



Air Preparation Equipment

Miniature Series (1/8, 1/4 NPT) 8.3-8.14

**Compact Series
(1/4, 3/8, 1/2 NPT) 8.15-8.31**

Large Series (1, 1-1/2 NPT) 8.32-8.42



Bimba Air Preparation Equipment

Without clean, consistent air pressure, your pneumatic components are susceptible to breakdowns that can disrupt your entire manufacturing process. That's why we offer a full line of Air Preparation Filters, Regulators and Lubricators (FRLs) with optional accessories, including porting blocks, shut-off valves, gauges and more. Plus, with custom options and fast delivery, you get a flexible solution that fits your needs.

Compressed Air Filters



- Air louvers direct air in a whirling pattern for superior air filtration and liquid separation
- Plastic or bronze filter media available from 5 to 100 micron rating
- Optional automatic drains available to eject collected liquid when the collector bowl is full
- Product lines include oil (coalescing) and vapor removal filter units used for oil-free and more stringent air quality requirements



Regulators

- Large size low torque knob to precisely control a diaphragm to respond to flow demand and pressure changes efficiently
- Units are panel mountable with a variety of pressure ranges available



Lubricators

- Uniquely atomizes oil to enable it to travel greater distances than drip type lubricators for your pneumatic systems and tools
- A fine adjustable knob with visual indication gives a constant oil/air output ratio



Combination F/R Units

- Combination F/R units provide the same features of our standard air filters and regulators in one single unit to save space and installation time

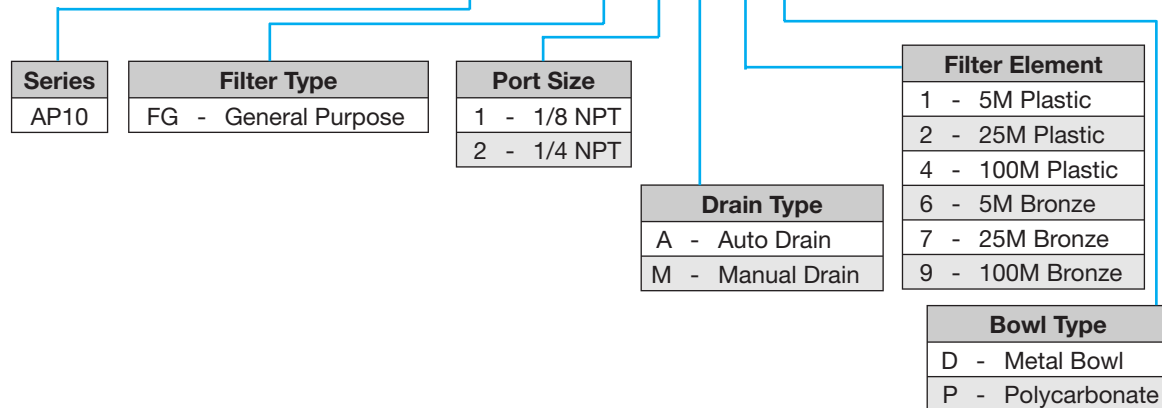
- Optional accessories include slow start/vent valves, shut-off valves, porting blocks and pressure gauges
- All units and accessories stocked for same-day shipment
- All FRL components can be assembled together in any combination at the factory to ship in two days



Compressed Air Filter How to Order

Model Number Below is: Miniature series, general purpose filter, 1/8 NPT ports, automatic drain, 5 micron plastic element, metal bowl

AP10 - FG 1 A 1 D



List Prices

Miniature Series (10), General Purpose Filters

Base Model	Description	List Price
AP10-FG_M_P	General purpose filter, manual drain, polycarbonate bowl	\$20.00
Add for options		
A	Automatic drain	4.50
D	Metal bowl	3.00
Most popular models, typically ship from stock		
AP10-FG_M1P	Manual drain, polycarbonate bowl, 5M plastic element	20.00
AP10-FG_A1P	Automatic drain, polycarbonate bowl, 5M plastic element	24.50
AP10-FG_M1D	Manual drain, metal bowl, 5M plastic element	23.00
AP10-FG_A1D	Automatic drain, metal bowl, 5M plastic element	27.50

Options that do not affect price: Port size, Filter element

Miniature Series
(1/8, 1/4 NPT)

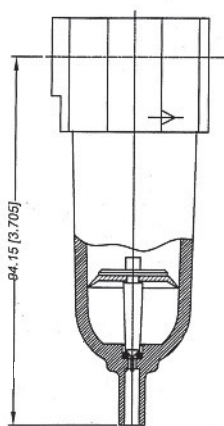
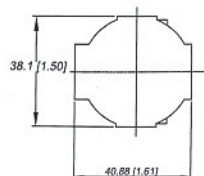
Compact Series
(1/4, 3/8, 1/2 NPT)

Large Series
(1, 1-1/2 NPT)

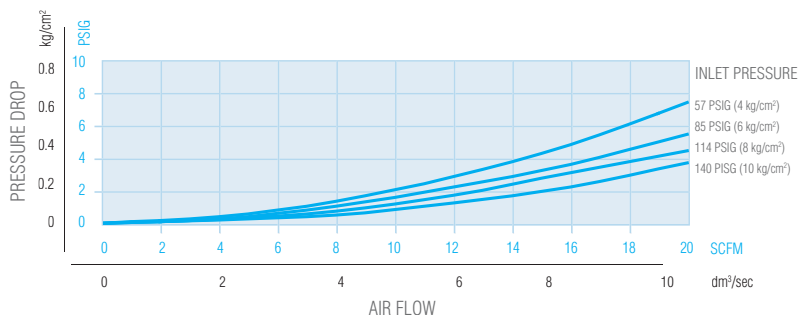
Compressed Air Filter Specifications and Dimensions

Parameters	Specifications	
Pipe Threads	1/8, 1/4 NPT	
Filter Element Size	5, 25, 100 micron	
Element Material	Plastic (Polypropylene) Sintered Bronze	
Body Material	Aluminum Alloy Die Cast	
Bowl Material	Transparent Polycarbonate or Aluminum Alloy Die Cast	
Maximum Inlet Pressure	PC Bowl Metal Bowl	150 psig (10.5 kg/cm ²) 250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	PC Bowl Metal Bowl	125° F (50° C) 175° F (80° C)
Standard Nominal Flow Rate at 85 psig (6 bar) supply pressure and 14.5 psig (1 bar) pressure drop	1/8 NPT 1/4 NPT	18 scfm (8.5 dm ³ /sec) 21 scfm (10 dm ³ /sec)
Drain Types Available	Manual Automatic	(operates only when flow change occurs)

Dimensions in mm (inches)



AP10-FG
1/4 NPT
Inlet pressure as indicated



(Automatic Drain shown)



Pressure Regulator

How to Order

Model Number Below is: Miniature series, pressure regulator, 1/8 NPT ports, no gauge, 5-50 psi pressure range adjustment

AP10 - R 1 N E

Series	Product	Port Size	Pressure Gauge	Adjustment Range
AP10	R - Regulator, Relieving Type	1 - 1/8 NPT 2 - 1/4 NPT	G - With Gauge N - No Gauge	E - 5 to 50 psi K - 10 to 100 psi

List Prices

Miniature Series (10), Air Pressure Regulators

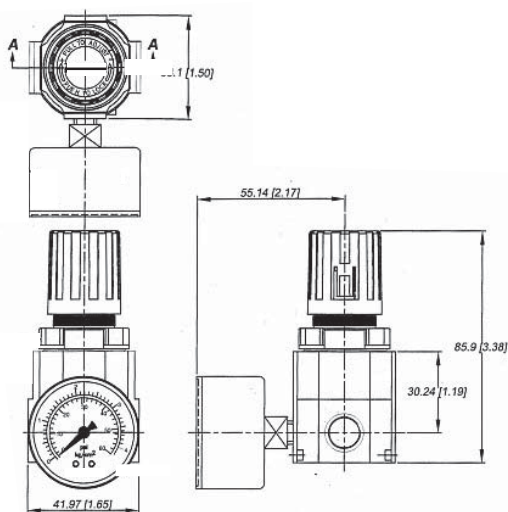
Base Model	Description	List Price
AP10-R__	Air pressure regulator	\$17.00
Add for options		
G	Pressure gauge	8.50
Most popular models, typically ship from stock		
AP10-R_N_	Regulator, no gauge	17.00
AP10-R_G_	Regulator, with gauge	25.50

Options that do not affect price: Port size, Pressure range

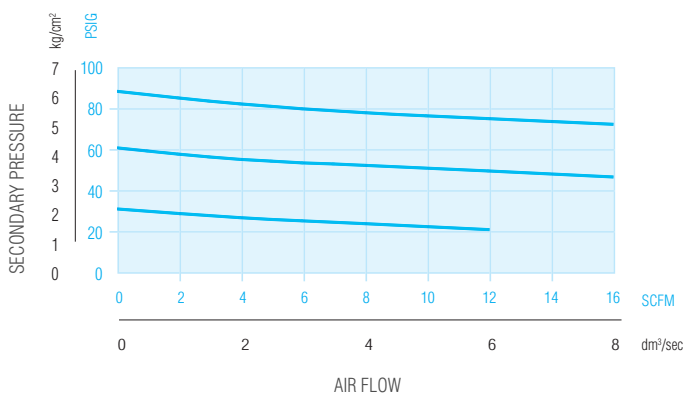
Pressure Regulator Specifications and Dimensions

Parameters	Specifications	
Pipe Threads	1/8, 1/4 NPT	
Regulator Type	Relieving Diaphragm	
Body Material	Aluminum Alloy Die Cast	
Adjustment	Non-rising Plastic Knob	
Maximum Inlet Pressure	(250 psig) 17.5 kg/cm ²	
Maximum Operating Temperature (ambient)	175° F (80° C)	
Regulated Secondary Outlet Pressure Ranges Available	5 to 50 psig 10 to 100 psig	
Gauge Size	40 mm OD	
Gauge Port Size	1/8 NPT	
Standard Nominal Flow Rate at 145 psig (10 bar) supply pressure, 85 psig (6 bar) secondary pressure, 14.5 psig (1 bar) drop	1/8 NPT 1/4 NPT	14 scfm (6.5 dm ³ /sec) 16 scfm (7.5 dm ³ /sec)
Panel Mounting	Nut Included Standard NOTE: 1.28 in. (32.4 mm) diameter hole required for panel mounting	

Dimensions in mm (inches)



AP10-R
1/4 NPT
Inlet pressure = 140 PSIG (10kg/cm²)

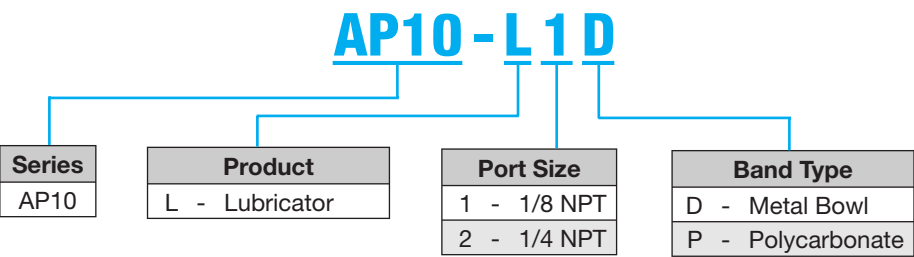




Air Line Lubricator

How to Order

Model Number Below is: Miniature series, air line mist lubricator, 1/8 NPT ports, metal bowl



List Prices

Miniature Series (10), Air Line Lubricators

Base Model	Description	List Price
AP10-L_P	Air line lubricator, polycarbonate bowl	\$30.00
Add for options		
D	Metal bowl	3.00
Most popular models, typically ship from stock		
AP10-L_P	Lubricator, polycarbonate bowl	30.00
AP10-L_D	Lubricator, metal bowl	33.00

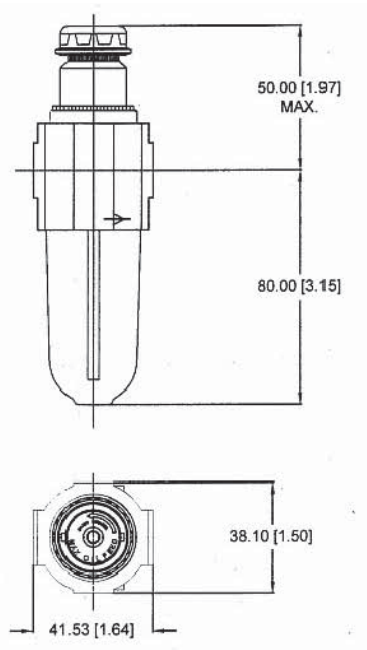
Options that do not affect price: Port size

Air Line Lubricator

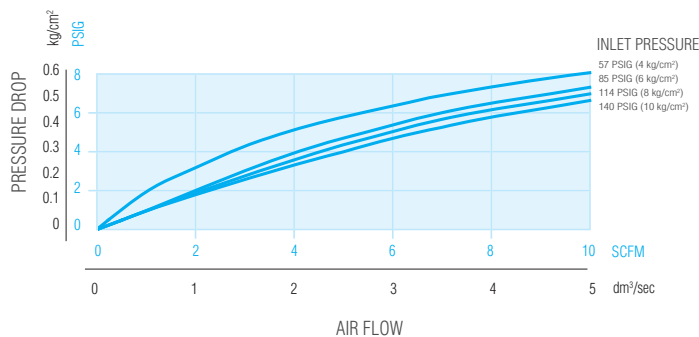
Specifications and Dimensions

Parameters	Specifications	
Pipe Threads	1/8, 1/4 NPT	
Lubricator Type	Misting Type	
Body Material	Aluminum Alloy Die Cast	
Bowl Material	Transparent Polycarbonate or Aluminum Alloy Die Cast	
Bowl Capacity	17 cc	
Maximum Inlet Pressure	PC Bowl Metal Bowl	150 psig (10.5 kg/cm ²) 250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	PC Bowl Metal Bowl	125° F (50° C) 175° F (80° C)
Standard Nominal Flow Rate at 85 psig (6 bar) supply and 14.5 psig (1 bar) drop	16 scfm (7.5 dm ³ /sec)	
Minimum Flow Required to Start at 85 psig (6 bar) inlet	0.5 scfm (0.24 dm ³ /sec)	

Dimensions in mm (inches)



AP10-L
1/4 NPT
Inlet pressure as indicated



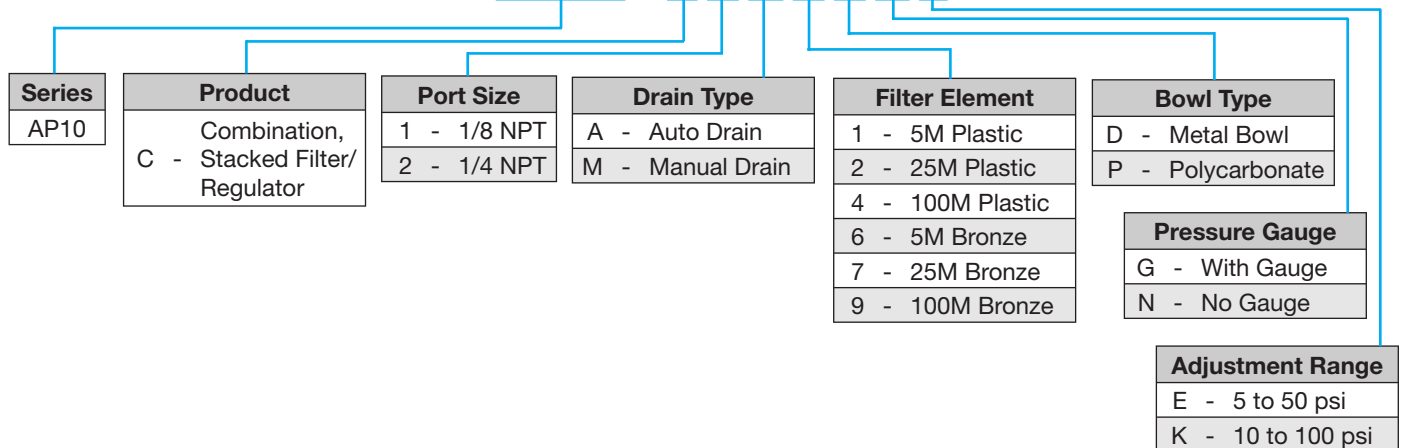


Filter/Regulator Combination Unit

How to Order

Model Number Below is: Miniature series, filter/regulator combination unit, 1/8 NPT ports, automatic drain, 100 micron plastic filter element, metal bowl, no gauge, 5-50 psi pressure adjustment range

AP10 - C1A4DNE



List Prices

Miniature Series (10), Combinations F/R Unit

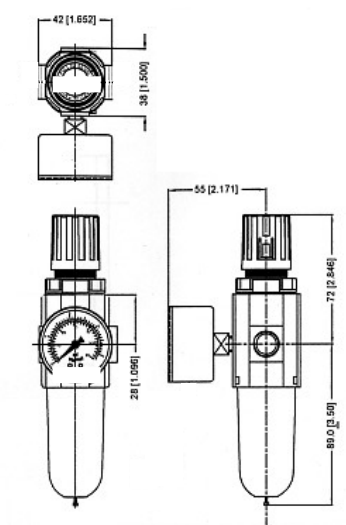
Base Model	Description	List Price
AP10-C_M1PN_	F/R, manual drain, polycarbonate bowl, 5M plastic element, no gauge	\$35.00
Add for options		
A	Automatic drain	4.50
D	Metal bowl	3.00
G	Pressure gauge	8.50
Most popular models, typically ship from stock		
AP10-C_M1PN_	F/R, manual drain, polycarbonate bowl, 5M plastic element, no gauge	35.00
AP10-C_M1DN_	F/R, manual drain, metal bowl, 5M plastic element, no gauge	38.00
AP10-C_A1PN_	F/R, auto drain, polycarbonate bowl, 5M plastic element, no gauge	39.50
AP10-C-A1DN_	F/R, auto drain, metal bowl, 5M plastic element, no gauge	42.50
AP10-C_M1PG_	F/R, manual drain, polycarbonate bowl, 5M plastic element, gauge	43.50
AP10-C_M1DG_	F/R, manual drain, metal bowl, 5M plastic element, gauge	46.50
AP10-C_A1PG_	F/R, auto drain, polycarbonate bowl, 5M plastic element, gauge	48.00
AP10-C_A1DG_	F/R, auto drain, metal bowl, 5M plastic element, gauge	51.00

Options that do not affect price: Port size, pressure range, filter element

Filter/Regulator Combination Unit Specifications and Dimensions

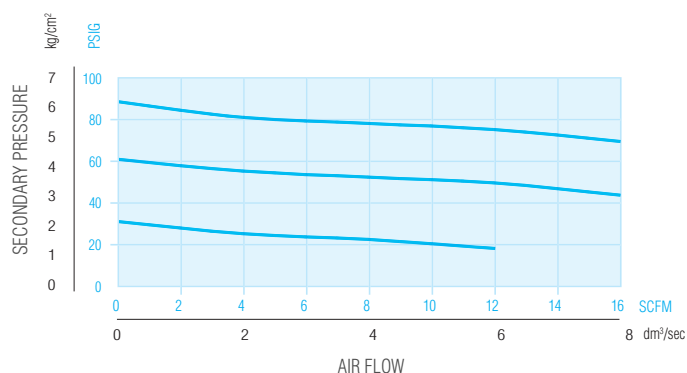
Parameters	Specifications
Pipe Threads	1/8, 1/4 NPT
Body Material	Aluminum Alloy Die Cast
Filter Element Size	5, 25, 100 micron.
Filter Element Material	Plastic (Polypropylene) Sintered Bronze
Bowl Material	Transparent Polycarbonate or Aluminum Alloy Die Cast
Maximum Inlet Pressure	PC Bowl 150 psig (10.5 kg/cm ²) Metal Bowl 250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	PC Bowl 125° F (50° C) Metal Bowl 175° F (80° C)
Drain Types Available	Manual Automatic (operates only on flow change)
Regulator Type	Relieving
Pressure Adjustment	Non-rising Plastic Knob
Regulated Secondary Outlet Pressure Ranges Available	5 to 50 psig 10 to 100 psig
Gauge Size	40 mm OD
Gauge Port Size	1/8 NPT
Panel Mounting	Nut Included Standard NOTE: 1.28 in. (32.4 mm) diameter hole required for panel mounting

Dimensions in mm (inches)



Shown with manual drain

AP10-C
1/4 NPT
Inlet pressure = 140 PSIG (10kg/cm²)





Oil Removal Filter How to Order

Model Number Below is: Miniature series, oil removal filter, 1/8 NPT ports, auto-
matic drain, metal bowl

AP10 - FO 1 A 0 D

Series	Product	Port Size	Drain Type	Filter Element	Bowl Type
AP10	FO - Oil Removal Filter	1 - 1/8 NPT 2 - 1/4 NPT	A - Auto Drain M - Manual Drain	0 - Oil Removal	D - Metal Bowl P - Polycarbonate

List Prices

Miniature Series (10), Coalescing Filters

Base Model	Description	List Price
AP10-FO_M0P	Coalescing filter, polycarbonate bowl, manual drain	\$45.00
Add for options		
A	Automatic drain	4.50
D	Metal bowl	3.00
Most popular models, typically ship from stock		
AP10-FO_M0P	Coalescing filter, polycarbonate bowl, manual drain	45.00
AP10-FO_A0P	Coalescing filter, polycarbonate bowl, automatic drain	49.50
AP10-FO-M0D	Coalescing filter, metal bowl, manual drain	48.00
AP10-FO_A0D	Coalescing filter, metal bowl, automatic drain	52.50

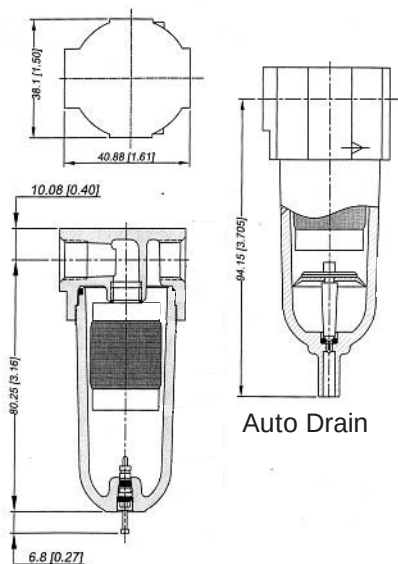
Options that do not affect price: Port size

Oil Removal Filter

Specifications and Dimensions

Parameters	Specifications
Pipe Threads	1/8, 1/4 NPT
Element Material	Composite Element
Body Material	Aluminum Alloy Die Cast
Bowl Material	Transparent Polycarbonate or Aluminum Alloy Die Cast
Maximum Inlet Pressure	with PC Bowl 150 psig (10.5 kg/cm ²) with Metal Bowl 250 psig (17.5 kg/cm ²)
Operating Temperature Range (ambient)	with PC Bowl 20° F to 120° F (-6° C to 50° C) with Metal Bowl 20° F to 175° F (-6° C to 80° C)
Recommended Flow at an inlet pressure of 100 psig (7 kg/cm ²)	3 scfm (1.4 dm ³ /sec)
Particle Removal	Up to 0.01 micron
Maximum Oil Removal Content	Up to 0.01 ppm
Drain Types Available	Manual Automatic (operates only on flow changes)
Note: Recommended	Use Pre-Filter with 5 micron Element

Dimensions in mm (inches)

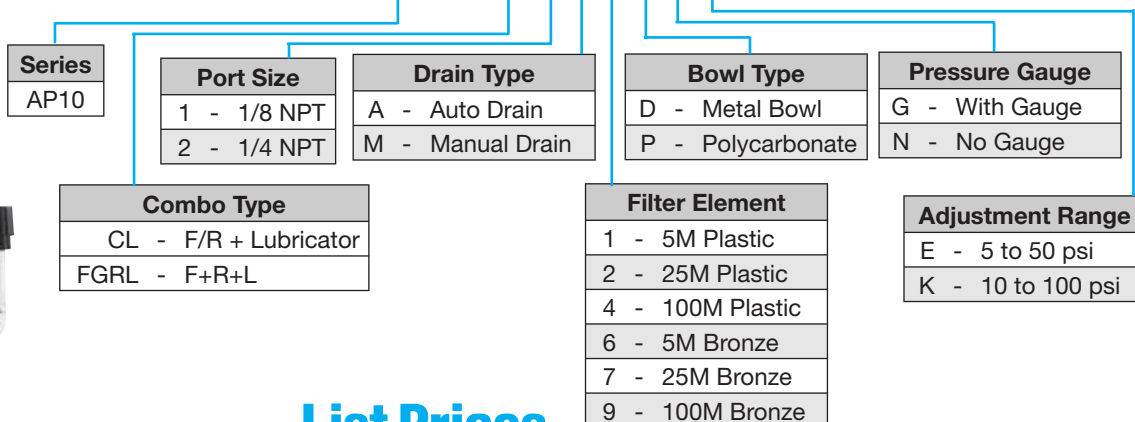


Manual Drain

Assembled Combinations How to Order

Model Number Below is: Miniature series, F/R + Lubricator assembled set, 1/8 NPT ports, automatic drain, 5 micron plastic element, polycarbonate bowl, no gauge, 10-100 psi adjustment range

AP10-CL1A1PNK



List Prices

Miniature Series (10), Assembled Combinations

Base Model	Description	List Price
AP10-CL_M1PN_	F/R + L assembled, manual, polycarbonate, 5M plastic, no gauge	\$71.00
AP10-FGRL_M1PN_	F + R + L assembled, manual, polycarbonate, 5M plastic, no gauge	79.00
Add for options		
A	Automatic drain	4.50
D	Metal bowl	6.00
G	Pressure gauge	8.50
Most popular models		
AP10-CL_M1PN_	F/R+L, manual drain, polycarbonate bowl, 5M plastic element, no gauge	71.00
AP10-CL_M1DN_	F/R+L, manual drain, metal bowl, 5M plastic element, no gauge	77.00
AP10-CL_A1PN_	F/R+L, auto drain, polycarbonate bowl, 5M plastic element, no gauge	75.50
AP10-CL_A1DN_	F/R+L, auto drain, metal bowl, 5M plastic element, no gauge	81.50
AP10-CL_M1PG_	F/R+L, manual drain, polycarbonate bowl, 5M plastic element, gauge	79.50
AP10-CL_M1DG_	F/R+L, manual drain, metal bowl, 5M plastic element, gauge	85.50
AP10-CL_A1PG_	F/R+L, auto drain, polycarbonate bowl, 5M plastic element, gauge	84.00
AP10-CL_A1DG_	F/R+L, auto drain, metal bowl, 5M plastic element, gauge	90.00
AP10-FGRL_M1PN_	F+R+L, manual drain, polycarbonate bowl, 5M plastic element, no gauge	79.00
AP10-FGRL_M1DN_	F+R+L, manual drain, metal bowl, 5M plastic element, no gauge	85.00
AP10-FGRL_A1PN_	F+R+L, auto drain, polycarbonate bowl, 5M plastic element, no gauge	83.50
AP10-FGRL_A1DN_	F+R+L, auto drain, metal bowl, 5M plastic element, no gauge	89.50
AP10-FGRL_M1PG_	F+R+L, manual drain, polycarbonate bowl, 5M plastic element, gauge	87.50
AP10-FGRL_M1DG_	F+R+L, manual drain, metal bowl, 5M plastic element, gauge	93.50
AP10-FGRL_A1PG_	F+R+L, auto drain, polycarbonate bowl, 5M plastic element, gauge	92.00
AP10-FGRL_A1DG_	F+R+L, auto drain, metal bowl, 5M plastic element, gauge	98.00

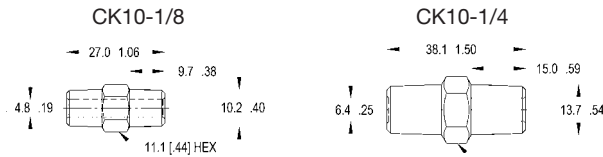
Options that do not affect price: Port size, pressure range, filter element

Bimba Position Feedback Cylinders

Accessories

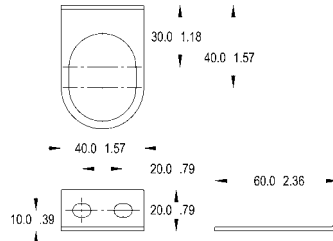
Connector Kit

Connector Kit	
CK10-1/8	\$3.25
CK10-1/4	4.00



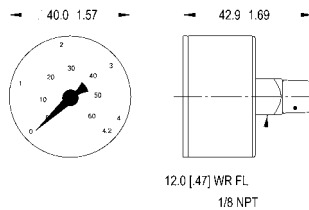
Regulator Bracket Mount

Regulator Bracket Mount	
PMB10	\$2.75



Gauge

Pressure Gauge	
PG-2 (0-60 psi)	\$8.50
PG-3 (0-150 psi)	8.50

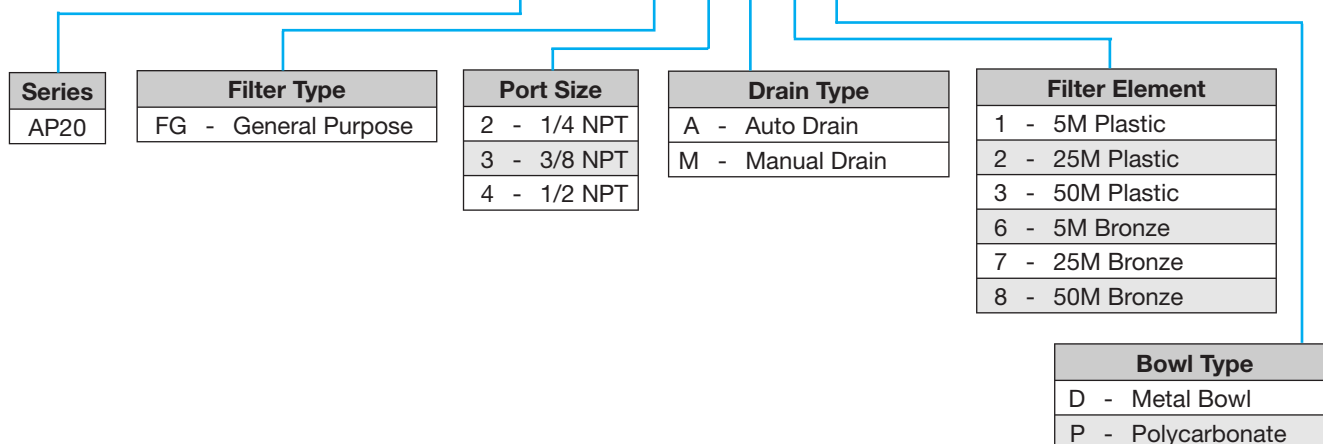




Compressed Air Filter How to Order

Model Number Below is: Compact series, general purpose filter, 1/4 NPT ports, automatic drain, 50 micron plastic element, metal bowl with sight glass

AP20 - FG 2 A 3 D



List Prices

Compact Series (20), General Purpose Filters

Base Model	Description	List Price
AP20-FG_M_P	General purpose filter, manual drain, polycarbonate bowl	\$35.50
Add for options		
A	Automatic drain	14.00
D	Metal bowl with sight glass	10.00
Most popular models, typically ship from stock		
AP20-FG_M1P	Manual drain, polycarbonate bowl, 5M plastic element	35.50
AP20-FG_A1P	Automatic drain, polycarbonate bowl, 5M plastic element	49.50
AP20-FG_M1D	Manual drain, metal bowl with sight glass, 5M plastic element	45.50
AP20-FG_A1D	Automatic drain, metal bowl with sight glass, 5M plastic element	59.50

Options that do not affect price: Port size, Filter element

Miniature Series
(1/8, 1/4 NPT)

Compact Series
(1/4, 3/8, 1/2 NPT)

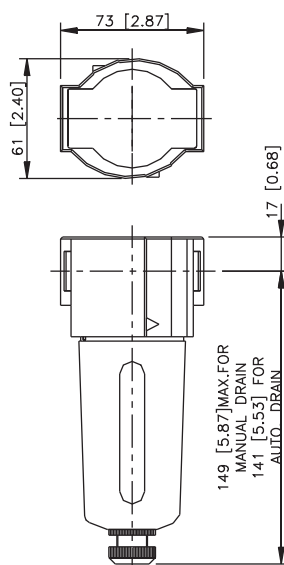
Large Series
(1, 1-1/2 NPT)

Compressed Air Filter

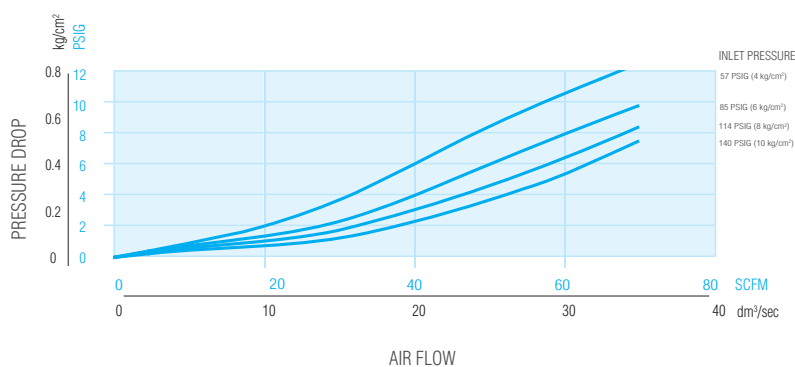
Specifications and Dimensions

Parameters	Specifications	
Pipe Threads	1/4, 3/8, 1/2 NPT	
Filter Element Size	5, 25, 50 micron	
Element Material	Plastic (Polypropylene) Sintered Bronze	
Body Material	Aluminum Alloy Die Cast	
Bowl Material	Transparent Polycarbonate with Bowl Guard or Aluminum Alloy Metal with Sight Glass	
Maximum Inlet Pressure	PC Bowl Metal Bowl	150 psig (10.5 kg/cm ²) 250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	PC Bowl Metal Bowl	125° F (50° C) 175° F (80° C)
Standard Nominal Flow Rate at 85 psig (6 bar) supply pressure and 14.5 psig (1 bar) drop	1/4 NPT 3/8, 1/2 NPT	90 scfm (43 dm ³ /sec) 100 scfm (48 dm ³ /sec)
Drain Types Available	Manual Automatic	

Dimensions in mm (inches)



AP20-FG
1/4 NPT
Inlet pressure as indicated



Shown with manual drain

Miniature Series
(1/8, 1/4 NPT)

Pressure Regulator

How to Order



Model Number Below is: (Compact series, air pressure regulator, 1/4 NPT ports, no gauge, 6 to 60 psi, adjustment range)

AP20 - R 2 N F

Series	Product	Port Size	Pressure Gauge	Adjustment Range
AP20	R - Regulator	2 - 1/4 NPT 3 - 3/8 NPT 4 - 1/2 NPT	G - With Gauge N - No Gauge	F - 6 to 60 psi L - 12 to 125 psi M - 15 to 150 psi

Compact Series
(1/4, 3/8, 1/2 NPT)

List Prices

Compact Series (20), Air Pressure Regulators

Base Model	Description	List Price
AP20-R__	Air pressure regulator	\$35.00
Add for options		
G	Pressure gauge	8.50
Most popular models, typically ship from stock		
AP20-R_N_	Regulator, no gauge	35.00
AP20-R_G_	Regulator, with gauge	43.50

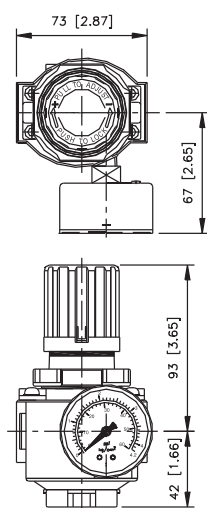
Options that do not affect price: Port size, Pressure range

Large Series
(1, 1-1/2 NPT)

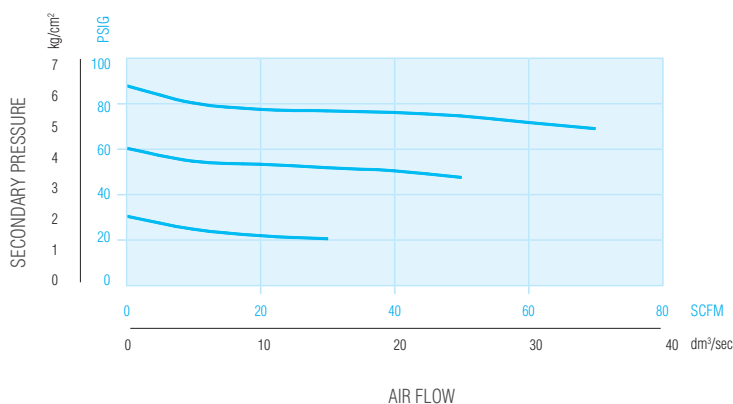
Pressure Regulator Specifications and Dimensions

Parameters	Specifications
Pipe Threads	1/4, 3/8, 1/2 NPT
Regulator Type	Relieving Diaphragm
Body Material	Aluminum Alloy Die Cast
Adjustment	Non-rising Plastic Knob
Maximum Inlet Pressure	300 psig (21.0 kg/cm ²)
Maximum Operating Temperature (ambient)	175° F (80° C)
Regulated Secondary Outlet Pressure Ranges Available	6 to 60 psig 12 to 125 psig 15 to 150 psig
Gauge Size	40 mm OD
Gauge Port Size	1/8 NPT
Standard Nominal Flow Rate at 145 psig (10 bar) supply pressure, 85 psig (6 bar) secondary pressure, 14.5 psig (1 bar) drop	1/4 NPT 49 scfm (23 dm ³ /sec) 3/8, 1/2 NPT 84 scfm (40 dm ³ /sec)
Panel Mounting	Nut Included Standard NOTE: 1.89 in. (48.0 mm) diameter hole required for panel mounting

Dimensions in mm (inches)



AP20-R
1/4 NPT
Inlet pressure = 140 PSIG (10kg/cm²)



Miniature Series
(1/8, 1/4 NPT)

Compact Series
(1/4, 3/8, 1/2 NPT)

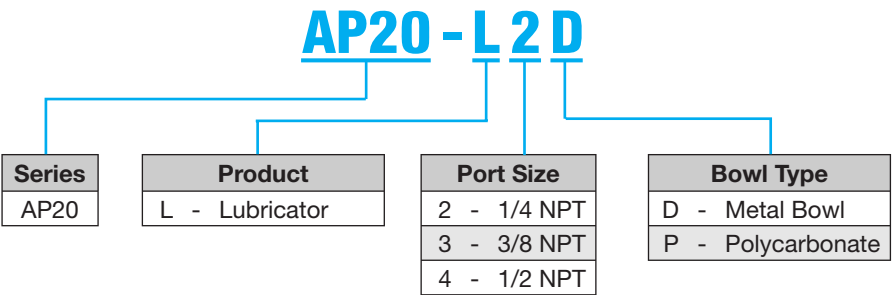
Large Series
(1, 1-1/2 NPT)

Air Line Lubricator

How to Order



Model Number Below is: Compact series, mist air line lubricator, 1/4 NPT ports, metal bowl



List Prices

Compact Series (20), Air Line Lubricators

Base Model	Description	List Price
AP20-L_P	Air line lubricator, polycarbonate bowl	\$45.00
Add for options		
D	Metal bowl with sight glass	10.00
Most popular models, typically ship from stock		
AP20-L_P	Lubricator, polycarbonate bowl	45.00
AP20-L_D	Lubricator, metal bowl with sight glass	55.00

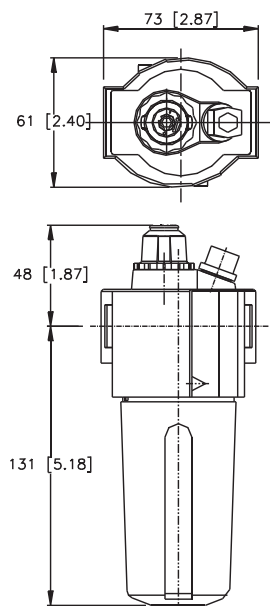
Options that do not affect price: Port size

Air Line Lubricator

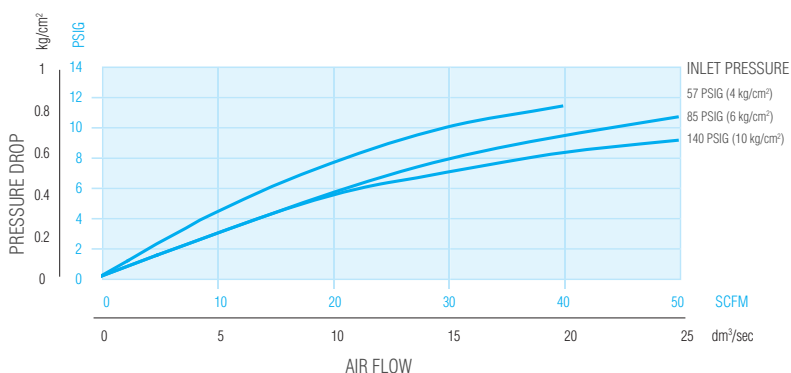
Specifications and Dimensions

Parameters	Specifications	
Pipe Threads	1/4, 3/8, 1/2 NPT	
Lubricator Type	Misting Type	
Body Material	Aluminum Alloy Die Cast	
Bowl Material	Transparent Polycarbonate with Bowl Guard or Aluminum Alloy Metal without Sight Glass	
Bowl Capacity	160 cc	
Maximum Inlet Pressure	PC Bowl Metal Bowl	150 psig (10.5 kg/cm ²) 250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	PC Bowl Metal Bowl	125° F (50° C) 175° F (80° C)
Standard Nominal Flow Rate at 85 psig (6 bar) supply and 14.5 psig (1 bar) pressure drop	1/4 NPT 3/8, 1/2 NPT	37 scfm (18 dm ³ /sec) 74 scfm (35 dm ³ /sec)
Minimum Flow Required to Start (at 6 bar inlet)	1/4 NPT 3/8, 1/2 NPT	2.5 scfm (1.2 dm ³ /sec) 4.0 scfm (1.9 dm ³ /sec)

Dimensions in mm (inches)



AP20-L
1/4 NPT
Inlet pressure as indicated



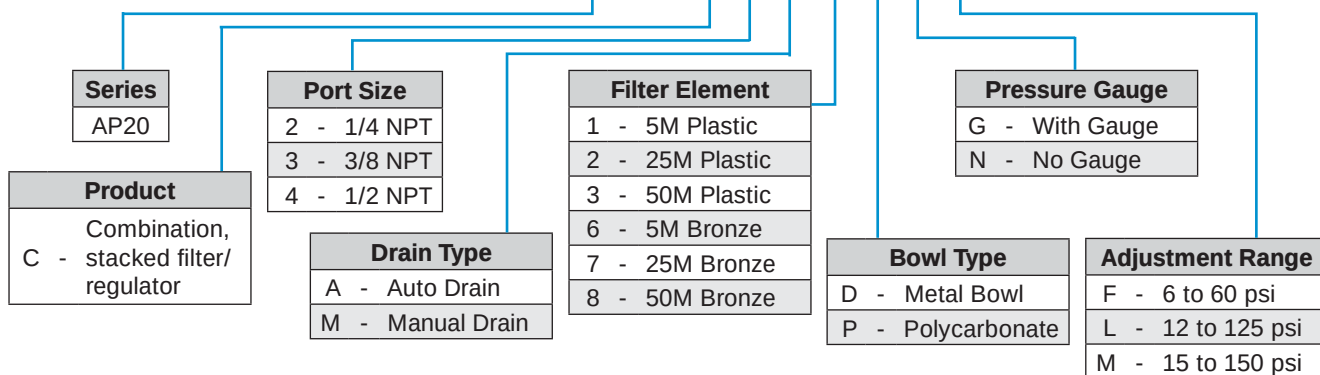


Filter/Regulator Combination Unit

How to Order

Model Number Below is: (Compact series, F/R combination unit, 1/4 NPT ports, automatic drain, 50 micron plastic filter element, metal bowl, no gauge, 6 to 60 psi adjustment range)

AP20 - C 2 A 3 D N F



List Prices

Compact Series (20), Combinations F/R Unit

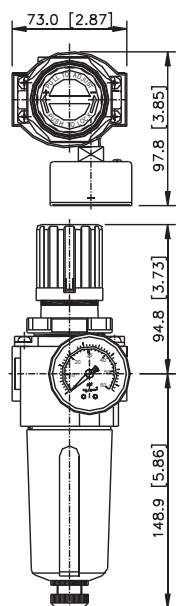
Base Model	Description	List Price
AP20-C_M1PN_	F/R, manual drain, polycarbonate bowl, 5M plastic element, no gauge	\$61.00
Add for options		
A	Automatic drain	14.00
D	Metal bowl with sight glass	10.00
G	Pressure gauge	8.50
Most popular models, typically ship from stock		
AP20-C_M1PN_	F/R, manual drain, polycarbonate bowl, 5M plastic element, no gauge	61.00
AP20-C_M1DN_	F/R, manual drain, metal bowl, 5M plastic element, no gauge	71.00
AP20-C_A1PN_	F/R, auto drain, polycarbonate bowl, 5M plastic element, no gauge	75.00
AP20-C-A1DN_	F/R, auto drain, metal bowl, 5M plastic element, no gauge	85.00
AP20-C_M1PG_	F/R, manual drain, polycarbonate bowl, 5M plastic element, gauge	69.50
AP20-C_M1DG_	F/R, manual drain, metal bowl, 5M plastic element, gauge	79.50
AP20-C_A1PG_	F/R, auto drain, polycarbonate bowl, 5M plastic element, gauge	83.50
AP20-C_A1DG_	F/R, auto drain, metal bowl, 5M plastic element, gauge	93.50

Options that do not affect price: Port size, pressure range, filter element

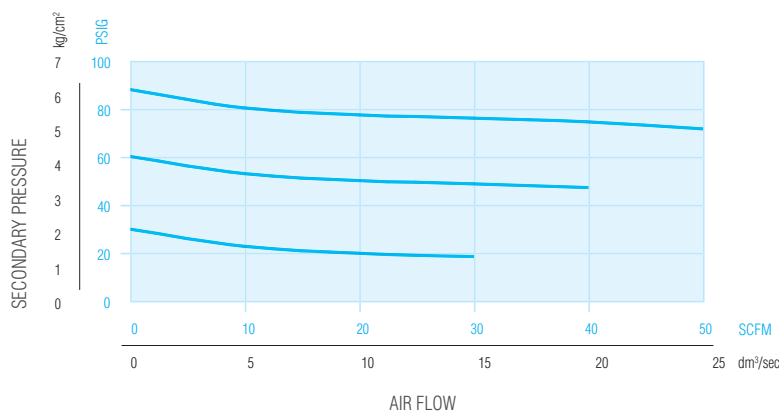
Filter/Regulator Combination Unit Specifications and Dimensions

Parameters	Specifications	
Pipe Threads	1/4, 3/8, 1/2 NPT	
Body Material	Aluminum Alloy Die Cast	
Filter Element Size	5, 25, 50 micron.	
Filter Element Material	Plastic (Polypropylene) Sintered Bronze	
Filter Bowl Material	Transparent Polycarbonate with Bowl Guard or Aluminum Alloy Metal with Sight Glass	
Maximum Inlet Pressure	PC Bowl Metal Bowl	150 psig (10.5 kg/cm ²) 250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	PC Bowl Metal Bowl	125° F (50° C) 175° F (80° C)
Standard Nominal Flow Rate (at 10 bar supply pressure and 1 bar in sec pressure of 6 bar)	1/4 NPT 3/8, 1/2 NPT	70 scfm (33 dm ³ /sec) 73 scfm (35 dm ³ /sec)
Drain Types Available	Manual Automatic	
Regulator Type	Relieving	
Pressure Adjustment	Non-rising Plastic Knob	
Regulated Secondary Outlet Pressure	6 to 60 psig 12 to 125 psig 15 to 150 psig	
Gauge Size	40 mm OD	
Gauge Port Size	1/8 NPT	
Panel Mounting	Nut Included Standard NOTE: 1.89 in. (48.0 mm) diameter hole required for panel mounting	

Dimensions in mm (inches)



AP20-C
1/4 NPT
Inlet pressure = 140 PSIG (10kg/cm²)





Oil Removal Filter

How to Order

Model Number Below is: Compact series, oil removal filter, 1/4 NPT ports, automatic drain, polycarbonate bowl with bowl guard

AP20 - FO 2 A 0 P

Series
AP20

Product
FO - Oil Removal Filter

Port Size
2 - 1/4 NPT
3 - 3/8 NPT
4 - 1/2 NPT

Drain Type
A - Auto Drain
M - Manual Drain

Filter Element
0 - Oil Removal

Bowl Type
D - Metal Bowl
P - Polycarbonate

List Prices

Compact Series (20), Coalescing Filters

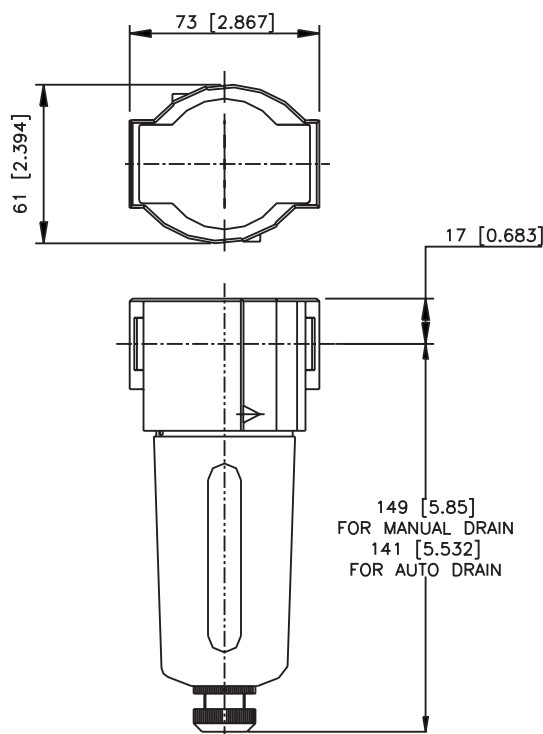
Base Model	Description	List Price
AP20-FO_M0P	Coalescing filter, polycarbonate bowl, manual drain	\$80.00
Add for options		
A	Automatic drain	14.00
D	Metal bowl	10.00
Most popular models, typically ship from stock		
AP20-FO_M0P	Coalescing filter, polycarbonate bowl, manual drain	80.00
AP20-FO_A0P	Coalescing filter, polycarbonate bowl, automatic drain	94.00
AP20-FO-M0D	Coalescing filter, metal bowl, manual drain	90.00
AP20-FO_A0D	Coalescing filter, metal bowl, automatic drain	104.00

Options that do not affect price: Port size

Oil Removal Filter

Specifications and Dimensions

Parameters	Specifications
Pipe Threads	1/4, 3/8, 1/2 NPT
Element Material	Borosilicate
Body Material	Aluminum Alloy Die Cast
Bowl Material	Polycarbonate with Bowl Guard Aluminum Alloy metal with Sight Glass
Maximum Inlet Pressure	PC Bowl 150 psig (10.5 kg/cm ²) Metal Bowl 250 psig (17.5 kg/cm ²)
Operating Temperature Range (ambient)	PC Bowl 20° F to 120° F (-6° C to 50° C) Metal Bowl 80° F to 175° F (-6° C to 80° C)
Recommended Flow (at an inlet pressure of 7 kg/cm ²)	8 scfm (3.8 dm ³ /sec)
Particle Removal	Up to 0.01 micron
Maximum Oil Removal Content	Up to 0.01 ppm
Drain Types Available	Manual Automatic
Note; Recommended	Use Pre-Filter with 5 micron Element



Shown with manual drain

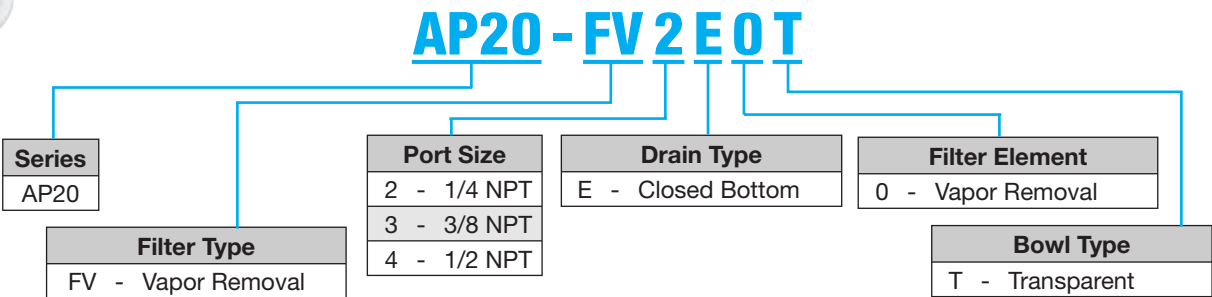
Miniature Series
(1/8, 1/4 NPT)



Vapor Removal Filter

How to Order

Model Number Below is: Compact series, vapor-removal filter, 1/4 NPT ports, transparent polycarbonate bowl



Compact Series
(1/4, 3/8, 1/2 NPT)

List Prices

Compact Series (20), Vapor Removal Filters

Base Model	Description	List Price
AP20-FV-E0T	Vapor removal (.003 ppm), closed bottom bowl	\$75.00

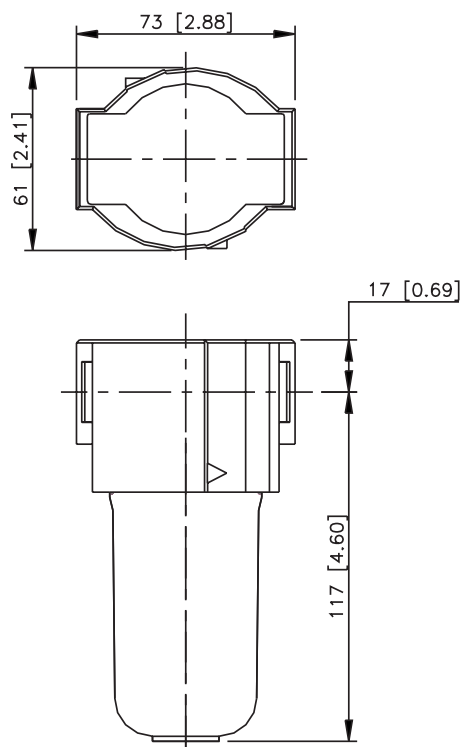
Options that do not affect price: Port size

Large Series
(1, 1-1/2 NPT)

Vapor Removal Filter

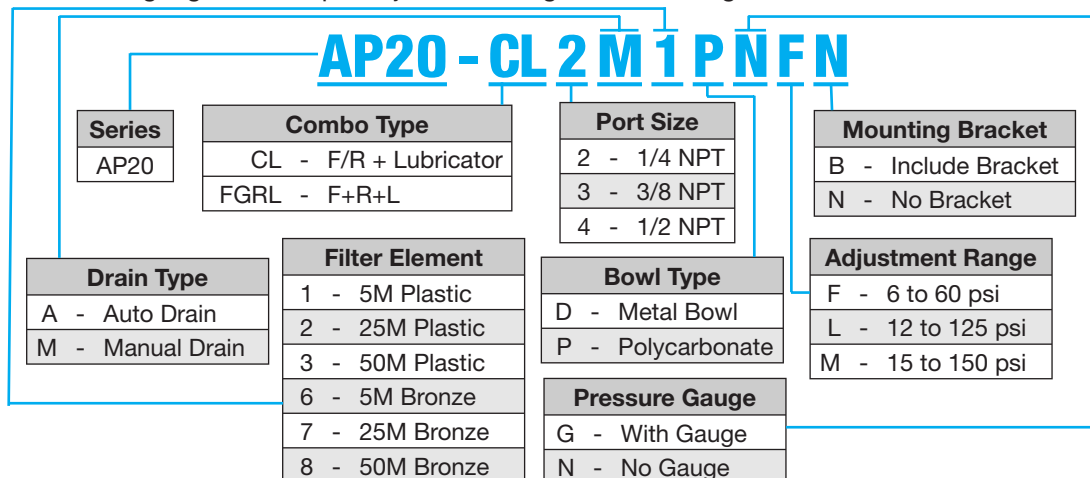
Specifications and Dimensions

Parameters	Specifications
Pipe Threads	1/4, 3/8, 1/2 NPT
Element Material	Activated Carbon
Body Material	Aluminum Alloy Die Cast
Bowl Material	Polycarbonate
Maximum Inlet Pressure	PC Bowl 150 psig (10.5 kg/cm ²)
Operating Temperature Range (ambient)	PC Bowl 20° F to 120° F (-6° C to 50° C)
Recommended Flow at an inlet pressure of 100 psig (7 kg/cm ²)	8 scfm (3.8 dm ³ /sec)
Particle Removal	Up to 0.01 micron
Maximum Oil Removal Content	Up to 0.003 ppm
Note: Recommended	Use Pre-Filter with 5 micron Element



Assembled Combinations How to Order

Model Number Below is: Compact series, F/R + Lubricator assembled set, 1/4 NPT ports, manual drain, 5 micron plastic filter element, polycarbonate bowl, no pressure gauge, 6 to 60 psi adjustment range, no mounting bracket



List Prices

Compact Series (20), Assembled Combinations

Base Model	Description	List Price
AP20-CL_M1PN_	F/R+L, manual drain, polycarbonate bowl, 5M plastic element, no gauge	\$116.00
AP20-FGRL_M1PN_	F+R+L, manual drain, polycarbonate bowl, 5M plastic element, no gauge	135.50
Add for options		
A	Automatic drain	14.00
D	Metal bowl	20.00
G	Pressure gauge	8.50
B	Mounting bracket - CL Mounting bracket - FGRL	6.00 12.00
Most popular models		
AP20-CL_M1PN_N	F/R+L, manual drain, polycarbonate bowl, 5M plastic element, no gauge	116.00
AP20-CL_M1DN_N	F/R+L, manual drain, metal bowl, 5M plastic element, no gauge	136.00
AP20-CL_A1PN_N	F/R+L, auto drain, polycarbonate bowl, 5M plastic element, no gauge	120.00
AP20-CL_A1DN_N	F/R+L, auto drain, metal bowl, 5M plastic element, no gauge	150.00
AP20-CL_M1PG_N	F/R+L, manual drain, polycarbonate bowl, 5M plastic element, gauge	124.50
AP20-CL_M1DG_N	F/R+L, manual drain, metal bowl, 5M plastic element, gauge	144.50
AP20-CL_A1PG_N	F/R+L, auto drain, polycarbonate bowl, 5M plastic element, gauge	128.50
AP20-CL_A1DG_N	F/R+L, auto drain, metal bowl, 5M plastic element, gauge	158.50
AP20-FGRL_M1PN_N	F+R+L, manual drain, polycarbonate bowl, 5M plastic element, no gauge	135.50
AP20-FGRL_M1DN_N	F+R+L, manual drain, metal bowl, 5M plastic element, no gauge	155.50
AP20-FGRL_A1PN_N	F+R+L, auto drain, polycarbonate bowl, 5M plastic element, no gauge	149.50
AP20-FGRL_A1DN_N	F+R+L, auto drain, metal bowl, 5M plastic element, no gauge	169.50
AP20-FGRL_M1PG_N	F+R+L, manual drain, polycarbonate bowl, 5M plastic element, gauge	144.00
AP20-FGRL_M1DG_N	F+R+L, manual drain, metal bowl, 5M plastic element, gauge	164.00
AP20-FGRL_A1PG_N	F+R+L, auto drain, polycarbonate bowl, 5M plastic element, gauge	158.00
AP20-FGRL_A1DG_N	F+R+L, auto drain, metal bowl, 5M plastic element, gauge	178.00

Options that do not affect price: Port size, pressure range, filter element

Accessories

Connector Kit

Connector Kit	
CK20	\$8.00

Gauge

Pressure Gauge	
PG-2 (0-60 psi)	\$8.50
PG-3 (0-150 psi)	8.50

Porting Block

Porting Block	
PB20-1/4	\$15.00

Regulator Bracket Mount

Regulator Bracket Mount	
PMB20	\$7.50

Component Bracket Mount

Component Bracket Mount	
MKS20	\$7.50

Connector Kit Bracket Mount

Connector Kit Bracket Mount	
MKC20	\$7.50

(Shown attached to Connector Kit)

Accessories

Shut-off, Exhaust Valve

Miniature Series
(1/8, 1/4 NPT)

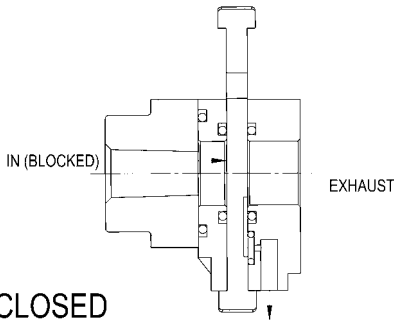
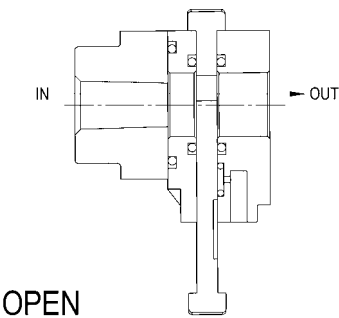
- Designed for modular installation in Compact (20) Series using CK20 Connector Kit
- Valve is 2-way, manually-operated, slide-type
- In closed position, air inlet is blocked, and downstream air is exhausted
- Exhaust port is threaded, so exhaust can be remote
- Valve may be locked in closed position with use of external padlock



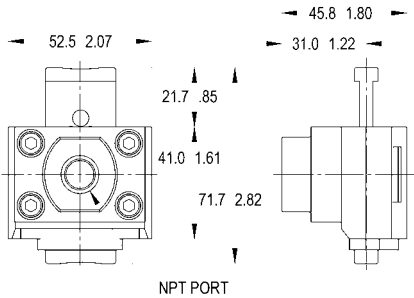
Compact Series
(1/4, 3/8, 1/2 NPT)

Model Number	Description	List Price
AP20-SLV4	Shut-off, exhaust, lockout valve, 1/2 NPT	\$21.00
AP20-SLV3	Shut-off, exhaust, lockout valve, 3/8 NPT	21.00
AP20-SLV2	Shut-off, exhaust, lockout valve, 1/4 NPT	21.00

Operation



Dimensions



Large Series
(1, 1-1/2 NPT)

Accessories

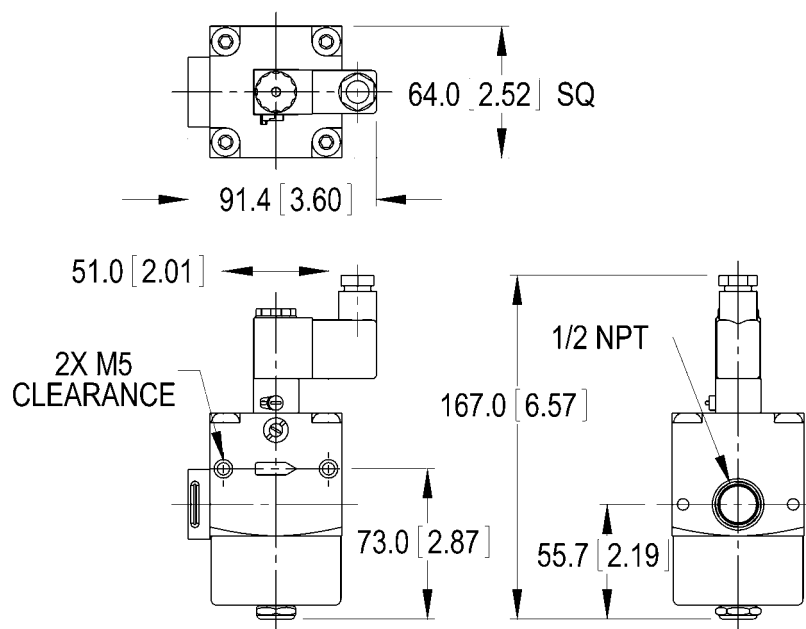
Soft Start/Quick-Vent Valve

- The Soft Start/Quick-Vent Valve is a 3-port, 2-position, normally closed device
- It can be installed in-line with Bimba's Compact Series (20) Air Preparation Equipment using Connector Kit CK20
- This unit controls the increase of downstream pressure upon startup, slowly bringing the system up to full line pressure
- When the pilot signal is removed, the air inlet is blocked and down stream pressure is exhausted
- Output port is 1/2 NPT



Model Number	Description	List Price
AP20-SSV4-24VDC	1/2 NPT, Soft Start/Quick-Vent Valve, 24 volts DC	\$250.00
AP20-SSV4-110VAC	1/2 NPT, Soft Start/Quick-Vent Valve, 110 volts AC	250.00
SC 24VDC	Replacement Solenoid Coil for 24 Volt DC Soft Start Valve	10.00
SC 110VAC	Replacement Solenoid Coil for 110 Volt AC Soft Start Valve	10.00

Dimensions



Accessories

Soft Start/Quick-Vent Valve

Specifications

Operating Pressure Range	35 to 140 psig (2.5 to 10.0 kg/cm ²)
Operating Temperature Range	0° F to 122° F (-10° to 50° C)
Materials of Construction	
Body	Zinc Diecast
Cap, Plug, Piston	Aluminum
Poppet	Brass
Seals	Nitrile
Exhaust Port	3/8" NPT
Solenoid Coil Voltages	
AP20-SSV4-24VDC	24 Volts DC
AP20-SSV4-110VAC	110 Volts 50HZ
Time to achieve full system pressure	Adjustable from 20 to 180 seconds

Operating Instructions

- The valve inlet side is fitted with an adapter, to be held in a modular assembly with Bimba AP20 Series Air Preparation Equipment
- The red lever on the solenoid pilot valve is an override and must be set to exhausting position "O"
- The flat-head adjusting screw on the top cap of the main valve regulates the time to reach full line pressure: minimum 20 seconds, maximum 180 seconds
- When the solenoid valve signal is lost, flow through the soft start valve is blocked, and downstream pressure is exhausted to atmosphere through the exhaust port on the bottom of the unit (3/8 NPT)



Compressed Air Filter How to Order

AP70 - FG 8 A 6 D

Series
AP70

Filter Type
FG - General Purpose

Port Size
8 - 1 NPT
B - 1-1/2 NPT

Drain Type
A - Auto Drain
M - Manual Drain

Filter Element
6 - 5M Bronze
8 - 50M Bronze

Bowl Type
D - Metal Bowl

List Prices

Large Series (70) General Purpose Filters

Base Model	Description	List Price
AP70-FG_M_D	General purpose filter, manual drain, metal bowl with sight glass	\$129.00
Add for options		
A	Automatic drain	\$14.00
Most popular models, typically ship from stock		
AP70-FG_M6D	Manual drain, metal bowl with sight glass, 5M bronze element	129.00
AP70-FG_A6D	Automatic drain, metal bowl with sight glass, 5M bronze element	143.00

Options that do not affect price: Port size, Filter element

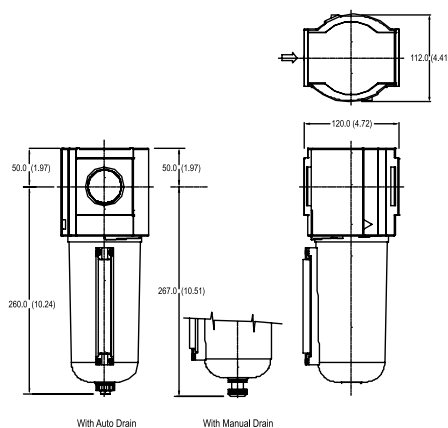
Compressed Air Filter Specifications and Dimensions

Miniature Series
(1/8, 1/4 NPT)

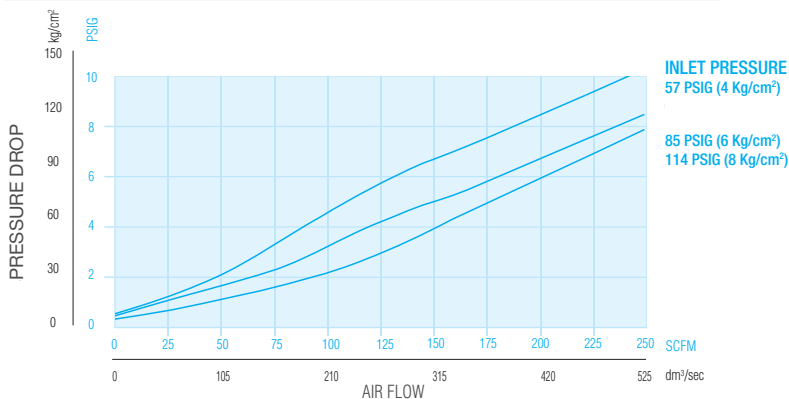
Compact Series
(1/4, 3/8, 1/2 NPT)

Parameters	Specifications
Pipe Threads	1, 1-1/2 NPT
Filter Element Size	5, 50 micron
Element Material	Sintered Bronze
Body Material	Aluminum Alloy Die Cast
Bowl Material	Aluminum Alloy Metal with Sight Glass
Maximum Inlet Pressure	250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	175° F (80° C)
Standard Nominal Flow Rate at 85 psig (6 bar) supply pressure and 14.5 psig (1 bar) pressure drop	1 to 1-1/2 NPT 700 scfm (333 dm ³ /sec)
Drain Types Available	Manual Automatic

Dimensions in mm (inches)



AP70-FG
1-1/2 NPT
Inlet pressure as indicated



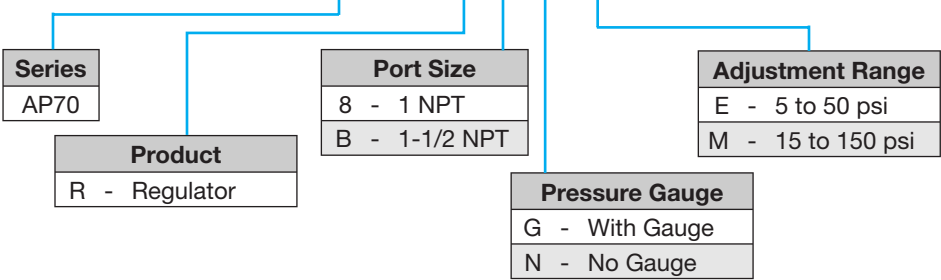
Large Series
(1, 1-1/2 NPT)



Pressure Regulator

How to Order

AP70 - R 8 NM



List Prices

Large Series (70), Air Pressure Regulators

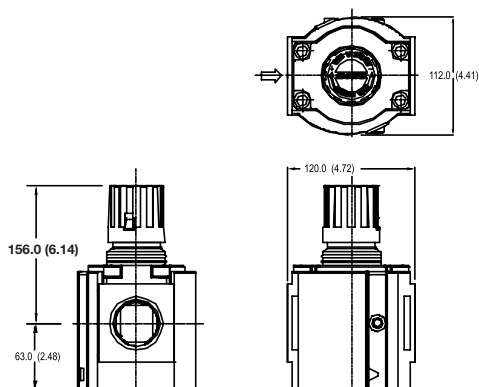
Base Model	Description	List Price
AP70-R_ _ _	Air pressure regulator	\$85.00
Add for options		
G	Pressure gauge	8.50
Most popular models, typically ship from stock		
AP70-R_N_	Regulator, no gauge	85.00
AP70-R_G_	Regulator, with gauge	93.50

Options that do not affect price: Port size, Pressure range

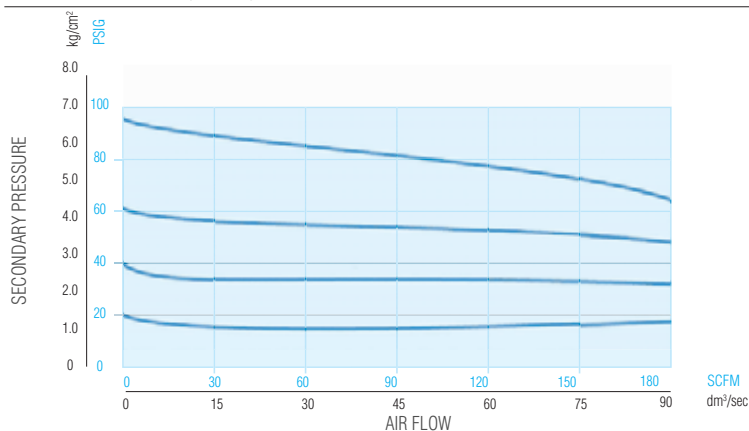
Pressure Regulator Specifications and Dimensions

Parameters	Specifications
Pipe Threads	1, 1-1/2 NPT
Type	Relieving
Body Material	Aluminum Alloy Die Cast
Adjustment	Non-rising Plastic Knob
Maximum Inlet Pressure	300 psig (21.0 kg/cm ²)
Maximum Operating Temperature (ambient)	175° F (80° C)
Regulated Secondary Outlet Pressure	5 to 50 psig 15 to 150 psig
Gauge Size	52 mm OD
Gauge Port Size	1/8 NPT
Standard Nominal Flow Rate at 145 psig (10 bar) supply pressure, 85 psig (6 bar) secondary pressure, 14.5 psig (1 bar) drop	1 to 1-1/2 NPT 440 scfm (210 dm ³ /sec)
Panel Mounting	Nut Included Standard NOTE: 2.28 in. (57.9 mm) diameter hole required for panel mounting

Dimensions in mm (inches)



AP70-R
1-1/2 NPT
Inlet pressure = 140 PSIG (10kg/cm²)





Air Line Lubricator

How to Order

AP70 - L 8 D

Series	Product	Port Size	Bowl Type
AP70	L - Lubricator	8 - 1 NPT B - 1-1/2 NPT	D - Metal Bowl

List Prices

Large Series (70), Air Line Lubricators

Base Model	Description	List Price
AP70-L_ D	Air line lubricator, metal bowl with sight glass	\$120.00
Most popular models, typically ship from stock		
AP70-L_ D	Lubricator, metal bowl with sight glass	120.00

Options that do not affect price: Port size

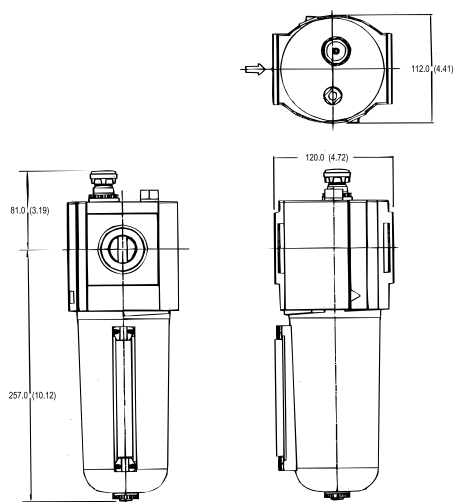
Air Line Lubricator Specifications and Dimensions

Miniature Series
(1/8, 1/4 NPT)

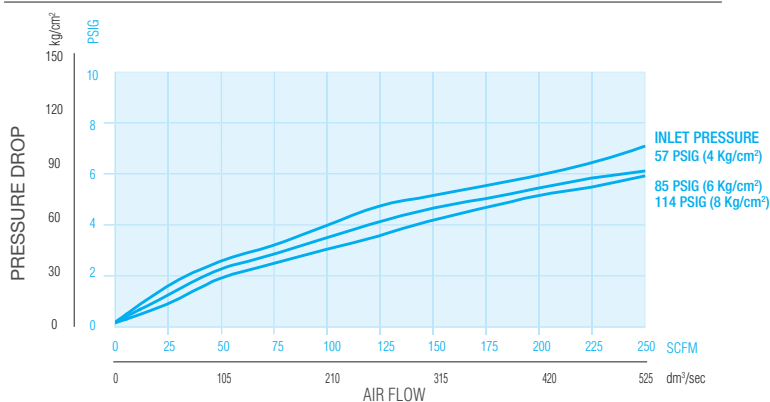
Compact Series
(1/4, 3/8, 1/2 NPT)

Parameters	Specifications
Pipe Threads	1, 1-1/2 NPT
Lubricator Type	Misting Type
Body Material	Aluminum Alloy Die Cast
Bowl Material	Aluminum Alloy Metal with Sight Glass
Bowl Capacity	1 liter
Maximum Inlet Pressure	250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	175° F (80° C)
Standard Nominal Flow Rate at 85 psig (6 bar) supply and 14.5 psig (1 bar) drop	1 to 1-1/2 NPT 410 scfm (195 dm ³ /sec)
Minimum Flow Required to Start at 85 psig (6 bar) inlet	7.2 scfm (3.4 dm ³ /sec)
Recommended Lubricants	Use any misting type oil rated 50 - 200 SSU (ISO grade 7 - 46) at 38° C (100° F)

Dimensions in mm (inches)

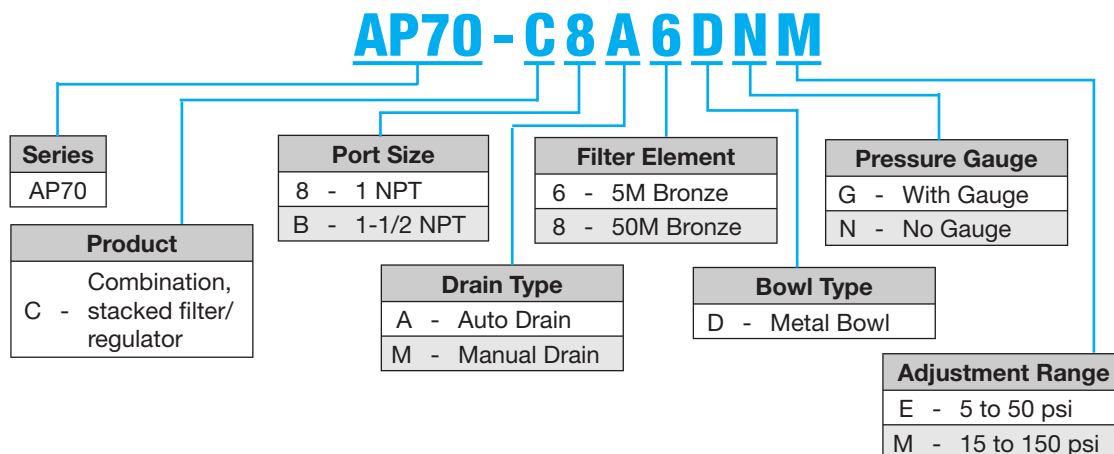


AR70-L
1-1/2 NPT
Inlet pressure as indicated



Large Series
(1, 1-1/2 NPT)

Filter/Regulator Combination Unit How to Order



List Prices

Large Series (70), Combinations F/R Unit

Base Model	Description	List Price
AP70-C_M1DN_	F/R, manual drain, metal bowl with sight glass, 5M bronze element, no gauge	\$160.00
Add for options		
A	Automatic drain	14.00
G	Pressure gauge	8.50
Most popular models, typically ship from stock		
AP70-C_M1DN_	F/R, manual drain, metal bowl, 5M bronze element, no gauge	160.00
AP70-C_A1DN_	F/R, auto drain, metal bowl, 5M bronze element, no gauge	174.00
AP70-C_M1DG_	F/R, manual drain, metal bowl, 5M bronze element, gauge	168.50
AP70-C_A1DG_	F/R, auto drain, metal bowl, 5M bronze element, gauge	182.50

Options that do not affect price: Port size, pressure range, filter element

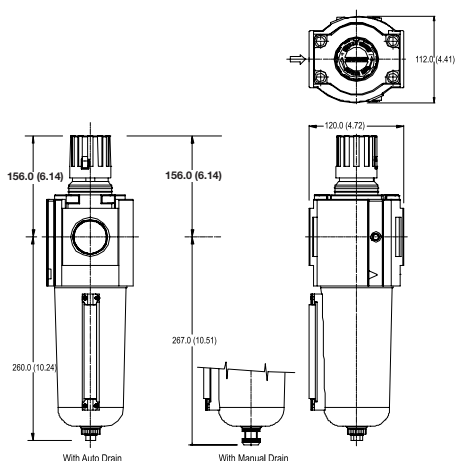
Filter/Regulator Combination Unit Specifications and Dimensions

Miniature Series
(1/8, 1/4 NPT)

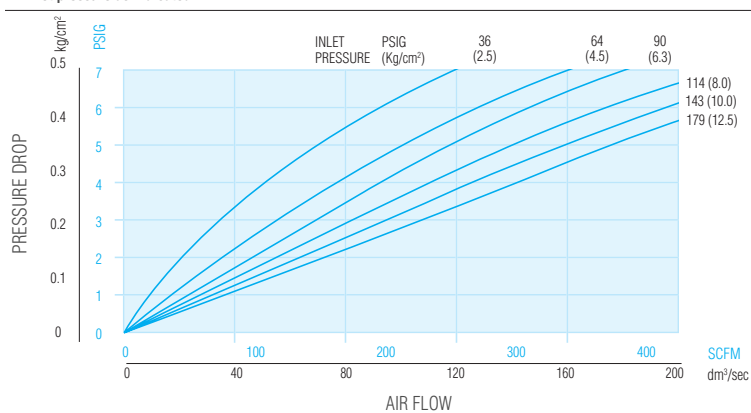
Compact Series
(1/4, 3/8, 1/2 NPT)

Parameters	Specifications
Pipe Threads	1, 1-1/2 NPT
Body Material	Aluminum Alloy Die Cast
Filter Element Size	5, 50 micron.
Filter Element Material	Sintered Bronze
Filter Bowl Material	Aluminum Alloy Metal with sight glass
Maximum Inlet Pressure	250 psig (17.5 kg/cm ²)
Maximum Operating Temperature (ambient)	175° F (80° C)
Standard Nominal Flow Rate (at 10 bar supply pressure, 6 bar secondary pressure, 1 bar drop)	1 to 1-1/2 NPT 420 scfm (200 dm ³ /sec)
Drain Types Available	Manual Automatic
Pressure Adjustment	Non-rising Plastic Knob
Regulated Secondary Outlet Pressure Range	5 to 50 psig 15 to 150 psig
Gauge Size	50 mm OD
Gauge Port Size	1/8 NPT
Panel Mounting	Nut Included Standard NOTE: 2.28 in. (57.9 mm) diameter hole required for panel mounting

Dimensions in mm (inches)



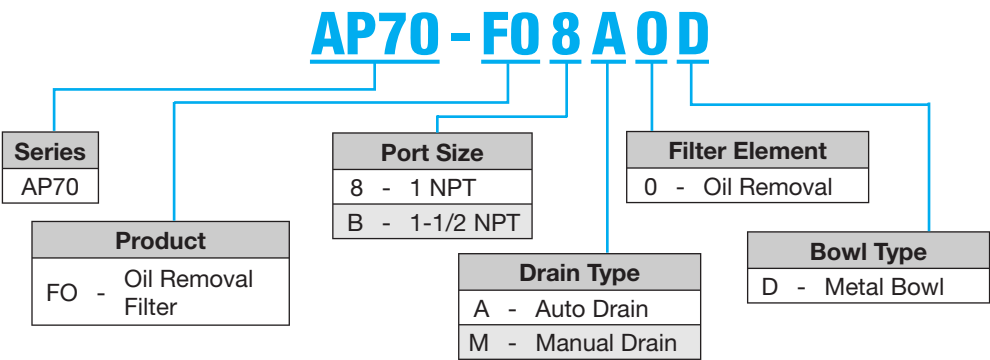
AP70-C
1 NPT
Inlet pressure as indicated



Large Series
(1, 1-1/2 NPT)

Oil Removal Filter

How to Order



List Prices

Large Series (70), Coalescing Filters

Base Model	Description	List Price
AP70-FO_M0P	Coalescing filter, manual drain, metal bowl with sight glass	\$220.00
Add for options		
A	Automatic drain	14.00
Most popular models, typically ship from stock		
AP70-FO_M0D	Coalescing filter, manual drain, metal bowl	220.00
AP70-FO_A0D	Coalescing filter, automatic drain, metal bowl	234.00

Options that do not affect price: Port size

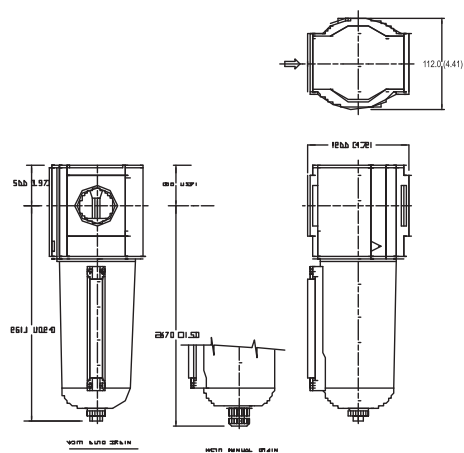
Oil Removal Filter Specifications and Dimensions

Miniature Series
(1/8, 1/4 NPT)

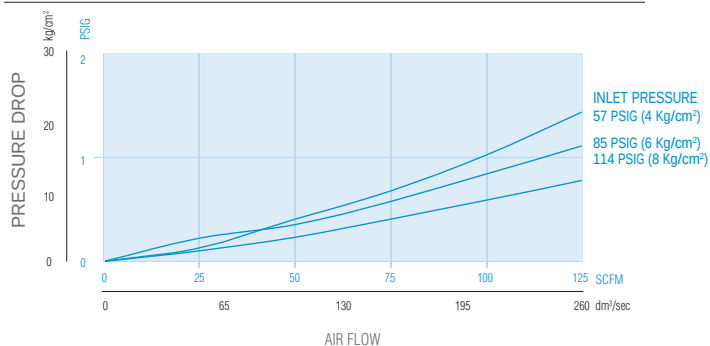
Compact Series
(1/4, 3/8, 1/2 NPT)

Parameters	Specifications
Pipe Threads	1, 1-1/2 NPT
Element Material	Synthetic Fibre and Polyurethane Foam
Body Material	Aluminum Alloy Die Cast
Bowl Material	Aluminum Alloy Metal with Sight Glass
Maximum Inlet Pressure	250 psig (17.5 kg/cm ²)
Operating Temperature Range (ambient)	20° F (-6° C) to 175° F (80° C)
Recommended Flow (at an inlet pressure of 7 kg/cm ²)	120 scfm (57 dm ³ /sec)
Particle Removal	Up to 0.01 micron
Maximum Oil Removal Content	Up to 0.01 ppm at +21° C
Drain Types Available	Manual Automatic
Note: Recommended	Use Pre-Filter with 5 micron Element

Dimensions in mm (inches)



AP70-FO
1-1/2 NPT
Inlet pressure as indicated



Large Series
(1, 1-1/2 NPT)

Accessories

Pressure Gauge	
PG-4 (0-60)	\$8.50
PG-5 (0-220)	8.50

50mm OD
Gauge



Panel Mount Nut	
PN70	\$20.00

Nut to Panel
Mount
AP70-R and
AP70-C



Connector Kit	
CK70	\$17.00

Interconnect
Series 70 Units

