

Reading Technologies, Inc.

Advanced Air System Technology[®]

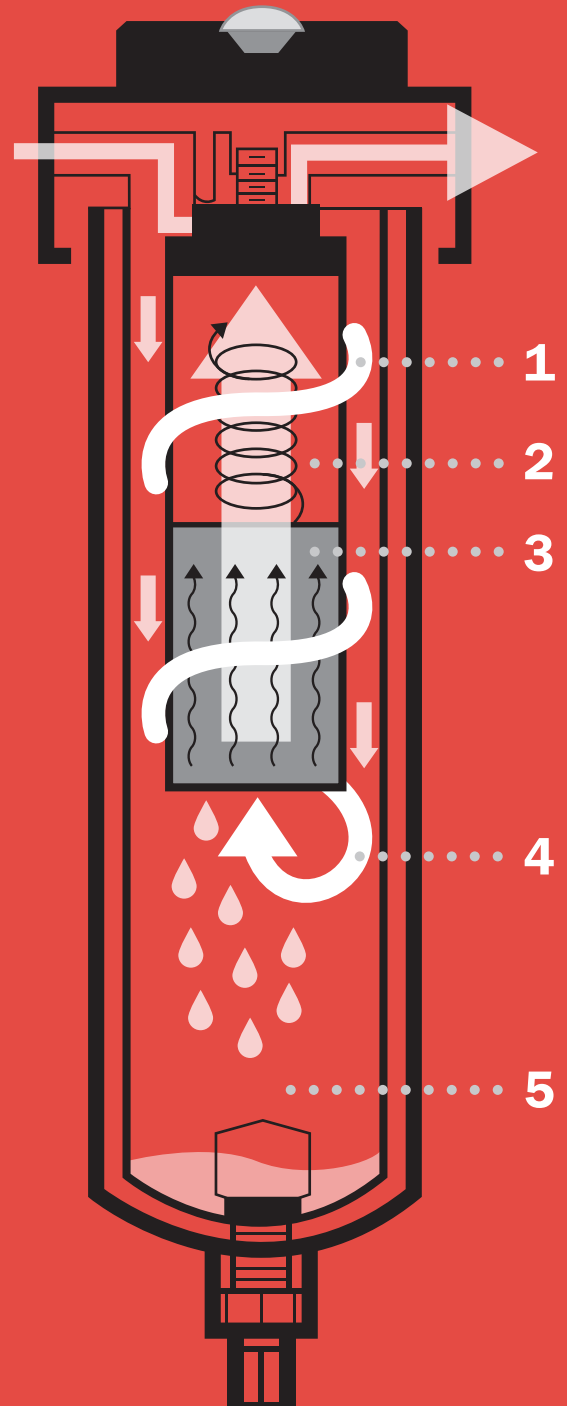


Why RTi?

Reading Technologies, Inc. has been at the forefront of advanced air system technology since 1986. Our innovations include compressor room desiccant and refrigerated dryers, mainline separators/coalescers, point-of-use dryers, and filter/regulator/lubricator units. Below is an explanation of how RTi uses its patented Inverse-Flow® Technology to give you the best clean, dry air for your painting needs.

INVERSE-FLOW® TECHNOLOGY

- 1 Centrifugal Spinning**
Water, dirt, and oil contaminants are spun in a downward circular motion through the air. The spinning action forces heavy particles outward, towards the drain.
- 2 Final Filter Media**
Our elements are composed of interwoven cotton, polyester, and stainless steel. The filter captures excess sub-micron water droplets. Cotton holds the water particles and allows them to re-enter the air stream as harmless vapor. Filtration to 1.0 micron.
- 3 Stainless Steel Element**
Pre-cleaned air enters a filter media composed of finely interwoven stainless steel mesh wires. The striated surface efficiently holds aerosols and liquid droplets, which then fall into the drain area. Filtration to 3.0 micron.
- 4 Inverse-Flow®**
RTi's Inverse-Flow® process creates a condition where the air, spinning in a downward circular motion, changes direction 180° and begins to flow vertically upward. The contaminants are not capable of reversing direction and must separate from the air flow. This process prevents re-entrainment of contamination, which can occur in other filter systems.
- 5 Bowl and Drain Options**
Bowls—metal or polycarbonate with metal guards. Drains—automatic float, manual, or electronic options.



Efficiency. Productivity. Reliability.

Their 5 micron Nominal 1st stage Pre-filter:

Single stage pre-filter cartridge

Nominally rated cartridge removes particles as small as 5 micron. Designed primarily as a particulate filter, it's typically unable to stop slugs of water and oil present in compressed air systems. Also, what the competition fails to mention is that the cartridge will not filter all particles 5 micron and larger. In fact, their nominally rated 5 micron filter is, in reality, a 15 micron absolute rated filter.

The problem? 50% of the contaminants in a typical compressed air system, by weight alone, are less than 1 micron in size. This means that if one were to measure the total count of contaminants, 95-99% of the contaminants present in most compressed air systems are less than 1 micron. Therefore, the remaining particles in the 1-50 micron range, called dispersion aerosols, only account for roughly 1-5% of the total contaminants in a compressed air system.

End result? Grossly inadequate pre-filtration to the 0.01 micron coalescer.

VS.

RTi's Advanced 1st stage Separator/Coalescer/Pre-filter:

Eliminizer®/1st stage

Our systems use a patented multi-stage separation technology to yield high-efficiency removal of all bulk liquids, while providing absolute (99% and 99.9%) particulate removal on particles 0.9 micron and 1 micron, respectively.

Advantage? The Eliminizer® Combo 1st stage removes 99% of the sub-micronic particulates which will shorten the life of high-efficiency 0.01 micron coalescers.

End result? RTi's 1st stage Separator/Coalescer/Pre-filter provides our advanced 2nd stage coalescer with virtually particulate-free air, while removing all water, bulk liquids, and slugs. Therefore, our 0.01 micron coalescer is free to remove only the sub-micronic oil aerosols while maintaining high flow rates and low pressure drops.

.....

Their 0.01 micron Coalescer:

2nd stage High-Efficiency Coalescer

Removes 99.99% of DOP aerosols and dirt particles down to 0.01 micron. However, due to inadequate pre-filtration, element life can be shortened considerably. Also, because moisture slugs can by-pass the pre-filter, the 0.01 micron cartridge will experience surges in pressure drop across the element. In addition, conventional 0.01 micron coalescers are not designed to filter slugs of oil and water moisture, and where slugs are present, liquid carryover is very common.

Media: Flat-stock, wrapped media around a center core. Process is not conducive to tapered pore structure. The pore structure created by the conventional wrapping technique typically results in increased operating pressure drops and shortened element life.

Support Core: "Stainless" steel can oxidize and corrode in moisture.

Endcaps: Epoxy bonded to element, potential for particle by-pass.

Foam Drain Layer: Conventional polyurethane foams have had problems in the past with degradation from synthetic lubricants. Also, they tend to hold moisture, which can increase the potential for re-entrainment.

VS.

RTi's Sophisticated 0.01 micron Coalescer:

Eliminizer®/Combo 2nd stage 0.01 micron Coalescer

Removes 99.99% of DOP aerosols and 99.9999% of dirt particles down to 0.01 micron.

Advantage? You will see particulate and water free influent air, allowing the cartridge to serve its primary function: to remove all remaining sub-micron oil aerosols, without the presence of solid particulates which can shorten its life.

End result? Oil free, water free, dirt free compressed air with long, enhanced element life.

Media: Seamless, formed tube with tapered pole structure. **Advantage?** Allows for true depth loading of particulates and reduces operating pressure drops as much as 20-30%, reducing work load on compressor.

Support Core: Scientifically advanced industrial polymeric supports.

Advantage? Withstand high differential pressures with no rust or corrosion.

Endcaps: Injection-molded engineering grade resin, fusion bonded to media and polymeric support cores.

Advantage? Creates integral bond to assure zero particle by-pass between media and endcaps.

Drain Layer: Sophisticated polymeric composition creates non-wicking feature.

Advantage? Allows coalesced aerosols to drain to bottom of housing without aerosol re-entrainment. Also, RTi's drain layer is highly compatible with synthetic lubricants.

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Dew Point Reduction

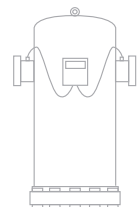
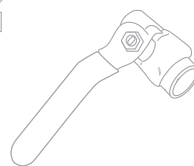
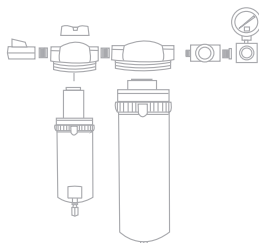
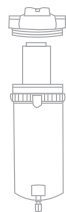
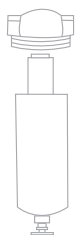
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Choosing the Right Filter: Overview

Eliminex®

Description: RTi's patented Inverse-Flow® filter-dryer with all stainless steel mesh filter packing. Excellent water and dirt capture to 3 microns. ISO Class 3 for Particulate.

Port Size Range: ½" NPT to 6" ASA (150#) Flange

Flow Range: 60 SCFM to 5500 SCFM @ 100 PSI

Applications: Generally used in main lines and in heavy duty service where heavy water removal is needed. Good for outdoor service where freezing temperatures can be encountered.

Eliminex® Combo

Description: Two (2) stage assembly which combines an Eliminex® separator/filter with a high efficiency coalescer to give superior oil and fine particulate capture, in addition to heavy water removal. 99.99998% efficient at 0.01 micron. ISO Class 1 for Particulate/Oil.

Port Size Range: ½" NPT to 6" ASA (150#) Flange

Flow Range: 60 SCFM to 3000 SCFM @ 100 PSI

Applications: Generally used in main lines and in heavy duty service where heavy water, dirt, and oil removal is needed.

Eliminizer®

Description: RTi's patented Inverse-Flow® filter-dryer with two (2) stage filter packing: stainless steel mesh and cotton/polyester. Excellent water and dirt capture to 1 micron. ISO Class 2 for Particulate.

Port Size Range: ¼" NPT to 1" NPT

Flow Range: 20 SCFM to 150 SCFM @ 100 PSI

Applications: Generally used at point-of-use and in heavy duty service where heavy water and dirt removal is needed.

Eliminizer® Combo

Description: Two (2) stage assembly which combines an Eliminizer® filter-dryer with a high efficiency coalescer to give superior oil and fine particulate capture, in addition to heavy water removal. 99.99998% efficient at 0.01 micron. ISO Class 1 for Particulate/Oil.

Port Size Range: ¼" NPT to 1" NPT

Flow Range: 20 SCFM to 150 SCFM @ 100 PSI

Applications: Generally used at point-of-use and in heavy duty service where heavy water, dirt, and oil removal is needed.

Coalescer

Description: High efficiency coalescer, 99.99998% efficient at 0.01 micron, with anti-re-entrainment layer for low oil carryover. ISO Class 1 for Particulate/Oil.

Port Size Range: ¼" NPT to 6" ASA (150#) Flange

Flow Range: 20 SCFM to 3000 SCFM @ 100 PSI

Applications: Generally used in mainlines or at point-of-use, where oil and/or fine particulate capture is required.

Oil Extractor

Description: RTi's patented Inverse-Flow® filter-dryer with four (4) stage filter packing, including an activated carbon packing backed by a cotton/polyester packing. Excellent water, dirt, and oil aerosol capture to 1 micron. ISO Class 1 for Particulate/Oil.

Port Size Range: ¼" NPT to 1" NPT

Flow Range: 60 SCFM to 150 SCFM @ 100 PSI

Applications: Generally used at point-of-use and in heavy duty service where heavy water, dirt, and oil removal is needed. Can be used in combination with a coalescer (see below) to get a higher efficiency filtration (to 0.01 micron).

Oil Extractor Combo

Description: Two (2) stage assembly which combines an oil extractor with a high efficiency coalescer to give the best oil and fine particulate capture, in addition to heavy water removal. 99.99998% efficient at 0.01 micron and to 0.003 PPM. ISO Class 1 for Particulate/Oil.

Port Size Range: ¼" NPT to 1" ASA (150#) Flange

Flow Range: 60 SCFM to 150 SCFM @ 100 PSI

Applications: Generally used at point-of-use where heavy water, dirt, oil, and oil aerosol removal is needed.

Choosing the Right Filter: By Contaminant

Determine the right filter, and the page you can find it on in this guide -- organized by contaminant/filtration capacity.

	System	Filtration/ Dew Point	Contamination				
			Moisture		Particulate (Dirt)	Oil	Odor
			Water	Dew Point Suppression			
Compressor Room/ Mainline	Eliminex®	3.0 micron	•		•		
	Coalescer	0.01 micron			•	•	
	Eliminex® Combo	0.01 micron	•		•	•	
	Refrigerated Dryers	38 °F		•			
Point-of-use Application	Eliminizer®	1.0 micron	•		•		
	Coalescer	0.01 micron			•	•	
	Eliminizer® Combo	0.01 micron	•		•	•	
	Oil Extractor Combo	0.01 micron	•		•	•	•
	Desiccant Dryers	-40 °F		•			
	High Pressure Eliminizer®	1.0 micron	•		•		
	High Pressure Coalescer	0.01 micron			•	•	
	High Pressure Eliminizer® Combo	0.01 micron	•		•	•	
	Food Grade Eliminizer®	1.0 micron	•		•		
	Food Grade Coalescer	0.01 micron			•	•	
	Food Grade Oil Extractor Combo	0.01 micron	•		•	•	•
	Stainless Steel Eliminizer®	1.0 micron	•		•		
	Stainless Steel Coalescer	0.01 micron			•	•	
	Stainless Steel Oil Extractor Combo	0.01 micron	•		•	•	•

Choosing the Right Filter: Compressed Air Quality Standards

The Compressed Air Quality Standard: ISO 8573.1

We follow air quality standards as defined by ISO -- the International Standards Organization.

These internationally recognized standards for air quality and product design categorize our products into different ISO Classes by contaminant type (water, dirt, oil) and air quality levels.

Class	Solid Particulates (Dirt) (maximum number of particles per m ³)			Water Pressure Dewpoint (°F)	Oil Solids & Vapor (mg/m ³)
	0.1-0.5 micron	0.5-1.0 micron	1.0-5.0 micron		
1	100	1	0	-94.0	0.01
2	100,000	1,000	10	-40.0	0.1
3		10,000	500	-4.0	1.0
4			1,000	37.4	5.0

see Product Pages for ISO Classes

Why should I care about the quality of my compressed air?

Clean, dry air is important--whatever the application may be.
In air powered production systems, components are affected by contamination:

Overall...



Cost, energy
consumption,
production
downtime

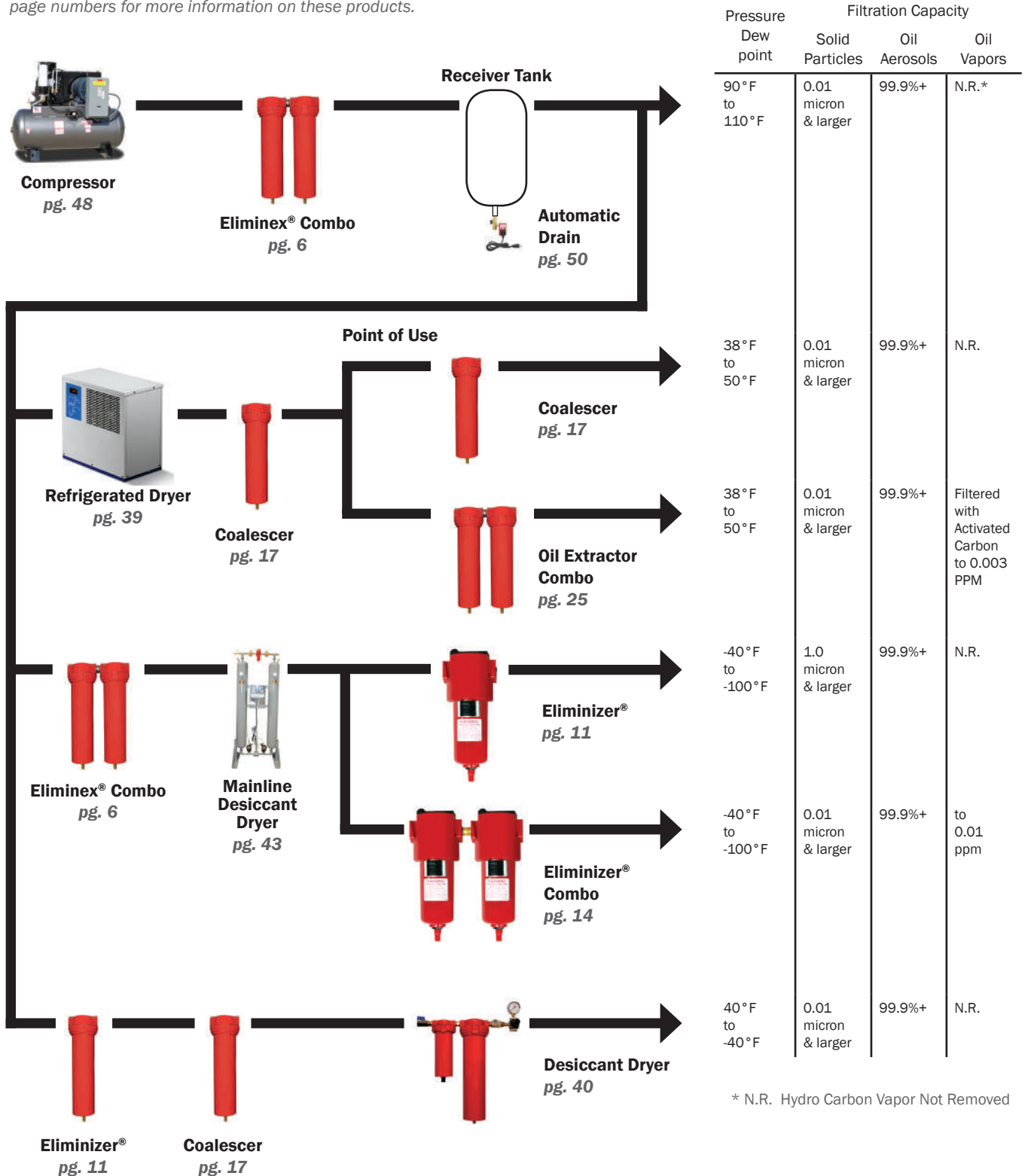


Quality of
production/
product

Device	Effects		
	Water (Moisture)	Particulate	Oil
Piping	<ul style="list-style-type: none"> • rust & scale 	<ul style="list-style-type: none"> • component failure 	<ul style="list-style-type: none"> • component failure
Air Cylinders	<ul style="list-style-type: none"> • reduced component life • lubricant wash-out • component failure 	<ul style="list-style-type: none"> • poor sealing of piston rod • reduced service life 	<ul style="list-style-type: none"> • reduced component life
Air Valves	<ul style="list-style-type: none"> • sticking spools • coil failure • lubricant wash-out 	<ul style="list-style-type: none"> • seal failure • clogged mufflers 	<ul style="list-style-type: none"> • reduced component life • swollen seals • valve failure
Pneumatic Positioners	<ul style="list-style-type: none"> • IP & EP failure • valve failure • positioning problems 	<ul style="list-style-type: none"> • clogged orifices • equipment malfunction 	<ul style="list-style-type: none"> • seal failure
Spraying Equipment	<ul style="list-style-type: none"> • poor curing • loss of gloss • poor color match 	<ul style="list-style-type: none"> • increased cutting & buffing 	<ul style="list-style-type: none"> • fish eyes • poor quality finish
Air Tools	<ul style="list-style-type: none"> • internal corrosion • lubricant wash-out 	<ul style="list-style-type: none"> • internal wear • seal failure 	<ul style="list-style-type: none"> • swollen seals
Air Motors Air Bearings	<ul style="list-style-type: none"> • catastrophic failure • reduced efficiency 	<ul style="list-style-type: none"> • clogged orifices • reduced efficiency 	<ul style="list-style-type: none"> • inaccurate measurements • instrumentation error
Laser Cutters Plasma Cutters	<ul style="list-style-type: none"> • tip failure • poor surface finish 	<ul style="list-style-type: none"> • clogged orifices 	<ul style="list-style-type: none"> • tip failure • mirror coating

Which system is right for you?

Compressed air systems can be designed to meet customer requirements. RTi can assist in your specification process to determine the most cost-effective, practical design for your individual applications. Be sure to view the corresponding page numbers for more information on these products.



Understanding the Product Pages

Product title.

120/175/250 SCFM Eliminox®

Specifications

Port Sizes	½", ¾", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	120/175/250 SCFM @ 100 PSIG
Filter Capacity	3.0 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175°F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125°F/150 PSIG
Approx. Weight (lb.)	6.0
ISO Class	3 Particulate

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125°F and 150 PSIG, regardless of bowl material.

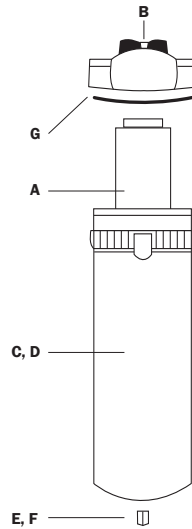


Water
Dirt
Oil
Oil Vapor
Odor

Items in **bold** indicate contaminants that are filtered by the unit.

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	1P-120/1P-175/1P-250
B Differential Pressure Indicator	N32-W1-DPI
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-15-180
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
E Manual Brass Petcock Drain	PC-03
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-256



Replacement Parts & Accessories: Letters on the part breakdown correspond to the adjacent chart for easy reference.

Order Guide

	Port Size	Model Number						Dimensions (in.)	
		Metal Bowl			Poly Bowl			Height**	
		Low Flow	Med Flow	High Flow	Low Flow	Med Flow	High Flow	Metal	Poly
Manual Drain	½"	1P-120-M04-P	1P-175-M04-P	1P-250-M04-P	1P-120-P04-P	1P-175-P04-P	1P-250-P04-P	17.0	14.0
	¾"	1P-120-M06-P	1P-175-M06-P	1P-250-M06-P	1P-120-P06-P	1P-175-P06-P	1P-250-P06-P	Width	Depth
	1"	1P-120-M08-P	1P-175-M08-P	1P-250-M08-P	1P-120-P08-P	1P-175-P08-P	1P-250-P08-P		
Auto Drain	½"	1P-120-M04-F	1P-175-M04-F	1P-250-M04-F	1P-120-P04-F	1P-175-P04-F	1P-250-P04-F	Height**	
	¾"	1P-120-M06-F	1P-175-M06-F	1P-250-M06-F	1P-120-P06-F	1P-175-P06-F	1P-250-P06-F	Metal	Poly
	1"	1P-120-M08-F	1P-175-M08-F	1P-250-M08-F	1P-120-P08-F	1P-175-P08-F	1P-250-P08-F		

*Poly bowls come with metal bowl guard
**To add an indicator, add "I" to end of model number (Indicator adds about 1" to height)

The Order Guide: Choose the right model for your application—narrow down your choices by: port size, bowl material (metal/polycarbonate), drain style, or flow capacity (SCFM). Dimensions also included.

Literature Sheet: i008, i070

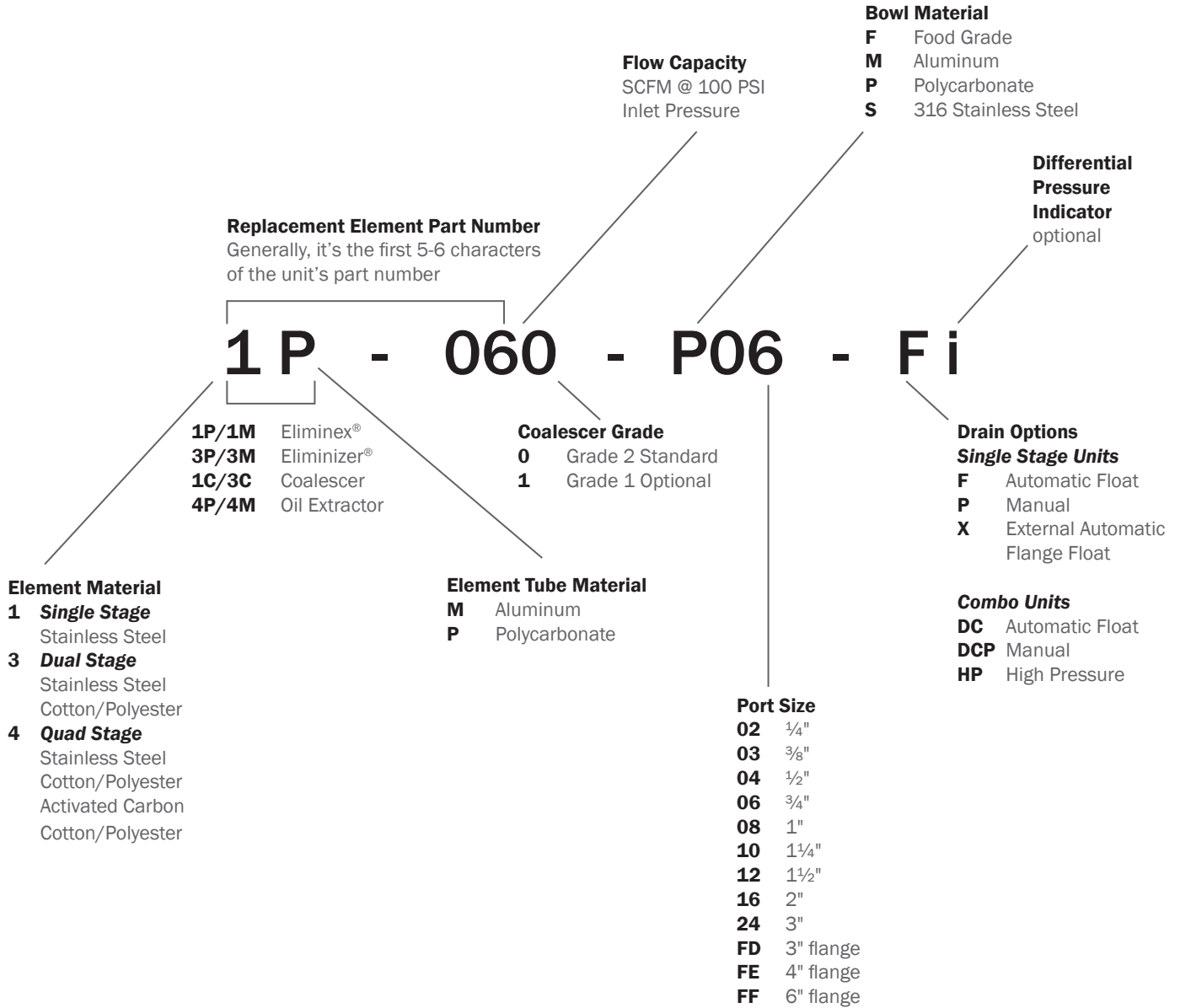
Literature Sheets: Sheet numbers that correspond with sheets on RTI's Industrial website. The sheets are informative pieces on the selected items. They can be found under **Literature Downloads, Product Sheets.**

Can't find the information you need on the page? Call us for more information or visit our website for downloadable PDFs & literature on our products.

Don't ignore the fine print! It lets you know about additional models, parts, optional items, and recommended specifications for certain products.

Industrial Numbering System

Below is a guide to understanding the model numbers of our product lines found on the following pages.



Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Filter Capacity	3.0 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	3.5
ISO Class	3 Particulate

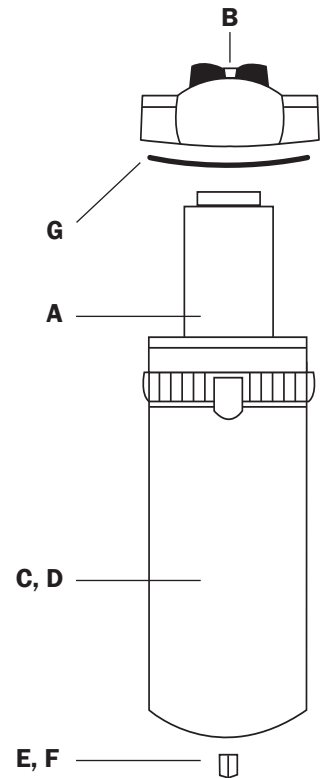
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
Dirt
Oil
Oil Vapor
Odor

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	1P-060
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-95-205
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-95-201
D Bowl Assembly: Poly Bowl & Manual Petcock Drain*	N32-15-163
D Bowl Assembly: Poly Bowl & Auto Float Drain*	N32-15-164
E Manual Brass Petcock Drain	PC-02/PC-03
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-257



Order Guide

	Port Size	Model Number	
		Metal Bowl	Poly Bowl
Manual Drain	1/4"	1P-060-M02-P	1P-060-P02-P
	3/8"	1P-060-M03-P	1P-060-P03-P
	1/2"	1P-060-M04-P	1P-060-P04-P
Automatic Drain	1/4"	1P-060-M02-F	1P-060-P02-F
	3/8"	1P-060-M03-F	1P-060-P03-F
	1/2"	1P-060-M04-F	1P-060-P04-F

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
10.0	10.0	3.9	3.9
10.0	10.0	3.9	3.9
10.0	10.0	3.9	3.9
10.0	10.5	3.9	3.9
10.0	10.5	3.9	3.9
10.0	10.5	3.9	3.9

*Poly bowls come with metal bowl guard

**To add an indicator, add "I" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	120/175/250 SCFM @ 100 PSI
Filter Capacity	3.0 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	6.0
ISO Class	3 Particulate

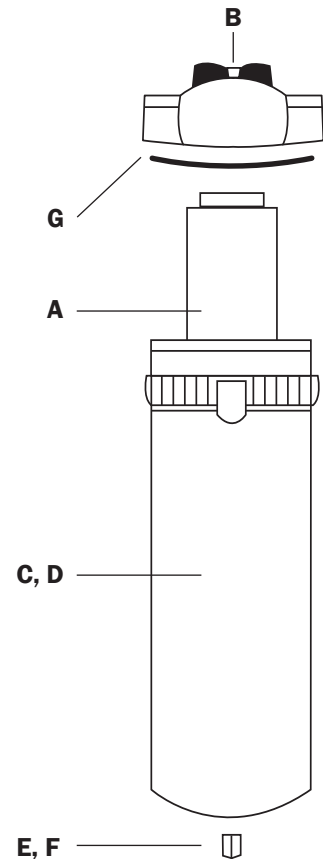
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C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
E Manual Brass Petcock Drain	PC-03
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-256



Order Guide

	Port Size	Model Number						Dimensions (in.)	
		Metal Bowl			Poly Bowl			Height**	
		Low Flow	Med Flow	High Flow	Low Flow	Med Flow	High Flow	Metal	Poly
Manual Drain	1/2"	1P-120-M04-P	1P-175-M04-P	1P-250-M04-P	1P-120-P04-P	1P-175-P04-P	1P-250-P04-P	17.0	14.0
	3/4"	1P-120-M06-P	1P-175-M06-P	1P-250-M06-P	1P-120-P06-P	1P-175-P06-P	1P-250-P06-P	Width	Depth
	1"	1P-120-M08-P	1P-175-M08-P	1P-250-M08-P	1P-120-P08-P	1P-175-P08-P	1P-250-P08-P	4.6	4.8
Auto Drain	1/2"	1P-120-M04-F	1P-175-M04-F	1P-250-M04-F	1P-120-P04-F	1P-175-P04-F	1P-250-P04-F	Height**	
	3/4"	1P-120-M06-F	1P-175-M06-F	1P-250-M06-F	1P-120-P06-F	1P-175-P06-F	1P-250-P06-F	Metal	Poly
	1"	1P-120-M08-F	1P-175-M08-F	1P-250-M08-F	1P-120-P08-F	1P-175-P08-F	1P-250-P08-F	17.0	14.5

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

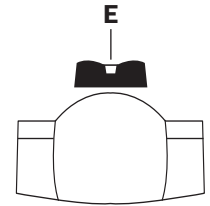
Specifications

Port Sizes	1¼", 1½", 2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	300/400/700 SCFM @ 100 PSI
Filter Capacity	3.0 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 ° F/200 PSIG
Approx. Weight (lb.)	30.0
ISO Class	3 Particulate

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 ° F and 150 PSIG, regardless of bowl material.

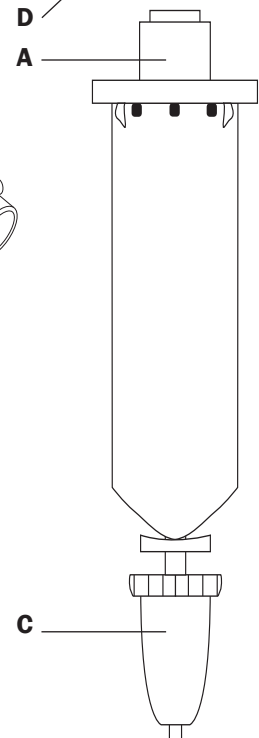
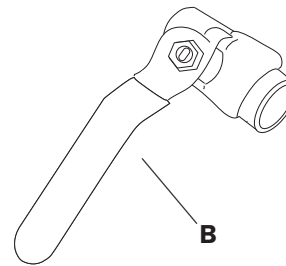


Water
Dirt
Oil
Oil Vapor
Odor



Replacement Parts & Accessories

Description	Part Number
A Replacement Element	1M-300/1M-400/1M-700
B Manual Petcock Drain, Ball Valve	BV-051
C External Automatic Float Drain	N32-95-XD8
D Bowl O-ring	N32-F35-OR
E Differential Pressure Indicator (Optional)	N32-W1-DPi



Order Guide

	Port Size	Model Number		
		Low Flow	Med Flow	High Flow
Manual Drain	1¼"	1M-300-M10-P	1M-400-M10-P	1M-700-M10-P
	1½"	1M-300-M12-P	1M-400-M12-P	1M-700-M12-P
	2"	1M-300-M16-P	1M-400-M16-P	1M-700-M16-P

Dimensions (in.)		
Height*	Width	Depth
29.4	7.8	7.8
29.4	7.8	7.8
29.4	7.8	7.8

External Automatic Drain	1¼"	1M-300-M10-F	1M-400-M10-F	1M-700-M10-F
	1½"	1M-300-M12-F	1M-400-M12-F	1M-700-M12-F
	2"	1M-300-M16-F	1M-400-M16-F	1M-700-M16-F

32.0	7.8	7.8
32.0	7.8	7.8
32.0	7.8	7.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	3"
Thread Styles	NPT
Flow Capacity	1200 SCFM @ 100 PSI
Filter Capacity	3.0 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG (manual drain) 175 °F/150 PSIG (float drain)
Approx. Weight (lb.)	38.0
ISO Class	3 Particulate

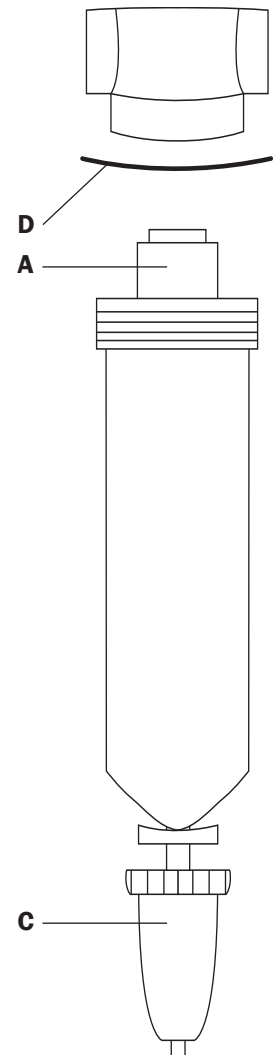
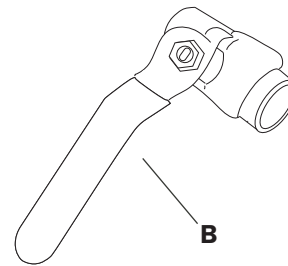
For higher pressure units, consult factory.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	1M-1200
B Manual Petcock Drain, Ball Valve	BV-051
C External Automatic Float Drain	N32-95-XD8
D Bowl O-ring	PHC-032



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	3"	1M-1200-M24-P	40.0	8.0	7.3
External Auto Drain	3"	1M-1200-M24-F	44.0	8.0	7.3

Specifications

Port Sizes	3", 4", 6" RFSO
Connection	Raised face 150# Flange
Flow Capacity	2500/5500 SCFM @ 100 PSI
Filter Capacity	3.0 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Epoxy Coated Carbon Steel)	150 °F/200 PSIG
Approx. Weight (lb.)	300.0/310.0/450.0
ISO Class	3 Particulate

For higher pressure applications, consult factory. Units equipped with an external auto drain have max. temperature and pressure of 150 °F and 150 PSIG.

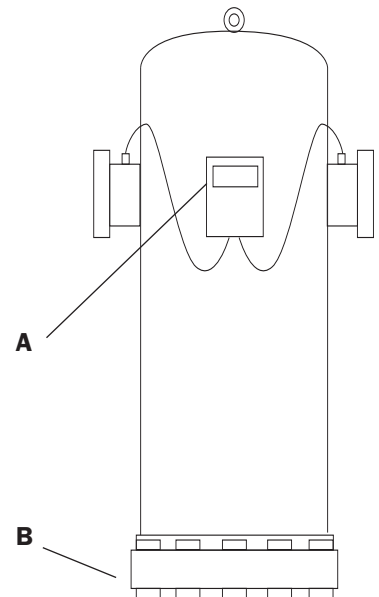


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Replacement Parts & Accessories

Description	Part Number
A Differential Pressure Indicator	N32-P2-DPI
B External Automatic Float Drain	N32-95-XD8
Manual Petcock Drain, Ball Valve	BV-051
Replacement Element	1X-2500/1X-5500

Note:
All 1M-2500 units require a minimum of 25" clearance between bottom of housing and floor for installation.
All 1M-5500 units require a minimum of 36" clearance between bottom of housing and floor for installation.



Order Guide

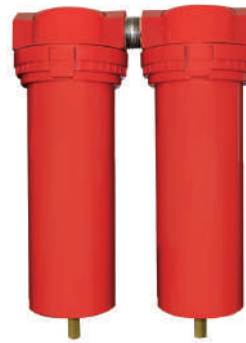
	Port Size	Model Number (ASME Vessel)	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	3"	1M-2500-MFD-P	50.2	20.0	16.0
	4"	1M-2500-MFE-P	50.2	20.0	16.0
	6"	1M-5500-MFF-P	68.0	23.4	19.0
External Automatic Drain	3"	1M-2500-MFD-X	54.2	20.0	16.0
	4"	1M-2500-MFE-X	54.2	20.0	16.0
	6"	1M-5500-MFF-X	72.0	23.4	19.0

Indicator is included as standard with these powder coated steel units.

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 2.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	7.0
ISO Class	1 Particulate/Oil

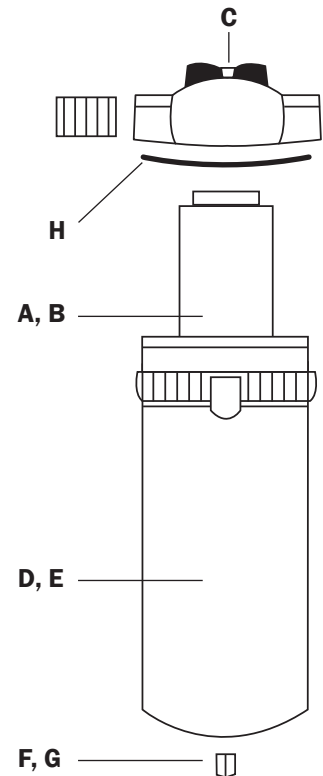
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	1P-060
B Replacement Element, 2nd Stage	3C-060
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-95-205
D Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-95-201
E Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-163
E Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-164
F Manual Brass Petcock Drain	PC-02
G Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
G Automatic Brass Float Drain	N32-95-978
H Bowl O-ring	N32-95-257



Order Guide

	Port Size	Model Number	
		Metal Bowl	Poly Bowl
Manual Drain	1/4"	1P-060-M02-DCP	1P-060-P02-DCP
	3/8"	1P-060-M03-DCP	1P-060-P03-DCP
	1/2"	1P-060-M04-DCP	1P-060-P04-DCP
Automatic Drain	1/4"	1P-060-M02-DC	1P-060-P02-DC
	3/8"	1P-060-M03-DC	1P-060-P03-DC
	1/2"	1P-060-M04-DC	1P-060-P04-DC

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
10.0	10.0	8.0	3.9
10.0	10.0	8.0	3.9
10.0	10.0	8.0	3.9
10.0	10.5	8.0	3.9
10.0	10.5	8.0	3.9
10.0	10.5	8.0	3.9

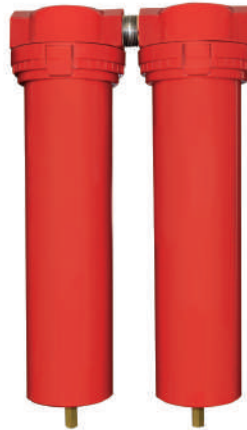
*Poly bowls come with metal bowl guard

**To add an indicator, add "I" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90/150/250 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 2.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	12.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.

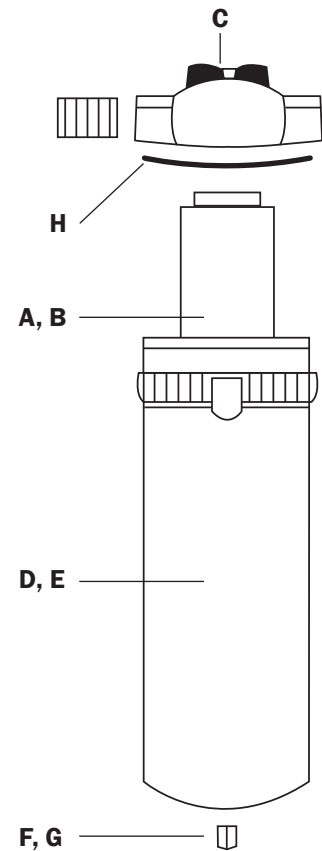


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	Dimensions (in.)			
	Height**		Width	Depth
	Metal	Poly		
Manual Drain	17.0	14.0	10.0	4.6
Auto Drain	17.0	14.5	10.0	4.6

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	1P-090/1P-150/1P-250
B Replacement Element, 2nd Stage	3C-090/3C-150/3C-250
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-15-180
D Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
E Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
E Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
F Manual Petcock Drain (Metal Bowl)	PC-03
F Manual Petcock Drain (Poly Bowl)	N32-95-182
G Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
G Automatic Brass Float Drain	N32-95-978
H Bowl O-ring	N32-95-256



Order Guide

	Port Size	Model Number				
		Metal Bowl			Poly Bowl	
		Low Flow	Med Flow	High Flow	Low Flow	Med Flow
Manual Drain	1/2"	1P-090-M04-DCP	1P-150-M04-DCP	1P-250-M04-DCP	1P-090-P04-DCP	1P-150-P04-DCP
	3/4"	1P-090-M06-DCP	1P-150-M06-DCP	1P-250-M06-DCP	1P-090-P06-DCP	1P-150-P06-DCP
	1"	1P-090-M08-DCP	1P-150-M08-DCP	1P-250-M08-DCP	1P-090-P08-DCP	1P-150-P08-DCP
Auto Drain	1/2"	1P-090-M04-DC	1P-150-M04-DC	1P-250-M04-DC	1P-090-P04-DC	1P-150-P04-DC
	3/4"	1P-090-M06-DC	1P-150-M06-DC	1P-250-M06-DC	1P-090-P06-DC	1P-150-P06-DC
	1"	1P-090-M08-DC	1P-150-M08-DC	1P-250-M08-DC	1P-090-P08-DC	1P-150-P08-DC

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Literature Sheet: i002, i034

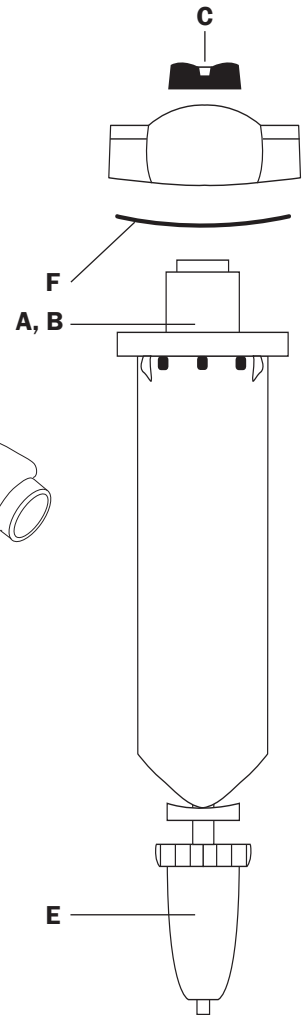
Specifications

Port Sizes	1¼", 1½", 2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	300/400/700 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 2.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 ° F/200 PSIG
Approx. Weight (lb.)	58.0/60.0/64.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 ° F and 150 PSIG, regardless of bowl material.

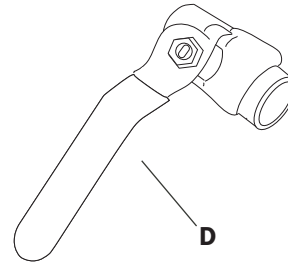


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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	1M-300/1M-400/1M-700
B Replacement Element, 2nd Stage	3C-300/3C-400/3C-700
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Manual Petcock Drain, Ball Valve	BV-051
E External Automatic Float Drain	N32-95-XD8
F Bowl O-ring	N32-F35-OR



Order Guide

	Port Size	Model Number			Dimensions (in.)		
		Low Flow	Med Flow	High Flow	Height*	Width	Depth
Manual Drain	1¼"	1M-300-M10-DCP	1M-400-M10-DCP	1M-700-M10-DCP	28.0	16.5	7.8
	1½"	1M-300-M12-DCP	1M-400-M12-DCP	1M-700-M12-DCP	28.0	16.8	7.8
	2"	1M-300-M16-DCP	1M-400-M16-DCP	1M-700-M16-DCP	28.0	17.0	7.8
External Automatic Drain	1¼"	1M-300-M10-DC	1M-400-M10-DC	1M-700-M10-DC	32.0	16.5	7.8
	1½"	1M-300-M12-DC	1M-400-M12-DC	1M-700-M12-DC	32.0	16.8	7.8
	2"	1M-300-M16-DC	1M-400-M16-DC	1M-700-M16-DC	32.0	17.0	7.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	3"
Thread Styles	NPT
Flow Capacity	1200 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 2.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG (manual drain) 175 °F/150 PSIG (float drain)
Approx. Weight (lb.)	76.0
ISO Class	1 Particulate/Oil

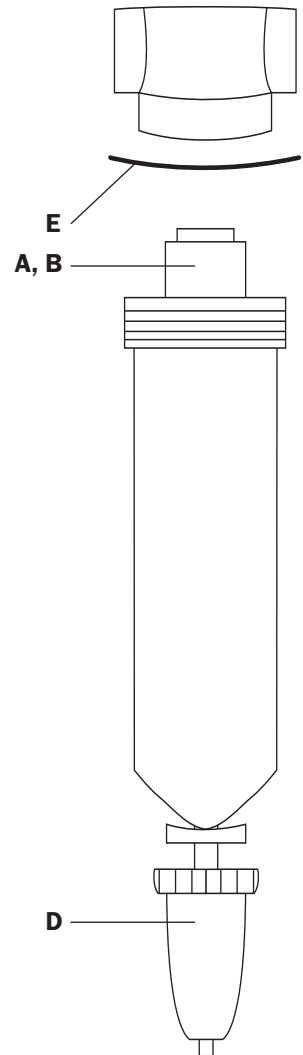
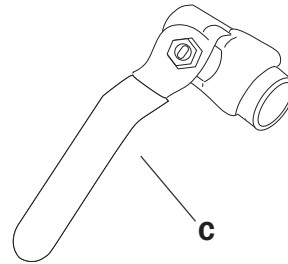
For higher pressure units, consult factory.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	1M-1200
B Replacement Element, 2nd Stage	3C-1200
C Manual Petcock Drain, Ball Valve	BV-051
D External Automatic Float Drain	N32-95-XD8
E Bowl O-ring	PHC-032



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	3"	1M-1200-M24-DCP	40.0	17.0	7.3
External Auto Drain	3"	1M-1200-M24-DC	44.0	17.0	7.3

Specifications

Port Sizes	3", 4", 6" RFSO
Connection	Raised face 150# Flange
Flow Capacity	1900/3000 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 2.5 PSID at rated flow
Max. Temp./Pressure (Epoxy Coated Carbon Steel)	150 °F/200 PSIG
Approx. Weight (lb.)	600.0/620.0/900.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with external auto drain have max. temperature and pressure of 150 °F and 150 PSIG.

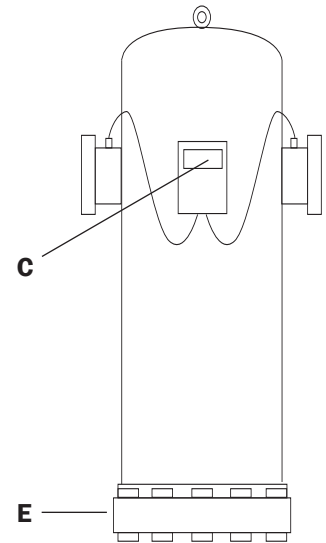


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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	1X-2500/1X-5500
B Replacement Element, 2nd Stage	3C-1900/3C-3000
C Differential Pressure Indicator	N32-P2-DPi
D Manual Petcock Drain, Ball Valve	BV-051
E External Automatic Float Drain	N32-95-XD8

Note:
All 1900 units require a minimum of 25" clearance between bottom of housing and floor for installation.
All 3000 units require a minimum of 36" clearance between bottom of housing and floor for installation.



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	3"	1M-1900-MFD-DCP	50.2	40.1	16.0
	4"	1M-1900-MFE-DCP	50.2	40.1	16.0
	6"	1M-3000-MFF-DCP	68.0	46.9	19.0
External Automatic Drain	3"	1M-1900-MFD-DCX	54.2	40.1	16.0
	4"	1M-1900-MFE-DCX	54.2	40.1	16.0
	6"	1M-3000-MFF-DCX	72.0	46.9	19.0

Indicator included as standard with metal bowl units.

Specifications

Port Sizes	1/4", 3/8"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	20 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	2.0
ISO Class	2 Particulate

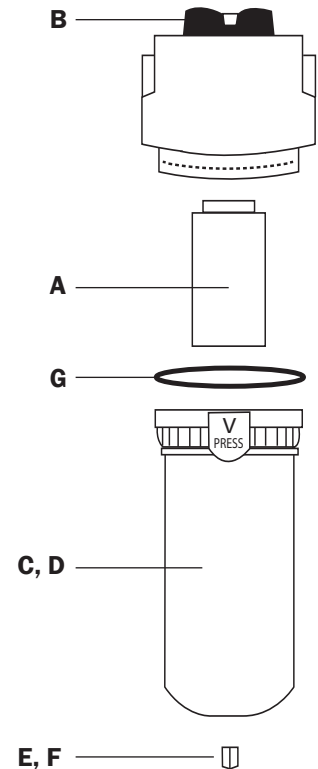
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3P-020
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N32-95-178
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N32-95-950
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-159
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-160
E Manual Brass Petcock Drain	N32-95-182
F Automatic Plastic Float Drain	N32-95-973
G Bowl O-ring	N32-95-009



Order Guide

	Port Size	Model Number		Dimensions (in.)		
		Metal Bowl	Poly Bowl	Height**	Width	Depth
Manual Drain	1/4"	3P-020-M02-P	3P-020-P02-P	7.2	3.0	2.7
	3/8"	3P-020-M03-P	3P-020-P03-P	7.2	3.0	2.7
Auto Drain	1/4"	3P-020-M02-F	3P-020-P02-F	7.4	3.0	2.7
	3/8"	3P-020-M03-F	3P-020-P03-F	7.4	3.0	2.7

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	35/60 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	3.5
ISO Class	2 Particulate

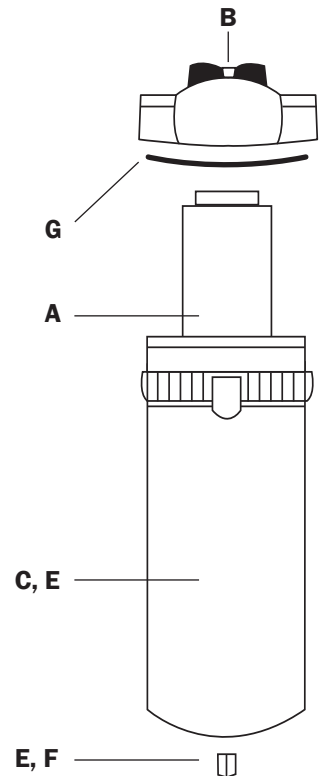
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3P-035/3P-060
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-95-205
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-95-201
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-163
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-164
E Manual Petcock Drain (Metal Bowl)	PC-02
E Manual Petcock Drain (Poly Bowl)	N32-95-182
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-257



Order Guide

	Port Size	Model Number			
		Metal Bowl		Poly Bowl	
		Low Flow	Med Flow	Low Flow	Med Flow
Manual Drain	1/4"	3P-035-M02-P	3P-060-M02-P	3P-035-P02-P	3P-060-P02-P
	3/8"	3P-035-M03-P	3P-060-M03-P	3P-035-P03-P	3P-060-P03-P
	1/2"	3P-035-M04-P	3P-060-M04-P	3P-035-P04-P	3P-060-P04-P

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
10.1	10.8	3.7	3.9
9.7	10.3	3.7	3.9
9.7	10.3	3.7	3.9

Automatic Drain	1/4"	3P-035-M02-F	3P-060-M02-F	3P-035-P02-F	3P-060-P02-F	10.3	11.2	3.7	3.9
	3/8"	3P-035-M03-F	3P-060-M03-F	3P-035-P03-F	3P-060-P03-F	10.0	10.7	3.7	3.9
	1/2"	3P-035-M04-F	3P-060-M04-F	3P-035-P04-F	3P-060-P04-F	10.0	10.7	3.7	3.9

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90/150 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	6.0
ISO Class	2 Particulate

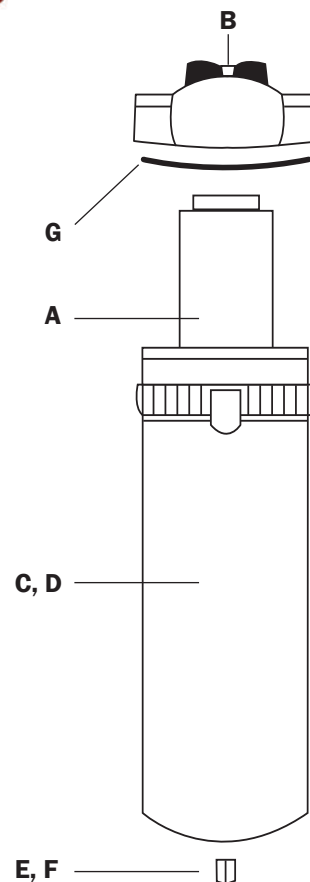
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
Dirt
Oil
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Odor

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3P-090/3P-150
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-15-180
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
E Manual Petcock Drain (Metal Bowl)	PC-03
E Manual Petcock Drain (Poly Bowl)	N32-95-182
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-256



Order Guide

	Port Size	Model Number			
		Metal Bowl		Poly Bowl	
		Low Flow	Med Flow	Low Flow	Med Flow
Manual Drain	1/2"	3P-090-M04-P	3P-150-M04-P	3P-090-P04-P	3P-150-P04-P
	3/4"	3P-090-M06-P	3P-150-M06-P	3P-090-P06-P	3P-150-P06-P
	1"	3P-090-M08-P	3P-150-M08-P	3P-090-P08-P	3P-150-P08-P
Automatic Drain	1/2"	3P-090-M04-F	3P-150-M04-F	3P-090-P04-F	3P-150-P04-F
	3/4"	3P-090-M06-F	3P-150-M06-F	3P-090-P06-F	3P-150-P06-F
	1"	3P-090-M08-F	3P-150-M08-F	3P-090-P08-F	3P-150-P08-F

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
16.9	13.8	4.6	4.8
17.3	14.2	4.6	4.8
17.3	14.2	4.6	4.8
16.8	14.1	4.6	4.8
17.2	14.5	4.6	4.8
17.2	14.5	4.6	4.8

*Poly bowls come with metal bowl guard

**To add an indicator, add "I" to end of model number (Indicator adds about 1" to height)

Literature Sheet: i003, i007, i020, i021, i038, i070

Specifications

Port Sizes	1/4", 3/8"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	20 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	4.0
ISO Class	1 Particulate/Oil

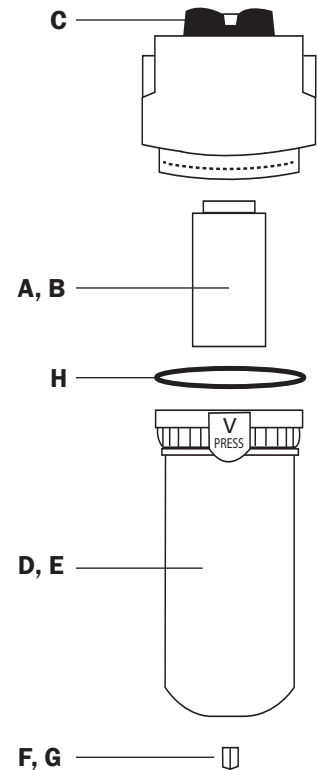
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	3P-020
B Replacement Element, 2nd Stage	3C-020
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N32-95-178
D Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N32-95-950
E Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-159
E Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-160
F Manual Petcock Drain	N32-95-182
G Automatic Plastic Float Drain (Metal Bowl)	N32-95-973
H Bowl O-ring	N32-95-009



Order Guide

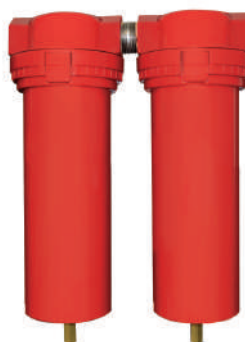
	Port Size	Model Number		Dimensions (in.)		
		Metal Bowl	Poly Bowl	Height**	Width	Depth
Manual Drain	1/4"	3P-020-M02-DCP	3P-020-P02-DCP	7.2	6.4	2.7
	3/8"	3P-020-M03-DCP	3P-020-P03-DCP	7.2	6.4	2.7
Auto Drain	1/4"	3P-020-M02-DC	3P-020-P02-DC	7.4	6.4	2.7
	3/8"	3P-020-M03-DC	3P-020-P03-DC	7.4	6.4	2.7

*Poly bowls come with metal bowl guard
**To add an indicator, add "I" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	7.0
ISO Class	1 Particulate/Oil

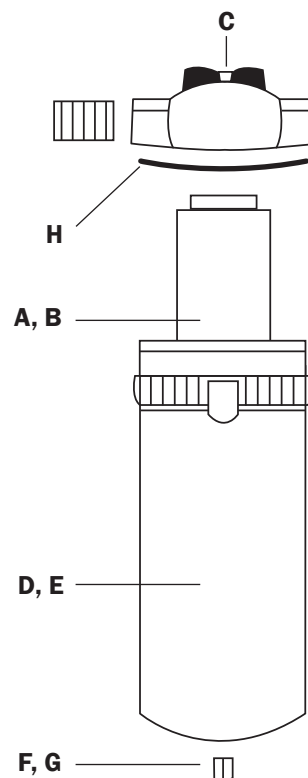
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	3P-060
B Replacement Element, 2nd Stage	3C-060
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-95-205
D Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-95-201
E Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-163
E Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-164
F Manual Petcock Drain (Metal Bowl)	PC-02
F Manual Petcock Drain (Poly Bowl)	N32-95-182
G Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
G Automatic Brass Float Drain (Poly Bowl)	N32-95-978
H Bowl O-ring	N32-95-257



Order Guide

	Port Size	Model Number	
		Metal Bowl	Poly Bowl
Manual Drain	1/4"	3P-060-M02-DCP	3P-060-P02-DCP
	3/8"	3P-060-M03-DCP	3P-060-P03-DCP
	1/2"	3P-060-M04-DCP	3P-060-P04-DCP
Automatic Drain	1/4"	3P-060-M02-DC	3P-060-P02-DC
	3/8"	3P-060-M03-DC	3P-060-P03-DC
	1/2"	3P-060-M04-DC	3P-060-P04-DC

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
10.2	10.8	8.0	3.9
9.7	10.3	8.0	3.9
9.7	10.3	8.0	3.9
10.5	11.2	8.0	3.9
10.0	10.7	8.0	3.9
10.0	10.7	8.0	3.9

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Literature Sheet: i003, i006, i011, i015, i078

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90/150 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	12.0
ISO Class	1 Particulate/Oil

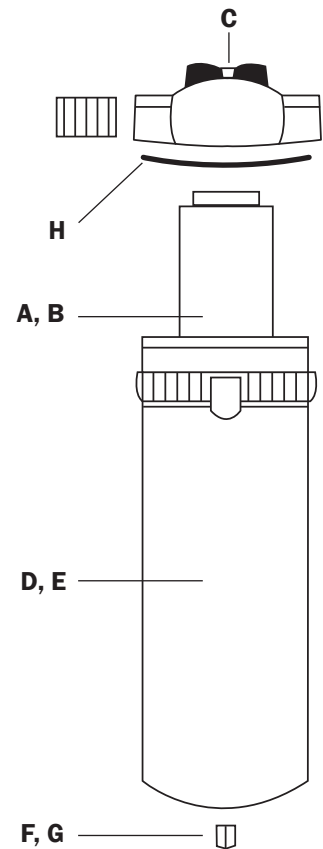
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	3P-090/3P-150
B Replacement Element, 2nd Stage	3C-090/3C-150
C Differential Pressure Indicator	N32-W1-DPI
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-15-180
D Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
E Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
E Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
F Manual Petcock Drain (Metal Bowl)	PC-03
F Manual Petcock Drain (Poly Bowl)	N32-95-182
G Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
G Automatic Brass Float Drain (Poly Bowl)	N32-95-978
H Bowl O-ring	N32-95-256



Order Guide

	Port Size	Model Number			
		Metal Bowl		Poly Bowl	
		Low Flow	Med Flow	Low Flow	Med Flow
Manual Drain	1/2"	3P-090-M04-DCP	3P-150-M04-DCP	3P-090-P04-DCP	3P-150-P04-DCP
	3/4"	3P-090-M06-DCP	3P-150-M06-DCP	3P-090-P06-DCP	3P-150-P06-DCP
	1"	3P-090-M08-DCP	3P-150-M08-DCP	3P-090-P08-DCP	3P-150-P08-DCP
Auto Drain	1/2"	3P-090-M04-DC	3P-150-M04-DC	3P-090-P04-DC	3P-150-P04-DC
	3/4"	3P-090-M06-DC	3P-150-M06-DC	3P-090-P06-DC	3P-150-P06-DC
	1"	3P-090-M08-DC	3P-150-M08-DC	3P-090-P08-DC	3P-150-P08-DC

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
16.9	13.8	9.8	4.8
17.3	14.2	9.8	4.8
17.3	14.2	9.8	4.8
16.8	14.1	9.8	4.8
17.2	14.5	9.8	4.8
17.2	14.5	9.8	4.8

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/4"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	20 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	2.0
ISO Class	1 Particulate/Oil

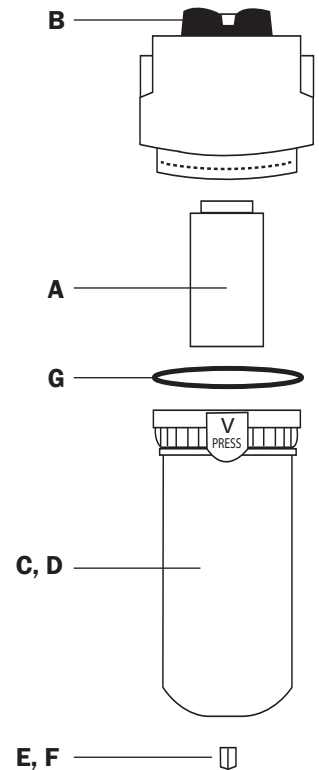
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-020
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N32-95-178
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N32-95-950
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-159
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-160
E Manual Petcock Drain	N32-95-182
F Automatic Plastic Float Drain	N32-95-973
G Bowl O-ring	N32-95-009



Order Guide

	Port Size	Model Number		Dimensions (in.)		
		Metal Bowl	Poly Bowl	Height**	Width	Depth
Manual Drain	1/4"	3C-020-M02-P	3C-020-P02-P	7.6	3.0	2.7
Auto Drain	1/4"	3C-020-M02-F	3C-020-P02-F	7.8	3.0	2.7

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	3.5
ISO Class	1 Particulate/Oil

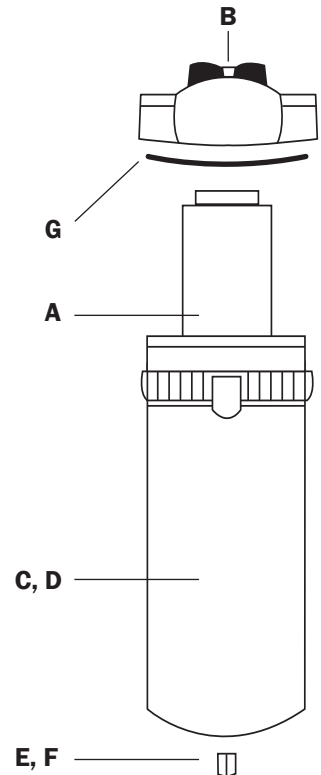
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-060
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-95-205
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-95-201
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-163
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-164
E Manual Petcock Drain (Metal Bowl)	PC-02
E Manual Petcock Drain (Poly Bowl)	N32-95-182
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-257



Order Guide

	Port Size	Model Number		Dimensions (in.)			
		Metal Bowl	Poly Bowl	Height**		Width	Depth
				Metal	Poly		
Manual Drain	1/4"	3C-060-M02-P	3C-060-P02-P	10.1	10.8	3.7	3.9
	3/8"	3C-060-M03-P	3C-060-P03-P	10.1	10.8	3.7	3.9
	1/2"	3C-060-M04-P	3C-060-P04-P	10.1	10.8	3.7	3.9
Auto Drain	1/4"	3C-060-M02-F	3C-060-P02-F	10.5	11.2	3.7	3.9
	3/8"	3C-060-M03-F	3C-060-P03-F	10.5	11.2	3.7	3.9
	1/2"	3C-060-M04-F	3C-060-P04-F	10.5	11.2	3.7	3.9

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90/150/250 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	6.0
ISO Class	1 Particulate/Oil

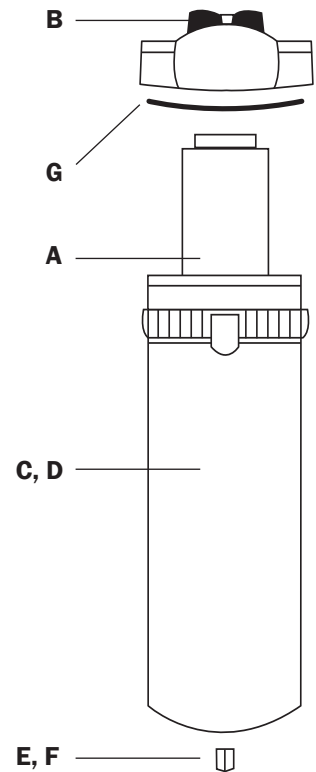
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-090/3C-150/3C-250
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-15-180
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
E Manual Petcock Drain (Metal Bowl)	PC-03
E Manual Petcock Drain (Poly Bowl)	N32-95-182
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-256



Order Guide

	Port Size	Model Number					Dimensions (in.)	
		Metal Bowl			Poly Bowl		Height**	
		Low Flow	Med Flow	High Flow	Low Flow	Med Flow	Metal	Poly
Manual Drain	1/2"	3C-090-M04-P	3C-150-M04-P	3C-250-M04-P	3C-090-P04-P	3C-150-P04-P	17.4	14.3
	3/4"	3C-090-M06-P	3C-150-M06-P	3C-250-M06-P	3C-090-P06-P	3C-150-P06-P	Width	Depth
	1"	3C-090-M08-P	3C-150-M08-P	3C-250-M08-P	3C-090-P08-P	3C-150-P08-P	4.6	4.8
Auto Drain	1/2"	3C-090-M04-F	3C-150-M04-F	3C-250-M04-F	3C-090-P04-F	3C-150-P04-F	Height**	
	3/4"	3C-090-M06-F	3C-150-M06-F	3C-250-M06-F	3C-090-P06-F	3C-150-P06-F	Metal	Poly
	1"	3C-090-M08-F	3C-150-M08-F	3C-250-M08-F	3C-090-P08-F	3C-150-P08-F	17.3	14.7

*Poly bowls come with metal bowl guard
 **To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1¼", 1½", 2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	300/400/700 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 ° F/200 PSIG
Approx. Weight (lb.)	30.0
ISO Class	1 Particulate/Oil

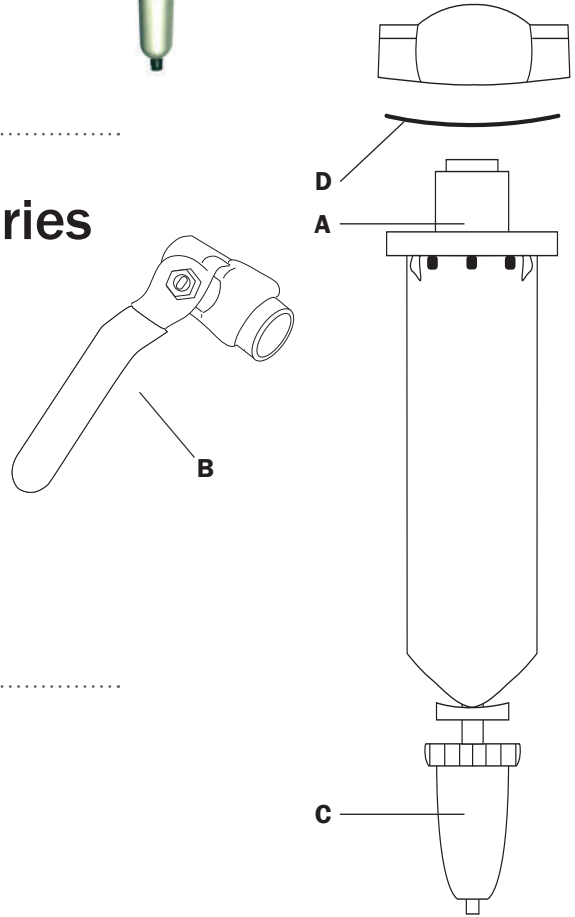
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 ° F and 150 PSIG, regardless of bowl material.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-300/3C-400/3C-700
B Manual Drain, Ball Valve	BV-051
C External Automatic Float Drain	N32-95-XD8
D Bowl O-ring	N32-F35-OR



Order Guide

	Port Size	Model Number		
		Low Flow	Med Flow	High Flow
Manual Drain	1¼"	3C-300-M10-P	3C-400-M10-P	3C-700-M10-P
	1½"	3C-300-M12-P	3C-400-M12-P	3C-700-M12-P
	2"	3C-300-M16-P	3C-400-M16-P	3C-700-M16-P
External Automatic Drain	1¼"	3C-300-M10-F	3C-400-M10-F	3C-700-M10-F
	1½"	3C-300-M12-F	3C-400-M12-F	3C-700-M12-F
	2"	3C-300-M16-F	3C-400-M16-F	3C-700-M16-F

Dimensions (in.)		
Height*	Width	Depth
28.0	7.8	7.8
28.0	7.8	7.8
28.0	7.8	7.8
32.0	7.8	7.8
32.0	7.8	7.8
32.0	7.8	7.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	3"
Connection	NPT, BSPT, BSPP
Flow Capacity	1200 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Manual Drain)	175 °F/200 PSIG
Max. Temp./Pressure (Auto Float Drain)	125 °F/150 PSIG
Approx. Weight (lb.)	38.0
ISO Class	1 Particulate/Oil

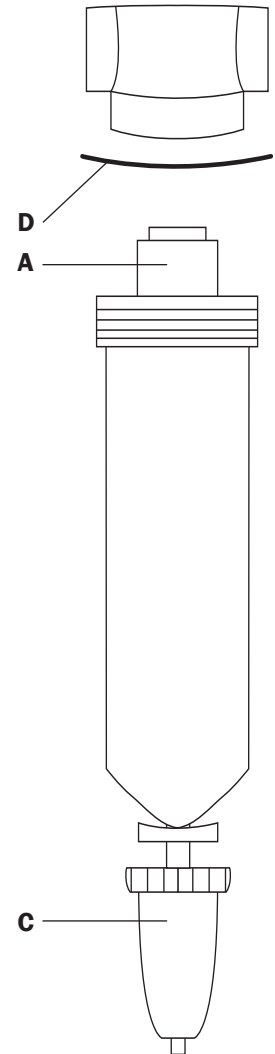
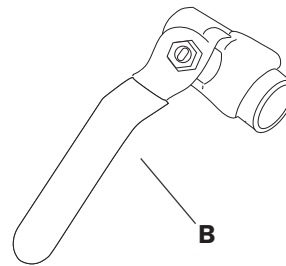
For higher pressure units, consult factory.



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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-1200
B Manual Brass Petcock Drain, Ball Valve	BV-051
C External Automatic Float Drain	N32-95-XD8
D Bowl O-ring	PHC-032



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	3"	3C-1200-M24-P	40.0	8.0	7.3
External Auto Drain	3"	3C-1200-M24-F	44.0	8.0	7.3

Specifications

Port Sizes	3", 4", 6" RFSO
Connection	Raised face 150# Flange
Flow Capacity	1900/3000 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Epoxy Coated Carbon Steel)	150 °F/200 PSIG
Approx. Weight (lb.)	280.0/290.0/420.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with external auto drain have max. temperature and pressure of 150 °F and 150 PSIG.

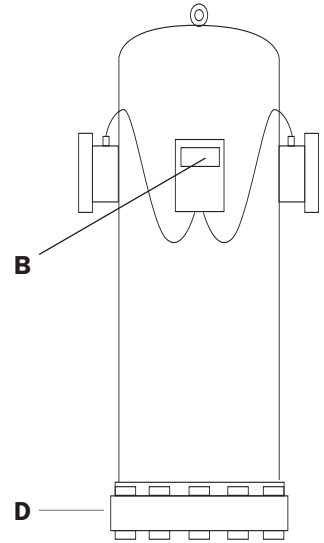


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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-1900/3C-3000
B Differential Pressure Indicator	N32-P2-DPi
C Manual Brass Petcock Drain, Ball Valve	BV-051
D External Automatic Float Drain	N32-95-XD8

Note:
All 3C-1900 units require a minimum of 25" clearance between bottom of housing and floor for installation.
All 3C-3000 units require a minimum of 36" clearance between bottom of housing and floor for installation.



Order Guide

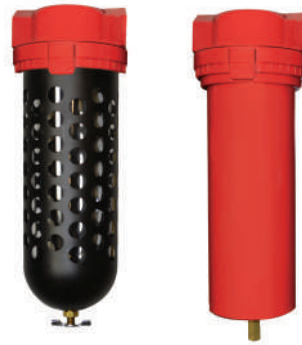
	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	3"	3C-1900-MFD-P	50.2	20.0	16.0
	4"	3C-1900-MFE-P	50.2	20.0	16.0
	6"	3C-3000-MFF-P	50.2	23.4	19.0
External Automatic Drain	3"	3C-1900-MFD-X	50.2	20.0	16.0
	4"	3C-1900-MFE-X	50.2	20.0	16.0
	6"	3C-3000-MFF-X	50.2	23.4	19.0

Indicator included as standard with these metal bowl units.

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger Activated Carbon Oil Adsorption to 0.003 PPM
Differential Pressure	< 3.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	3.5
ISO Class	2 Particulate/Oil

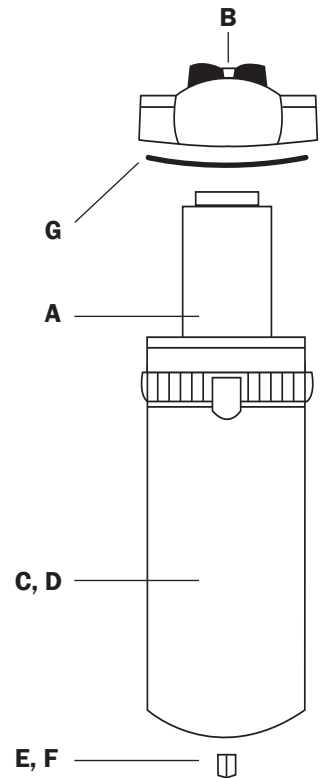
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
Dirt
Oil
Oil Vapor
Odor

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	4P-060
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-95-205
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-95-201
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-163
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-164
E Manual Petcock Drain (Metal Bowl)	PC-02
E Manual Petcock Drain (Poly Bowl)	N32-95-182
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-257



Order Guide

	Port Size	Model Number	
		Metal Bowl	Poly Bowl
Manual Drain	1/4"	4P-060-M02-P	4P-060-P02-P
	3/8"	4P-060-M03-P	4P-060-P03-P
	1/2"	4P-060-M04-P	4P-060-P04-P

Automatic Drain	1/4"	4P-060-M02-F	4P-060-P02-F
	3/8"	4P-060-M03-F	4P-060-P03-F
	1/2"	4P-060-M04-F	4P-060-P04-F

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
10.0	10.0	3.9	3.9
10.0	10.0	3.9	3.9
10.0	10.0	3.9	3.9

10.0	10.5	3.9	3.9
10.0	10.5	3.9	3.9
10.0	10.5	3.9	3.9

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90/150 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger Activated Carbon Oil Adsorption to 0.003 PPM
Differential Pressure	< 3.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	6.0
ISO Class	2 Particulate/Oil

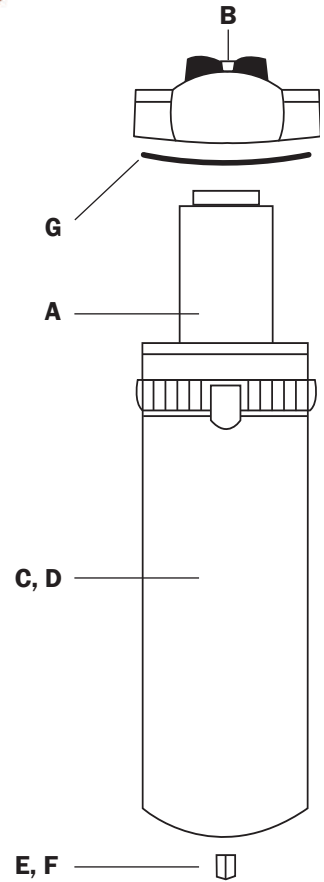
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
Dirt
Oil
Oil Vapor
Odor

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	4P-090/4P-150
B Differential Pressure Indicator	N32-W1-DPi
B Blanking Cap (Cover for Indicator)	N32-95-020
C Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-15-180
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
D Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
D Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
E Manual Petcock Drain (Metal Bowl)	PC-03
E Manual Petcock Drain (Poly Bowl)	N32-95-182
F Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
F Automatic Brass Float Drain (Poly Bowl)	N32-95-978
G Bowl O-ring	N32-95-256



Order Guide

	Port Size	Model Number			
		Metal Bowl		Poly Bowl	
		Low Flow	Med Flow	Low Flow	Med Flow
Manual Drain	1/2"	4P-090-M04-P	4P-150-M04-P	4P-090-P04-P	4P-150-P04-P
	3/4"	4P-090-M06-P	4P-150-M06-P	4P-090-P06-P	4P-150-P06-P
	1"	4P-090-M08-P	4P-150-M08-P	4P-090-P08-P	4P-150-P08-P
Automatic Drain	1/2"	4P-090-M04-F	4P-150-M04-F	4P-090-P04-F	4P-150-P04-F
	3/4"	4P-090-M06-F	4P-150-M06-F	4P-090-P06-F	4P-150-P06-F
	1"	4P-090-M08-F	4P-150-M08-F	4P-090-P08-F	4P-150-P08-F

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
17.0	14.0	4.6	4.8
17.0	14.0	4.6	4.8
17.0	14.0	4.6	4.8
17.0	14.5	4.6	4.8
17.0	14.5	4.6	4.8
17.0	14.5	4.6	4.8

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

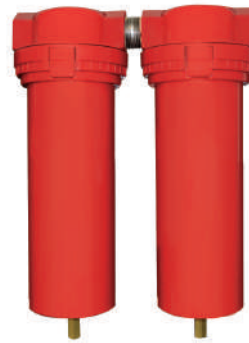
Literature Sheet:



Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger Activated Carbon Oil Adsorption to 0.003 PPM Hydrocarbons
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	7.0
ISO Class	1 Particulate/Oil

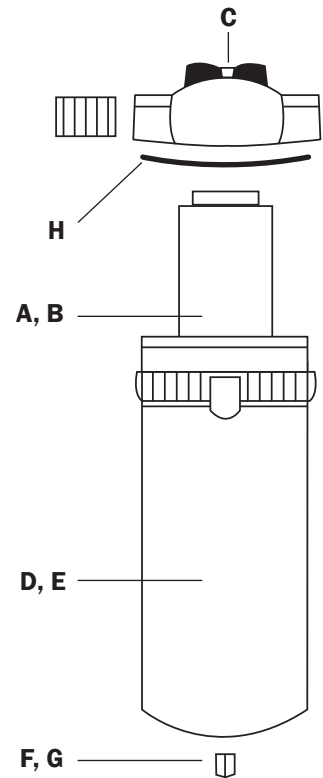
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
Dirt
Oil
Oil Vapor
Odor

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	4P-060
B Replacement Element, 2nd Stage	3C-060
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-95-205
D Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N32-95-201
E Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-163
E Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-164
F Manual Petcock Drain (Metal Bowl)	PC-02
F Manual Petcock Drain (Poly Bowl)	N32-95-182
G Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
G Automatic Brass Float Drain (Poly Bowl)	N32-95-978
H Bowl O-ring	N32-95-257



Order Guide

	Port Size	Model Number	
		Metal Bowl	Poly Bowl
Manual Drain	1/4"	4P-060-M02-DCP	4P-060-P02-DCP
	3/8"	4P-060-M03-DCP	4P-060-P03-DCP
	1/2"	4P-060-M04-DCP	4P-060-P04-DCP
Automatic Drain	1/4"	4P-060-M02-DC	4P-060-P02-DC
	3/8"	4P-060-M03-DC	4P-060-P03-DC
	1/2"	4P-060-M04-DC	4P-060-P04-DC

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
10.0	10.0	8.0	3.9
10.0	10.0	8.0	3.9
10.0	10.0	8.0	3.9
10.0	10.5	8.0	3.9
10.0	10.5	8.0	3.9
10.0	10.5	8.0	3.9

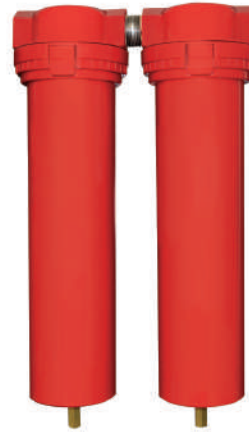
*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90/150 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger Activated Carbon Oil Adsorption to 0.003 PPM
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	12.0
ISO Class	1 Particulate/Oil

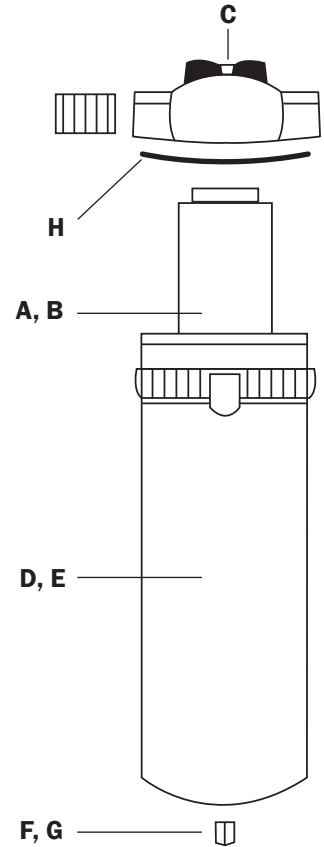
For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



Water
Dirt
Oil
Oil Vapor
Odor

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	4P-090/4P-150
B Replacement Element, 2nd Stage	3C-090/3C-150
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly: Metal Bowl, Manual Petcock Drain, & O-ring	N34-15-180
D Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring	N34-15-178
E Bowl Assembly: Poly Bowl, Manual Petcock Drain, & O-ring*	N32-15-167
E Bowl Assembly: Poly Bowl, Auto Float Drain, & O-ring*	N32-15-166
F Manual Petcock Drain (Metal Bowl)	PC-03
F Manual Petcock Drain (Poly Bowl)	N32-95-182
G Automatic Plastic Float Drain (Metal Bowl)	N32-95-979
G Automatic Brass Float Drain (Poly Bowl)	N32-95-978
H Bowl O-ring	N32-95-256



Order Guide

	Port Size	Model Number			
		Metal Bowl		Poly Bowl	
		Low Flow	Med Flow	Low Flow	Med Flow
Manual Drain	1/2"	4P-090-M04-DCP	4P-150-M04-DCP	4P-090-P04-DCP	4P-150-P04-DCP
	3/4"	4P-090-M06-DCP	4P-150-M06-DCP	4P-090-P06-DCP	4P-150-P06-DCP
	1"	4P-090-M08-DCP	4P-150-M08-DCP	4P-090-P08-DCP	4P-150-P08-DCP

Dimensions (in.)			
Height**		Width	Depth
Metal	Poly		
17.0	14.0	10.0	4.8
17.0	14.0	10.0	4.8
17.0	14.0	10.0	4.8

Auto Drain	1/2"	4P-090-M04-DC	4P-150-M04-DC	4P-090-P04-DC	4P-150-P04-DC
	3/4"	4P-090-M06-DC	4P-150-M06-DC	4P-090-P06-DC	4P-150-P06-DC
	1"	4P-090-M08-DC	4P-150-M08-DC	4P-090-P08-DC	4P-150-P08-DC

17.0	14.5	10.0	4.8
17.0	14.5	10.0	4.8
17.0	14.5	10.0	4.8

*Poly bowls come with metal bowl guard

**To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)



Specifications

Port Sizes	3/8", 1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60/120/175 SCFM @ 100 PSI
Filter Capacity	3.0 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Approx. Weight (lb.)	3.5/6.0/6.0
ISO Class	3 Particulate

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



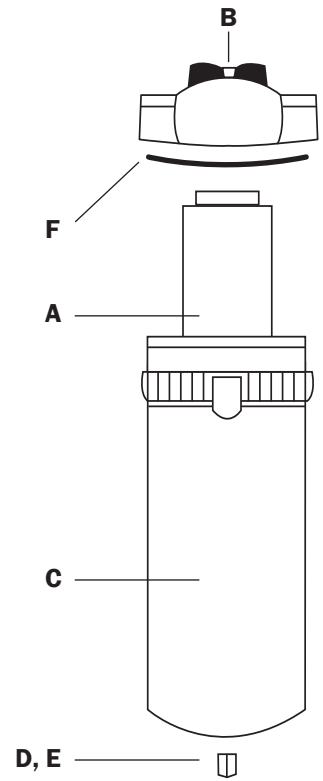
*Units shown with indicator

Water
Dirt
Oil
Oil Vapor
Odor

Food Grade certified non-toxic powder coated filters meet requirements of 21 CFR 100. Coating ingredients meet at least one section of FDA Title 21, with the exception of food items containing 8% alcohol.

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	1P-060/1P-120/1P-175
B Differential Pressure Indicator	N32-W1-DPI-FG
B Blanking Cap (Cover for Indicator)	N32-95-020-FG
C Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (60)	N34-95-205-FG
C Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (60)	N34-95-195-FG
C Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (120/175)	N34-15-180-FG
C Bowl Assembly: Metal Bowl, Auto Float Drain, & O-ring (120/175)	N34-15-185-FG
D Manual Petcock Drain	PC-03
E Automatic Float Drain	N32-95-973-FG
F Bowl O-ring (60)	N32-95-257
F Bowl O-ring (120/175)	N32-95-256



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height*	Width	Depth
Manual Drain	3/8"	1P-060-F03-P	10.0	3.9	3.9
	1/2"	1P-060-F04-P	10.0	3.9	3.9
	3/4"	1P-120-F06-P	17.0	4.6	4.8
	1"	1P-175-F08-P	17.0	4.6	4.8
Automatic Drain	3/8"	1P-060-F03-F	10.0	3.9	3.9
	1/2"	1P-060-F04-F	10.0	3.9	3.9
	3/4"	1P-120-F06-F	17.0	4.6	4.8
	1"	1P-175-F08-F	17.0	4.6	4.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Literature Sheet: i009

Specifications

Port Sizes	3/8", 1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Approx. Weight (lb.)	6.0/12.0/12.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



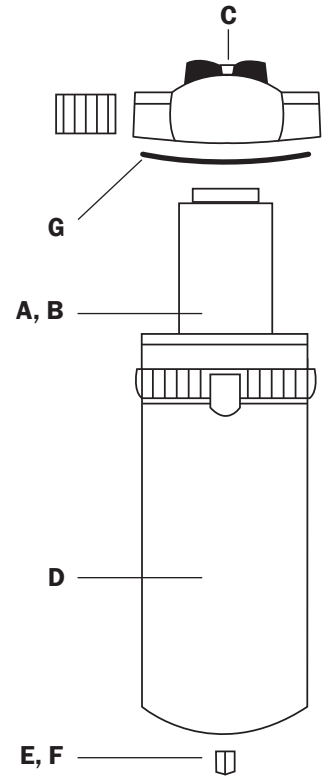
*Units shown with indicator

Water
Dirt
Oil
Oil Vapor
Odor

Food Grade certified non-toxic powder coated filters meet requirements of 21 CFR 100. Coating ingredients meet at least one section of FDA Title 21, with the exception of food items containing 8% alcohol.

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	1P-060/1P-090/1P-150
B Replacement Element, 2nd Stage	3C-061/3C-091/3C-151
C Differential Pressure Indicator	N32-W1-DPi-FG
C Blanking Cap (Cover for Indicator)	N32-95-020-FG
D Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (60)	N34-95-205-FG
D Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (60)	N34-95-195-FG
D Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (90/150)	N34-15-180-FG
D Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (90/150)	N34-15-185-FG
E Manual Petcock Drain	PC-03
F Automatic Float Drain	N32-95-973-FG
G Bowl O-ring (60)	N32-95-257
G Bowl O-ring (90/150)	N32-95-256



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height*	Width	Depth
Manual Drain	3/8"	1P-061-F03-DCP	10.0	8.0	3.9
	1/2"	1P-061-F04-DCP	10.0	8.0	3.9
	3/4"	1P-091-F06-DCP	17.0	10.0	4.8
	1"	1P-151-F08-DCP	17.0	10.0	4.8
Automatic Drain	3/8"	1P-061-F03-DC	10.0	8.0	3.9
	1/2"	1P-061-F04-DC	10.0	8.0	3.9
	3/4"	1P-091-F06-DC	17.0	10.0	4.8
	1"	1P-151-F08-DC	17.0	10.0	4.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	3/8", 1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 ° F/200 PSIG
Approx. Weight (lb.)	3.5/6.0/6.0
ISO Class	2 Particulate

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 ° F and 150 PSIG, regardless of bowl material.



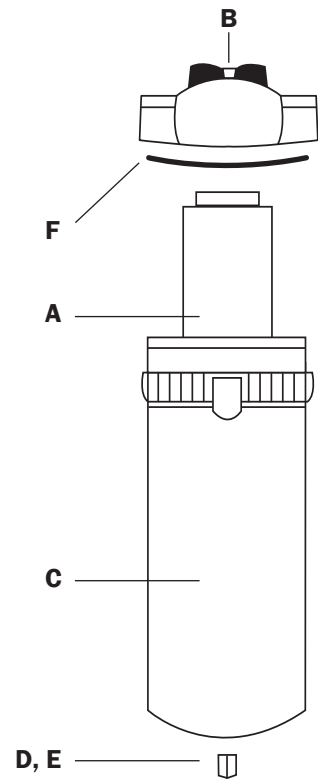
Water
Dirt
Oil
Oil Vapor
Odor

*Units shown with indicator

Food Grade certified non-toxic powder coated filters meet requirements of 21 CFR 100. Coating ingredients meet at least one section of FDA Title 21, with the exception of food items containing 8% alcohol.

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3P-060/3P-090/3P-150
B Differential Pressure Indicator	N32-W1-DPi-FG
B Blanking Cap (Cover for Indicator)	N32-95-020-FG
C Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (60)	N34-95-205-FG
C Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (60)	N34-95-195-FG
C Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (90/150)	N34-15-180-FG
C Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (90/150)	N34-15-185-FG
D Manual Petcock Drain	PC-03
E Automatic Float Drain	N32-95-973-FG
F Bowl O-ring (60)	N32-95-257
F Bowl O-ring (90/150)	N32-95-256



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height*	Width	Depth
Manual Drain	3/8"	3P-060-F03-P	10.0	3.9	3.9
	1/2"	3P-060-F04-P	10.0	3.9	3.9
	3/4"	3P-090-F06-P	17.0	4.6	4.8
	1"	3P-150-F08-P	17.0	4.6	4.8
Automatic Drain	3/8"	3P-060-F03-F	10.5	3.9	3.9
	1/2"	3P-060-F04-F	10.5	3.9	3.9
	3/4"	3P-090-F06-F	17.0	4.6	4.8
	1"	3P-150-F08-F	17.0	4.6	4.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Literature Sheet: i009, i013

Specifications

Port Sizes	3/8", 1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger Activated Carbon Oil Adsorption to 0.003 PPM
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Approx. Weight (lb.)	7.0/12.0/12.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



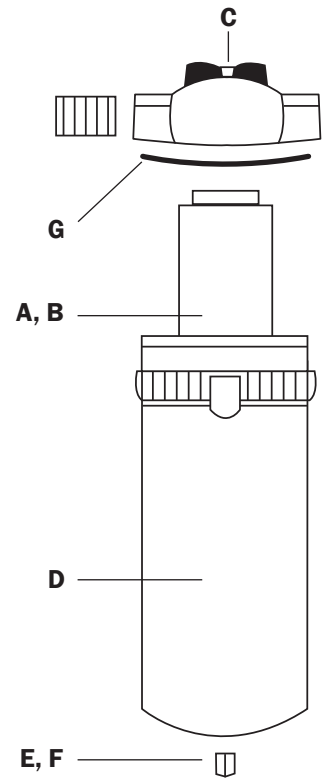
*Units shown with indicator

Water
Dirt
Oil
Oil Vapor
Odor

Food Grade certified non-toxic powder coated filters meet requirements of 21 CFR 100. Coating ingredients meet at least one section of FDA Title 21, with the exception of food items containing 8% alcohol.

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	3P-060/3P-090/3P-150
B Replacement Element, 2nd Stage	3C-061/3C-091/3C-151
C Differential Pressure Indicator	N32-W1-DPi-FG
C Blanking Cap (Cover for Indicator)	N32-95-020-FG
D Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (60)	N34-95-205-FG
D Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (60)	N34-95-195-FG
D Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (90/150)	N34-15-180-FG
D Bowl Assy: Metal Bowl & Auto Float Drain (90/150)	N34-15-185-FG
E Manual Petcock Drain	PC-03
F Automatic Float Drain	N32-95-973-FG
G Bowl O-ring (60)	N32-95-257
G Bowl O-ring (90/150)	N32-95-256



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height*	Width	Depth
Manual Drain	3/8"	3P-061-F03-DCP	10.0	8.0	3.9
	1/2"	3P-061-F04-DCP	10.0	8.0	3.9
	3/4"	3P-091-F06-DCP	17.0	10.0	4.8
	1"	3P-151-F08-DCP	17.0	10.0	4.8
Automatic Drain	3/8"	3P-061-F03-DC	10.5	8.0	3.9
	1/2"	3P-061-F04-DC	10.5	8.0	3.9
	3/4"	3P-091-F06-DC	17.0	10.0	4.8
	1"	3P-151-F08-DC	17.0	10.0	4.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	3/8", 1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger Activated Carbon Oil Adsorption to 0.003 PPM
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Approx. Weight (lb.)	7.0/12.0/12.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



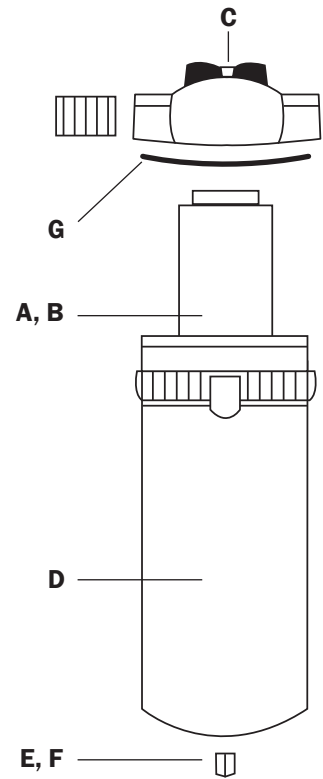
*Units shown with indicator

Water
Dirt
Oil
Oil Vapor
Odor

Food Grade certified non-toxic powder coated filters meet requirements of 21 CFR 100. Coating ingredients meet at least one section of FDA Title 21, with the exception of food items containing 8% alcohol.

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	4P-060/4P-090/4P-150
B Replacement Element, 2nd Stage	3C-061/3C-091/3C-151
C Differential Pressure Indicator	N32-W1-DPI-FG
C Blanking Cap (Cover for Indicator)	N32-95-020-FG
D Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (60)	N34-95-205-FG
D Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (60)	N34-95-195-FG
D Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (90/150)	N34-15-180-FG
D Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (90/150)	N34-15-185-FG
E Manual Petcock Drain	PC-03
F Automatic Float Drain	N32-95-973-FG
G Bowl O-ring (60)	N32-95-257
G Bowl O-ring (90/150)	N32-95-256



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height*	Width	Depth
Manual Drain	3/8"	4P-061-F03-DCP	10.0	8.0	3.9
	1/2"	4P-061-F04-DCP	10.0	8.0	3.9
	3/4"	4P-091-F06-DCP	17.0	10.0	4.8
	1"	4P-151-F08-DCP	17.0	10.0	4.8
Automatic Drain	3/8"	4P-061-F03-DC	10.5	8.0	3.9
	1/2"	4P-061-F04-DC	10.5	8.0	3.9
	3/4"	4P-091-F06-DC	17.0	10.0	4.8
	1"	4P-151-F08-DC	17.0	10.0	4.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Literature Sheet: i009

Specifications

Port Sizes	3/8", 1/2", 3/4", 1"
Thread Styles	NPT
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	3.5/6.0/6.0
ISO Class	1 Particulate/Oil

For higher pressure applications, consult factory. Units equipped with differential pressure indicator have max. temperature and pressure of 125 °F and 150 PSIG, regardless of bowl material.



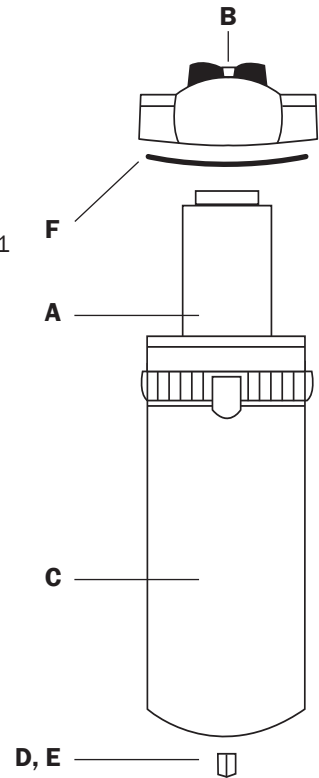
Water
Dirt
Oil
Oil Vapor
Odor

*Units shown with indicator

Food Grade certified non-toxic powder coated filters meet requirements of 21 CFR 100. Coating ingredients meet at least one section of FDA Title 21, with the exception of food items containing 8% alcohol.

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-061/3C-091/3C-151
B Differential Pressure Indicator	N32-W1-DPI-FG
B Blanking Cap (Cover for Indicator)	N32-95-020-FG
C Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (60)	N34-95-205-FG
C Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (60)	N34-95-195-FG
C Bowl Assy: Metal Bowl, Manual Petcock Drain, & O-ring (90/150)	N34-15-180-FG
C Bowl Assy: Metal Bowl, Auto Float Drain, & O-ring (90/150)	N34-15-185-FG
D Manual Petcock Drain	PC-03
E Automatic Float Drain	N32-95-973-FG
F Bowl O-ring (60)	N32-95-257
F Bowl O-ring (90/150)	N32-95-256



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height*	Width	Depth
Manual Drain	3/8"	3C-061-F03-P	10.0	3.9	3.9
	1/2"	3C-061-F04-P	10.0	3.9	3.9
	3/4"	3C-091-F06-P	17.0	4.6	4.8
	1"	3C-151-F08-P	17.0	4.6	4.8
Automatic Drain	3/8"	3C-061-F03-F	10.5	3.9	3.9
	1/2"	3C-061-F04-F	10.5	3.9	3.9
	3/4"	3C-091-F06-F	17.0	4.6	4.8
	1"	3C-151-F08-F	17.0	4.6	4.8

*To add an indicator, add "i" to end of model number (Indicator adds about 1" to height)

Specifications

Port Sizes	½", 1"
Thread Styles	NPT
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger
Differential Pressure	< 3.0 PSID at rated flow
Max. Temp./Pressure	175 °F/200 PSIG
Approx. Weight (lb.)	7.0/10.0/10.0
ISO Class	2 Particulate



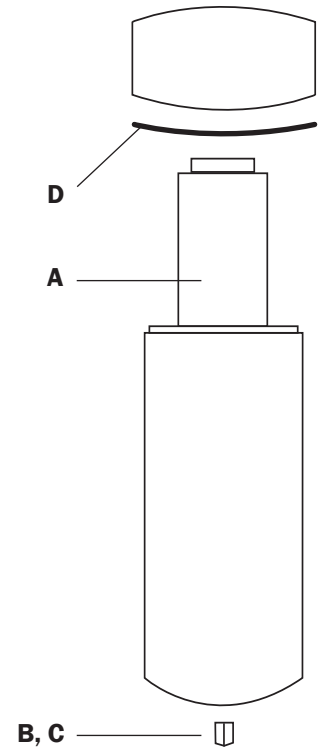
Water
Dirt
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For higher pressure stainless steel applications, please consult factory.

NACE Compliant

Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3P-060/3P-090/3P-150
B Manual Drain	SV1-3/8
C Automatic Float Drain	N32-95-973-FG
D Bowl O-ring (60)	KSG-171
D Bowl O-ring (90/150)	KSG-176
Mounting Bracket (Optional)	BK-1



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	½"	3P-060-S04-P	12.0	3.0	3.3
	1"	3P-090-S08-P	16.6	3.8	4.0
	1"	3P-150-S08-P	16.6	3.8	4.0
Automatic Drain	½"	3P-060-S04-F	11.0	3.0	3.3
	1"	3P-090-S08-F	15.6	3.8	4.0
	1"	3P-150-S08-F	15.6	3.8	4.0

Specifications

Port Sizes	½", 1"
Thread Styles	NPT
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 3.0 PSID at rated flow
Max. Temp./Pressure	150 °F/250 PSIG
Approx. Weight (lb.)	14.0/20.0/20.0
ISO Class	1 Particulate/Oil



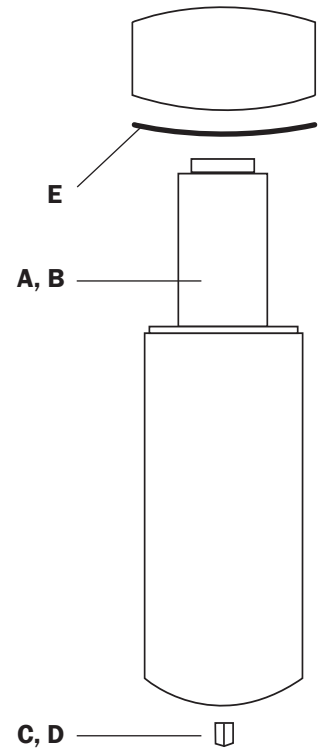
Water
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For higher pressure stainless steel applications, please consult factory.

NACE Compliant

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	3P-060/3P-090/3P-150
B Replacement Element, 2nd Stage	3C-060/3C-090/3C-150
C Manual Drain	SV1-3/8
D Automatic Float Drain	N32-95-973-FG
E Bowl O-ring (60)	KSG-171
E Bowl O-ring (90/150)	KSG-176
Mounting Bracket (Optional)	BK-1



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	½"	3P-060-S04-DCP	12.0	6.4	3.3
	1"	3P-090-S08-DCP	16.6	7.8	4.0
	1"	3P-150-S08-DCP	16.6	7.8	4.0
Automatic Drain	½"	3P-060-S04-DC	11.0	6.4	3.3
	1"	3P-090-S08-DC	15.6	7.8	4.0
	1"	3P-150-S08-DC	15.6	7.8	4.0

Specifications

Port Sizes	½", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60/90/150 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger (Single Stage) 0.01 micron & larger (Combo) Activated Carbon Oil Adsorption to 0.003 PPM
Differential Pressure	< 3.0 PSID at rated flow
Max. Temp./Pressure (Manual Drain)	150 °F/250 PSIG
Max. Temp./Pressure (Auto Float Drain)	125 °F/150 PSIG
Approx. Weight (lb.)	7.0/10.0/10.0 (Single Stage) 14.0/20.0/20.0 (Combo)
ISO Class	1 Particulate/Oil

For higher pressure stainless steel applications, please consult factory.

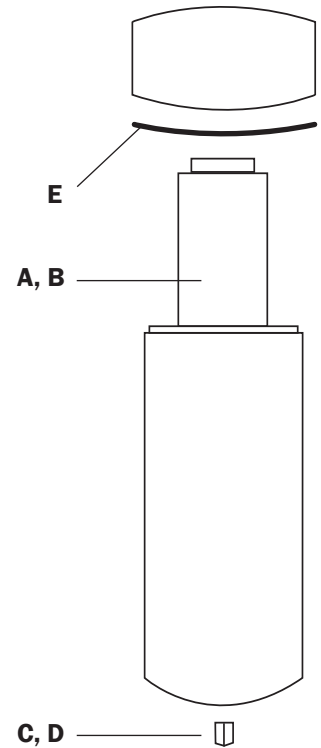


NACE Compliant

Water
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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	4P-060/4P-090/4P-150
B Replacement Element, 2nd Stage (Combo Unit)	3C-060/3C-090/3C-150
C Manual Petcock Drain	SV1-3/8
D Automatic Float Drain	N32-95-973-FG
E Bowl O-ring (60)	KSG-171
E Bowl O-ring (90/150)	KSG-176
Mounting Bracket (Optional)	BK-1



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	½"	4P-060-S04-P	12.0	3.0	3.3
	1"	4P-150-S08-P	16.6	3.8	4.0
Manual Drain COMBO	½"	4P-060-S04-DCP	12.0	6.4	3.3
	1"	4P-090-S08-DCP	16.6	7.8	4.0
	1"	4P-150-S08-DCP	16.6	7.8	4.0
Automatic Drain	½"	4P-060-S04-F	11.0	3.0	3.3
	1"	4P-150-S08-F	15.6	3.8	4.0
Automatic Drain COMBO	½"	4P-060-S04-DC	11.0	6.4	3.3
	1"	4P-090-S08-DC	15.6	7.8	4.0
	1"	4P-150-S08-DC	15.6	7.8	4.0

Literature Sheet: i002, i062

Specifications

Port Sizes	½", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60/90/150/250 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 3.0 PSID at rated flow
Max. Temp./Pressure (Manual Drain)	150 °F/250 PSIG
Max. Temp./Pressure (Auto Float Drain)	125 °F/150 PSIG
Approx. Weight (lb.)	7.0/10.0/10.0/10.0
ISO Class	1 Particulate/Oil

For higher pressure stainless steel applications, please consult factory.

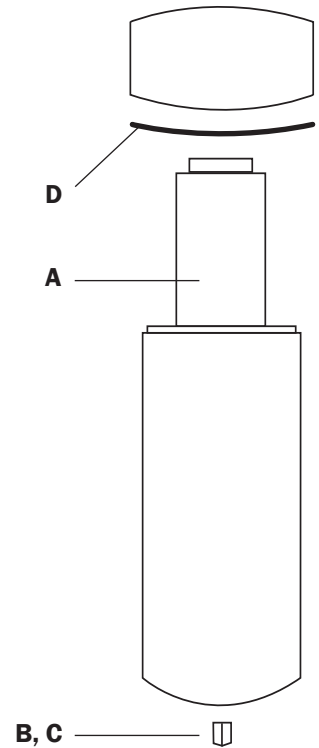


NACE Compliant

Water
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Replacement Parts & Accessories

Description	Part Number
A Replacement Element	3C-060/3C-090/3C-150/3C-250
B Manual Petcock Drain	SV1-3/8
C Automatic Float Drain	N32-95-973-FG
D Bowl O-ring (60)	KSG-171
D Bowl O-ring (90/150/250)	KSG-176
Mounting Bracket (Optional)	BK-1



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
Manual Drain	½"	3C-060-S04-P	12.0	3.0	3.3
	1"	3C-090-S08-P	16.6	3.8	4.0
	1"	3C-150-S08-P	16.6	3.8	4.0
	1"	3C-250-S08-P	16.6	3.8	4.0
Automatic Drain	½"	3C-060-S04-F	11.0	3.0	3.3
	1"	3C-090-S08-F	15.6	3.8	4.0
	1"	3C-150-S08-F	15.6	3.8	4.0
	1"	3C-250-S08-F	15.6	3.8	4.0

Specifications

Port Sizes	½", 1", 1½", 2", 3"
Thread Styles	NPT
Flow Capacity	60/175/300/400/700/1200 SCFM @ 100 PSI
Filter Capacity	3.0 micron & larger
Differential Pressure	< 1.0 PSID at rated flow
Max. Temp./Pressure (Metal HP Housing)	200 °F/500 PSIG
Max./Pressure (Auto Float Drain)	250 PSIG
Max./Pressure (Manual Drain)	500 PSIG
Approx. Weight (lb.)	3.5 - 40.0
ISO Class	3 Particulate

For higher pressure units, consult factory.



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Order Guide

Manual Drain

Model Number	Port Size	Flow	Element Part Number	Manual Drain	O-ring	Dimensions (in.)		
						Height	Width	Depth
1P-060-M04-PHP	½"	60	1P-060	RTi-PC-002	KSG-005	10.0	3.1	3.0
1P-175-M08-PHP	1"	175	1P-175	RTi-PC-002	OR-235	15.4	4.6	3.7
1M-300-M12-PHP	1½"	300	1M-300	BV-051	PHC-036	33.0	6.0	5.7
1M-400-M16-PHP	2"	400	1M-400	BV-051	PHC-036	33.0	6.0	5.7
1M-700-M16-PHP	2"	700	1M-700	BV-051	PHC-036	33.0	6.0	5.7
1M-1200-M24-PHP	3"	1200	1M-1200	BV-051	PHC-032	40.0	8.0	7.3

Dimensions (in.)		
Height	Width	Depth
10.0	3.1	3.0
15.4	4.6	3.7
33.0	6.0	5.7
33.0	6.0	5.7
33.0	6.0	5.7
40.0	8.0	7.3

Automatic Drain

Model Number	Port Size	Flow	Element Part Number	Auto Drain	O-ring	Dimensions (in.)		
						Height	Width	Depth
1P-060-M04-FHP	½"	60	1P-060	AD-12	N32-95-257	10.0	3.1	3.0
1P-175-M08-FHP	1"	175	1P-175	AD-12	N32-95-235	15.4	4.6	3.7
1M-300-M12-FHP	1½"	300	1M-300	TD5	PHC-036	37.0	6.0	5.7
1M-400-M16-FHP	2"	400	1M-400	TD5	PHC-036	37.0	6.0	5.7
1M-700-M16-FHP	2"	700	1M-700	TD5	PHC-036	37.0	6.0	5.7
1M-1200-M24-FHP	3"	1200	1M-1200	TD5	PHC-032	44.0	8.0	7.3

Dimensions (in.)		
Height	Width	Depth
10.0	3.1	3.0
15.4	4.6	3.7
37.0	6.0	5.7
37.0	6.0	5.7
37.0	6.0	5.7
44.0	8.0	7.3

Specifications

Port Sizes	½", 1", 1½", 2", 3"
Thread Styles	NPT
Flow Capacity	60/150/300/400/700/1200 SCFM @ 100 PSI
Filter Capacity	0.01 micron & larger
Differential Pressure	< 1.5 PSID at rated flow
Max. Temp./Pressure (Metal HP Housing)	200 °F/500 PSIG
Max. Temp./Pressure (Auto Float Drain)	250 PSIG
Max. Temp./Pressure (Manual Drain)	500 PSIG
Approx. Weight (lb.)	3.5 - 40.0
ISO Class	1 Particulate/Oil

For higher pressure units, consult factory.



Water
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Order Guide

Manual Drain

Model Number	Port Size	Flow	Element Part Number	Manual Drain	O-ring	Dimensions (in.)		
						Height	Width	Depth
3C-060-M04-PHP	½"	60	3C-060	RTi-PC-002	KSG-005	10.0	3.1	3.0
3C-150-M08-PHP	1"	150	3C-150	RTi-PC-002	OR-235	15.4	4.6	3.7
3C-300-M12-PHP	1½"	300	3C-300	BV-051	PHC-036	33.0	6.0	5.7
3C-400-M16-PHP	2"	400	3C-400	BV-051	PHC-036	33.0	6.0	5.7
3C-700-M16-PHP	2"	700	3C-700	BV-051	PHC-036	33.0	8.0	5.7
3C-1200-M24-PHP	3"	1200	3C-1200	BV-051	PHC-032	40.0	8.0	7.3

Dimensions (in.)		
Height	Width	Depth
10.0	3.1	3.0
15.4	4.6	3.7
33.0	6.0	5.7
33.0	6.0	5.7
33.0	8.0	5.7
40.0	8.0	7.3

Automatic Drain

Model Number	Port Size	Flow	Element Part Number	Auto Drain	O-ring	Dimensions (in.)		
						Height	Width	Depth
3C-060-M04-FHP	½"	60	3C-060	AD-12	N32-95-257	10.0	3.1	3.0
3C-150-M08-FHP	1"	150	3C-150	AD-12	PHC-035	15.4	4.6	3.7
3C-300-M12-FHP	1½"	300	3C-300	TD5	PHC-036	37.0	6.0	5.7
3C-400-M16-FHP	2"	400	3C-400	TD5	PHC-036	37.0	6.0	5.7
3C-700-M16-FHP	2"	700	3C-700	TD5	PHC-036	37.0	6.0	5.7
3C-1200-M24-FHP	3"	1200	3C-1200	TD5	PHC-032	44.0	8.0	7.3

Dimensions (in.)		
Height	Width	Depth
10.0	3.1	3.0
15.4	4.6	3.7
37.0	6.0	5.7
37.0	6.0	5.7
37.0	6.0	5.7
44.0	8.0	7.3

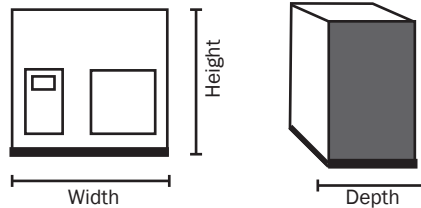
Features & Benefits

- Unique, energy efficient cycling dryer reduces costs up to 80%
- Compact size for easy fit
- Automatic timer drain (with manual override)
- No gas expansion valve = no freezing up
- Low maintenance, long life design
- On/Off switch with multi-function display



Specifications

- 20-2000 SCFM, depending on model
- Port sizes: ¼" - 4"
- Maximum work: 230 PSIG
- Maximum temperature: 158 °F
- Maintains constant dew point: 38 °F



Order Guide

Cycling

Model Number	Air Flow (SCFM)	Pressure Drop (PSI)	Air Connection (NPT)	Net Weight (lb.)	Height (in.)	Width (in.)	Depth (in.)
RD 0025	25	0.7	½"	46	16	14	12
RD 0035	35	1.1	½"	48	16	14	12
RD 0050	50	0.4	1"	79	25	15	20
RD 0075	75	0.8	1"	90	25	15	20
RD 0100	100	1.4	1"	93	25	15	20
RD 0125	125	1.3	1"	165	34	27	20

Non-Cycling

Model Number	Air Flow (SCFM)	Pressure Drop (PSI)	Air Connection (NPT)	Net Weight (lb.)	Height (in.)	Width (in.)	Depth (in.)
RDNC 0020	20	1.3	½"	55	19	15	20
RDNC 0035	35	2.0	½"	62	19	15	20
RDNC 0050	50	4.6	½"	71	19	15	20
RDNC 0075	75	3.5	1"	75	29	14	17
RDNC 0100	100	2.3	1¼"	86	29	14	18
RDNC 0150	150	4.9	1¼"	90	29	14	18

Call factory for various power supply options for each model.

Specifications

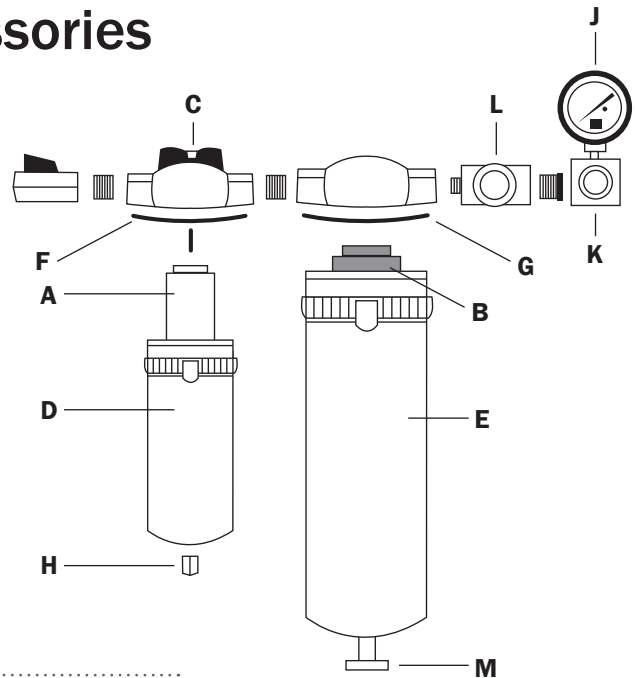
Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	25 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger Activated Carbon Oil Absorption to 0.003 PPM
Differential Pressure	< 5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	14.0
ISO Class	2 Particulate/Oil & 2 Pressure Dew Point



Water
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Water Vapor
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Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	4P-060
B Replacement Element, 2nd Stage	DE401
C Differential Pressure Indicator	N32-W1-DPi
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assy, 1st Stage (Bowl, Drain, O-ring)	N34-95-201
E Bowl Assy, 2nd Stage (Bowl, Drain, O-ring)	N34-15-180
F O-ring, 1st Stage	N32-95-257
G O-ring, 2nd Stage	N32-95-256
H Automatic Float Drain, 1st Stage	N32-95-979
J Pressure Gauge	PG-160
K Regulator, 1/4"	R79
L Sight Glass	RTi-SG-651
M Petcock Drain	PC-03



Order Guide

	Port Size	Model Number	Dimensions (in.)		
			Height	Width	Depth
1/4" Regulator & Gauge Assembly	1/4"	E4000-2	19.0	17.0	5.4
	3/8"	E4000-3	19.0	17.0	5.4
	1/2"	E4000-4	19.0	17.0	5.4
No Regulator & Gauge Assembly	1/4"	N4000-2	19.0	14.0	5.4
	3/8"	N4000-3	19.0	14.0	5.4
	1/2"	N4000-4	19.0	14.0	5.4



Specifications

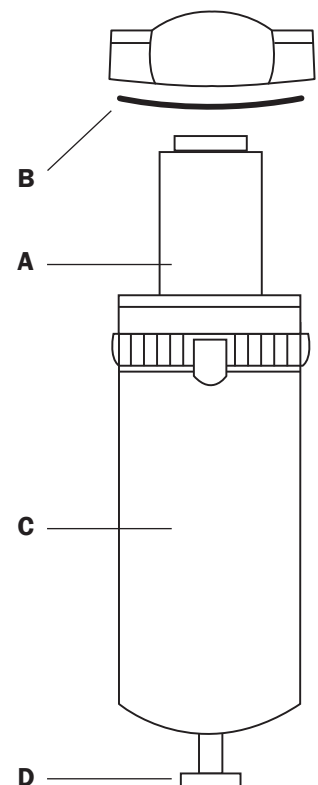
Port Sizes	1/4", 1/2"
Thread Styles	NPT
Flow Capacity	25 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger
Differential Pressure	<5.0 PSID at rated flow
Max. Temp./Pressure (Aluminum Bowl)	175 °F/200 PSIG
Max. Temp./Pressure (Polycarbonate Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	5.0-8.0
ISO Class	2 Particulate/Oil & Class 2 Pressure Dew Point



Water
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Water Vapor
 Odor

Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st stage	DE301/DE350/DE401
B O-ring for DE350-P02/P04 & DE401-M04	N32-95-256
B O-ring for DE301-M04	N32-95-257
C Bowl Assembly for DE301-M04 (Bowl, Drain, O-ring)	N34-95-201
C Bowl Assembly for DE350-P02/P04 (Bowl, Drain, O-ring)*	N32-15-167
C Bowl Assembly for DE401-M04 (Bowl, Drain, O-ring)	N34-15-180
D Manual Brass Petcock Drain for DE350-P02/P04	N32-95-182
D Petcock Drain for DE301-M04	PC-02
D Petcock Drain for DE401-M04	PC-03
Sight Glass Assembly: for DE401-M04	RTi-SG-651



Order Guide

Model Number	Port Size	Bowl Type	Flow Capacity (SCFM)	Dimensions (in.)		
				Height	Width	Depth
DE350-P02	1/4"	Poly	10	13.6	5.2	4.8
DE350-P04	1/2"	Poly	10	13.6	4.6	4.8
DE301-M04	1/2"	Metal	8	9.9	3.9	3.9
DE401-M04	1/2"	Metal	10	16.5	6.8	4.8

*Poly bowls come with metal bowl guard

Specifications

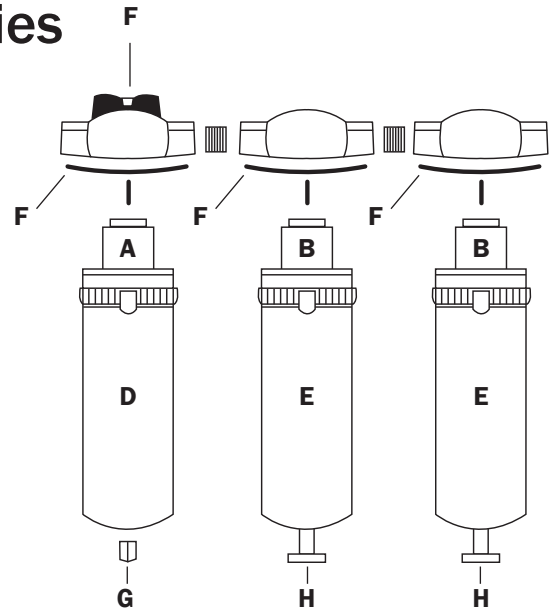
Port Sizes	¾", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	25 SCFM @ 100 PSI
Filter Capacity	1.0 micron & larger Activated Carbon Oil Adsorption to 0.003 PPM < 5.0 PSID at rated flow
Differential Pressure	
Max. Temp./Pressure (Aluminum Bowl)	125 °F/150 PSIG
Approx. Weight (lb.)	25.0
ISO Class	1 Particulate/Oil & 2 Pressure Dew Point



Water
Dirt
Oil
Oil Vapor
Water Vapor
Odor

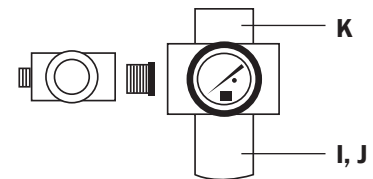
Replacement Parts & Accessories

Description	Part Number
A Replacement Element, 1st Stage	4P-090 (E6000) 4P-150 (E8000)
B Replacement Element, 2nd & 3rd Stage	DE6000
C Differential Pressure Indicator	N32-W1-DPI
C Blanking Cap (Cover for Indicator)	N32-95-020
D Bowl Assembly, 1st Stage (Bowl, Drain, O-ring)	N34-15-178
E Bowl Assembly, 2nd & 3rd Stage (Bowl, Drain, O-ring)	N34-15-180
F O-ring	N32-95-256
G Automatic Float Drain, 1st Stage	N32-95-979
H Manual Brass Drain, 2nd Stage & 3rd Stage	PC-03
I Replacement Regulator, ¾" (E6000)	NAR5000-N06
J Replacement Regulator, 1" (E8000)	R1000HD-G
K Replacement Gauge	KSG-008



Order Guide

Model Number	Port Size	Dimensions (in.)		
		Height	Width	Depth
E6000	¾"	18.0	30.0	5.0
E8000	1"	18.0	30.0	5.0



Specifications

For All DRAD units

- Requires 110 volt service
- Max. inlet pressure 100 PSI on units up to 30 SCFM, 150 PSI on larger dryers
- 1.0 to 0.01 micron filtration capacity
- 100 °F Inlet air temperature
- 100 °F Ambient



DRAD 4 to 60

- Compact Design
- Two (2) moving parts
- -40 °F, -100 °F dewpoints
- Flow rates from 4-60 SCFM
- ISO Class 1 dewpoint
- Complete packages include: dryer, two (2) stage pre-filter and after-filter



DRAD 80 to 250

- Pilot Air Filter
- Separate drain and fill port
- Tower pressure gauge
- ASME code construction and stamped pressure vessels (6" diameter and larger)
- Front mounted control panel
- NEMA 4 electrical enclosure on units over 30 SCFM
- On/Off Switch
- Pre-piped and mounted pre-filter and after-filter
- Purge exhaust piston valve
- Non-lubricated inlet valve
- Structural steel frame with floor stand
- Full charge of desiccant
- Safety pressure relief valve for each tank
- Fail safe design against power failure: bi-directional piston valve remains in the same position to ensure air-flow throughout dryer without interruption
- Field adjustable timer cycle: 4, 10, or 15 minutes
- High efficiency angle body piston purge valve
- Springload check valves
- Stainless steel inlet/outlet diffusers
- -40 °F, -100 °F dewpoints
- 250 PSI
- Filters mounted

Order Guide

Model Number	Air Flow (SCFM)	Air Connection (NPT)	Net Weight (lb.)	Height (in.)	Width (in.)	Depth (in.)
DRAD-4	4	1/4"	25	20.5	9.5	4.6
DRAD-8	8	1/4"	30	27.5	9.8	4.6
DRAD-15	15	3/8"	45	45.0	9.8	4.6
DRAD-25	25	3/8"	65	51.0	10.5	4.6
DRAD-30	30	3/8"	72	58.0	10.5	4.6
DRAD-50	50					
DRAD-60	60					
DRAD-80	80	3/4"	550	76.0	24.0	34.0
DRAD-100	100	1"	690	76.0	24.0	34.0
DRAD-150	150	1"	710	76.0	36.0	40.0
DRAD-250	250	1 1/2"	1010	83.0	40.0	44.0

Literature Sheet: i015, i050, i053

Filters & Filter/Regulators

- Light weight acetal body with polyamide bowl
- Filter/Regulator with glass face chrome gauge
- Low pressure drop
- Semi-automatic drain with manual override
- Filter with adjustable 0-120 PSI regulator
- Can be wall mounted or panel nut mounted



Lubricators

- Light weight acetal body with polyamide bowl
- Siphon tube filter provides clean lubricant down stream
- Adjustable oil feed with tamper-proofing capability
- Can be filled while under pressure



Order Guide

Filters

Model Number*	Port Size (in.)	Flow Capacity (SCFM)	Maximum Supply Pressure (PSIG)	Maximum Operating Temp. (°F)	Filter Capacity	Dimensions Height x Width x Depth (in.)	Mod Kit
RT-F250	¼"	30	230	120	5 micron	5.75 x 1.65 x 1.65	MOD250
RT-F380	⅜"	80	180	120	5 micron	6.85 x 2.49 x 2.05	MOD375
RT-F500	½"	80	180	120	5 micron	8.03 x 2.95 x 2.49	MOD500

Filter/Regulators

RT-FR250-G	¼"	30	230	120	5 micron	7.80 x 1.65 x 1.65	MOD250
RT-FR380-G	⅜"	80	180	120	5 micron	9.41 x 2.49 x 2.05	MOD375
RT-FR500-G	½"	80	180	120	5 micron	10.87 x 2.95 x 2.49	MOD500

Lubricators

L250	¼"	30	230	120	42	6.18 x 1.65 x 1.65	--
L380	⅜"	80	180	120	68	7.95 x 2.05 x 2.49	--
L500	½"	80	180	120	140	8.94 x 2.49 x 2.95	--

* To order Filter/Regulator without gauge, substitute "-0" for "-G" in model number.

Accessories & Replacement Parts

Filters

Part Number	Replacement Element	Replacement Gauge	Bowl Assy	O-Ring	Mounting Bracket (Optional)
RT-F250	F250-E	--	F250-BMD	F250-OR	F250-BKT
RT-F380	F380-E	--	F380-BMD	F380-OR	F380-BKT
RT-F500	F500-E	--	F500-BMD	F500-OR	F500-BKT

Filter/Regulators

RT-FR250-G	FR250-E	PG-160-1.5CB	F250-BMD	F250-OR	F250-BKT
RT-FR380-G	FR380-E	PG-160-1.5CB	F380-BMD	F380-OR	F380-BKT
RT-FR500-G	FR500-E	PG-160-1.5CB	F500-BMD	F500-OR	F500-BKT

Filter/Regulators for Natural Gas

- Threaded metal bowl for ease of maintenance
- No brass or soft metals present
- 3 micron filtration
- Machined anodized aluminum, viton seals
- Non-relieving regulator, 10-130 PSIG



Order Guide

Filter/Regulators for Natural Gas

Model Number	Port Size (in.)	Flow Capacity (SCFM)	Height (in.)	Width (in.)	Depth (in.)	Replacement Element
FRC3-M02-NRP-GS	¼"	84	10.7	2.6	2.6	RTi-21037
FRC3-M02-NRP-G	¼"	84	10.7	2.6	2.6	RTi-21037
FRC3-M02-NRD-G	¼"	84	10.7	2.6	2.6	RTi-21037
FRC3-M03-NRP-GS	⅜"	108	10.7	2.6	2.6	RTi-21037
FRC3-M03-NRP-G	⅜"	108	10.7	2.6	2.6	RTi-21037
FRC3-M03-NRD-G	⅜"	108	10.7	2.6	2.6	RTi-21037
FRC3-M04-NRP-GS	½"	108	10.7	2.6	2.6	RTi-21037
FRC3-M04-NRP-G	½"	108	10.7	2.6	2.6	RTi-21037
FRC3-M04-NRD-G	½"	108	10.7	2.6	2.6	RTi-21037

Heavy Duty FRLs

Model Number	Filter	Regulator	Lubricator	Max. Temp (°F)	Max. Pressure (PSI)	Flow Capacity (SCFM)
3P-060-M02-FRL	3P-060-M02-F	R250HD-G	L250HDM	175	150	60
3P-060-M03-FRL	3P-060-M03-F	R380HD-G	L380HDM	175	150	60
3P-060-M04-FRL	3P-060-M04-F	R500HD-G	L500HDM	175	150	60
3P-090-M06-FRL	3P-090-M06-F	R750HD-G	L750HDM	175	150	90
3P-150-M08-FRL	3P-150-M08-F	R1000HD-G	L1000HDM	175	150	150

Regulators & Gauges

- Light weight, non-corrosive construction
- All Stainless steel inserts on MR Series Regulators
- Panel nut included
- Excellent reliability



Non-Corrosive
Acetal Resin



316 Stainless
Steel



Brass



Model Number (for unit w/gauge*)	Material	Flow Capacity (SCFM)	Adjusting Range Pressure (PSIG)	Port Size (NPT)	Max. Supply Pressure (PSIG)	Max. Operating Temp. (°F)	Dimensions (in.) Diameter (A) x Height (B)
R250SSMINI-G**	316 Stainless Steel/Acetal	18	5-60	1/4" ***	250	200	1.4 x 2.8
R250BRMINI6-G	Brass/Acetal	18	5-60	1/4" ***	250	175	1.4 x 2.8
R250SSMINI-G**	316 Stainless Steel/Acetal	18	10-130	1/4" ***	250	200	1.4 x 2.8
R250BRMINI-G	Brass/Acetal	18	10-130	1/4" ***	250	175	1.4 x 2.8
MR0030-01G	Acetal Resin	30	0-30	1/8"	230	125	1.6 x 3.0
MR0060-01G	Acetal Resin	30	0-60	1/8"	230	125	1.6 x 3.0
MR0120-01G	Acetal Resin	30	0-120	1/8"	230	125	1.6 x 3.0
MR1030-02G	Acetal Resin	30	0-30	1/4"	230	125	1.6 x 3.0
MR1060-02G	Acetal Resin	30	0-60	1/4"	230	125	1.6 x 3.0
MR1120-02G	Acetal Resin	30	0-120	1/4"	230	125	1.6 x 3.0

* To order without gauge, omit '-G' from the model number.

** Stainless Steel Unit, NACE Compliant MR0175 STD, Low pressure drop, fluorocarbon diaphragm/seals.

*** Also available in 1/8" NPT ports & non-relieving types. Call factory for options.

Replacement Gauges



PG-160

2" Diameter Gauge,
0-160 PSI
1/8" Bottom Mount
(E4000 Dryers)



PG-030-15C

1.5" Diameter Gauge,
0-30 PSI
1/8" Centered Back
(MR Series)



PG-060-1.5-CB

1.5" Diameter Gauge,
0-60 PSI
1/8" Centered Back
(MR Series)



PG-160-1.5-CB

1.5" Diameter Gauge,
0-160 PSI
1/8" Centered Back
(MR & FR
Piggyback Series)



KSG-008

2" Diameter Gauge,
0-160 PSI
1/4" Centered Back
(HD Regulator Series)

Heavy Duty: Regulators

- Rugged, heavy duty high-flow design
- All metal, corrosion-resistant anodized aluminum body
- Tee handle knob, relieving type regulator
- Chemically resistant Buna N diaphragm
- Gauge included with units (also available without gauge)
- Lockout valves available
- 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" NPT ports available
- Higher pressure units available—call factory.

Model Number (for unit w/gauge*)	Flow Capacity (SCFM)	Adjusting Range Pressure (PSIG)	Port Size (NPT)	Max. Supply Pressure (PSIG)	Max. Operating Temp. (°F)	Weight (lb.)	Dimensions (in.) Diameter x Height
R250HD-G	86	10-130	1/4"	250	175	1.2	2.3 x 4.6
R380HD-G	100	10-130	3/8"	250	175	1.2	2.3 x 4.6
R500HD-G	108	10-130	1/2"	250	175	1.2	2.3 x 4.6
R500HD-SS-G**	108	10-130	1/2"	250	200	1.2	2.3 x 4.6
R750HD-G	175	10-130	3/4"	250	175	3.2	3.8 x 6.8
R1000HD-G	300	10-130	1"	250	175	3.2	3.8 x 6.8
R1250HD-G	450	10-130	1 1/4"	250	175	3.9	4.0 x 6.8
R1500HD-G	450	10-130	1 1/2"	250	175	3.9	4.0 x 6.8

Inlet pressure 100 PSIG (6.9 BAR). Secondary pressure 80 PSIG (5.5 BAR).

* To order without gauge, omit 'G' from the model number.

** Stainless Steel Unit, NACE Compliant MR0175 STD, Low pressure drop, fluorocarbon diaphragm/seals.



316 Stainless Steel



Anodized Aluminum

Model Number	Replacement Gauge	Repair Kit	Tamper-proof Lock Out Valve	Tamper-proof Lock Assembly
R250HD-G	KSG-008	R250HD-RK	R250HD-LO	R250HD-TLK
R380HD-G	KSG-008	R380HD-RK	R380HD-LO	R380HD-TLK
R500HD-G	KSG-008	R500HD-RK	R500HD-LO	R500HD-TLK
R750HD-G	KSG-008	R750HD-RK	R750HD-LO	R750HD-TLK
R1000HD-G	KSG-008	R1000HD-RK	R1000HD-LO	R1000HD-TLK
R1250HD-G	KSG-008	R1250HD-RK	R1250HD-LO	R1250HD-TLK
R1500HD-G	KSG-008	R1500HD-RK	R1500HD-LO	R1500HD-TLK

Filters

- Filters to 3 micron
- Anodized Aluminum housing with manual or auto drain
- Threaded bowl for ¼" to ½" sizes
- Optional sight glass available
- Economic and durable



Model Number with auto drain*	Flow (SCFM)	Maximum Supply Pressure (PSIG)	Port Size (NPT)	Maximum Operating Temp (°F)	Weight (lb.)	Dimensions (in.) Diameter x Height
F250HDMF	30	250	¼"	200	3.0	2.5 x 6.5
F380HDMF	75	250	⅜"	200	3.0	2.5 x 6.5
F500HDMF	85	250	½"	200	3.0	2.5 x 6.5
F750HDMF	175	250	¾"	200	4.0	3.8 x 8.0
F1000HDMF	240	250	1"	200	4.0	3.8 x 8.0
F1250HDMF	320	250	1¼"	200	4.5	4.0 x 10.5
F1500HDMF	400	250	1½"	200	4.5	4.0 x 10.5

*For model with manual drain, replace "F" with "P". For model with optional sight glass, add "T" to end of model number.

Lubricators

- Rugged, heavy duty high-flow design
- Anodized Aluminum housing
- Siphon tube filter provides clean lubricant downstream
- Twist-off easy bowl removal
- Adjustable oil feed with tamper-proofing capability
- Can be filled while under pressure
- ¼" through 1½" NPT ports available



Model Number	Flow (SCFM)	Maximum Supply Pressure (PSIG)	Port Size (NPT)	Maximum Operating Temp (°F)	Weight (lb.)	Dimensions (in.) Diameter x Height
L250HDM	40	250	¼"	200	3.0	2.5 x 6.9
L380HDM	100	250	⅜"	200	3.0	2.5 x 6.9
L500HDM	120	250	½"	200	3.0	2.5 x 6.9
L750HDM	190	250	¾"	200	4.0	3.8 x 11.3
L1000HDM	270	250	1"	200	4.0	3.8 x 11.3
L1250HDM	600	250	1¼"	200	4.5	4.0 x 11.6
L1500HDM	750	250	1½"	200	4.5	4.0 x 11.6

Rotary Screw 5-100 HP

Units employ 100% duty cycle, eliminating overwork of the compressor.

Simple maintenance and once-a-year oil change make this series a perfect fit for body shops and many other applications.

- Available 5-100 HP
- Operating pressures from 100-180 PSI
- Low speed rotors on air end for long life
- Less than 3 PPM oil carry over
- One (1) solenoid valve operates machine
- Quiet operation
- Spin on separator and oil filter
- Oil after-cooler on all models
- 8000 hour full synthetic oil standard
- 125, 150, 175 operating pressure at no extra charge
- Analog controls: No unnecessary/unreliable microprocessor
- 5 year extended warranty available for air end
- German air end components

Model Number	HP	Vert /Horiz	ACFM at 125 PSI	ACFM at 150 PSI	Tank Size	Air End	Voltage Info	Amps at 230 Volt
RSH-835-19-B	5	H	19.0	18.0	80	NK31	208-230/480/3	16
RSH-837.5-29-B	7.5	H	29.0	26.0	80	NK31	208-230/480/3	18
RSH-8310-42-B	10	H	42.0	40.0	80	NK31	208-230/480/3	28
RSH-12315-68-B	15	H	68.0	55.0	120	NK62	208-230/480/3	42

Single phase, vertical, and enclosed configurations available. Please contact factory for full product line.



Screw



Piston

Piston 5-15 HP

The Industrial Series compressors are designed for heavy duty automotive and industrial applications.

CA2 pumps are manufactured for durability and run at low RPM to provide reliable air for your application.

- Solid cast-iron pump
- Disc and spring valves
- Centrifugal unloader
- Low pump RPM
- Oil sight glass
- Oil drain and fill on front of compressor pump
- Heavy duty NEMA motors
- OSHA style totally enclosed belt guard
- ASME code receivers
- Needle bearings

Model Number	HP	Vert /Horiz	ACFM at 125 PSI	ACFM at 175 PSI	Tank Size	Voltage Info	Amps at 230 Volt
PV-815-19-B	5	V	19.0	17.5	80	208-230/1	24
PV-837.5-32-B	7.5	V	32.1	28.0	80	208-230/480/3	18
PH-837.5-32-B	7.5	H	32.1	28.0	80	208-230/480/3	18
PV-8310-37-B	10	V	36.9	35.4	80	208-230/480/3	28
PH-8310-37-B	10	H	36.9	35.4	80	208-230/480/3	28

Single phase, vertical, and enclosed configurations available. Please contact factory for full product line.

Literature Sheet: Ai002, Ai007



BRAD-BD1 includes:
Pre-filter, Final Filter, CO Monitor, Heavy Duty Regulator with 0-160 PSI Gauge, MR-1 Mini Regulator

- Monitors Grade "D" Breathable Air
- Ultra lightweight design
- Activated carbon pre-filter for hydrocarbon removal to 0.003 PPM
- 0.01 micron final filter—fine particulate and oil removal at 99.9998%
- Dual ½" outlets with ¼" high flow quick disconnects provided
- Rated for up to 60 SCFM
- Heavy duty, high flow regulator assembled with FDA lubricant
- 0-60 PSIG mini-regulator controls air pressure to monitor
- Low purge loss through monitor
- 110 Volt AC Electrical
- 1-2 operators
- Easy Install: Assembly is mounted on a ¾" board



BRAD-CM3
CO Monitor

Parts & Accessories

Description	Part Number
A Full Face Mask Assy. with Flow Control Valve	BRAD-M1C
B Flip Up Mask Assy. with Flow Control Valve	BRAD-M2C
C Disposable Hood Assy. with Flow Control Valve	BRAD-M3C
D Peel Off Lens (25 pack for BRAD-M1C)	BRAD-M1-LC
E Peel Off Lens (10 pack for BRAD-M2C)	BRAD-M2-LC
F Peel off Lens (10 pack for BRAD-M3C)	BRAD-M3-LC
G Breathing Air Hose, 35'	HVHA-B35C
H Breathing Air Hose, 50'	HVHA-B50C
I Humidifer	BRAD-HD1
J Vordex Cooler	BRAD-VC
K Heavy Duty Regulator, ½"	R500HD
L Gauge, 0-160 PSIG (for R500HD)	PG-160
M Mini Regulator	MR1060-020
N Gauge, 0-160 PSIG (for MR1060-020)	PG-060-1.5-CB
Replacement Hood	BRAD-M3-RH
1 Year Element Kit Includes: (2) 3C-061, (4) 4P-060	BRAD-01C-MK



A



B



C



D, E, F



G, H



I



J



K



L



M



N

3 mask styles available with operator kits. Contact factory for options.

Standard Automatic Replacement Drains



N32-95-973

Auto Float,
Plastic
3/8" Tube Outlet



N32-95-978

Auto Float,
Brass with
Manual Override
1/8" NPT Outlet



N32-95-979

Auto Float,
Composite/Plastic
1/4" NPT Outlet



N32-95-XD8

Auto Float,
External Bowl
1/2" NPT Inlet
3/4" NPT Outlet



HPD600-03, -04

Auto Float,
High Pressure/
Condensate

Standard Manual Replacement Drains



PC-02

1/4" Petcock Brass



PC-03

3/8" Petcock Brass



BV-051

1/2" Ball Valve with Handle

Additional Drip Leg & Receiver Tank Drains



ED-2-4

Electronic Timer Drain
110 Volts AC
-Adjustable discharge
-Span & Interval with
Manual Override
-Includes Brass Strainer
with shut-off valve for
easy maintenance



TD-5

Tank Drain
Combination Automatic
Float & Manual
Petcock Drain



RTi-MGD Mini MAG

Compact magnetic Zero
Air Loss Drain
- use in conjunction with
JBVY-500-M
(Magnetic Y-Strainer
with valve)



RTi-POD-DC

Automatic Zero Air
Loss Drain up to
3500 SCFM



3P-150-M08-FiST

Unit with Stand:
Eliminizer®, 150 SCFM*
1" NPT with Stand



3P-060-M04-FRLST

FRL Unit with Stand:
Eliminizer®, 60 SCFM*
½" NPT with Stand



EH-STAND

Stand Only:
Eliminator® II
Demo Unit



3P-150-M08-DCST

Combo Unit with Stand:
Eliminizer® Combo,
150 SCFM*
1" NPT with Stand

* Consult factory for additional filter units available with stand.



1M-700-M16-PST (700 SCFM)
1M-1200-M24-PST (1200 SCFM)

Unit with Stand:
Portable Eliminex® Filter with
Heavy Duty Stand
Shown with
optional MAG11 drain



RT-FMR-1

Display Kit, 12" x 18"
¼" & ½" Filter-Regulator
and Mini Regulator
Comes with mounting hardware

The **RT-FMR-1** is the perfect visual for our filter-regulators.

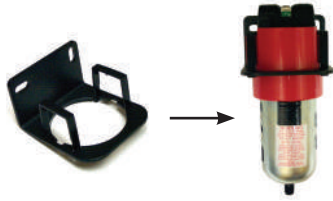
Efficient sales tool with informational text and order info on a heavy duty laminate poster for mounting to peg board.

Comes with product images printed on the board should you sell your display model - convenient while waiting for replacement stock.

Features:

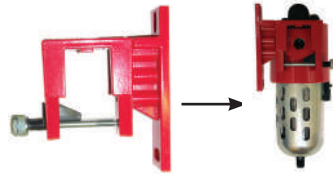
- RT-FR250-G**
- RT-FR500-G**
- MR1120-02G**

Mounting Brackets



GPA-95-016
20 SCFM only
Wall Mounted

Example
3P-020-M02-Fi
mounted with
GPA-95-016



N34-95-969
20 SCFM only
(Can be used to connect combo unit modularly)

Example
3P-020-M02-Fi
mounted with
N34-95-969



BK-1
60 SCFM Only
Wall Mounted
(Combo units require two)



PB-004
1/2" Models Only
Supports units on pipe
(Units can still rotate)



N32-95-734
1/4" - 1" units
1/4" x 1/2" slots
on 1 1/2" centers
(universal)

Differential Pressure Indicator



N32-W1-DPI
Differential pressure indicator
(used on most models 1/4" - 2" NPT)



N32-95-020
Blanking cap
(To replace indicator)

High Flow Couplers & Plugs

Easy Assembly/Disassembly • High Quality Brass Construction • High Pressure Applications • 1/4" (-1), 3/8" (-3)



HFFC-3



HFFC-1



HFFP-3



HFFP-1



HFMC-3



HFMC-1



HFMP-3



HFMP-1

Compatible with our PH35C Conductive hoses. Consult factory

For Eliminex® Units

1P-060	60 SCFM
1P-090	90 SCFM
1P-120	120 SCFM
1P-150	150 SCFM
1P-175	175 SCFM
1M-300	300 SCFM
1M-400	400 SCFM
1M-700	700 SCFM
1M-1200	1200 SCFM
1M-2500	2500 SCFM
1M-5500	5500 SCFM



**1P
&
1M**

3.0 Micron & Larger

Media:
Washable Stainless Steel Mesh

For Coalescing Units

3C-020	20 SCFM
3C-021*	20 SCFM
3C-060	60 SCFM
3C-061*	60 SCFM
3C-090	90 SCFM
3C-091*	90 SCFM
3C-150	150 SCFM
3C-151*	150 SCFM
3C-250	250 SCFM
3C-251*	250 SCFM
3C-300	300 SCFM
3C-301*	300 SCFM
3C-400	400 SCFM
3C-401*	400 SCFM
3C-700	700 SCFM
3C-701*	700 SCFM
3C-1200	1200 SCFM
3C-1201*	1200 SCFM
3C-1900	1900 SCFM
3C-3000	3000 SCFM



3C

0.01 Micron & Larger

Media:
Long lasting borosilicate material

* Grade 1: A finer grade coalescing element with a rating of 0.01 micron at 99.99998% Grade 2 is standard

For Eliminizer® Units

3P-020	20 SCFM
3P-035	35 SCFM
3P-060	60 SCFM
3P-090	90 SCFM
3P-150	150 SCFM



3P

1.0 Micron & Larger

Media:
Stainless Steel Mesh &
Woven Cotton/
Polyester Blend

For Desiccant Dryers

DE301	?? SCFM
DE350	?? SCFM
DE401	?? SCFM
DE6000	?? SCFM

??????????

Media:
Activated Alumina
desiccant beads



DE

For Oil Extractor Units

4P-060	60 SCFM
4P-090	90 SCFM
4P-150	150 SCFM



4P

1.0 Micron & Larger

Media:
Stainless Steel Mesh,
Woven Cotton &
Activated Carbon

Elements are shown clear for demonstration only.
Crossover elements are available. Call factory for more information.

RTi-QAT Kit: Quality Air Tester

In just a few minutes, you could save thousands of dollars by identifying the 3 major causes of refinish problems:

- Inadequate compressed air supply
- Compressed air humidity
- Particulate contamination

Accurately test the quality of the air in compressed air lines, filters, hoses and related equipment.

Clean dry air, free from humidity, oil, and particulate contamination is essential for many professional applications.

Excellent Sales Tool

Requires some initial training for use (recommended)

Excellent Maintenance Tool



RTi-QAT (contents)



RTi-QAT

Our kit checks critical aspects of your paint air, at the point of use & throughout the entire facility:

- Static air pressure
- Dynamic air pressure
- Air Dew Point
- Air Contamination (dirt, water, and oil)
- Air Temperature
- Relative Humidity

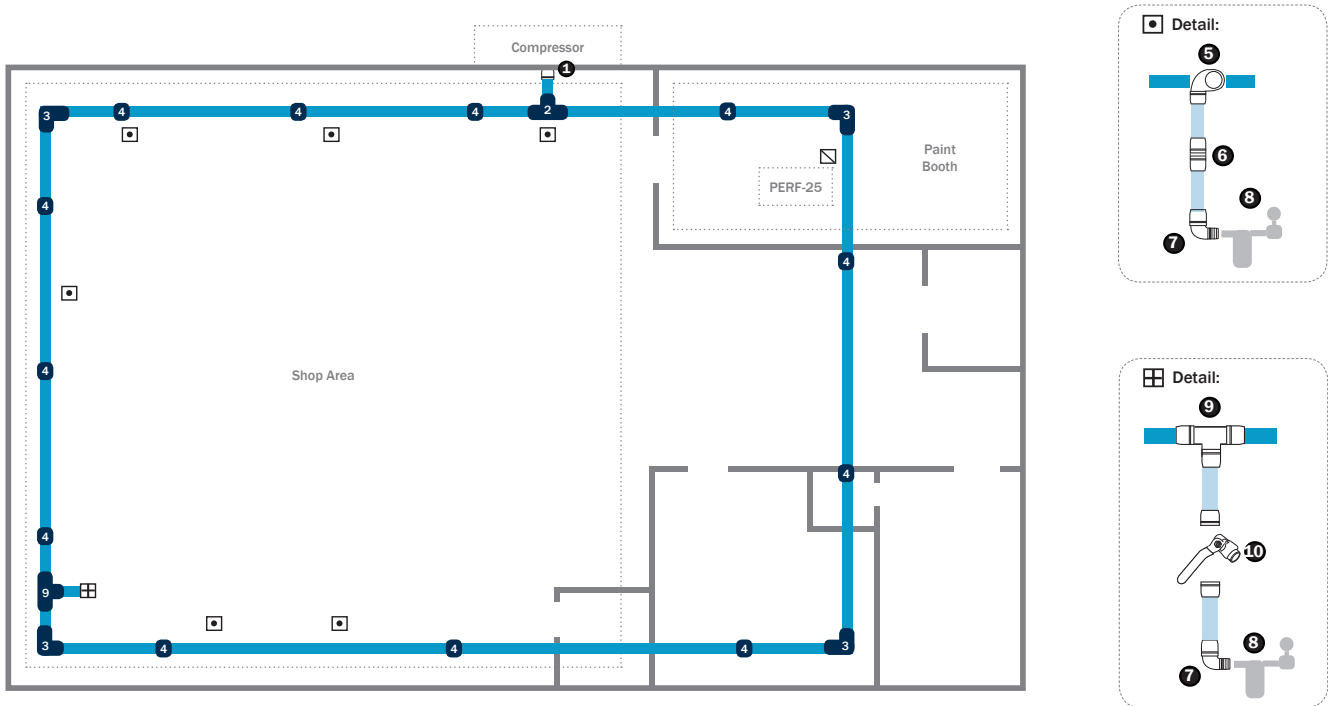
Kit contains:

- Contaminant Checker
Sampler vessel with contaminant capturing membrane disc, & magnifying lens with integral light source
- Precision air regulator
with pressure gauge to control air to vessel
- RH Humidity Checker, 0-100% Range
Measures compressed air temperature & dew point. (Paint MFR's now specify 10% RH or lower)
- Operator's Manual
with shop compressed air audit form

Modular Blue Piping Overview

Features:

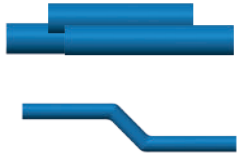
- High quality, lightweight aluminum piping
- Perfect compliment to our Perfect Air® line
- Wide variety of accessories make installation a breeze
- Easy to install, easy to change, no welding or tapping



The Case for Aluminum Piping

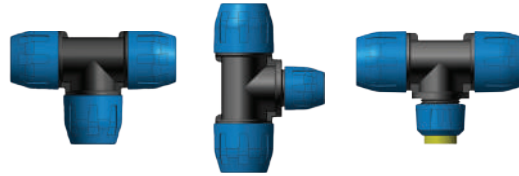
- Aluminum pipe systems are much easier to install and to modify than steel or copper pipe systems. Labor savings of 65% can be achieved, since aluminum pipe is supplied ready for use. Preparations beyond cutting, deburring, and chamfering are not required, nor are special tools needed. Aluminum pipe is calibrated, meaning that its diameter is strictly controlled. This means that associated quick connect components will fit securely.
- Aluminum pipe is much lighter than steel or copper pipe and doesn't require threading or soldering.
- The compressed air provided by a system built with aluminum piping is much cleaner than air delivered by a steel pipe system. Aluminum pipe systems can help meet the requirements of ISO 8573-1: 2010 air quality standards, should the application require it. Cleaner air also means lower maintenance costs.
- Aluminum pipe's corrosion-resistant properties mean optimal air flow, reduced energy costs, and better air quality.
- The fittings used with aluminum pipe systems fit securely and leak far less than the fittings used with threaded systems. This translates directly into energy savings and improved plant productivity.

Blue Pipe Parts and Accessories



Alum./Double Bend Alum. Pipe

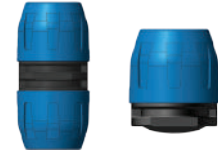
Model Number	Sizing	
	20mm	¾"
RTi-P34-20	20mm	¾"
RTi-P1-20	25mm	1"
RTi-P114-20	32mm	1¼"
RTi-P112-20	40mm	1½"
RTi-P2-20	50mm	2"
RTi-DB12	16mm	½"
RTi-DB34	20mm	¾"
RTi-DB1	25mm	1"



Equal Tee/Reducing Tee/Female NPT Tee

Model Number	Sizing	
	16mm	½"
RTi-T12	16mm	½"
RTi-T34	20mm	¾"
RTi-T1	25mm	1"
RTi-RT34-12	20 x 16mm	¾" x ½"
RTi-RT1-12	25 x 16mm	1" x ½"
RTi-RT1-34	25 x 20mm	1" x ¾"
RTi-RT114-34	32 x 20mm	1¼" x ¾"
RTi-FT34-12	20mm x ½" NPT	¾" x ½"
RTi-FT1-12	25mm x ½" NPT	1" x ½"

**Larger sizes are available



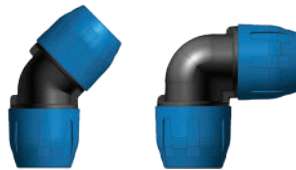
Couplers/Endcaps

Model Number	Sizing	
	16mm	½"
RTi-PC12	16mm	½"
RTi-PC34	20mm	¾"
RTi-PC1	25mm	1"
RTi-PC114	32mm	1¼"
RTi-EC12	16mm	½"
RTi-EC34	20mm	¾"
RTi-EC1	25mm	1"
RTi-EC114	32mm	1¼"



Alum. Nipple Socket (Male/Female)

Model Number	Sizing	
	20mm x ½" NPT	¾" x ½"
RTi-NSA34-12	20mm x ½" NPT	¾" x ½"
RTi-NSA34-34	20mm x ¾" NPT	¾" x ¾"
RTi-NSA1-1	25mm x 1" NPT	1" x 1"
RTi-FNSA34-12	20mm x ½" NPT	¾" x ½"
RTi-FNSA34-34	20mm x ¾" NPT	¾" x ¾"
RTi-FNSA1-1	25mm x 1¼" NPT	1" x 1"



45° Elbow/ 90° Elbow

Model Number	Sizing	
	20mm	¾"
RTi-E45-34	20mm	¾"
RTi-E45-1	25mm	1"
RTi-E90-12	16mm	½"
RTi-E90-34	20mm	¾"
RTi-E90-1	25mm	1"
RTi-E90-114	32mm	1¼"



Quick Branch Droplet (Female NPT)

Model Number	Sizing	
	25mm x ½" NPT	1" x ½"
RTi-QBT1-12	25mm x ½" NPT	1" x ½"
RTi-QBT114-12	32mm x ½" NPT	1¼" x ½"
RTi-QBT112-12	40mm x ½" NPT	1½" x ½"

Understanding the Blue Piping Part Numbering System

RTi +

- P** - Pipe
- NS** - Nipple Socket
- PC** - Socket Coupling
- E45** - 45° Elbow
- E90** - 90° Elbow
- RT** - Reducing Tee

+

- 12** - ½"
- 34** - ¾"
- 1** - 1"
- 114** - 1¼"
- 112** - 1½"

Example:

90° Elbow in ½": **RTi-E90-12**
 1" Alum. Piping (20'): **RTi-P1-20**

RTI takes pride in giving our customers an **excellent customer service experience**. From the employees in the corporate office to our regional sales managers, we strive to meet all of our customer's needs.

We are not limited to "standard" products. If you do not see what your customer needs, **ask us**. We can custom engineer a product or system that will exceed your needs and expectations.

Support for our product lines does not end after the ship date. Our regional sales managers & technical support are available each business day.

...Because your business matters.

Rely only on high-grade air tools and compressors offered on our virtual shelves.