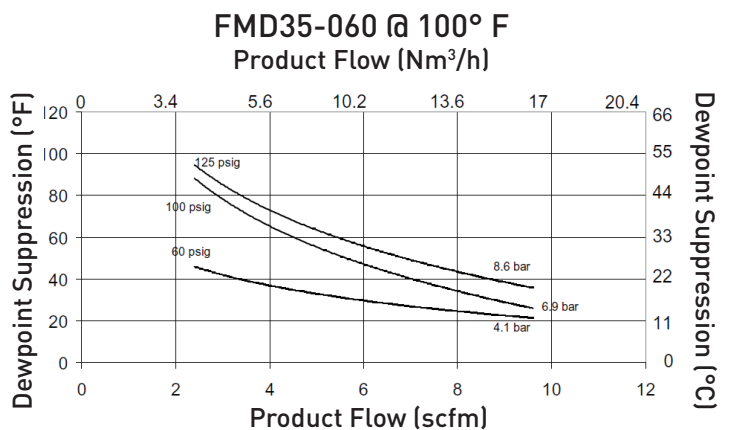
## Part Number FMD35-015

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 <sup>3</sup> /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 <sup>3</sup> /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

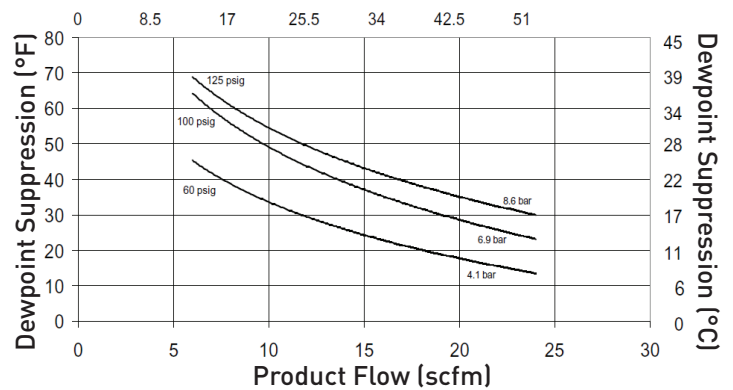
### Part Number FMD35-100

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 <sup>3</sup> /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)

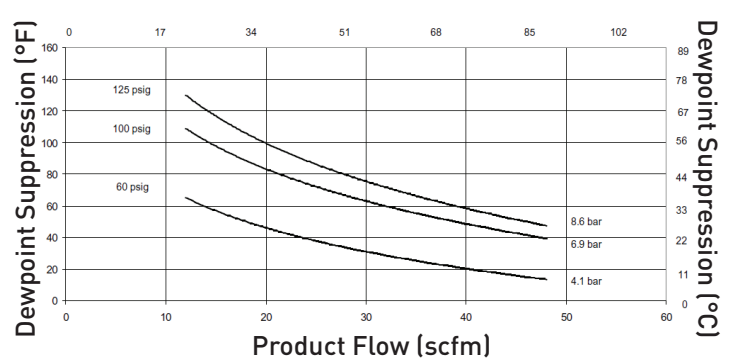
### Part Number FMD35-400

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 <sup>3</sup> /H)
Pre-coalescer Part #	HN2L-10CW
Replacement element	10C10-050
Coalescer Part #	HN2L-6CW
Replacement element	6C10-050
Weight	18.9 (8.57)

FMD35-100 @ 100° F  
Product Flow (Nm<sup>3</sup>/h)



FMD35-400 @ 100° F  
Product Flow (Nm<sup>3</sup>/h)



## +40° F Dewpoint Dryers

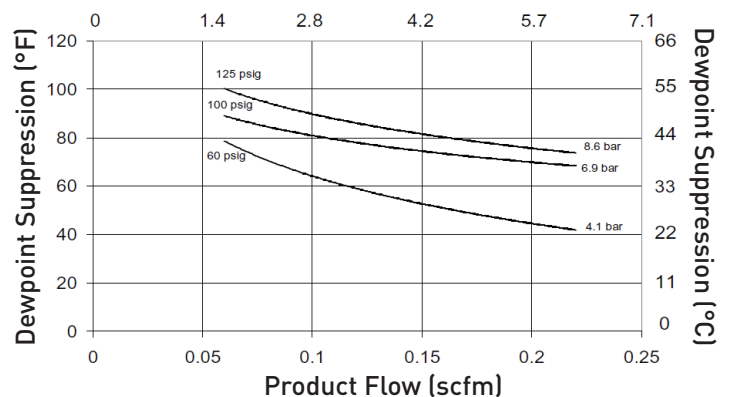
### Part Number FMD40-001

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 <sup>3</sup> /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)

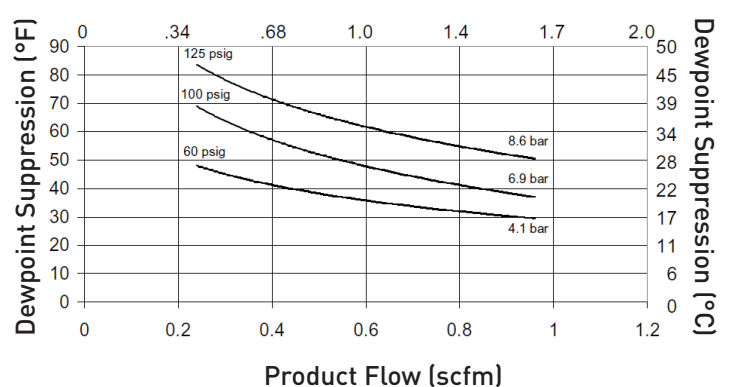
### Part Number FMD40-002

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 <sup>3</sup> /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)

FMD40-001 @ 75° F  
Product Flow (slpm)



FMD40-002 @ 100° F  
Product Flow (Nm<sup>3</sup>/h)





# +40° F Dewpoint Dryers

## Part Number FMD40-020

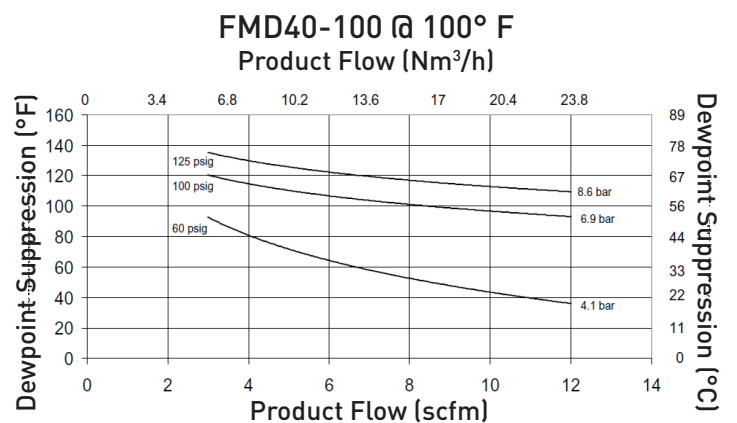
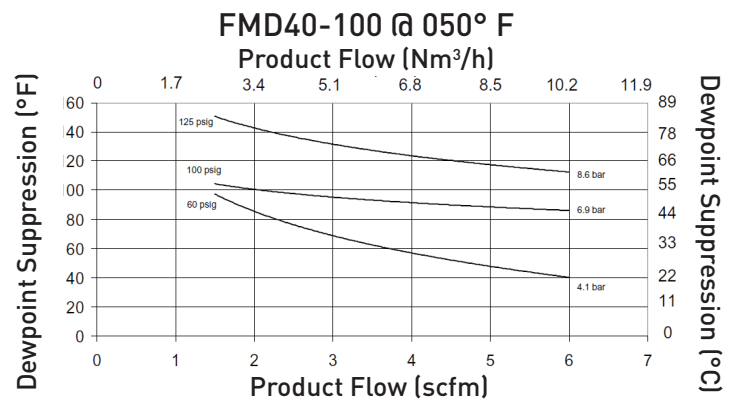
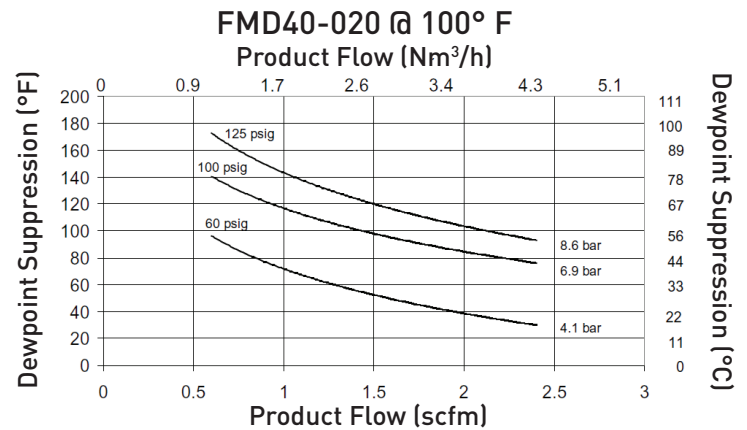
Width	10" (25.4 cm)
Height	22" (55.88 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40° -100° F (4.4° -37.8° C)
Purge Flow @ 100 PSI	0.5 SCFM (0.85 NM <sup>3</sup> /H)
Pre-coalescer Part #	HN1S-10CW
Replacement element	10C10-025
Coalescer Part #	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 <sup>3</sup> /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 <sup>3</sup> /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](http://www.parker.com/igfg)

Haverhill, MA  
978 858 0505  
[www.parker.com/igfg](http://www.parker.com/igfg)

### Engine Filtration

#### Racor

Modesto, CA  
209 521 7860  
[www.parker.com/racor](http://www.parker.com/racor)

Holly Springs, MS  
662 252 2656  
[www.parker.com/racor](http://www.parker.com/racor)

### Hydraulic Filtration

#### Hydraulic & Fuel Filtration

Metamora, OH  
419 644 4311  
[www.parker.com/hydraulicfilter](http://www.parker.com/hydraulicfilter)

Laval, QC Canada  
450 629 9594  
[www.parkerfarr.com](http://www.parkerfarr.com)

Velcon  
Colorado Springs, CO  
719 531 5855  
[www.velcon.com](http://www.velcon.com)

### Process Filtration

#### domnick hunter Process Filtration SciLog

Oxnard, CA  
805 604 3400  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

### Water Purification

#### Village Marine, Sea Recovery, Horizon Reverse Osmosis

Carson, CA  
310 637 3400  
[www.parker.com/watermakers](http://www.parker.com/watermakers)

## Europe

### Compressed Air Treatment

#### domnick hunter Filtration & Separation

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

#### Parker Gas Separations

Etten-Leur, Netherlands  
+31 76 508 5300  
[www.parker.com/dhfn](http://www.parker.com/dhfn)

#### Hiross Airtek

Essen, Germany  
+49 2054 9340  
[www.parker.com/hzfd](http://www.parker.com/hzfd)

Padova, Italy  
+39 049 9712 111  
[www.parker.com/hzfd](http://www.parker.com/hzfd)

### Engine Filtration & Water Purification

#### Racor

Dewsbury, England  
+44 (0) 1924 487 000  
[www.parker.com/rfde](http://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](http://www.parker.com/hfde)

Urdala, Finland  
+358 20 753 2500

#### Condition Monitoring Parker Kittiwake

West Sussex, England  
+44 (0) 1903 731 470  
[www.kittiwake.com](http://www.kittiwake.com)

### Process Filtration

#### domnick hunter Process Filtration Parker Twin Filter BV

Birtley, England  
+44 (0) 191 410 5121  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

## Asia Pacific

### Australia

Castle Hill, Australia  
+61 2 9634 7777  
[www.parker.com/australia](http://www.parker.com/australia)

### China

Shanghai, China  
+86 21 5031 2525  
[www.parker.com/china](http://www.parker.com/china)

### India

Chennai, India  
+91 22 4391 0700  
[www.parker.com/india](http://www.parker.com/india)

### Parker Fowler

Bangalore, India  
+91 80 2783 6794  
[www.johnfowlerindia.com](http://www.johnfowlerindia.com)

### Japan

Tokyo, Japan  
+81 45 870 1522  
[www.parker.com/japan](http://www.parker.com/japan)

### Korea

Hwaseon-City  
+82 31 359 0852  
[www.parker.com/korea](http://www.parker.com/korea)

### Singapore

Jurong Town, Singapore  
+65 6887 6300  
[www.parker.com/singapore](http://www.parker.com/singapore)

### Thailand

Bangkok, Thailand  
+66 2186 7000  
[www.parker.com/thailand](http://www.parker.com/thailand)

## Latin America

### Parker Comercio Ltda.

Filtration Division  
Sao Paulo, Brazil  
+55 12 4009 3500  
[www.parker.com/br](http://www.parker.com/br)

### Pan American Division

Miami, FL  
305 470 8800  
[www.parker.com/panam](http://www.parker.com/panam)

## Africa

Aeroporto Kempton Park, South Africa  
+27 11 9610700  
[www.parker.com/africa](http://www.parker.com/africa)



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[www.parker.com/igfg](http://www.parker.com/igfg)

