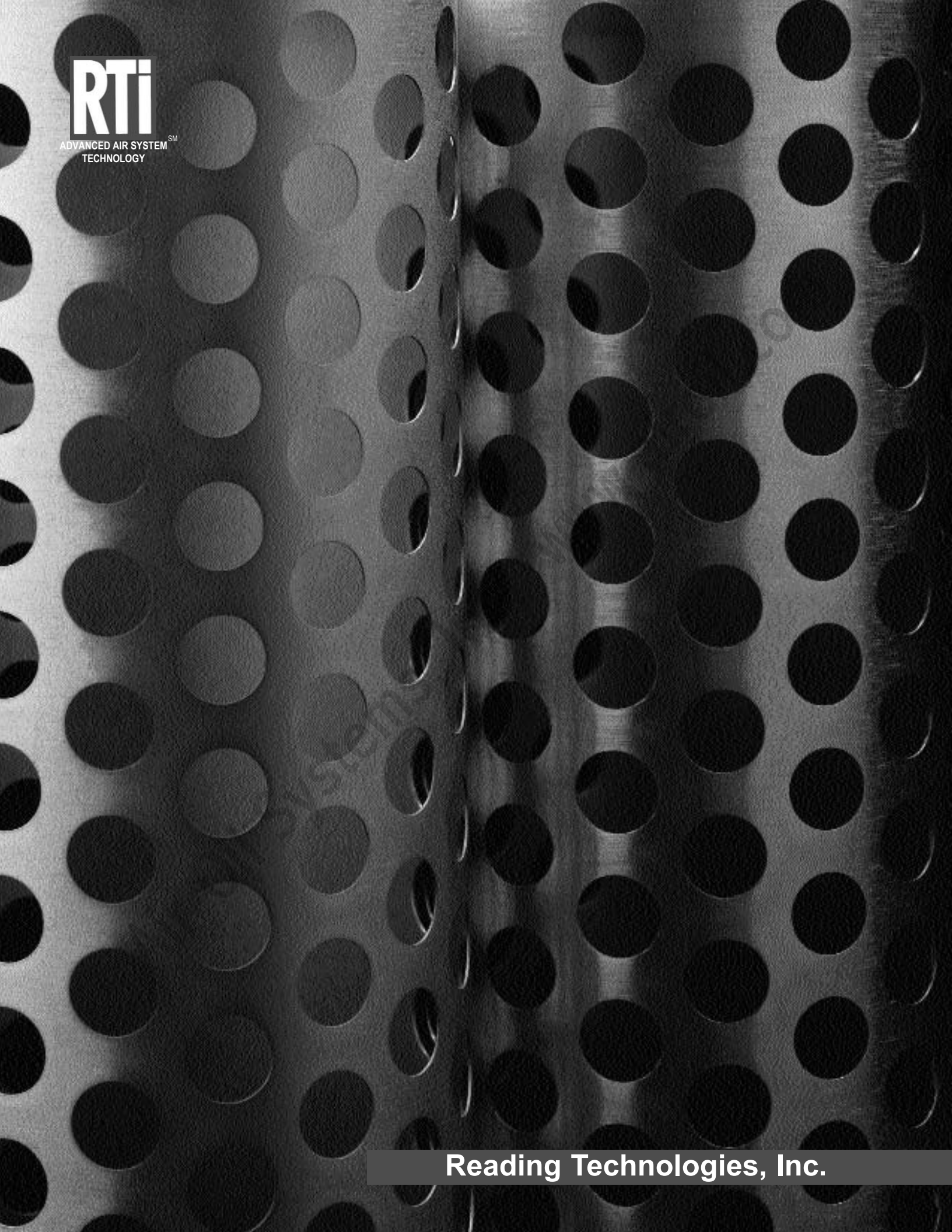

RTi
ADVANCED AIR SYSTEM SM
TECHNOLOGY
Reading Technologies, Inc.

Table of Contents

RTi Company Overview

Advanced Air System Technology

Product Selection Guide — Page

High Flow Separators 1
Coalescers 7
High Flow Separator/Coalescer Combo Units 13
Filter/Dryers 18
Filter Dryer/Coalescer Combo Units 21
Oil Extractors 24
Oil Extractor/Coalescer Combo Units 26
Refrigerated Dryers 28
Desiccant Dryers 31
Regenerative Desiccant Dryers 36
Regulators 37
Lubricators 39
Food Grade Units 41
Stainless Steel Units 46
High Pressure Units 50
Grade 1 Coalescing Units 55
Brackets and Indicators 58

RTi
One Year Warranty
Call 1-800-521-9200

Air Oil Systems, Inc. www.airoil.com

RTi

Reading Technologies, Inc.

Advanced Air System Technology

1031F MacArthur Road Reading, PA 19605
Tel: 800-521-9200 Fax: 610-372-1984
Web: http://www.driair.com e-mail: info@driair.com

Application Guide

Contaminant/Specification	Solution Guide	Page
Water and Dirt (High CFM)	RTi Eliminex High Flow Separators	1
Oil	RTi Coalescers	7
Water, Dirt and Oil (High CFM)	RTi Eliminex High Flow Separator/Coalescer Combo Units	13
Water and Dirt	RTi Eliminizer Filter/Dryers	18
Water, Dirt and Oil	RTi Eliminizer Filter Dryer/Coalescer Combo Units	21
Water, Dirt, Odor and Light Oil	RTi Oil Extractors	24
Water, Dirt, Odor and Heavy Oil	RTi Oil Extractor/Coalescer Combo Units	26
Water Vapor to 35 to 39°F Dew Point	RTi Refrigerated Dryers	28
Water Vapor to -40 to -100°F Dew Point	RTi Desiccant Dryers	31
Precise Air Regulation	RTi Regulators	37
Consistent Lubrication	RTi Lubricators	39
FDA Specified Housings	RTi Food Grade Units	41
316 Stainless Steel Housings	RTi Stainless Steel Units	46
High Air Pressure	RTi High Pressure Units	50
Grade 1 Efficiencies	RTi Grade 1 Coalescing Units	55
Low Temperature Applications	RTi Heated units	57

Air-Oil Systems, Inc. www.airoil.com

1P - 060 - P 06 - Fi

Element
1 = Eliminex
3 Micron Final Filtration
Stainless Steel Element
3 = Eliminizer
1 Micron Final Filtration
2 Layers: Stainless Steel and Cotton
4 = Oil Extractor
1 - Cotton Layer
2 - Stainless Steel Layers
1 - Activated Carbon

Element (Tube)
P = Polycarbonate
M = Metal
C = Coalescer

Flow Capacity
Maximum SCFM @ 100 PSI

For Pressures Less than 100 PSIG reduce capacity

For Pressures Greater than 100 PSIG increase capacity

Bowl Material
P = Polycarbonate
M = Aluminum
S = Stainless Steel
F = Food Grade Paint

Port Size NPT

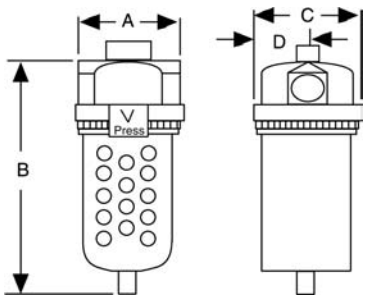
02 = 1/4"	10 = 1-1/4"
03 = 3/8"	12 = 1-1/2"
04 = 1/2"	16 = 2"
06 = 3/4"	24 = 3"
08 = 1"	

Options
F = Automatic Float Drain
P = Manual Petcock Drain
DC = Filter & Coalescer Combo
i = Element Change Differential Pressure Indicator

60 SCFM Eliminex

Type of contamination: water and dirt

High Flow Separator



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
1P-060-M04-P	Metal Bowl, Manual Drain	3.8	10.0	3.8	2.0
1P-060-M04-F	Metal Bowl, Float Drain	3.8	10.5	3.8	2.0
1P-060-M04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
1P-060-P04-P	Poly Bowl, Manual Drain	3.8	10.0	3.8	2.0
1P-060-P04-F	Poly Bowl, Float Drain	3.8	10.5	3.8	2.0
1P-060-P04-Fi	Poly Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	3.0 Micron and Larger
Differential Pressure	< 1.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	1P-060-M02-P	1P-060-M02-Pi	1P-060-P02-P	1P-060-P02-Pi
	3/8"	1P-060-M03-P	1P-060-M03-Pi	1P-060-P03-P	1P-060-P03-Pi
	1/2"	1P-060-M04-P	1P-060-M04-Pi	1P-060-P04-P	1P-060-P04-Pi
Float Drain	1/4"	1P-060-M02-F	1P-060-M02-Fi	1P-060-P02-F	1P-060-P02-Fi
	3/8"	1P-060-M03-F	1P-060-M03-Fi	1P-060-P03-F	1P-060-P03-Fi
	1/2"	1P-060-M04-F	1P-060-M04-Fi	1P-060-P04-F	1P-060-P04-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Metal Bowl Assembly, Brass Float Drain	N34-95-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
Poly Bowl, Manual Flex Drain	N32-95-610

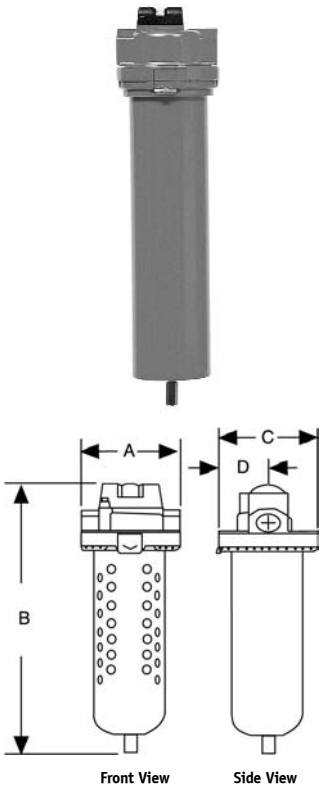
Description	Part Number
Replacement Element	1P-060
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-02
Poly Bowl, Brass Float Drain	N32-15-164
Poly Bowl, Plastic Float Drain	N32-15-165

Air-Oil Systems, Inc. www.airoil.com

120 SCFM Eliminex

Type of contamination: water and dirt

High Flow Separator



Physical Dimensions

Model #	Description	A	B	C	D
1P-120-M06-P	Metal Bowl, Manual Drain	4.6	16.75	4.6	2.4
1P-120-M06-F	Metal Bowl, Float Drain	4.6	17.5	4.6	2.4
1P-120-M06-Fi	Metal Bowl, Float Drain w/Indicator	4.6	19.0	4.6	2.4
1P-120-P06-P	Poly Bowl, Manual Drain	4.6	14.0	4.6	2.4
1P-120-P06-F	Poly Bowl, Float Drain	4.6	14.5	4.6	2.4
1P-120-P06-Fi	Poly Bowl, Float Drain w/Indicator	4.6	15.0	4.6	2.4

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	120 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	3.0 Micron and Larger
Differential Pressure	< 1.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	1P-120-M04-P	1P-120-M04-Pi	1P-120-P04-P	1P-120-P04-Pi
	3/4"	1P-120-M06-P	1P-120-M06-Pi	1P-120-P06-P	1P-120-P06-Pi
	1"	1P-120-M08-P	1P-120-M08-Pi	1P-120-P08-P	1P-120-P08-Pi
Float Drain	1/2"	1P-120-M04-F	1P-120-M04-Fi	1P-120-P04-F	1P-120-P04-Fi
	3/4"	1P-120-M06-F	1P-120-M06-Fi	1P-120-P06-F	1P-120-P06-Fi
	1"	1P-120-M08-F	1P-120-M08-Fi	1P-120-P08-F	1P-120-P08-Fi

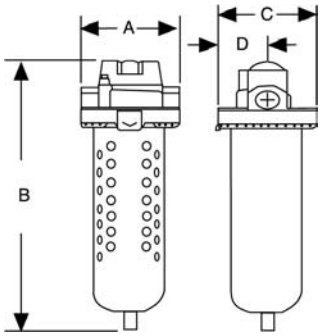
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-256
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
Replacement Element	1P-120
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-03
Poly Bowl, Brass Float Drain	N32-15-166

Air-Oil Systems, Inc. www.airoil.com

High Flow Separator



Physical Dimensions

Model #	Description	A	B	C	D
1P-175-M06-P	Metal Bowl, Manual Drain	4.6	16.75	4.6	2.4
1P-175-M06-F	Metal Bowl, Float Drain	4.6	17.5	4.6	2.4
1P-175-M06-Fi	Metal Bowl, Float Drain w/Indicator	4.6	19.0	4.6	2.4
1P-175-P06-P	Poly Bowl, Manual Drain	4.6	15.0	4.6	2.4
1P-175-P06-F	Poly Bowl, Float Drain	4.6	15.5	4.6	2.4
1P-175-P06-Fi	Poly Bowl, Float Drain w/Indicator	4.6	16.5	4.6	2.4

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	175 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	3.0 Micron and Larger
Differential Pressure	< 1.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	1P-175-M04-P	1P-175-M04-Pi	1P-175-P04-P	1P-175-P04-Pi
	3/4"	1P-175-M06-P	1P-175-M06-Pi	1P-175-P06-P	1P-175-P06-Pi
	1"	1P-175-M08-P	1P-175-M08-Pi	1P-175-P08-P	1P-175-P08-Pi
Float Drain	1/2"	1P-175-M04-F	1P-175-M04-Fi	1P-175-P04-F	1P-175-P04-Fi
	3/4"	1P-175-M06-F	1P-175-M06-Fi	1P-175-P06-F	1P-175-P06-Fi
	1"	1P-175-M08-F	1P-175-M08-Fi	1P-175-P08-F	1P-175-P08-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-256
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

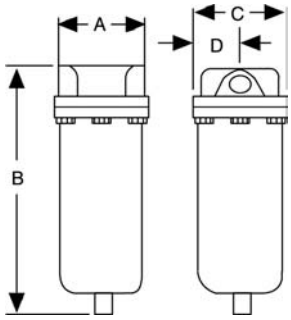
Description	Part Number
Replacement Element	1P-175
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-03
Poly Bowl, Brass Float Drain	N32-15-166

Air-Oil Systems, Inc. www.airoil.com

300 SCFM Eliminex

Type of contamination: water and dirt

High Flow Separator



Physical Dimensions

Model #	Description	A	B	C	D
1M-300-M12-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
1M-300-M12-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
1M-300-M12-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
1M-300-M16-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
1M-300-M16-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
1M-300-M16-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9

Specifications

Port Sizes	1-1/4", 1-1/2", 2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	300 SCFM @ 100 PSI
Bowl Types	Aluminum
Maximum Temp. Maximum Pressure*	175°F 200 PSIG
Filter Capacity	3.0 Micron and Larger
Differential Pressure	< 1.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	1-1/4"	1M-300-M10-P	1M-300-M10-Pi
	1-1/2"	1M-300-M12-P	1M-300-M12-Pi
	2"	1M-300-M16-P	1M-300-M16-Pi
Float Drain	1-1/4"	1M-300-M10-P	1M-300-M10-Pi
	1-1/2"	1M-300-M12-F	1M-300-M12-Fi
	2"	1M-300-M16-F	1M-300-M16-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-F35-OR
Float Drain	N32-95-XD8
Differential Indicator	N32-W1-DPi
Manual Drain (for Metal Bowl)	KSG-071

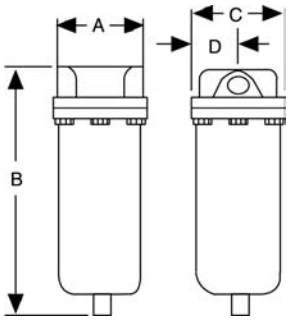
Description	Part Number
Electronic Drain	N32-XED-04
Replacement Element	1M-300
Blanking Cap	N32-95-020

Air-Oil Systems, Inc. www.airoil.com

400, 700 & 1200 SCFM Eliminex

Type of contamination: water and dirt

High Flow Separator



Front View Side View

Specifications

Port Sizes	1-1/4", 1-1/2", 2", 3"
Thread Styles*	NPT, BSPT, BSPP
Flow Capacity	400,700 & 1200 SCFM @ 100 PSI
Bowl Types	Aluminum
Maximum Temp. Maximum Pressure**	175°F 200 PSIG
Filter Capacity	3.0 Micron and Larger
Differential Pressure	< 1.0 PSID at Rated Flow

**3" unit available NPT thread only. **For higher pressure applications, consult factory. If unit is equipped with differential indicator maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Physical Dimensions

Model #	Description	A	B	C	D
1M-400-M10-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
1M-400-M10-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
1M-400-M10-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
1M-400-M12-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
1M-400-M12-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
1M-400-M12-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
1M-400-M16-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
1M-400-M16-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
1M-400-M16-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
1M-1200-M24-P	Metal Bowl,Manual Drain	8.0	39.5	8.0	4.0
1M-1200-M24-F	Metal Bowl, Float Drain	8.0	45.6	8.0	4.0

**Physical dimensions for 400 and 700 SCFM housing are identical.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	1-1/4"	1M-400-M10-P	1M-400-M10-Pi	1M-700-M10-P	1M-700-M10-Pi
	1-1/2"	1M-400-M12-P	1M-400-M12-Pi	1M-700-M12-P	1M-700-M12-Pi
	2"	1M-400-M16-P	1M-400-M16-Pi	1M-700-M16-P	1M-700-M16-Pi
	3"	1M-1200-M24-P			
Float Drain	1-1/4"	1M-400-M10-F	1M-400-M10-Fi	1M-700-M10-F	1M-700-M10-Fi
	1-1/2"	1M-400-M12-F	1M-400-M12-Fi	1M-700-M12-F	1M-700-M12-Fi
	2"	1M-400-M16-F	1M-400-M16-Fi	1M-700-M16-F	1M-700-M16-Fi
	3"	1M-1200-M24-F			

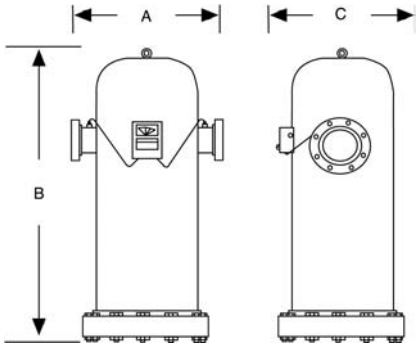
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring (400/700)	N32-F35-OR
Float Drain	N32-95-XD8
Differential Indicator (400/700)	N32-W1-DPi
Manual Drain (for Metal Bowl)	KSG-071

Description	Part Number
Electronic Drain	N32-XED-04
Replacement Element	1M-400, 1M-700, 1M-1200
Blanking Cap (400/700)	N32-95-020
Bowl O-Ring (1200)	PHC-032

Air-Oil Systems, Inc. www.airoil.com

High Flow Separator



Front View Side View

Physical Dimensions

Model #	Description	A	B	C
1M-2500-MFD-P	3" Manual Drain	20.0	44.75	19.0
1M-2500-MFD-X	3" External Float Drain	20.0	44.75	19.0
1M-2500-MFE-P	4" Manual Drain	20.0	44.75	19.0
1M-2500-MFE-X	4" External Float Drain	20.0	44.75	19.0
1M-5500-MFF-P	6" Manual Drain	20.0	58.5	19.0
1M-5500-MFF-X	6" External Float Drain	20.0	58.5	19.0

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

Specifications

Port Sizes	3", 4", 6" RFSO
Thread Styles	Raised Face 150# Flanges
Flow Capacity	2500 & 5500 SCFM @ 100 PSI
Bowl Types	Epoxy Coated Carbon Steel
Maximum Temp. Maximum Pressure*	125°F 150 PSIG
Filter Capacity	3.0 Micron and Larger
Differential Pressure	< 1.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

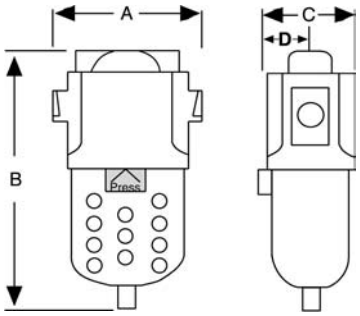
Order Guide

	Port Size	Metal Bowl w/Indicator
Manual Drain	3"	1M-2500-MFD-P
	4"	1M-2500-MFE-P
	6"	1M-5500-MFF-P
Float Drain	3"	1M-2500-MFD-X
	4"	1M-2500-MFE-X
	6"	1M-5500-MFF-X

Replacement Parts & Accessories

Description	Part Number
Float Drain	N32-95-XD8
Differential Indicator	N32-P2-DPi
Electronic Drain	N32-XED-04
Replacement Element	1X-2500 or 1X-5500

Air-Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	A	B	C	D
3C-020-M02-P	Metal Bowl, Manual Drain	3.0	6.8	3.0	1.5
3C-020-M02-F	Metal Bowl, Float Drain	3.0	6.8	3.0	1.5
3C-020-M02-Fi	Metal Bowl, Float Drain w/Indicator	3.0	7.5	3.0	1.5
3C-020-P02-P	Poly Bowl, Manual Drain	3.0	6.8	3.0	1.5
3C-020-P02-F	Poly Bowl, Float Drain	3.0	6.8	3.0	1.5
3C-020-P02-Fi	Poly Bowl, Float Drain w/Indicator	3.0	7.5	3.0	1.5

Specifications

Port Sizes	1/4"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	20 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 1.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

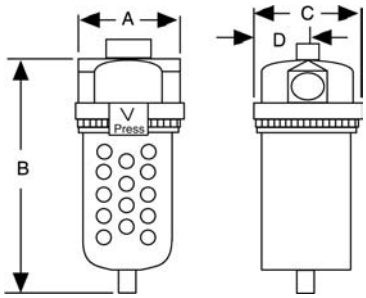
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	3C-020-M02-P	3C-020-M02-Pi	3C-020-P02-P	3C-020-P02-Pi
Float Drain	1/4"	3C-020-M02-F	3C-020-M02-Fi	3C-020-P02-F	3C-020-P02-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-009
Metal Bowl Assembly, Plastic Float Drain	N32-95-950
Differential Indicator	N32-W1-DPi
Manual Drain	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
Replacement Element	3C-020
Blanking Cap	N32-95-020
Manual Flex Drain	N32-95-610
Low Flow Plastic Drain	N32-96-400
Poly Bowl, Plastic Float Drain	N32-15-160

Air-Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	A	B	C	D
3C-060-M04-P	Metal Bowl, Manual Drain	3.8	10.0	3.8	2.0
3C-060-M04-F	Metal Bowl, Float Drain	3.8	10.5	3.8	2.0
3C-060-M04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
3C-060-P04-P	Poly Bowl, Manual Drain	3.8	10.0	3.8	2.0
3C-060-P04-F	Poly Bowl, Float Drain	3.8	10.5	3.8	2.0
3C-060-P04-Fi	Poly Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 1.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

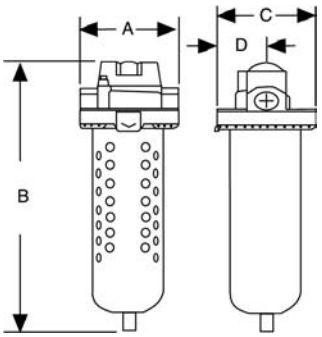
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	3C-060-M02-P	3C-060-M02-Pi	3C-060-P02-P	3C-060-P02-Pi
	3/8"	3C-060-M03-P	3C-060-M03-Pi	3C-060-P03-P	3C-060-P03-Pi
	1/2"	3C-060-M04-P	3C-060-M04-Pi	3C-060-P04-P	3C-060-P04-Pi
Float Drain	1/4"	3C-060-M02-F	3C-060-M02-Fi	3C-060-P02-F	3C-060-P02-Fi
	3/8"	3C-060-M03-F	3C-060-M03-Fi	3C-060-P03-F	3C-060-P03-Fi
	1/2"	3C-060-M04-F	3C-060-M04-Fi	3C-060-P04-F	3C-060-P04-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Metal Bowl Assembly, Brass Float Drain	N34-95-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
Poly Bowl, Manual Flex Drain	N32-95-610

Description	Part Number
Replacement Element	3C-060
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-02
Poly Bowl, Brass Float Drain	N32-15-164
Poly Bowl, Plastic Float Drain	N32-15-165

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
3C-090-M06-P	Metal Bowl, Manual Drain	4.6	16.75	4.6	2.4
3C-090-M06-F	Metal Bowl, Float Drain	4.6	17.5	4.6	2.4
3C-090-M06-Fi	Metal Bowl, Float Drain w/Indicator	4.6	19.0	4.6	2.4
3C-090-P06-P	Poly Bowl, Manual Drain	4.6	14.0	4.6	2.4
3C-090-P06-F	Poly Bowl, Float Drain	4.6	14.5	4.6	2.4
3C-090-P06-Fi	Poly Bowl, Float Drain w/Indicator	4.6	15.0	4.6	2.4

Physical dimensions for the 150 SCFM units are identical to the 90 SCFM units.

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90 & 150 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 1.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

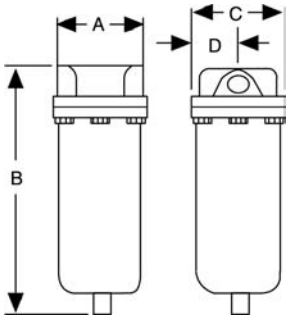
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	3C-090-M04-P	3C-090-M04-Pi	3C-090-P04-P	3C-090-P04-Pi
	3/4"	3C-090-M06-P	3C-090-M06-Pi	3C-090-P06-P	3C-090-P06-Pi
	1"	3C-090-M08-P	3C-090-M08-Pi	3C-090-P08-P	3C-090-P08-Pi
Float Drain	1/2"	3C-090-M04-F	3C-090-M04-Fi	3C-090-P04-F	3C-090-P04-Fi
	3/4"	3C-090-M06-F	3C-090-M06-Fi	3C-090-P06-F	3C-090-P06-Fi
	1"	3C-090-M08-F	3C-090-M08-Fi	3C-090-P08-F	3C-090-P08-Fi
Manual Drain	1/2"	3C-150-M04-P	3C-150-M04-Pi	3C-150-P04-P	3C-150-P04-Pi
	3/4"	3C-150-M06-P	3C-150-M06-Pi	3C-150-P06-P	3C-150-P06-Pi
	1"	3C-150-M08-P	3C-150-M08-Pi	3C-150-P08-P	3C-150-P08-Pi
Float Drain	1/2"	3C-150-M04-F	3C-150-M04-Fi	3C-150-P04-F	3C-150-P04-Fi
	3/4"	3C-150-M06-F	3C-150-M06-Fi	3C-150-P06-F	3C-150-P06-Fi
	1"	3C-150-M08-F	3C-150-M08-Fi	3C-150-P08-F	3C-150-P08-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-256
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978

Description	Part Number
Plastic Float Drain	N32-95-973
Replacement Element	3C-090, 3C-150
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-03
Poly Bowl, Brass Float Drain	N32-15-166

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
3C-300-M12-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
3C-300-M12-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
3C-300-M12-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
3C-300-M16-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
3C-300-M16-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
3C-300-M16-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9

Specifications

Port Sizes	1-1/4", 1-1/2", 2"
Thread Styles	NPT, BSPP
Flow Capacity	300 SCFM @ 100 PSI
Bowl Types	Aluminum
Maximum Temp. Maximum Pressure*	175°F 200 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 1.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

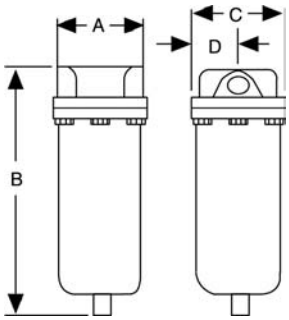
	Port Size	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	1-1/4"	3C-330-M10-P	3C-300-M10-Pi
	1-1/2"	3C-300-M12-P	3C-300-M12-Pi
	2"	3C-300-M16-P	3C-300-M16-Pi
Float Drain	1-1/4"	3C-300-M10-F	3C-300-M10-Fi
	1-1/2"	3C-300-M12-F	3C-300-M12-Fi
	2"	3C-300-M16-F	3C-300-M16-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-F35-OR
Float Drain	N32-95-XD8
Differential Indicator	N32-W1-DPi
Manual Drain (for Metal Bowl)	KSG-071

Description	Part Number
Electronic Drain	N32-XED-04
Replacement Element	3C-300
Blanking Cap	N32-95-020

Air-Oil Systems, Inc. www.airoil.com



Specifications

Port Sizes	1-1/4", 1-1/2", 2", 3"
Thread Styles*	NPT, BSPT, BSPP
Flow Capacity	400, 700 & 1200 SCFM @ 100 PSI
Bowl Types	Aluminum
Maximum Temp. Maximum Pressure**	175°F 200 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 1.5 PSID at Rated Flow

**3" unit is available in NPT thread only. **For higher pressure applications, consult factory. If unit is equipped with differential indicator or float drain, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Physical Dimensions

Model #	Description	A	B	C	D
3C-400-M10-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
3C-400-M10-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
3C-400-M10-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
3C-400-M12-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
3C-400-M12-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
3C-400-M12-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
3C-400-M16-P	Metal Bowl, Manual Drain	7.8	27.5	7.8	3.9
3C-400-M16-F	Metal Bowl, Float Drain	7.8	32.0	7.8	3.9
3C-400-M16-Fi	Metal Bowl, Float Drain w/Indicator	7.8	33.0	7.8	3.9
3C-1200-M24-P	Metal Bowl, Manual Drain	8.0	39.5	8.0	4.0
3C-1200-M24-F	Metal Bowl, Float Drain	8.0	45.0	8.0	4.0

Physical dimensions for 400 and 700 SCFM housing are identical.

Order Guide

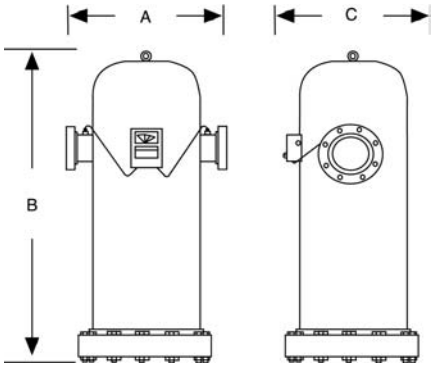
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	1-1/4"	3C-400-M10-P	3C-400-M10-Pi	3C-700-M10-P	3C-700-M10-Pi
	1-1/2"	3C-400-M12-P	3C-400-M12-Pi	3C-700-M12-P	3C-700-M12-Pi
	2"	3C-400-M16-P	3C-400-M16-Pi	3C-700-M16-P	3C-700-M16-Pi
	3"	3C-1200-M24-P			
Float Drain	1-1/4"	3C-400-M10-F	3C-400-M10-Fi	3C-700-M10-F	3C-700-M10-Fi
	1-1/2"	3C-400-M12-F	3C-400-M12-Fi	3C-700-M12-F	3C-700-M12-Fi
	2"	3C-400-M16-F	3C-400-M16-Fi	3C-700-M16-F	3C-700-M16-Fi
	3"	3C-1200-M24-F			

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring (400/700)	N32-F35-OR
Float Drain	N32-95-XD8
Differential Indicator (400/700)	N32-W1-DPi
Manual Drain (for Metal Bowl)	KSG-071

Description	Part Number
Electronic Drain	N32-XED-04
Replacement Element	3C-400, 3C-700, 3C-1200
Blanking Cap (400/700)	N32-95-020
Bowl O-Ring (1200)	PHC-032

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C
3C-1900-MFD-P	3" Manual Drain	20.0	44.75	19.0
3C-1900-MFD-X	3" External Float	20.0	44.75	19.0
3C-1900-MFE-P	4" Manual Drain	20.0	44.75	19.0
3C-1900-MFE-X	4" External Float	20.0	44.75	19.0
3C-3000-MFF-P	6" Manual Drain	20.0	44.75	19.0
3C-3000-MFF-X	6" External Float	20.0	44.75	19.0

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

Specifications

Port Sizes	3", 4", 6" RFSO
Thread Styles	Raised Face 150# Flanges
Flow Capacity	1900 & 3000 SCFM @ 100 PSI
Bowl Types	Epoxy Coated Steel
Maximum Temp. Maximum Pressure*	125°F 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 1.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

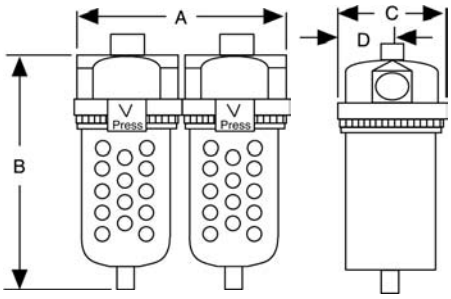
Order Guide

	Port Size	Metal Bowl w/Indicator
Manual Drain	3"	3C-1900-MFD-P
	4"	3C-1900-MFE-P
	6"	3C-3000-MFF-P
Float Drain	3"	3C-1900-MFD-X
	4"	3C-1900-MFE-X
	6"	3C-3000-MFF-X

Replacement Parts & Accessories

Description	Part Number
Float Drain	N32-95-XD8
Differential Indicator	N32-P2-DPi
Electronic Drain	N32-XED-04
Replacement Element	3C-1900 or 3C-3000

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
1P-060-M04-DCP	Metal Bowl, Manual Drain	8.0	10.0	3.8	2.0
1P-060-M04-DC	Metal Bowl, Float Drain	8.0	10.5	3.8	2.0
1P-060-M04-DCi	Metal Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0
1P-060-P04-DCP	Poly Bowl, Manual Drain	8.0	11.0	3.8	2.0
1P-060-P04-DC	Poly Bowl, Float Drain	8.0	10.5	3.8	2.0
1P-060-P04-DCi	Poly Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 3.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	1P-060-M02-DCP	1P-060-M02-DCPi	1P-060-P02-DCP	1P-060-P02-DCPi
	3/8"	1P-060-M03-DCP	1P-060-M03-DCPi	1P-060-P03-DCP	1P-060-P03-DCPi
	1/2"	1P-060-M04-DCP	1P-060-M04-DCPi	1P-060-P04-DCP	1P-060-P04-DCPi
Float Drain	1/4"	1P-060-M02-DC	1P-060-M02-DCi	1P-060-P02-DC	1P-060-P02-DCi
	3/8"	1P-060-M03-DC	1P-060-M03-DCi	1P-060-P03-DC	1P-060-P03-DCi
	1/2"	1P-060-M04-DC	1P-060-M04-DCi	1P-060-P04-DC	1P-060-P04-DCi

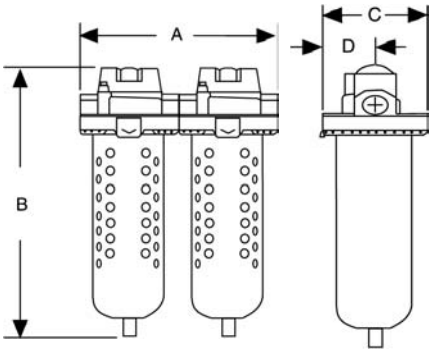
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Metal Bowl Assembly, Brass Float Drain	N34-95-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
1st Stage Element	1P-060

Description	Part Number
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-02
2nd Stage Element	3C-060
Flex Drain Poly Bowl	N32-95-610
Poly Bowl, Brass Float Drain	N32-15-164
Poly Bowl, Plastic Float Drain	N32-15-165

Separator/Coalescer

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
1P-090-M06-DCP	Metal Bowl, Manual Drain	10.0	18.75	4.6	2.4
1P-090-M06-DC	Metal Bowl, Float Drain	10.0	17.5	4.6	2.4
1P-090-M06-DCi	Metal Bowl, Float Drain w/Indicator	10.0	19.0	4.6	2.4
1P-090-P06-DCP	Poly Bowl, Manual Drain	10.0	15.0	4.6	2.4
1P-090-P06-DC	Poly Bowl, Float Drain	10.0	14.5	4.6	2.4
1P-090-P06-DCi	Poly Bowl, Float Drain w/Indicator	10.0	15.0	4.6	2.4

Physical dimensions for the 90 SCFM units are identical to the 150 SCFM units.

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90 & 150 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 2.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	1P-090-M04-DCP	1P-090-M04-DCPi	1P-090-P04-DCP	1P-090-P04-DCPi
	3/4"	1P-090-M06-DCP	1P-090-M06-DCPi	1P-090-P06-DCP	1P-090-P06-DCPi
	1"	1P-090-M08-DCP	1P-090-M08-DCPi	1P-090-P08-DCP	1P-090-P08-DCPi
Float Drain	1/2"	1P-090-M04-DC	1P-090-M04-DCi	1P-090-P04-DC	1P-090-P04-DCi
	3/4"	1P-090-M06-DC	1P-090-M06-DCi	1P-090-P06-DC	1P-090-P06-DCi
	1"	1P-090-M08-DC	1P-090-M08-DCi	1P-090-P08-DC	1P-090-P08-DCi
Manual Drain	1/2"	1P-150-M04-DCP	1P-150-M04-DCPi	1P-150-P04-DCP	1P-150-P04-DCPi
	3/4"	1P-150-M06-DCP	1P-150-M06-DCPi	1P-150-P06-DCP	1P-150-P06-DCPi
	1"	1P-150-M08-DCP	1P-150-M08-DCPi	1P-150-P08-DCP	1P-150-P08-DCPi
Float Drain	1/2"	1P-150-M04-DC	1P-150-M04-DCi	1P-150-P04-DC	1P-150-P04-DCi
	3/4"	1P-150-M06-DC	1P-150-M06-DCi	1P-150-P06-DC	1P-150-P06-DCi
	1"	1P-150-M08-DC	1P-150-M08-DCi	1P-150-P08-DC	1P-150-P08-DCi

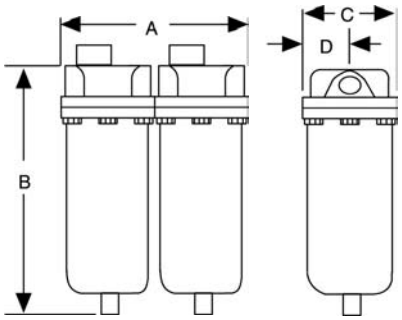
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-256
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978

Description	Part Number
Plastic Float Drain	N32-95-978
2nd Stage Element	3C-090, 3C-150
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-03
1st Stage Element	1P-090, 1P-150
Poly Bowl, Brass Float Drain	N32-15-166

Air-Oil Systems, Inc. www.airoil.com

Separator/Coalescer



Physical Dimensions

Model #	Description	A	B	C	D
1M-300-M12-DCP	Metal Bowl, Manual Drain	16.5	27.5	7.8	3.9
1M-300-M12-DC	Metal Bowl, Float Drain	16.5	32.0	7.8	3.9
1M-300-M12-DCi	Metal Bowl, Float Drain w/Indicator	16.5	33.0	7.8	3.9
1M-300-M16-DCP	Metal Bowl, Manual Drain	16.5	27.5	7.8	3.9
1M-300-M16-DC	Metal Bowl, Float Drain	16.5	32.0	7.8	3.9
1M-300-M16-DCi	Metal Bowl, Float Drain w/Indicator	16.5	33.0	7.8	3.9

Specifications

Port Sizes	1-1/4", 1-1/2", 2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	300 SCFM @ 100 PSI
Bowl Types	Aluminum
Maximum Temp. Maximum Pressure*	175°F 200 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 2.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator or float drain, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	1-1/4"	1M-300-M10-DCP	1M-300-M10-DCPi
	1-1/2"	1M-300-M12-DCP	1M-300-M12-DCPi
	2"	1M-300-M16-DCP	1M-300-M16-DCPi
Float Drain	1-1/4"	1M-300-M10-DC	1M-300-M10-DCi
	1-1/2"	1M-300-M12-DC	1M-300-M12-DCi
	2"	1M-300-M16-DC	1M-300-M16-DCi

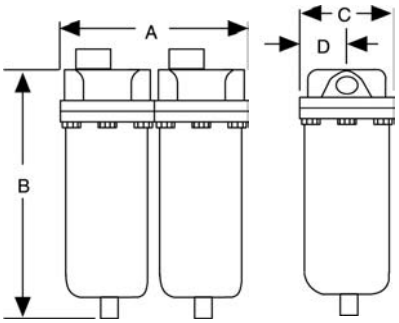
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-F35-OR
Float Drain	N32-95-XD8
Differential Indicator	N32-W1-DPi
Manual Drain	KSG-071

Description	Part Number
Electronic Drain	N32-XED-04
2nd Stage Element	3C-300
Blanking Cap	N32-95-020
1st Stage Element	1M-300

Separator/Coalescer

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Specifications

Port Sizes	1-1/4", 1-1/2", 2", 3"
Thread Styles*	NPT, BSPT, BSPP
Flow Capacity	400, 700 & 1200 SCFM @ 100 PSI
Bowl Types	Aluminum
Maximum Temp. Maximum Pressure**	175°F 200 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 2.5 PSID at Rated Flow

**3" unit available NPT thread only. **For higher pressure applications, consult factory. If unit is equipped with differential indicator or float drain, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Physical Dimensions

Model #	Description	A	B	C	D
1M-400-M10-DCP	Metal Bowl, Manual Drain	16.5	27.5	7.8	3.9
1M-400-M10-DC	Metal Bowl, Float Drain	16.5	32.0	7.8	3.9
1M-400-M10-DCi	Metal Bowl, Float Drain w/Indicator	16.5	33.0	7.8	3.9
1M-400-M12-DCP	Metal Bowl, Manual Drain	16.5	27.5	7.8	3.9
1M-400-M12-DC	Metal Bowl, Float Drain	16.5	32.0	7.8	3.9
1M-400-M12-DCi	Metal Bowl, Float Drain w/Indicator	16.5	33.0	7.8	3.9
1M-400-M16-DCP	Metal Bowl, Manual Drain	16.5	27.5	7.8	3.9
1M-400-M16-DC	Metal Bowl, Float Drain	16.5	32.0	7.8	3.9
1M-400-M16-DCi	Metal Bowl, Float Drain w/Indicator	16.5	33.0	7.8	3.9
1M-1200-M24-DCP	Metal Bowl, Manual Drain	18.0	39.5	8.0	4.0
1M-1200-M24-DC	Metal Bowl, Float Drain	18.0	45.5	8.0	4.0

Dimensions for 700 SCFM units are identical to the 400 SCFM models.

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	1-1/4"	1M-400-M10-DCP	1M-400-M10-DCPi	1M-700-M10-DCP	1M-700-M10-DCPi
	1-1/2"	1M-400-M12-DCP	1M-400-M12-DCPi	1M-700-M12-DCP	1M-700-M12-DCPi
	2"	1M-400-M16-DCP	1M-400-M16-DCPi	1M-700-M16-DCP	1M-700-M16-DCPi
	3"	1M-1200-M24-DCP			
Float Drain	1-1/4"	1M-400-M10-DC	1M-400-M10-DCi	1M-700-M10-DC	1M-700-M10-DCi
	1-1/2"	1M-400-M12-DC	1M-400-M12-DCi	1M-700-M12-DC	1M-700-M12-DCi
	2"	1M-400-M16-DC	1M-400-M16-DCi	1M-700-M16-DC	1M-700-M16-DCi
	3"	1M-1200-M24-DC			

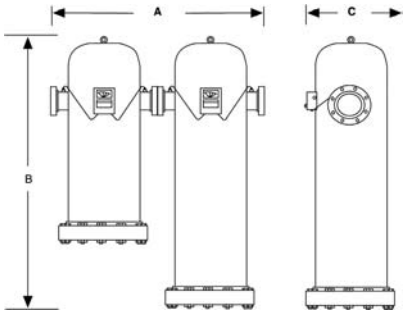
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring (400/700)	N32-F35-OR
Float Drain	N32-95-XD8
Differential Indicator (400/700)	N32-W1-DPi
Manual Drain	KSG-071

Description	Part Number
1st Stage Element	1M-400, 1M-700, 1M-1200
Blanking Cap (400/700)	N32-95-020
Bowl O-Ring (1200)	PHC-032
2nd Stage Element	3C-400, 3C-700, 3C-1200
Electronic Drain	N32-XED-04

Separator/Coalescer

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C
1M-1900-MFD-DCP	3" Manual Drain	40.0	44.75	19.0
1M-1900-MFD-DCX	3" External Float Drain	40.0	44.75	19.0
1M-1900-MFE-DCP	4" Manual Drain	40.0	44.75	19.0
1M-3000-MFE-DCX	4" External Float Drain	40.0	58.5	19.0
1M-3000-MFF-DCP	6" Manual Drain	40.0	58.5	19.0
1M-3000-MFF-DCX	6" External Float Drain	40.0	58.5	19.0

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

Specifications

Port Sizes	3", 4", 6" RFSO
Thread Style	Raised Face Flanges
Flow Capacity	1900 & 3000 SCFM @ 100 PSI
Bowl Types	Epoxy Coated Steel
Maximum Temp. Maximum Pressure*	125°F 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 2.5 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

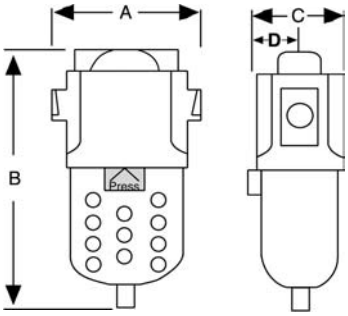
Order Guide

	Port Size	Metal Bowl w/Indicator
Manual Drain	3"	1M-1900-MFD-DCP
	4"	1M-1900-MFE-DCP
	6"	1M-3000-MFF-DCP
Float Drain	3"	1M-1900-MFD-DCX
	4"	1M-1900-MFE-DCX
	6"	1M-3000-MFF-DCX

Replacement Parts & Accessories

Description	Part Number
Float Drain	N32-95-XD8
Differential Indicator	N32-P2-DPi
Electronic Drain	N32-XED-04
1st Stage Element	1X-2500 or 1X-5500
2nd Stage Element	3C-1900 or 3C-3000

Air-Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	A	B	C	D
3P-020-M02-P	Metal Bowl, Manual Drain	3.0	6.8	3.0	1.5
3P-020-M02-F	Metal Bowl, Float Drain	3.0	6.8	3.0	1.5
3P-020-M02-Fi	Metal Bowl, Float Drain w/Indicator	3.0	7.5	3.0	1.5
3P-020-P02-P	Poly Bowl, Manual Drain	3.0	6.8	3.0	1.5
3P-020-P02-F	Poly Bowl, Float Drain	3.0	6.8	3.0	1.5
3P-020-P02-Fi	Poly Bowl, Float Drain w/Indicator	3.0	7.5	3.0	1.5

Specifications

Port Sizes	1/4"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	20 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	1.0 Micron and Larger
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	3P-020-M02-P	3P-020-M02-Pi	3P-020-P02-P	3P-020-P02-Pi
	1/4"	3P-020-M02-P	3P-020-M02-Pi	3P-020-P02-P	3P-020-P02-Pi
Float Drain	1/4"	3P-020-M02-F	3P-020-M02-Fi	3P-020-P02-F	3P-020-P02-Fi
	1/4"	3P-020-M02-F	3P-020-M02-Fi	3P-020-P02-F	3P-020-P02-Fi

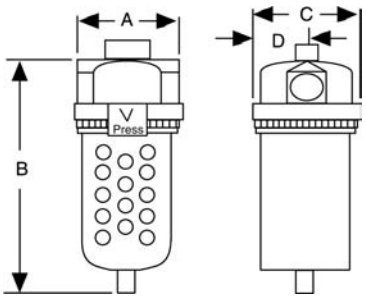
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-009
Metal Bowl Assembly, Plastic Float Drain	N32-95-950
Differential Indicator	N32-W1-DPi
Manual Drain	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
Replacement Element	3P-020
Blanking Cap	N32-95-020
Metal Bowl, Manual Drain	N32-95-178
Manual Flex Drain	N32-95-610
Low Flow Plastic Drain	N32-96-400
Poly Bowl, Plastic Float Drain	N32-15-160

Air-Oil Systems, Inc. www.airoil.com

Filter/Dryer



Physical Dimensions

Model #	Description	A	B	C	D
3P-060-M04-P	Metal Bowl, Manual Drain	3.8	10.0	3.8	2.0
3P-060-M04-F	Metal Bowl, Float Drain	3.8	10.5	3.8	2.0
3P-060-M04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
3P-060-P04-P	Poly Bowl, Manual Drain	3.8	10.0	3.8	2.0
3P-060-P04-F	Poly Bowl, Float Drain	3.8	10.5	3.8	2.0
3P-060-P04-Fi	Poly Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0

Physical dimensions for the 35 SCFM units are identical to the 60 SCFM units.

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	35 & 60 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	1.0 Micron and Larger
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125ÞF and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	3P-060-M02-P	3P-060-M02-Pi	3P-060-P02-P	3P-060-P02-Pi
	3/8"	3P-060-M03-P	3P-060-M03-Pi	3P-060-P03-P	3P-060-P03-Pi
	1/2"	3P-060-M04-P	3P-060-M04-Pi	3P-060-P04-P	3P-060-P04-Pi
Float Drain	1/4"	3P-060-M02-F	3P-060-M02-Fi	3P-060-P02-F	3P-060-P02-Fi
	3/8"	3P-060-M03-F	3P-060-M03-Fi	3P-060-P03-F	3P-060-P03-Fi
	1/2"	3P-060-M04-F	3P-060-M04-Fi	3P-060-P04-F	3P-060-P04-Fi
Manual Drain	1/4"	3P-035-M02-P	3P-035-M02-Pi	3P-035-P02-P	3P-035-P02-Pi
	3/8"	3P-035-M03-P	3P-035-M03-Pi	3P-035-P03-P	3P-035-P03-Pi
	1/2"	3P-035-M04-P	3P-035-M04-Pi	3P-035-P04-P	3P-035-P04-Pi
Float Drain	1/4"	3P-035-M02-F	3P-035-M02-Fi	3P-035-P02-F	3P-035-P02-Fi
	3/8"	3P-035-M03-F	3P-035-M03-Fi	3P-035-P03-F	3P-035-P03-Fi
	1/2"	3P-035-M04-F	3P-035-M04-Fi	3P-035-P04-F	3P-035-P04-Fi

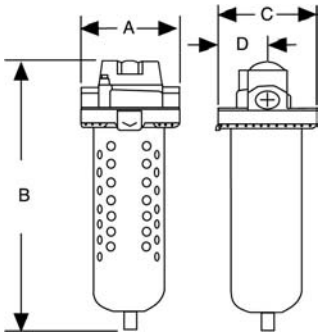
Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Metal Bowl Assembly, Brass Float Drain	N34-95-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
Manual Flex Drain	N32-95-610

Description	Part Number
Replacement Element	3P-060, 3P-035
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-02
Poly Bowl, Brass Float Drain	N32-15-164
Poly Bowl, Plastic Float Drain	N32-15-165

Air-Oil Systems, Inc. www.airoil.com

Filter/Dryer



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
3P-090-M06-P	Metal Bowl, Manual Drain	4.6	16.75	4.6	2.4
3P-090-M06-F	Metal Bowl, Float Drain	4.6	17.5	4.6	2.4
3P-090-M06-Fi	Metal Bowl, Float Drain w/Indicator	4.6	19.0	4.6	2.4
3P-090-P06-P	Poly Bowl, Manual Drain	4.6	14.0	4.6	2.4
3P-090-P06-F	Poly Bowl, Float Drain	4.6	14.5	4.6	2.4
3P-090-P06-Fi	Poly Bowl, Float Drain w/Indicator	4.6	15.0	4.6	2.4

Physical dimensions for the 150 SCFM units are identical to the 90 SCFM units.

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90 & 150 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	1.0 Micron and Larger
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	3P-090-M04-P	3P-090-M04-Pi	3P-090-P04-P	3P-090-P04-Pi
	3/4"	3P-090-M06-P	3P-090-M06-Pi	3P-090-P06-P	3P-090-P06-Pi
	1"	3P-090-M08-P	3P-090-M08-Pi	3P-090-P08-P	3P-090-P08-Pi
Float Drain	1/2"	3P-090-M04-F	3P-090-M04-Fi	3P-090-P04-F	3P-090-P04-Fi
	3/4"	3P-090-M06-F	3P-090-M06-Fi	3P-090-P06-F	3P-090-P06-Fi
	1"	3P-090-M08-F	3P-090-M08-Fi	3P-090-P08-F	3P-090-P08-Fi

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	3P-150-M04-P	3P-150-M04-Pi	3P-150-P04-P	3P-150-P04-Pi
	3/4"	3P-150-M06-P	3P-150-M06-Pi	3P-150-P06-P	3P-150-P06-Pi
	1"	3P-150-M08-P	3P-150-M08-Pi	3P-150-P08-P	3P-150-P08-Pi
Float Drain	1/2"	3P-150-M04-F	3P-150-M04-Fi	3P-150-P04-F	3P-150-P04-Fi
	3/4"	3P-150-M06-F	3P-150-M06-Fi	3P-150-P06-F	3P-150-P06-Fi
	1"	3P-150-M08-F	3P-150-M08-Fi	3P-150-P08-F	3P-150-P08-Fi

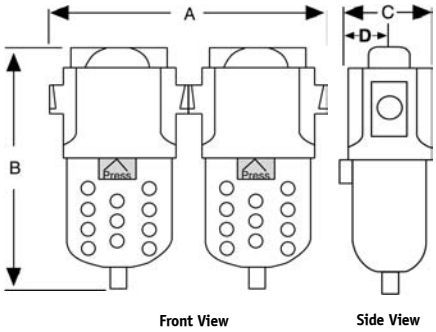
Replacement Parts & Accessories

Description	Part Number
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
Replacement Element	3P-090, 3P-150
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-03
Bowl O-Ring	N32-95-256
Poly Bowl, Brass Float Drain	N32-15-166

Air-Oil Systems, Inc. www.airoil.com

Filter/Dryer



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
3P-020-M02-DCP	Metal Bowl, Manual Drain	7.0	6.8	3.0	1.5
3P-020-M02-DC	Metal Bowl, Float Drain	7.0	6.8	3.0	1.5
3P-020-M02-DCi	Metal Bowl, Float Drain w/Indicator	7.0	7.5	3.0	1.5
3P-020-P02-DCP	Poly Bowl, Manual Drain	7.0	6.8	3.0	1.5
3P-020-P02-DC	Poly Bowl, Float Drain	7.0	6.8	3.0	1.5
3P-020-P02-DCi	Poly Bowl, Float Drain w/Indicator	7.0	7.5	3.0	1.5

Specifications

Port Sizes	1/4"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	20 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

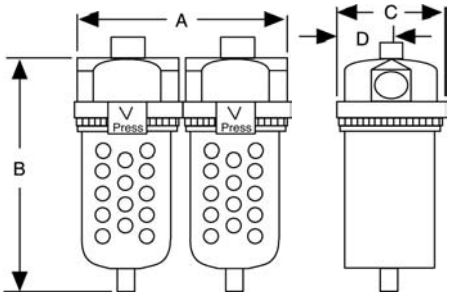
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	3P-020-M02-DCP	3P-020-M02-DCPi	3P-020-P02-DCP	3P-020-P02-DCPi
Float Drain	1/4"	3P-020-M02-DC	3P-020-M02-DCi	3P-020-P02-DC	3P-020-P02-DCi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-009
Metal Bowl Assembly, Plastic Float Drain	N32-95-950
Differential Indicator	N32-W1-DPi
Manual Drain	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
Stage 1 Element	3P-020
Blanking Cap	N32-95-020
Stage 2 Element	3C-020
Manual Flex Drain	N32-95-610
Low Flow Plastic Drain	N32-96-400
Poly Bowl, Plastic Float Drain	N32-15-160

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
3P-060-M04-DCP	Metal Bowl, Manual Drain	8.0	10.0	3.8	2.0
3P-060-M04-DC	Metal Bowl, Float Drain	8.0	10.5	3.8	2.0
3P-060-M04-DCi	Metal Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0
3P-060-P04-DCP	Poly Bowl, Manual Drain	8.0	11.0	3.8	2.0
3P-060-P04-DC	Poly Bowl, Float Drain	8.0	10.5	3.8	2.0
3P-060-P04-DCi	Poly Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

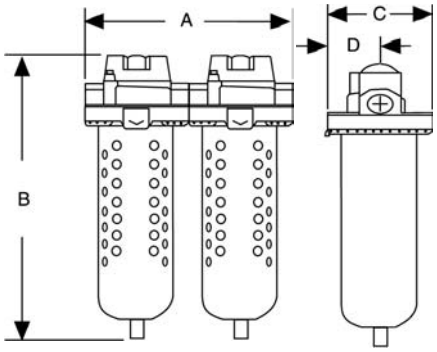
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	3P-060-M02-DCP	3P-060-M02-DCPi	3P-060-P02-DCP	3P-060-P02-DCPi
	3/8"	3P-060-M03-DCP	3P-060-M03-DCPi	3P-060-P03-DCP	3P-060-P03-DCPi
	1/2"	3P-060-M04-DCP	3P-060-M04-DCPi	3P-060-P04-DCP	3P-060-P04-DCPi
Float Drain	1/4"	3P-060-M02-DC	3P-060-M02-DCi	3P-060-P02-DC	3P-060-P02-DCi
	3/8"	3P-060-M03-DC	3P-060-M03-DCi	3P-060-P03-DC	3P-060-P03-DCi
	1/2"	3P-060-M04-DC	3P-060-M04-DCi	3P-060-P04-DC	3P-060-P04-DCi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Metal Bowl Assembly, Brass Float Drain	N34-95-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
1st Stage Element	3P-060

Description	Part Number
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-02
2nd Stage Element	3C-060
Poly Bowl, Flex Drain	N32-95-610
Poly Bowl, Brass Float Drain	N32-15-164
Poly Bowl, Plastic Float Drain	N32-15-165

Air-Oil Systems, Inc. www.airoil.com



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
3P-090-M06-DCP	Metal Bowl, Manual Drain	10.0	18.25	4.6	2.4
3P-090-M06-DC	Metal Bowl, Float Drain	10.0	17.5	4.6	2.4
3P-090-M06-DCi	Metal Bowl, Float Drain w/Indicator	10.0	19.0	4.6	2.4
3P-090-P06-DCP	Poly Bowl, Manual Drain	10.0	15.0	4.6	2.4
3P-090-P06-DC	Poly Bowl, Float Drain	10.0	14.5	4.6	2.4
3P-090-P06-DCi	Poly Bowl, Float Drain w/Indicator	10.0	15.0	4.6	2.4

Physical dimensions for the 90 SCFM units are identical to the 150 SCFM units.

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90 & 150 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	3P-090-M04-DCP	3P-090-M04-DCPi	3P-090-P04-DCP	3P-090-P04-DCPi
	3/4"	3P-090-M06-DCP	3P-090-M06-DCPi	3P-090-P06-DCP	3P-090-P06-DCPi
	1"	3P-090-M08-DCP	3P-090-M08-DCPi	3P-090-P08-DCP	3P-090-P08-DCPi
Float Drain	1/2"	3P-090-M04-DC	3P-090-M04-DCi	3P-090-P04-DC	3P-090-P04-DCi
	3/4"	3P-090-M06-DC	3P-090-M06-DCi	3P-090-P06-DC	3P-090-P06-DCi
	1"	3P-090-M08-DC	3P-090-M08-DCi	3P-090-P08-DC	3P-090-P08-DCi
Manual Drain	1/2"	3P-150-M04-DCP	3P-150-M04-DCPi	3P-150-P04-DCP	3P-150-P04-DCPi
	3/4"	3P-150-M06-DCP	3P-150-M06-DCPi	3P-150-P06-DCP	3P-150-P06-DCPi
	1"	3P-150-M08-DCP	3P-150-M08-DCPi	3P-150-P08-DCP	3P-150-P08-DCPi
Float Drain	1/2"	3P-150-M04-DC	3P-150-M04-DCi	3P-150-P04-DC	3P-150-P04-DCi
	3/4"	3P-150-M06-DC	3P-150-M06-DCi	3P-150-P06-DC	3P-150-P06-DCi
	1"	3P-150-M08-DC	3P-150-M08-DCi	3P-150-P08-DC	3P-150-P08-DCi

Replacement Parts & Accessories

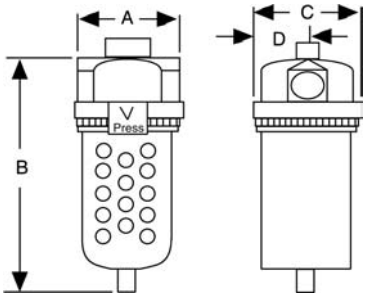
Description	Part Number
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
Poly Bowl, Brass Float Drain	N32-15-166

Description	Part Number
2nd Stage Element	3C-090, 3C-150
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-03
Bowl O-Ring	N32-95-256
1st Stage Element	3P-090, 3P-150

Air-Oil Systems, Inc. www.airoil.com

Type of contamination: water, dirt, odor and light oil

Oil Extractor



Physical Dimensions

Model #	Description	A	B	C	D
4P-060-M04-P	Metal Bowl, Manual Drain	3.8	10.0	3.8	2.0
4P-060-M04-F	Metal Bowl, Float Drain	3.8	10.5	3.8	2.0
4P-060-M04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
4P-060-P04-P	Poly Bowl, Manual Drain	3.8	10.0	3.8	2.0
4P-060-P04-F	Poly Bowl, Float Drain	3.8	10.5	3.8	2.0
4P-060-P04-Fi	Poly Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	1.0 Microm and Larger Activated Carbon Oil Absorption to 0.003 ppm
Differential Pressure	< 3.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

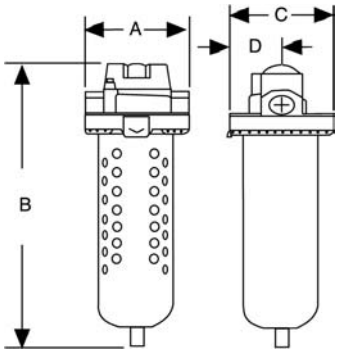
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	4P-060-M02-P	4P-060-M02-Pi	4P-060-P02-P	4P-060-P02-Pi
	3/8"	4P-060-M03-P	4P-060-M03-Pi	4P-060-P03-P	4P-060-P03-Pi
	1/2"	4P-060-M04-P	4P-060-M04-Pi	4P-060-P04-P	4P-060-P04-Pi
Float Drain	1/4"	4P-060-M02-F	4P-060-M02-Fi	4P-060-P02-F	4P-060-P02-Fi
	3/8"	4P-060-M03-F	4P-060-M03-Fi	4P-060-P03-F	4P-060-P03-Fi
	1/2"	4P-060-M04-F	4P-060-M04-Fi	4P-060-P04-F	4P-060-P04-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Metal Bowl Assembly, Brass Float Drain	N34-95-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
Poly Bowl, Manual Flex Drain	N32-95-610

Description	Part Number
Replacement Element	4P-060
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-02
Poly Bowl, Brass Float Drain	N32-15-164
Poly Bowl, Plastic Float Drain	N32-15-165

Air-Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	A	B	C	D
4P-090-M06-P	Metal Bowl, Manual Drain	4.6	16.75	4.6	2.4
4P-090-M06-F	Metal Bowl, Float Drain	4.6	17.5	4.6	2.4
4P-090-M06-Fi	Metal Bowl, Float Drain w/Indicator	4.6	19.0	4.6	2.4
4P-090-P06-P	Poly Bowl, Manual Drain	4.6	14.0	4.6	2.4
4P-090-P06-F	Poly Bowl, Float Drain	4.6	14.5	4.6	2.4
4P-090-P06-Fi	Poly Bowl, Float Drain w/Indicator	4.6	15.0	4.6	2.4

Physical dimensions for the 150 SCFM units are identical to the 90 SCFM units.

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90 & 150 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	1.0 Micron and Larger Activated Carbon Oil Absorption to 0.003 ppm
Differential Pressure	< 3.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	4P-090-M04-P	4P-090-M04-Pi	4P-090-P04-P	4P-090-P04-Pi
	3/4"	4P-090-M06-P	4P-090-M06-Pi	4P-090-P06-P	4P-090-P06-Pi
	1"	4P-090-M08-P	4P-090-M08-Pi	4P-090-P08-P	4P-090-P08-Pi
Float Drain	1/2"	4P-090-M04-F	4P-090-M04-Fi	4P-090-P04-F	4P-090-P04-Fi
	3/4"	4P-090-M06-F	4P-090-M06-Fi	4P-090-P06-F	4P-090-P06-Fi
	1"	4P-090-M08-F	4P-090-M08-Fi	4P-090-P08-F	4P-090-P08-Fi
Manual Drain	1/2"	4P-150-M04-P	4P-150-M04-Pi	4P-150-P04-P	4P-150-P04-Pi
	3/4"	4P-150-M06-P	4P-150-M06-Pi	4P-150-P06-P	4P-150-P06-Pi
	1"	4P-150-M08-P	4P-150-M08-Pi	4P-150-P08-P	4P-150-P08-Pi
Float Drain	1/2"	4P-150-M04-F	4P-150-M04-Fi	4P-150-P04-F	4P-150-P04-Fi
	3/4"	4P-150-M06-F	4P-150-M06-Fi	4P-150-P06-F	4P-150-P06-Fi
	1"	4P-150-M08-F	4P-150-M08-Fi	4P-150-P08-F	4P-150-P08-Fi

Replacement Parts & Accessories

Description	Part Number
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

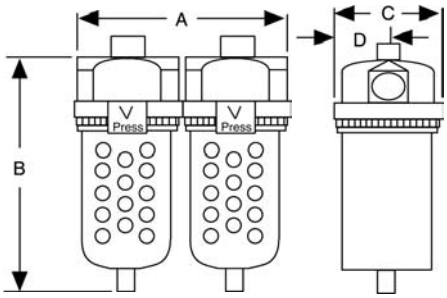
Description	Part Number
Replacement Element	4P-090, 4P-150
Blanking Cap	N32-95-020
Bowl O-Ring	N32-95-256
Manual Drain (for Metal Bowl)	PC-03
Poly Bowl, Brass Float Drain	N32-15-166

Air-Oil Systems, Inc. www.airoil.com

60 SCFM Oil Extractor Combo

Type of contamination: water, dirt, odor and heavy oil

Oil Extractor/Coalescer



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
4P-060-M04-DCP	Metal Bowl, Manual Drain	8.0	10.0	3.8	2.0
4P-060-M04-DC	Metal Bowl, Float Drain	8.0	10.5	3.8	2.0
4P-060-M04-DCi	Metal Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0
4P-060-P04-DCP	Poly Bowl, Manual Drain	8.0	11.0	3.8	2.0
4P-060-P04-DC	Poly Bowl, Float Drain	8.0	10.5	3.8	2.0
4P-060-P04-DCi	Poly Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger Activated Carbon Oil Absorption to 0.003 ppm
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/4"	4P-060-M02-DCP	4P-060-M02-DCPi	4P-060-P02-DCP	4P-060-P02-DCPi
	3/8"	4P-060-M03-DCP	4P-060-M03-DCPi	4P-060-P03-DCP	4P-060-P03-DCPi
	1/2"	4P-060-M04-DCP	4P-060-M04-DCPi	4P-060-P04-DCP	4P-060-P04-DCPi
Float Drain	1/4"	4P-060-M02-DC	4P-060-M02-DCi	4P-060-P02-DC	4P-060-P02-DCi
	3/8"	4P-060-M03-DC	4P-060-M03-DCi	4P-060-P03-DC	4P-060-P03-DCi
	1/2"	4P-060-M04-DC	4P-060-M04-DCi	4P-060-P04-DC	4P-060-P04-DCi

Replacement Parts & Accessories

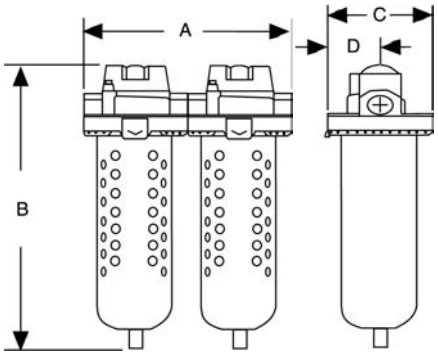
Description	Part Number
Bowl O-Ring	N32-95-257
Metal Bowl Assembly, Brass Float Drain	N34-95-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973
1st Stage Element	4P-060

Description	Part Number
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-02
2nd Stage Element	3C-060
Flex Drain (for Poly Bowl)	N32-95-610
Poly Bowl, Brass Float Drain	N32-15-164
Poly Bowl, Plastic Float Drain	N32-15-165

Air-Oil Systems, Inc. www.airoil.com

90 & 150 SCFM Oil Extractor Combo

Type of contamination: water, dirt, odor and heavy oil



Physical Dimensions

Model #	Description	A	B	C	D
4P-090-M06-DCP	Metal Bowl, Manual Drain	10.0	18.75	4.6	2.4
4P-090-M06-DC	Metal Bowl, Float Drain	10.0	17.5	4.6	2.4
4P-090-M06-DCi	Metal Bowl, Float Drain w/Indicator	10.0	19.0	4.6	2.4
4P-090-P06-DCP	Poly Bowl, Manual Drain	10.0	15.0	4.6	2.4
4P-090-P06-DC	Poly Bowl, Float Drain	10.0	14.5	4.6	2.4
4P-090-P06-DCi	Poly Bowl, Float Drain w/Indicator	10.0	15.0	4.6	2.4

Physical dimensions for the 90 SCFM units are identical to the 150 SCFM units.

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	90 & 150 SCFM @ 100 PSI
Bowl Types	Aluminum Polycarbonate
Maximum Temp & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger Activated Carbon Oil Absorption to 0.003 ppm
Differential Pressure	< 5.0 PSID at Rated Flow

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

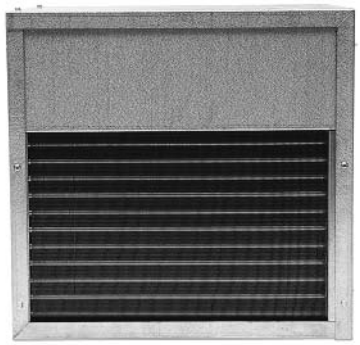
	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Manual Drain	1/2"	4P-090-M04-DCP	4P-090-M04-DCPi	4P-090-P04-DCP	4P-090-P04-DCPi
	3/4"	4P-090-M06-DCP	4P-090-M06-DCPi	4P-090-P06-DCP	4P-090-P06-DCPi
	1"	4P-090-M08-DCP	4P-090-M08-DCPi	4P-090-P08-DCP	4P-090-P08-DCPi
Float Drain	1/2"	4P-090-M04-DC	4P-090-M04-DCi	4P-090-P04-DC	4P-090-P04-DCi
	3/4"	4P-090-M06-DC	4P-090-M06-DCi	4P-090-P06-DC	4P-090-P06-DCi
	1"	4P-090-M08-DC	4P-090-M08-DCi	4P-090-P08-DC	4P-090-P08-DCi
Manual Drain	1/2"	4P-150-M04-DCP	4P-150-M04-DCPi	4P-150-P04-DCP	4P-150-P04-DCPi
	3/4"	4P-150-M06-DCP	4P-150-M06-DCPi	4P-150-P06-DCP	4P-150-P06-DCPi
	1"	4P-150-M08-DCP	4P-150-M08-DCPi	4P-150-P08-DCP	4P-150-P08-DCPi
Float Drain	1/2"	4P-150-M04-DC	4P-150-M04-DCi	4P-150-P04-DC	4P-150-P04-DCi
	3/4"	4P-150-M06-DC	4P-150-M06-DCi	4P-150-P06-DC	4P-150-P06-DCi
	1"	4P-150-M08-DC	4P-150-M08-DCi	4P-150-P08-DC	4P-150-P08-DCi

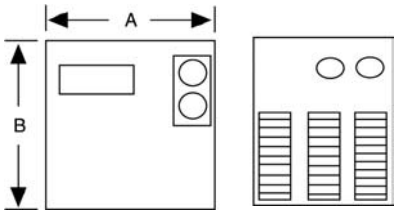
Replacement Parts & Accessories

Description	Part Number
Metal Bowl Assembly, Brass Float Drain	N34-15-179
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-182
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
2nd Stage Element	3C-090, 3C-150
Blanking Cap	N32-95-020
Manual Drain (for Metal Bowl)	PC-03
Bowl O-Ring	N32-95-256
1st Stage Element	4P-090, 4P-150
Poly Bowl, Brass Float Drain	N32-15-166

Air-Oil Systems, Inc. www.airoil.com





Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
PRA-10A1	1/2"	10 SCFM 39 Pressure D.P	50.0	14.0	15.0	12.8
PRA-18A1	1/2"	18 SCFM 39 Pressure D.P	55.0	14.0	15.0	12.8
PRA-24A1	1/2"	24 SCFM 39 Pressure D.P	70.0	14.0	15.0	12.8
PRA-35A1	3/4"	35 SCFM 39 Pressure D.P	90.0	20.0	19.0	16.1
PRA-50A1	3/4"	50 SCFM 39 Pressure D.P	105.0	20.0	19.0	16.1

Specifications

Port Sizes	1/2", 3/4"
Thread Styles	NPT
Electrical Requirement	115-1-60 VAC, 6 ft. cable standard
Cabinet Design	Steel, Galvanized
Recommended Temp. & Pressure*	100°F, 200 PSIG 100°F, 150 PSIG
Dryer Capacity	39°F Dew Point
Differential Pressure	< 5.0 PSID at Rated Flow

**Performance data obtained in accordance with CAGI Standard #ADF-100. Pressure dew point is at 100 PSIG inlet with 100°F inlet air temperature and 100°F ambient temperature. For higher flow capacity units, contact factory.*

Features

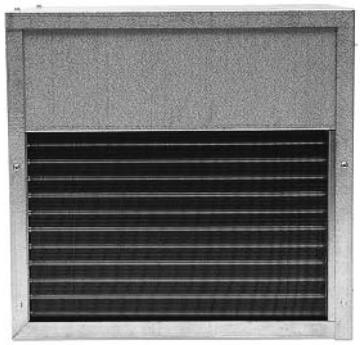
1. Non-Cycling Dryer Design
2. Factory Sealed Motor and Compressor
3. Insulated Heat Exchanger
4. Environmentally Safe Refrigerant
5. Oversized Refrigerant Condenser
6. Smooth Bore Exchanger Design

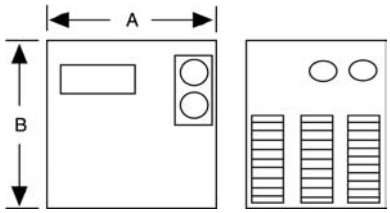
Prefilter recommended to extend operational efficiency of heat exchanger.

Benefits

1. Continuous Duty Operation
2. Lower Risk of Refrigerant Leakage
3. Efficient Energy Saving Design
4. Reduced Ozone Depletion
5. Reduced Risk of Compressor Slugs
6. Low Pressure Drop Design

Air-Oil Systems, Inc. www.airoil.com





Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
PRA-75A	1"	75 SCFM 39 Pressure D.P	175.0	28.0	26.8	21.0
PRA-100A	1"	100 SCFM 39 Pressure D.P	190.0	28.0	26.8	21.0
PRA-150A	1-1/2"	150 SCFM 39 Pressure D.P	250.0	28.0	26.8	21.0
PRA-200A	2"	200 SCFM 39 Pressure D.P	365.0	31.5	39.0	26.0
PRA-250A	2-1/2"	250 SCFM 39 Pressure D.P	440.0	31.5	53.0	26.0

Specifications

Port Sizes	1" thru 2"
Thread Styles	NPT
Electrical Requirement	115-1-60 VAC, or 230-1-60 VAC
Cabinet Design	Steel, Galvanized
Maximum Temp. Maximum Pressure*	125°F 200 PSIG
Dryer Capacity	39°F Dew Point
Differential Pressure	< 5.0 PSID at Rated Flow

**Performance data obtained in accordance with CAGI Standard #ADF-100. Pressure dew point is at 100 PSIG inlet with 100°F inlet air temperature and 100°F ambient temperature. For higher flow capacity units, consult factory.*

Order Guide

Part Number	Flow Capacity	Voltages 115-1-60	Voltages 230-1-60	Voltages 460-3-60
PRA-75A1	75	✓		
PRA-75A2	75		✓	
PRA-100A1	100	✓		
PRA-100A2	100		✓	
PRA-150A2	150		✓	
PRA-150A4	150			✓
PRA-200A2	200		✓	
PRA-200A4	200			✓
PRA-250A2	250		✓	
PRA-250A4	250			✓

Features

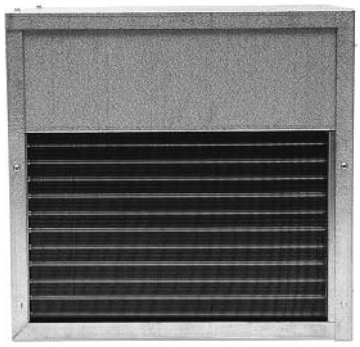
1. Non-Cycling Dryer Design
2. Factory Sealed Motor and Compressor
3 Insulated Heat Exchanger
4. On-Off Switch with Power Light
5. Oversized Refrigerant Condenser
6. Smooth Bore Exchanger Design

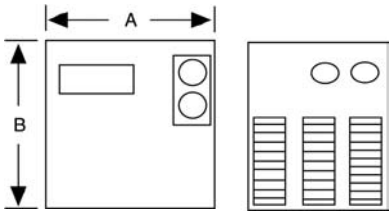
Benefits

1. Continuous Duty Operation
2. Lower Risk of Refrigerant Leakage
3. Efficient Energy Saving Design
4. Reduced Ozone Depletion
5. Reduced Risk of Compressor Slugs
6. Low Pressure Drop Design

Prefilter recommended to extend operational efficiency of heat exchanger.

Air-Oil Systems, Inc www.airoil.com





Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
PTA 020	1/2"	18 SCFM 39 Pressure D.P	100.0	17.0	19.1	20.0
PTA 030	1/2"	29 SCFM 39 Pressure D.P	105.0	17.0	19.1	20.0
PTA 040	1-1/4"	41 SCFM 39 Pressure D.P	180.0	20.0	26.8	28.5
PTA 060	1-1/4"	55 SCFM 39 Pressure D.P	185.0	20.0	26.8	28.5
PTA 080	1-1/4"	80 SCFM 39 Pressure D.P	205.0	20.0	26.8	28.5
PTA 110	1-1/4"	110 SCFM 39 Pressure D.P	345.0	31.5	38.6	26.1
PTA 130	1-1/4"	133 SCFM 39 Pressure D.P	365.0	31.5	38.6	26.1

Specifications

Port Sizes	1/2", 1-1/4"
Thread Styles	NPT
Electrical Requirement	115-1-60 VAC, 460/3/60
Cabinet Design	Steel, Galvanized
Recommended Temp. Maximum Pressure*	200°F 200 PSIG
Dryer Capacity	39°F Dew Point
Differential Pressure	< 3.2 PSID at Rated Flow

**Pressure dew point is at 150 PSIG inlet with 180°F inlet air temperature and 100°F ambient temperature. For higher flow capacity units, contact factory.*

Features

1. Non-Cycling Dryer Design
2. Factory Sealed Motor and Compressor
3. Insulated Heat Exchanger
4. Environmentally Safe Refrigerant
5. Oversized Refrigerant Condenser
6. Smooth Bore Exchanger Design

Prefilter recommended to extend operational efficiency of heat exchanger.

Benefits

1. Continuous Duty Operation
2. Eliminates Need for Separate Aftercooler
3. Efficient Energy Saving Design
4. Reduced Ozone Depletion
5. Reduced Risk of Compressor Slugs
6. Low Pressure Drop Design

Correction Factors for Determining Sizing

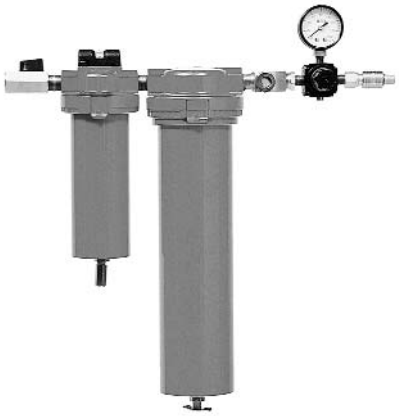
Inlet Air Pressure		Inlet Air Temperature		Ambient Air Temperature	
(PSIG)	Factor	Temp. F/C	Factor	Temp. F/C	Factor
100 PSIG	1.3	125/52	0.50	90/32	0.89
125 PSIG	1.12	150/66	0.75	100/38	1.0
150 PSIG	1.0	180/82	1.0	110/43	1.16
175 PSIG	0.91	200/93	1.08	120/49	1.30

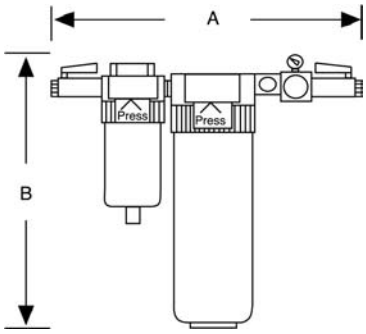
Application Example

45 SCFM Air Flow	175 PSIG	150°F Inlet Air, 110°F Ambient Air
45 times	0.91 times	0.75 times 1.16 = 35.6 SCFM

Utilize the next larger size than the value obtained in the example, specify the PTA-040.

Air-Oil Systems, Inc. www.airoil.com





Front View

Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
E4000-4	1/2"	10 SCFM -40 Press D.P	18.0	17.0	19.0	4.7
E4000-2	1/4"	10 SCFM -40 Press D.P	18.0	17.0	19.0	4.7
E4000-3	3/8"	10 SCFM -40 Press D.P	18.0	17.0	19.0	4.7
* N4000-4	1/2"	10 SCFM -40 Press D.P	18.0	14.0	19.0	4.7
* N4000-2	1/4"	10 SCFM -40 Press D.P	18.0	14.0	19.0	4.7
* N4000-3	3/8"	10 SCFM -40 Press D.P	18.0	14.0	19.0	4.7

Do not operate above 120ÞF inlet conditions. For applications requiring pressure dew points below -40ÞF, contact factory.
**N configuration does not include air regulator assembly.*

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT
Dryer Design	Manual, Regenerated
Recommended Temp. Maximum Pressure*	100°F 150 PSIG
Dryer Capacity	-40°F Dew Point
Filter Capacity	1 Micron and Larger Activated Carbon Oil Absorption to 0.003 ppm
Flow Capacity	10 SCFM
Differential Pressure	< 5.0 PSID at Rated Flow

**Pressure dew point is at 100 PSIG inlet with 100°F inlet air temperature and 100ÞF ambient temperature. For higher flow capacity units, contact factory.*

Features

1. Activated Carbon Prefilter
2. Inverse Flow Technology
3. Automatic Drain in First Stage
4. Built-in Final Filter
5. Spin On/Spin Off Desiccant Canisters
6. Wall Mountable Designs

Benefits

1. Continuous Low Dew Point Operation
2. Easily Maintained and Serviced
3. Upward Compressed Air Drying
4. Built-in Dew Point w/Indicator
5. No Desiccant Dust Migration
6. Low Pressure Drop Design

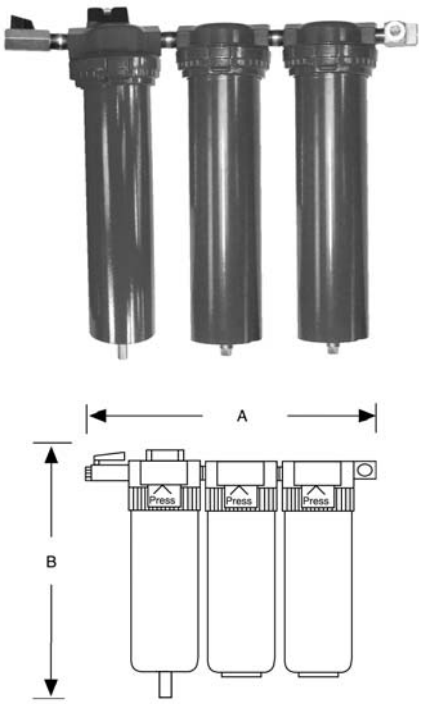
Replacement Parts & Accessories

Description	Part Number
1st Stage Element	4P-060
2nd Stage Element	DE401
1st Stage Bowl Assembly	N34-95-200
Auto Float Drain	N32-95-978
Manual Drain	PC-02
1st Stage O-Ring	N32-95-257

Description	Part Number
2nd Stage O-Ring	N32-95-256
Regulator/Valve/Gauge Assembly	RG 1
Regulator	R79
Slide Valve	SV-02
Pressure Gauge	PG-160
Differential Pressure Indicator	N32-Wi-DPi

Desiccant Dryer

Air-Oil Systems, Inc. www.airoil.com



Front View

Physical Dimensions

Model #	Description	A	B	C
E6000	Poly Bowl, Auto Drain, w/ Ind.	8.0	11.5	2.0

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT
Dryer Design	Manual, Regenerated
Recommended Temp. Maximum Pressure*	100°F 150 PSIG
Dryer Capacity	-40°F Dew Point
Filter Capacity	1 Micron and Larger Activated Carbon Oil Absorption to 0.003 ppm
Flow Capacity	25 SCFM
Differential Pressure	< 5.0 PSID at Rated Flow

**Pressure dew point is at 100 PSIG inlet with 100°F inlet air temperature and 100ÞF ambient temperature. For higher flow capacity units, contact factory.*

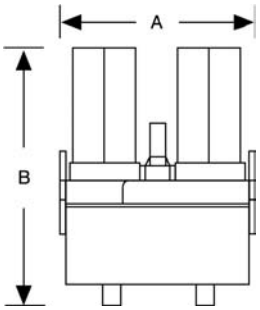
Replacement Parts & Accessories

Description	Part Number
Differential Indicator	N32-W1-DPi
Blanking Cap	N32-95-020
Brass Float Drain	N32-95-978
Manual Drain	PC-03
Plastic Float Drain	N32-95-973

Description	Part Number
1st Stage Element	4P-090
2nd & 3rd Stage Element	DE401
1st Stage Element O-Ring	N32-95-257
2nd & 3rd Stage Element O-Ring	N32-95-256

Desiccant Dryer

Air-Oil Systems, Inc. www.airoil.com



Front View

Specifications

Port Sizes	1/4"
Thread Styles	NPT
Electrical Requirement	115-1-60 VAC
Optional voltage	208/250v, 50-60Hz
Dryer Design	Pressure Swing, Heatless Activated Alumina
Recommended Temp. Maximum Pressure*	70°F 100 PSIG
Dryer Capacity	-40°F Dew Point Optional units to -100°F
Differential Pressure	< 3.5 PSID at Rated Flow

**Pressure dew point is at 100 PSIG inlet with 70°F inlet air temperature.*

Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
DE0-AE-000	1/4"	2.8 SCFM -40 Press D.P	7.0	8.2	5.0	13.0
DE1-AE-000	1/4"	5.8 SCFM -40 Press D.P	8.0	8.2	5.0	16.0
DE2-AE-000	1/4"	8.0 SCFM -40 Press D.P	9.0	8.2	5.0	19.0

Do not operate above 120°F inlet conditions. For applications requiring pressure dew points below -40ÞF, contact factory.

Features

1. Solid State Timing System
2. Built-In Mounting Brackets
3. Reliable Switching Valves

Pre and After filtration recommended to maximize service intervals and reduce downstream particulate migration.

Benefits

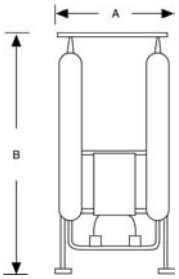
1. Continuous Low Dew Point Operation
2. Low Bed Velocity Ensures Proper Drying
3. Upward Compressed Air Drying
4. Counter Current Desiccant Drying
5. Prefilters are Required for Operation
6. Low Pressure Drop Design

Replacement Parts & Accessories

Description	Part Number
Exhaust Muffler	DRP-94-188
Moisture Indicator	DRP-94-169
DE0 Towers	DRP-94-101
DE1 Towers	DRP-94-102
DE2 Towers	DRP-94-103

Air-Oil Systems, Inc. www.airoil.com

Desiccant Dryer



Front View

Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
PH20B100	1/2"	20 SCFM -40 Press D.P	80.0	22.0	31.1	14.5
PH30B100	1/2"	30 SCFM -40 Press D.P	105.0	22.0	43.3	14.5
PH40B100	3/4"	40 SCFM -40 Press D.P	115.0	22.0	44.0	15.0
PH60B100	3/4"	60 SCFM -40 Press D.P	155.0	22.0	56.0	15.0
PH80B100	3/4"	80 SCFM -40 Press D.P	290.0	26.0	85.0	26.0

Do not operate above 120°F inlet conditions. For applications requiring pressure dew points below -40°F, contact factory.

Specifications

Port Sizes	1/2", 3/4"
Thread Styles	NPT
Electrical Requirement	115-1-60 VAC, Power On Light
Dryer Design	Pressure Swing, Heatless Activated Alumina
Recommended Temp. Maximum Pressure*	120°F 150 PSIG
Dryer Capacity	-40°F Dew Point
Differential Pressure	< 3.5 PSID at Rated Flow

**Pressure dew point is at 100 PSIG inlet with 100°F inlet air temperature and 100°F ambient temperature. For higher flow capacity units, contact factory.*

Features

1. Power On Light and Cord Provided
2. Tower Sequencing Lights
3. Removable Stainless Steel Retainer Screen
4. Reliable Cam Timers
5. Shipped Ready to Operate
6. Wall Mountable Designs

Benefits

1. Continuous Low Dew Point Operation
2. Low Bed Velocity Ensures Proper Drying
3. Upward Compressed Air Drying
4. Counter Current Desiccant Drying
5. Prefilters are Required for Operation
6. Low Pressure Drop Design

Pre and After filtration recommended to maximize service intervals and reduce downstream particulate migration.

Operating Conditions & Correction Factors

Pressure	CF	Purge Rate	Pressure	CF	Purge Rate
75	.78	.190	115	1.13	.13
80	.82	.180	120	1.17	.125
85	.87	.170	125	1.22	.120
90	.91	.160	130	1.26	.117
95	.95	.155	135	1.30	.113
100	1.00	.150	140	1.35	.109
105	1.04	.140	145	1.39	.106
110	1.09	.135	150	1.44	.102

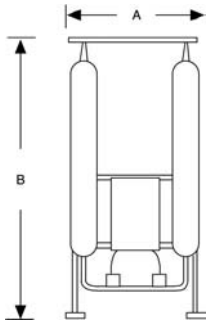
Example

What flow capacity does a 40 SCFM dryer have with an operating pressure of 90 PSIG?

Outlet flow = (40 SCFM x .91) - (40 x .160) = 30 SCFM dry air available

Desiccant Dryer

Air-Oil Systems, Inc. www.airoil.com



Front View

Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
PH100B100	1"	100 SCFM -40 Press D.P	300.0	27.0	86.0	26.0
PH140B100	1"	140 SCFM -40 Press D.P	430.0	29.0	85.0	26.0
PH180B100	1-1/2"	180 SCFM -40 Press D.P	450.0	35.0	87.0	30.0
PH280B100	1-1/2"	280 SCFM -40 Press D.P	625.0	37.0	90.0	30.0
PH410B100	2"	410 SCFM -40 Press D.P	800.0	47.0	92.0	33.0

Do not operate above 120°F inlet conditions. For applications requiring pressure dew points below -40°F, contact factory.

Specifications

Port Sizes	1", 1-1/2", 2"
Thread Styles	NPT
Electrical Requirement	115-1-60 VAC, Power On Light
Dryer Design	Pressure Swing, Heatless Activated Alumina
Recommended Temp. Maximum Pressure*	120°F 150 PSIG
Dryer Capacity	-40°F Dew Point
Differential Pressure	< 3.5 PSID at Rated Flow

**Pressure dew point is at 100 PSIG inlet with 100°F inlet air temperature and 100°F ambient temperature. For higher flow capacity units, contact factory.*

Example

What flow capacity does a 100 SCFM dryer have with an operating pressure of 90 PSIG?

Outlet flow = (100 SCFM x .91) - (100 x .160) = 75 SCFM dry air available

Features

1. Power On Light and Cord Provided
2. Tower Sequencing Lights
3. ASME Coded Vessels
4. Reliable Cam Timers
5. Control Air Filter
6. Adjustable Purge Flow

Benefits

1. Continuous Low Dew Point Operation
2. Low Bed Velocity Ensures Proper Drying
3. Upward Compressed Air Drying
4. Counter Current Desiccant Drying
5. Prefilters are Required for Operation
6. Low Pressure Drop Design

Pre and After filtration recommended to maximize service intervals and reduce downstream particulate migration.

Sizing Procedure

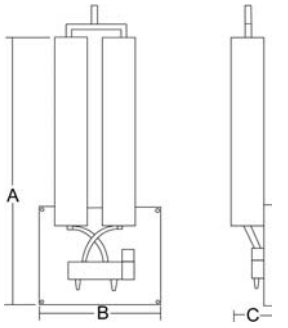
For purge air requirements, multiply inlet air flow by the purge air rate factor from the table below.

Operating Conditions & Correction Factors

Pressure	CF	Purge Rate	Pressure	CF	Purge Rate
75	.78	.190	115	1.13	.13
80	.82	.180	120	1.17	.125
85	.87	.170	125	1.22	.120
90	.91	.160	130	1.26	.117
95	.95	.155	135	1.30	.113
100	1.00	.150	140	1.35	.109
105	1.04	.140	145	1.39	.106
110	1.09	.135	150	1.44	.102

Air-Oil Systems, Inc. www.airoil.com

Desiccant Dryer



Front View Side View

Physical Dimensions

Manual Drain Models:

Model #	Description	A	B	C
DRAD-8	Regenerative Desiccant Dryer	27.25	11.0	4.5
DRAD-15	Regenerative Desiccant Dryer	48.0	11.0	4.5

Specifications

Port Sizes	1/4" DRAD-8 3/8" DRAD-15
Thread Styles	NPT
Flow Capacity	8 or 15 SCFM @ 100 PSI
Bowl Type	Aluminum
Maximum Temp. & Pressure*	100°F, 150PSIG
Dryer Capacity	-40°F Pressure Dew Point -100°F Pressure Dew Point (Optional)

Replacement Parts & Accessories

DRAD-8

Description
Shuttle Valve
Solenoid Valve
Timer
Mufflers

DRAD-15

Description
Shuttle Valve
Solenoid Valve
Timer
Mufflers

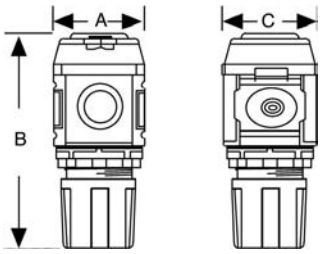
Recommended Equipment

Prefilter
3C-020-M02-Fi

Afterfilter
3C-020-M02-Pi

Air-Oil Systems, Inc. www.airoil.com

Desiccant Dryer



Front View Side View

Physical Dimensions

Model #	Description	Wt.	A	B	C
R08-02	1/4" Pressure Regulator	6.6	1.6	4.0	1.6
R16-02	1/4" Pressure Regulator	1.7	3.0	5.2	2.6
R16-03	3/8" Pressure Regulator	1.7	3.0	5.2	2.6
R16-04	1/2" Pressure Regulator	1.7	3.0	5.2	2.6
R26-02	1/4" Pressure Regulator	2.5	3.4	6.5	3.1
R26-03	3/8" Pressure Regulator	2.5	3.4	6.5	3.1
R26-04	1/2" Pressure Regulator	2.5	3.4	6.5	3.1

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPP
Flow Capacity	40 SCFM R08 @ 100 PSI
Flow Capacity	71 SCFM R16 @ 100 PSI
Flow Capacity	112 SCFM R26 @ 100 PSI
Body Style	Zinc
Maximum Temp. Maximum Pressure*	175°F 300 PSIG
Adj. Pressure Range	0 to 125 PSIG

**For higher pressure applications, consult factory.*

Order Guide—Medium Flow

Port	Flow Capacity	Relieving w/Gauge	Relieving w/o Gauge	Non Relieving w/Gauge	Non Relieving w/o Gauge
1/4"	40 SCFM	R08-02-F0G0	R08-02-F000	R08-02-R0G0	R08-02-R000
1/4"	71.5 SCFM	R16-02-G00	R16-02-000	R16-02-GN0	R16-02-N00
3/8"	80.5 SCFM	R16-03-G00	R16-03-000	R16-03-GN0	R16-03-N00
1/2"	88.0 SCFM	R16-04-G00	R16-04-000	R16-04-GN0	R16-04-N00

Order Guide—High Flow

Port	Flow Capacity	Relieving w/Gauge	Relieving w/o Gauge	Non Relieving w/Gauge	Non Relieving w/o Gauge
1/4"	112 SCFM	R26-02-G00	R26-02-000	R26-02-GN0	R26-02-N00
3/8"	148 SCFM	R26-03-G00	R26-03-000	R26-03-GN0	R26-03-N00
1/2"	185 SCFM	R26-04-G00	R26-04-000	R26-04-GN0	R26-04-N00

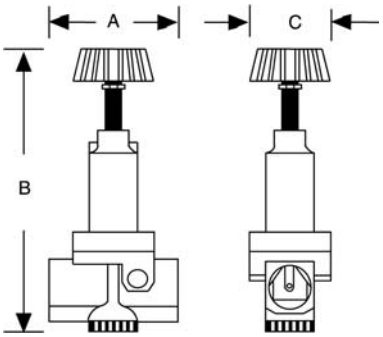
Replacement Parts & Accessories

Description	Part Number
R08 Non Relieving Diaphragm	GRP-96-726
R08 Relieving Diaphragm	GRP-96-725
R08 Regulating Spring 0-125	GRP-96-717
R08 Bottom Valve Kit	RRP-96-727
R16 Non Relieving Diaphragm	RRP-96-216
R16 Relieving Diaphragm	RRP-96-213

Description	Part Number
R16 Regulating Spring 0-125	RRP-95-224
R16 Bottom Rebuilding Kit	RRP-96-215
R26 Non Relieving Diaphragm	RRP-96-332
R26 Relieving Diaphragm	RRP-96-238
R26 Regulating Spring 0-125	GRP-95-225
R26 Bottom Rebuilding Kit	RRP-96-294

Air-Oil Systems, Inc. www.airoil.com

Regulator



Specifications

Port Sizes	3/4", 1", 1-1/4"
Thread Styles	NPT, BSPP
Flow Capacity	481 SCFM R30-06 @ 100 PSI
Flow Capacity	500 SCFM R30-08 @ 100 PSI
Flow Capacity	800 SCFM R30-0A @ 100 PSI
Body Style	Zinc
Maximum Temp. Maximum Pressure*	175°F 300 PSIG
Adj. Pressure Range	0 to 125 PSIG

**For higher pressure applications, consult factory.*

Physical Dimensions

Model #	Description	Wt.	A	B	C
R30-06	3/4" Pressure Regulator	6.0	4.3	10.3	2.6
R30-08	1" Pressure Regulator	6.0	4.3	10.3	2.6
R30-0A	1-1/4" Pressure Regulator	6.0	4.3	10.3	2.6

Order Guide

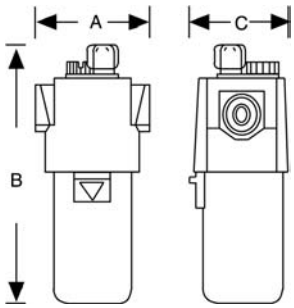
Port	Flow Capacity	Relieving w/o Gauge	Non Relieving w/o Gauge
3/4"	481 SCFM	R30-06-000	R30-06-N00
1"	500 SCFM	R30-08-000	R30-08-N00
1-1/4"	800 SCFM	R30-0A-000	R30-0A-N00

Replacement Parts & Accessories

Description	Part Number
R30 Non Relieving Piston	RRP-95-451
R30 Bottom Rebuilding Kit	RRP-95-159
R30 Regulating Spring 0-125	RRP-95-226

Air-Oil Systems, Inc. www.airoil.com

Regulator



Physical Dimensions

Model #	Description	Wt.	A	B	C
L16-02	1/4" Lubricator	1.8	3.0	6.7	2.6
L16-03	3/8" Lubricator	1.8	3.0	6.7	2.6
L16-04	1/2" Lubricator	1.8	3.0	6.7	2.6
L26-02	1/4" Lubricator	2.4	3.4	7.1	3.1
L26-03	3/8" Lubricator	2.4	3.4	7.1	3.1
L26-04	1/2" Lubricator	2.4	3.4	7.1	3.1

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPP
Flow Capacity	36 to 64 SCFM L16 @ 100 PSI
Flow Capacity	35 to 128 SCFM L26 @ 100 PSI
Body Style	Zinc
Maximum Temp. Maximum Pressure*	125°F 150 PSIG
Liquid volume L16	5 ounces
Liquid volume L26	10 ounces

**For higher pressure applications, consult factory.*

Order Guide—Medium Flow

Port	Flow capacity	Poly Bowl	Metal Bowl
1/4"	36 SCFM	L16-02-000	L16-02-G00
3/8"	59 SCFM	L16-03-000	L16-03-G00
1/2"	64 SCFM	L16-04-000	L16-04-G00

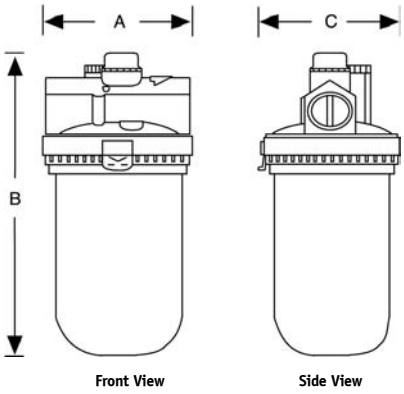
Order Guide—High Flow

Port	Flow capacity	Poly Bowl	Metal Bowl
1/4"	35 SCFM	L26-02-000	L26-02-G00
3/8"	60 SCFM	L26-03-000	L26-03-G00
1/2"	128 SCFM	L26-04-000	L26-04-G00

Replacement Parts & Accessories

Description	Part Number	Description	Part Number
L16 Poly Bowl w/Guard	GRP-95-133	L26 Poly Bowl w/Guard	GRP-95-931
L16 Wall Mount Bracket	GPA-95-016	L26 Wall Mount Bracket	GPA-95-946

Air-Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	Wt.	A	B	C
L30-06	3/4" Pressure Regulator	6.0	4.7	10.3	4.8
L30-08	1" Pressure Regulator	6.0	4.7	10.3	4.8

Order Guide

Port	Flow Capacity	Poly Bowl	Metal Bowl
3/4"	196 SCFM	L30-06-000	L30-06-G00
1"	374 SCFM	L30-08-000	L30-08-G00

Specifications

Port Sizes	3/4", 1"
Thread Styles	NPT, BSPP
Flow Capacity	196 SCFM L30-06 @ 100 PSI
Flow Capacity	374 SCFM R30-08 @ 100 PSI
Body Style	Zinc
Maximum Temp. Maximum Pressure*	125°F 150 PSIG
Liquid Capacity	26 ounces

**For higher pressure applications, consult factory.*

Replacement Parts & Accessories

Description	Part Number
Plastic Bowl w/Drain	LRP-95-830
Metal Bowl w/Sight Glass	GRP-95-676
Wall Mount Bracket	GRP-95-734

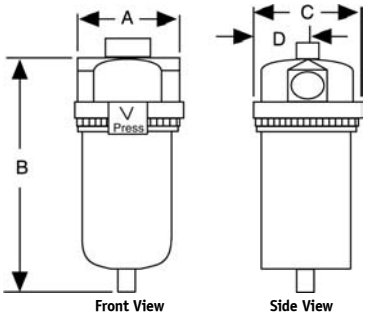
Air-Oil Systems, Inc. www.airoil.com

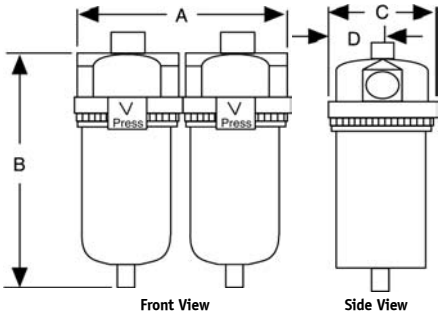
Food Grade Separator/Coalescer

Eliminex

Food Grade Units comply with FDA approved specifications

Eliminex Combo





Specifications

Port Sizes	3/8", 1/2"
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	Aluminum w/Food Grade Powder Coating
Maximum Temp. & Pressure*	125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger (Combo) 3.0 Micron and Larger (Eliminex)
Differential Pressure	< 5.0 PSID at Rated Flow

Physical Dimensions

Model #	Description	A	B	C	D
1P-060-F04-Pi	Metal Bowl, Manual Drain w/Indicator	3.8	10.0	3.8	2.0
1P-060-F04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
1P-060-F04-DCPi	Metal Bowl, Manual Drain w/Indicator	8.0	10.0	3.8	2.0
1P-060-F04-DCi	Metal Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	3/8"	1P-060-F03-P	1P-060-F03-Pi
	1/2"	1P-060-F04-P	1P-060-F04-Pi
Float Drain	3/8"	1P-060-F03-F	1P-060-F03-Fi
	1/2"	1P-060-F04-F	1P-060-F04-Fi
Manual Drain	3/8"	1P-060-F03-DCP	1P-060-F03-DCPi
	1/2"	1P-060-F04-DCP	1P-060-F04-DCPi
Float Drain	3/8"	1P-060-F03-DC	1P-060-F03-DCi
	1/2"	1P-060-F04-DC	1P-060-F04-DCi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Differential Indicator	N32-W1-DPi-FG
Brass Float Drain	N32-95-978-FG
Plastic Float Drain	N32-95-973-FG

Description	Part Number
Blanking Cap	N32-95-020-FG
Manual Drain	PC-03
1st Stage Element	1P-060
2nd Stage Element	3C-060

Air-Oil Systems, Inc. www.airoil.com

60 SCFM Eliminizer & Eliminizer Combo

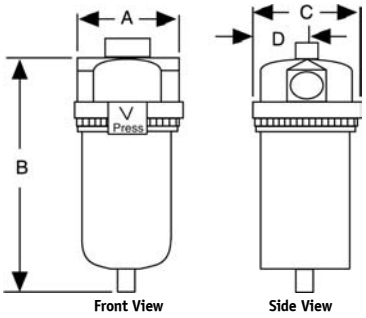
Type of contamination: water, dirt (& oil for combo)

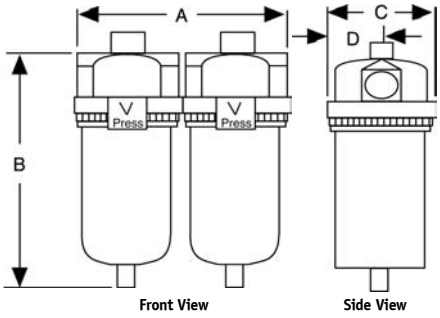
Food Grade Filter Dryer/Coalescer

Eliminizer

Food Grade Units comply with FDA approved specifications

Eliminizer Combo





Specifications

Port Sizes	3/8", 1/2"
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	Aluminum w/Food Grade Powder Coating
Maximum Temp. & Pressure*	125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger (Combo) 1.0 Micron and Larger (Eliminizer)
Differential Pressure	< 5.0 PSID at Rated Flow

Physical Dimensions

Model #	Description	A	B	C	D
3P-060-F04-Pi	Metal Bowl, Manual Drain w/Indicator	3.8	10.0	3.8	2.0
3P-060-F04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
3P-060-F04-DCPi	Metal Bowl, Manual Drain w/Indicator	8.0	10.0	3.8	2.0
3P-060-F04-DCi	Metal Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	3/8"	3P-060-F03-P	3P-060-F03-Pi
	1/2"	3P-060-F04-P	3P-060-F04-Pi
Float Drain	3/8"	3P-060-F03-F	3P-060-F03-Fi
	1/2"	3P-060-F04-F	3P-060-F04-Fi
Manual Drain	3/8"	3P-060-F03-DCP	3P-060-F03-DCPi
	1/2"	3P-060-F04-DCP	3P-060-F04-DCPi
Float Drain	3/8"	3P-060-F03-DC	3P-060-F03-DCi
	1/2"	3P-060-F04-DC	3P-060-F04-DCi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Differential Indicator	N32-W1-DPi-FG
Brass Float Drain	N32-95-978-FG
Plastic Float Drain	N32-95-973-FG

Description	Part Number
Blanking Cap	N32-95-020-FG
Manual Drain	PC-03
1st Stage Element	3P-060
2nd Stage Element	3C-060

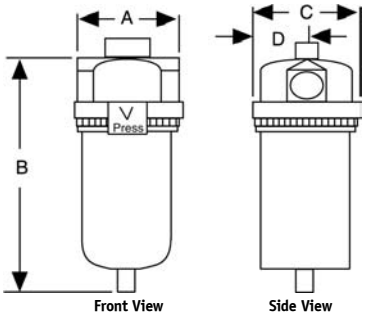
Air-Oil Systems, Inc. www.airoil.com

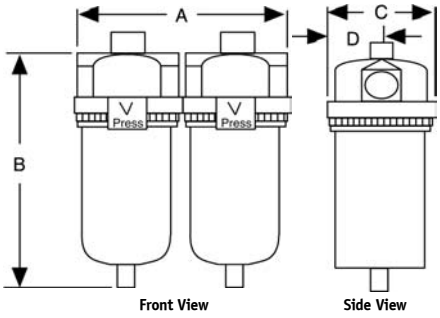
Food Grade Oil Extractor/Coalescer

Oil Extractor

Food Grade Units comply with FDA approved specifications

Oil Extractor Combo





Specifications

Port Sizes	3/8", 1/2"
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	Aluminum w/Food Grade Powder Coating
Maximum Temp. & Pressure*	125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger (Combo) 1.0 Micron and Larger (Oil Extractor) Activated Carbon Oil Absorption to 0.003 ppm
Differential Pressure	< 5.0 PSID at Rated Flow

Physical Dimensions

Model #	Description	A	B	C	D
4P-060-F04-Pi	Metal Bowl, Manual Drain w/Indicator	3.8	10.0	3.8	2.0
4P-060-F04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
4P-060-F04-DCPi	Metal Bowl, Manual Drain w/Indicator	8.0	10.0	3.8	2.0
4P-060-F04-DCi	Metal Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	3/8"	4P-060-F03-P	4P-060-F03-Pi
	1/2"	4P-060-F04-P	4P-060-F04-Pi
Float Drain	3/8"	4P-060-F03-F	4P-060-F03-Fi
	1/2"	4P-060-F04-F	4P-060-F04-Fi
Manual Drain	3/8"	4P-060-F03-DCP	4P-060-F03-DCPi
	1/2"	4P-060-F04-DCP	4P-060-F04-DCPi
Float Drain	3/8"	4P-060-F03-DC	4P-060-F03-DCi
	1/2"	4P-060-F04-DC	4P-060-F04-DCi

Replacement Parts & Accessories

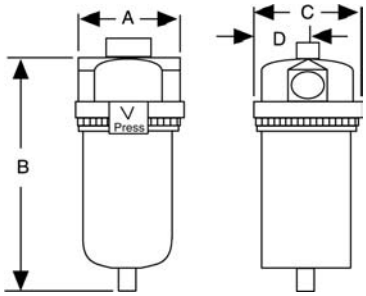
Description	Part Number
Bowl O-Ring	N32-95-257
Differential Indicator	N32-W1-DPi-FG
Brass Float Drain	N32-95-978-FG
Plastic Float Drain	N32-95-973-FG

Description	Part Number
Blanking Cap	N32-95-020-FG
Manual Drain	PC-03
1st Stage Element	4P-060
2nd Stage Element	3C-060

Air-Oil Systems, Inc. www.airoil.com

Food Grade Coalescer

Food Grade Units comply with
FDA approved specifications



Front View Side View

Physical Dimensions

Model #	Description	A	B	C	D
3C-060-F04-Pi	Metal Bowl, Manual Drain w/Indicator	3.8	10.0	3.8	2.0
3C-060-F04-Fi	Metal Bowl, Float Drain w/Indicator	3.8	11.5	3.8	2.0
3C-060-F04-DCPi	Metal Bowl, Manual Drain w/Indicator	8.0	10.0	3.8	2.0
3C-060-F04-DCi	Metal Bowl, Float Drain w/Indicator	8.0	11.5	3.8	2.0

Specifications

Port Sizes	3/8", 1/2"
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	Aluminum w/Food Grade Powder Coating
Maximum Temp. & Pressure*	125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 5.0 PSID at Rated Flow

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator
Manual Drain	3/8"	3C-060-F03-P	3C-060-F03-Pi
	1/2"	3C-060-F04-P	3C-060-F04-Pi
Float Drain	3/8"	3C-060-F03-F	3C-060-F03-Fi
	1/2"	3C-060-F04-F	3C-060-F04-Fi

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-257
Differential Indicator	N32-W1-DPi-FG
Brass Float Drain	N32-95-978-FG
Plastic Float Drain	N32-95-973-FG

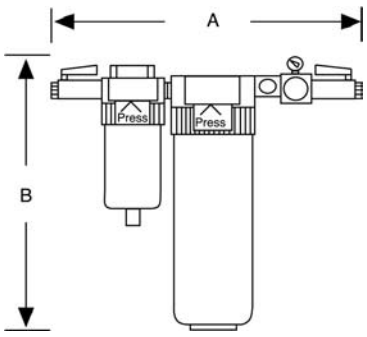
Description	Part Number
Blanking Cap	N32-95-020-FG
Manual Drain	PC-03
Element	3C-060

Air-Oil Systems, Inc. www.airoil.com

Type of contamination: water, water vapor, dirt, odor & light oil

Food Grade Desiccant Dryer

Food Grade Units comply with FDA approved specifications



Front View

Specifications

Port Sizes	1/2"
Thread Styles	NPT
Dryer Design	Manual, Regenerated
Recommended Temp. Maximum Pressure*	100°F 150 PSIG
Dryer Capacity	-40°F Dew Point
Filter Capacity	1.0 Micron and Larger Activated Carbon Oil Absorption to 0.003 ppm
Flow Capacity	10 SCFM
Differential Pressure	< 5.0 PSID at Rated Flow

**Pressure dew point is at 100 PSIG inlet with 100°F inlet air temperature and 100PF ambient temperature. For higher flow capacity units, contact factory.*

Physical Dimensions

Model #	Port	Description	Wt.	A	B	C
FG4000	1/2"	10 SCFM -40 Press D.P	18.0	14.0	19.0	4.7

Benefits

1) Continuous Low Dew Point Operation

2) Easily Maintained and Serviced

3) Upward Compressed Air Drying

4) Built-in Dew Point Indicator

5) No Desiccant Dust Migration

6) Low Pressure Drop Design

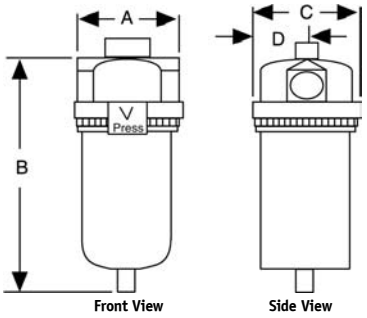
Replacement Parts & Accessories

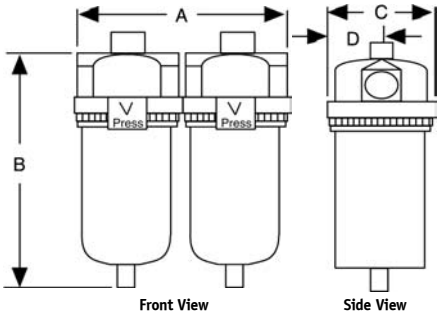
Description	Part Number	Description	Part Number
Differential Indicator	N32-W1-DPi-FG	1st Stage Element	4P-060
Blanking Cap	N32-95-020-FG	2nd Stage Element	DE401
Brass Float Drain	N32-95-978-FG	1st Stage Element O-Ring	N32-95-257
Manual Drain	PC-03	2nd Stage Element O-Ring	N32-95-256
Plastic Float Drain	N32-95-973-FG		

Air-Oil Systems, Inc. www.airoil.com

Eliminex

Eliminex Combo





Specifications

Port Sizes	1/2" (060); 3/4", 1" (090, 150)
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	316 Stainless Steel
Maximum Temp. & Pressure*	Auto Drain:125°F, 150 PSIG Man. Drain:150°F, 250 PSIG
Filter Capacity	0.01 Micron and Larger (Combo) 3.0 Micron and Larger (Eliminex)
Differential Pressure	< 3.0 PSID at Rated Flow

Physical Dimensions

Model #	Description	A	B	C
1P-060-S04-P	Metal Bowl, Manual Drain	3.25	11.0	3.25
1P-060-S04-F	Metal Bowl, Float Drain	3.25	11.0	3.25
1P-060-S04-DCP	Metal Bowl, Manual Drain, Combo	7.0	11.0	3.25
1P-060-S04-DC	Metal Bowl, Float Drain, Combo	7.0	11.0	3.25
1P-090-S06-P	Metal Bowl, Manual Drain	3.75	15.5	3.75
1P-150-S08-F	Metal Bowl, Float Drain	3.75	15.5	3.75
1P-150-S06-DCP	Metal Bowl, Manual Drain, Combo	8.0	15.5	3.75
1P-090-S08-DC	Metal Bowl, Float Drain, Combo	8.0	15.5	3.75

Order Guide

	60 SCFM Metal Bowl 1/2" Port	90 SCFM Metal Bowl 3/4" Port	150 SCFM Metal Bowl 1" Port
Manual Drain	1P-060-S04-P	1P-090-S06-P	1P-150-S08-P
Float Drain	1P-060-S04-F	1P-090-S06-F	1P-150-S08-F
Manual Drain	1P-060-S04-DCP	1P-090-S06-DCP	1P-150-S08-DCP
Float Drain	1P-060-S04-DC	1P-090-S06-DC	1P-150-S08-DC

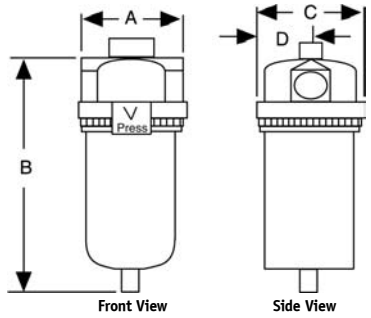
Replacement Parts & Accessories

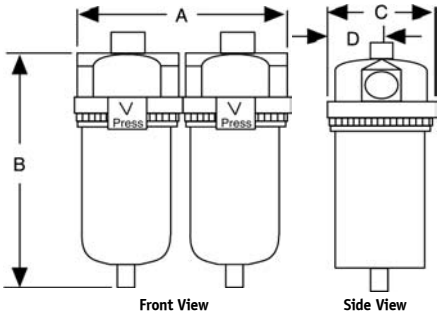
Description	Part Number
Bowl O-Ring (060)	N32-95-147
Bowl O-Ring (090, 150)	KSG-176
Plastic Float Drain	N32-95-973
Manual Drain	PC-03
1st Stage Element	1P-060, 1P-090 1P-150
2nd Stage Element (Combo)	3C-060, 3C-090 3C-150

Air-Oil Systems, Inc. www.airoil.com

Eliminizer

Eliminizer Combo





Specifications

Port Sizes	1/2" (060); 3/4", 1" (090, 150)
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	316 Stainless Steel
Maximum Temp. & Pressure*	Auto Drain:125°F, 150 PSIG Man. Drain:150°F, 250 PSIG
Filter Capacity	0.01 Micron and Larger (Combo) 1.0 Micron and Larger (Eliminizer)
Differential Pressure	< 3.0 PSID at Rated Flow

Physical Dimensions

Model #	Description	A	B	C
3P-060-S04-P	Metal Bowl, Manual Drain	3.25	11.0	3.25
3P-060-S04-F	Metal Bowl, Float Drain	3.25	11.0	3.25
3P-060-S04-DCP	Metal Bowl, Manual Drain, Combo	7.0	11.0	3.25
3P-060-S04-DC	Metal Bowl, Float Drain, Combo	7.0	11.0	3.25
3P-090-S06-P	Metal Bowl, Manual Drain	3.75	15.5	3.75
3P-150-S08-F	Metal Bowl, Float Drain	3.75	15.5	3.75
3P-150-S06-DCP	Metal Bowl, Manual Drain, Combo	8.0	15.5	3.75
3P-090-S08-DC	Metal Bowl, Float Drain, Combo	8.0	15.5	3.75

Order Guide

	60 SCFM Metal Bowl 1/2" Port	90 SCFM Metal Bowl 3/4" Port	150 SCFM Metal Bowl 1" Port
Manual Drain	3P-060-S04-P	3P-090-S06-P	3P-150-S08-P
Float Drain	3P-060-S04-F	3P-090-S06-F	3P-150-S08-F
Manual Drain	3P-060-S04-DCP	3P-090-S06-DCP	3P-150-S08-DCP
Float Drain	3P-060-S04-DC	3P-090-S06-DC	3P-150-S08-DC

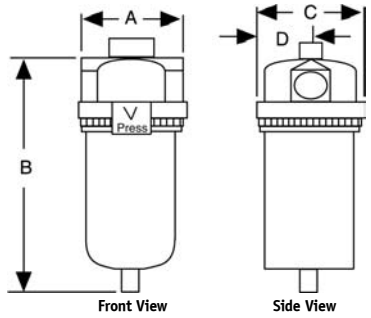
Replacement Parts & Accessories

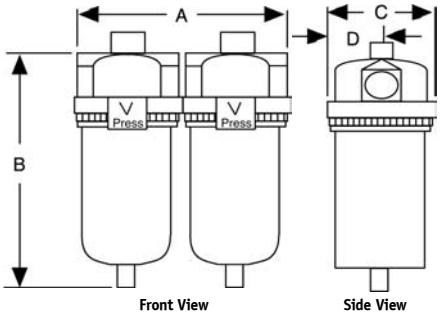
Description	Part Number
Bowl O-Ring (060)	N32-95-147
Bowl O-Ring (090, 150)	KSG-176
Plastic Float Drain	N32-95-973
Manual Drain	PC-03
1st Stage Element	3P-060, 3P-090 3P-150
2nd Stage Element (Combo)	3C-060, 3C-090 3C-150

Air-Oil Systems, Inc. www.airoil.com

Oil Extractor

Oil Extractor Combo





Specifications

Port Sizes	1/2" (060); 3/4", 1" (090, 150)
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	316 Stainless Steel
Maximum Temp. & Pressure*	Auto Drain:125°F, 150 PSIG Man. Drain:150°F, 250 PSIG
Filter Capacity	0.01 Micron and Larger (Combo) 1.0 Micron and Larger (Oil Extractor) Activated Carbon Oil Absorption to 0.003 ppm
Differential Pressure	< 3.0 PSID at Rated Flow

Physical Dimensions

Model #	Description	A	B	C
4P-060-S04-P	Metal Bowl, Manual Drain	3.25	11.0	3.25
4P-060-S04-F	Metal Bowl, Float Drain	3.25	11.0	3.25
4P-060-S04-DCP	Metal Bowl, Manual Drain, Combo	7.0	11.0	3.25
4P-060-S04-DC	Metal Bowl, Float Drain, Combo	7.0	11.0	3.25
4P-090-S06-P	Metal Bowl, Manual Drain	3.75	15.5	3.75
4P-150-S08-F	Metal Bowl, Float Drain	3.75	15.5	3.75
4P-150-S06-DCP	Metal Bowl, Manual Drain, Combo	8.0	15.5	3.75
4P-090-S08-DC	Metal Bowl, Float Drain, Combo	8.0	15.5	3.75

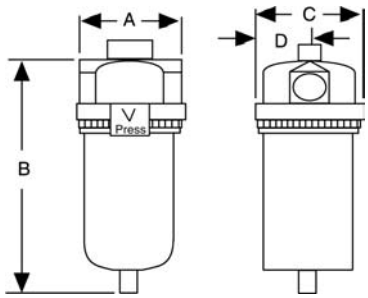
Order Guide

	60 SCFM Metal Bowl 1/2" Port	90 SCFM Metal Bowl 3/4" Port	150 SCFM Metal Bowl 1" Port
Manual Drain	4P-060-S04-P	4P-090-S06-P	4P-150-S08-P
Float Drain	4P-060-S04-F	4P-090-S06-F	4P-150-S08-F
Manual Drain	4P-060-S04-DCP	4P-090-S06-DCP	4P-150-S08-DCP
Float Drain	4P-060-S04-DC	4P-090-S06-DC	4P-150-S08-DC

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	N32-95-147
Bowl O-Ring (090, 150)	KSG-176
Plastic Float Drain	N32-95-973
Manual Drain	PC-03
1st Stage Element	4P-060, 4P-090 4P-150
2nd Stage Element (Combo)	3C-060, 3C-090 3C-150

Air Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	A	B	C
3C-060-S04-P	Metal Bowl, Manual Drain	3.25	11.0	3.25
3C-060-S04-F	Metal Bowl, Float Drain	3.25	11.0	3.25
3C-090-S06-P	Metal Bowl, Manual Drain	3.75	15.5	3.75
3C-150-S08-F	Metal Bowl, Float Drain	3.75	15.5	3.75

Specifications

Port Sizes	1/2" (060); 3/4", 1" (090, 150)
Thread Styles	NPT
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	316 Stainless Steel
Maximum Temp. & Pressure*	Auto Drain:125°F, 150 PSIG Man. Drain:150°F, 250 PSIG
Filter Capacity	0.01 Micron and Larger
Differential Pressure	< 3.0 PSID at Rated Flow

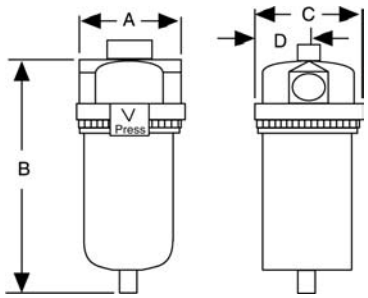
Order Guide

	60 SCFM Metal Bowl 1/2" Port	90 SCFM Metal Bowl 3/4" Port	150 SCFM Metal Bowl 1" Port
Manual Drain	3C-060-S04-P	3C-090-S06-P	3C-150-S08-P
Float Drain	3C-060-S04-F	3C-090-S06-F	3C-150-S08-F

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring (060)	N32-95-147
Bowl O-Ring (090, 150)	KSG-176
Plastic Float Drain	N32-95-973
Manual Drain	PC-03
Element	3C-060, 3C-090 3C-150

Air-Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	A	B	C
1P-060-M04-PHP	Metal Bowl, Manual Drain	3.125	10.25	3.125
1P-120-M06-PHP	Metal Bowl, Manual Drain	4.75	15.375	4.75
1P-175-M08-PHP	Metal Bowl. Manual Drain	4.75	15.375	4.75

Specifications

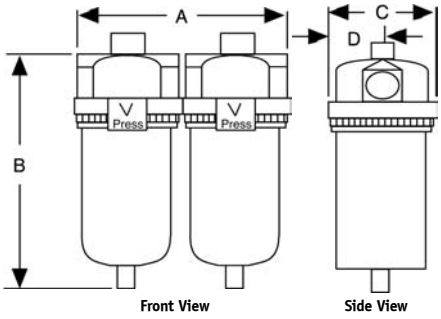
Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT
Flow Capacity	60, 120, 175 SCFM @ 100 PSI
Bowl Type	Metal High Pressure Aluminum Housing
Maximum Temp. & Pressure*	200°F 500 PSI
Filter Capacity	3.0 Micron and Larger

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	OR-143 (60) OR-235 (120, 175)
Replacement Element	1P-060 1P-120 1P-175

High Pressure
High Flow Separator

Air-Oil Systems, Inc. www.airoil.com



Physical Dimensions

Model #	Description	A	B	C
1P-060-M04-DCHP	Metal Bowl, Manual Drain	7.25	10.25	3.125
1P-090-M06-DCHP	Metal Bowl, Manual Drain	10.5	15.375	4.75
1P-150-M08-DCHP	Metal Bowl. Manual Drain	10.5	15.375	4.75

Specifications

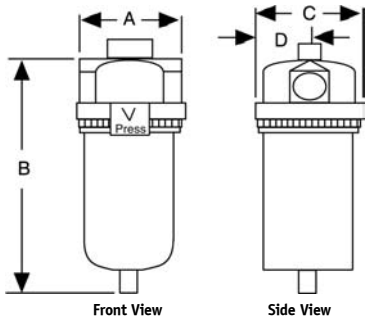
Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT
Flow Capacity	60, 90, 150 SCFM @ 100 PSI
Bowl Type	Metal High Pressure Aluminum Housing
Maximum Temp. & Pressure*	200°F 500 PSI
Filter Capacity	0.01 Micron and Larger

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	OR-143 (60) OR-235 (90, 150)
Replacement Element: 1st Stage	1P-060 1P-090 1P-150
Replacement Element: 2nd Stage	3C-060 3C-090 3C-150

Air-Oil Systems, Inc. www.airoil.com

High Pressure Separator/Coalescer



Physical Dimensions

Manual Drain Models:

Model #	Description	A	B	C
3P-060-M04-PHP	1/2" Port, Metal Bowl, Manual Drain	3.125	10.25	3.125
3P-090-M06-PHP	3/4" Port, Metal Bowl, Manual Drain	4.75	15.375	4.75
3P-150-M06-PHP	3/4" Port, Metal Bowl, Manual Drain	4.75	15.375	4.75
3P-150-M08-PHP	1" Port, Metal Bowl. Manual Drain	4.75	15.375	4.75

Auto Drain Models:

Model #	Description	A	B	C
3P-060-M04-FHP	1/2" Port, Metal Bowl, Float Drain	3.125	10.0	3.125
3P-090-M06-FHP	3/4" Port, Metal Bowl, Float Drain	4.75	15.375	4.75
3P-150-M06-FHP	3/4" Port, Metal Bowl, Float Drain	4.75	15.375	4.75
3P-150-M08-FHP	1" Port, Metal Bowl. Float Drain	4.75	15.375	4.75

Specifications

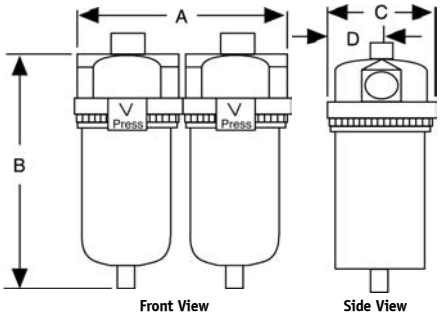
Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT
Flow Capacity	60, 120, 175 SCFM @ 100 PSI
Bowl Type	Metal High Pressure Aluminum Housing
Maximum Temp. & Pressure*	200°F 500 PSI Manual 250 PSI Float
Filter Capacity	1.0 Micron and Larger

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	OR-143 (60) OR-235 (090, 150)
Replacement Element	3P-060 3P-090 3P-150

High Pressure Filter/Dryer

Air-Oil Systems, Inc. www.airoil.com



Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT
Flow Capacity	60, 90, 150 SCFM @ 100 PSI
Bowl Type	Metal High Pressure Aluminum Housing
Maximum Temp. & Pressure*	200°F 500 PSI
Filter Capacity	0.01 Micron and Larger

Physical Dimensions

Manual Drain Models:

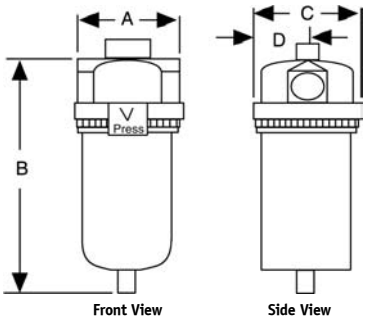
Model #	Description	A	B	C
3P-060-M04-DCHP	1/2" Port, Metal Bowl, Manual Drain	7.25	10.25	3.125
3P-090-M06-DCHP	3/4" Port, Metal Bowl, Manual Drain	10.5	15.375	4.75
3P-150-M06-DCHP	3/4" Port, Metal Bowl, Manual Drain	10.5	15.375	4.75
3P-150-M08-DCHP	1" Port, Metal Bowl, Manual Drain	10.5	15.375	4.75

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	OR-143 (60) OR-235 (90, 150)
Replacement Element: 1st Stage	3P-060 3P-090 3P-150
Replacement Element: 1st Stage	3C-060 3C-090 3C-150

Air-Oil Systems, Inc. www.airoil.com

High Pressure Filter Dryer/Coalescer



Physical Dimensions

Manual Drain Models:

Model #	Description	A	B	C
3C-060-M04-DCHP	1/2" Port, Metal Bowl, Manual Drain	7.25	10.25	3.125
3C-090-M06-DCHP	3/4" Port, Metal Bowl, Manual Drain	10.5	15.375	4.75
3C-150-M06-DCHP	3/4" Port, Metal Bowl, Manual Drain	10.5	15.375	4.75
3C-150-M08-DCHP	1" Port, Metal Bowl, Manual Drain	10.5	15.375	4.75

Specifications

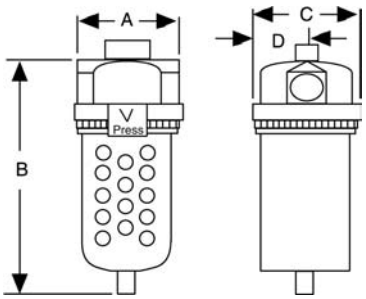
Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT
Flow Capacity	60, 90, 150 SCFM @ 100 PSI
Bowl Type	Metal High Pressure Aluminum Housing
Maximum Temp. & Pressure*	200°F 500 PSI
Filter Capacity	0.01 Micron and Larger

Replacement Parts & Accessories

Description	Part Number
Bowl O-Ring	OR-143 (60) OR-235 (90, 150)
Replacement Element:	3C-060 3C-090 3C-150

Air-Oil Systems, Inc. www.airoil.com

High Pressure Coalescer



Physical Dimensions

Manual Drain Models:

Model #	Description	A	B	C
3C-061-M04-F	Metal Bowl, Auto Drain	3.8	10.5	2.0
3C-061-M04-Fi	Metal Bowl, Auto Drain, w/ Ind.	3.8	11.5	2.0
3C-061-P04-F	Poly Bowl, Auto Drain	3.8	10.5	2.0
3C-061-P04-Fi	Poly Bowl, Auto Drain, w/ Ind.	3.8	11.5	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	Polycarbonate Aluminum
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Float Drain	1/4"	3C-061-M02-F	3C-061-M02-Fi	3C-061-P02-F	3C-061-P02-Fi
	3/8"	3C-061-M03-F	3C-061-M03-Fi	3C-061-P03-F	3C-061-P03-Fi
	1/2"	3C-061-M04-F	3C-061-M04-Fi	3C-061-P04-F	3C-061-P04-Fi

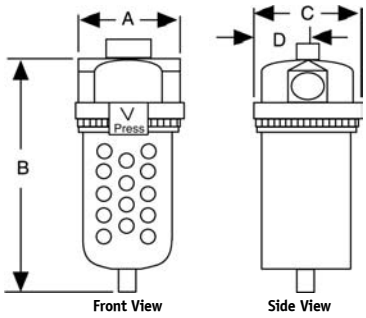
Replacement Parts & Accessories

Description	Part Number
Metal Bowl Assembly, Brass Float Drain	N34-15-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-183
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
Replacement Element	3C-061
Blanking Cap	N32-95-020
Bowl O-Ring	N32-95-257
Manual Drain (for Metal Bowl)	PC-03
Poly Bowl, Plastic Float Drain	N32-15-165
Poly Bowl, Brass Float Drain	N32-15-164

Air-Oil Systems, Inc. www.airoil.com

Grade 1 Coalescer



Physical Dimensions

Manual Drain Models:

Model #	Description	A	B	C
4P-061-M04-DC	Metal Bowl, Auto Drain	8.0	10.5	2.0
4P-061-M04-DCi	Metal Bowl, Auto Drain, w/ Ind.	8.0	11.5	2.0
4P-061-P04-DC	Poly Bowl, Auto Drain	8.0	10.5	2.0
4P-061-P04-DCi	Poly Bowl, Auto Drain, w/ Ind.	8.0	11.5	2.0

Specifications

Port Sizes	1/4", 3/8", 1/2"
Thread Styles	NPT, BSPT, BSPP
Flow Capacity	60 SCFM @ 100 PSI
Bowl Type	Polycarbonate Aluminum
Maximum Temp. & Pressure*	Aluminum 175°F, 200 PSIG Polycarb. 125°F, 150 PSIG
Filter Capacity	0.01 Micron and Larger

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Order Guide

	Port Size	Metal Bowl	Metal Bowl w/Indicator	Poly Bowl	Poly Bowl w/Indicator
Float Drain	1/4"	4P-061-M02-DC	4P-061-M02-DCi	4P-061-P02-DC	4P-061-P02-DCi
	3/8"	4P-061-M03-DC	4P-061-M03-DCi	4P-061-P03-DC	4P-061-P03-DCi
	1/2"	4P-061-M04-DC	4P-061-M04-DCi	4P-061-P04-DC	4P-061-P04-DCi

Replacement Parts & Accessories

Description	Part Number
Metal Bowl Assembly, Brass Float Drain	N34-15-200
Differential Indicator	N32-W1-DPi
Manual Drain (for Poly Bowl)	N32-95-183
Brass Float Drain	N32-95-978
Plastic Float Drain	N32-95-973

Description	Part Number
Replacement Element, 2nd Stage	3C-061
Replacement Element, 1st Stage	4P-061
Blanking Cap	N32-95-020
Bowl O-Ring	N32-95-257
Manual Drain (for Metal Bowl)	PC-03
Poly Bowl, Plastic Float Drain	N32-15-165
Poly Bowl, Brass Float Drain	N32-15-164

Oil Extractor/ Grade 1 Coalescer

Air-Oil Systems, Inc. www.airoil.com

Physical Dimensions

Manual Drain Models:

Model #	Description	A	B	C
OD-60DC	1/2" Port, Metal Bowl, Electronic Drain	12.0	15.0	6.0
OD-90DC	3/4" Port, Metal Bowl, Electronic Drain	20.0	24.0	8.0
OD-150DC	1" Port, Metal Bowl, Electronic Drain	20.0	24.0	8.0

Specifications

Port Sizes	1/2", 3/4", 1"
Thread Styles	NPT Female
Flow Capacity	60, 90, 150 SCFM @ 100 PSI
Bowl Type	Aluminum
Minimum Temp. Maximum Pressure*	-20°F 150 PSIG
Filter Capacity	0.01 Micron and Larger

**For higher pressure applications, consult factory. If unit is equipped with differential indicator, maximum temperature and pressure are 125°F and 150 PSIG regardless of bowl design.*

Benefits

1) Eliminizer Filter\Dryer and Coalescer Combo

2) Heated NEMA4 Enclosure

3) Electronic Solenoid Automatic Drain

4) Well Suited For Outdoor Sub-freezing Applications

Replacement Parts & Accessories

OD-060DC

Description	Part Number
Metal Bowl Assembly	N34-95-205
Electronic Drain	N32-XED-02
Bowl O-Ring	N32-95-257
1st Stage Element	3P-060
2nd Stage Element	3C-060

OD-90DC, OD-150DC

Description	Part Number
Metal Bowl Assembly	N34-95-205
Electronic Drain	N32-XED-02
Bowl O-Ring	N32-95-256
1st Stage Element	3P-090, 3P-150
2nd Stage Element	3C-090, 3C-150

Air-Oil Systems, Inc. www.airoil.com

Accessories

Brackets:

GPA-95-016

- For 20 SCFM model
- Wall Mounted

N32-95-734

- 1/4” through 1” units
- 1/4” x 1/2” slots on 1 1/2” centers

PB-004

- For 1/2" port models
- Supports units on pipe
- Units can still rotate

N32-95-969

- For 20 SCFM models
- Can be used to modularly connect a combo unit

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

3P-020-M02-Fi mounted with N32-95-969

Indicators:

N32-W1-DPi

•Differential pressure indicator used on most models 1/4” through 2” NPT

N32-95-020

•Blanking cap used to replace indicators

Air-Oil Systems, Inc. www.airoil.com