

Filter-Filter

Modular prefilter and oil removal filter combination units in port size from 1/4" to 3/4"

Excelon 72 Filter Combination Units 1/4" and 3/8" Port Sizes	ALE-20-2
Excelon 73 Filter Combination Units 1/4", 3/8", 1/2" Port Sizes	ALE-20-4
Excelon 74 Filter Combination Units 3/8", 1/2", 3/4" Port Sizes	ALE-20-6



**F72 Filter-Filter
Combination Unit**



**F73 Filter-Filter
Combination Unit**



**F74 Filter-Filter
Combination Unit**

- True modularity with Norgren Quikclamp™ connections
- F72G prefilter and F72C oil removal filter provide high efficiency oil removal and particle removal down to 0.01 µm
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens
- Service indicator turns from green to red when the filter element needs to be replaced



Ordering information. Models listed include PTF threads, service indicator, automatic drain, and long transparent bowl without guard on both filters.

Port Size	Model	Weight lb (kg)
1/4"	H72A-2AB-AL1-NNN-LNN	2 (0.91)
3/8"	H72A-3AB-AL1-NNN-LNN	2 (0.91)

Alternative Models

★ 7 2 A - ★ ★ ★ - ★ ★ ★ - N N N - ★ N ★

Shutoff/Lockout Valve, Quikmount	Substitute
Standard Combination (No Shutoff/Lockout Valve, no Quikmount)	H
With Shutoff/Lockout valve on inlet	J
With Quikmount pipe adapters on inlet and outlet	M
With Shutoff/Lockout Valve on inlet and Quikmount pipe adapter on outlet	N
Combination Unit Type	Substitute
F72G general purpose filter and F72C coalescing filter	A
Port Size	Substitute
1/4"	2
3/8"	3
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G
Mechanical Service Indicator	Substitute
Indicator on F72G and F72C	B
Indicator only on F72C	C
Indicator only on F72G	D
No indicator	N
F72G and F72C Drain	Substitute
Automatic**	A
Manual, 1/4 turn	Q
Semi automatic	S

Quikclamp Wall Brackets	Substitute
With	B
Without	N
Adsorbing Filter Bowl	Substitute
No Adsorbing filter	N
F72C Bowl	Substitute
Short metal with liquid level indicator	D
Long metal with liquid level indicator	E
Short transparent without guard	T
Long transparent without guard	L
Long transparent with guard	W
Regulator Option	Substitute
Non Applicable	N
Regulator Option	Substitute
Non Applicable	N
Regulator Option	Substitute
Non Applicable	N
F72G Filter Element	Substitute
5 µm	1
F72G Bowl	Substitute
Short metal with liquid level indicator	D
Long metal with liquid level indicator	E
Short transparent without guard	T
Long transparent without guard	L
Long transparent with guard	W

** Supplied in long bowl options only.

See Section ALE-25 for Accessories



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: Manual or semi automatic drain: 150 psig (10 bar)

Automatic drain: 116 psig (8 bar)

Metal bowl: Manual or semi automatic drain: 250 psig (17 bar)

Automatic drain: 116 psig (8 bar)

Operating temperature*: Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 150°F (-34 to 65°C)

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Particle removal: Down to 0.01 µm

Air quality: Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)

Maximum remaining oil content in outlet air: 0.01 ppm at 70°F (20°C) with an inlet concentration of 17 ppm

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Semi automatic drain connection: Push on 5/16" (8 mm) ID tube

Semi automatic drain operating conditions (pressure operated)

Bowl pressure required to close drain: Greater than 1.5 psig (0.1 bar)

Bowl pressure required to open drain: Less than 1.5 psig (0.1 bar)

Minimum air flow required to close drain: 1 scfm (0.5 dm³/s)

Manual operation: Lift stem to drain bowl

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Flexible tube with 3/16" (5 mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5 mm). Avoid restrictions in the tube.

Automatic drain operating conditions (float operated)

Bowl pressure required to close drain: Greater than 5 psig (0.3 bar)

Bowl pressure required to open drain: Less than 3 psig (0.2 bar)

Minimum air flow required to close drain: 0.2 scfm (0.1 dm³/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size

Short bowl: 1.9 fluid ounce (56 ml)

Long bowl: 2.2 fluid ounce (65 ml)

Materials

Body: Zinc

Bowl

Transparent: Polycarbonate

Transparent with guard: Polycarbonate, zinc guard

Metal: Zinc

Metal bowl liquid level indicator lens: Transparent nylon

F72G element: Sintered polypropylene

F72C element: Synthetic fiber and polyurethane foam

Elastomers: Neoprene and nitrile

Service indicator materials

Body: Transparent nylon

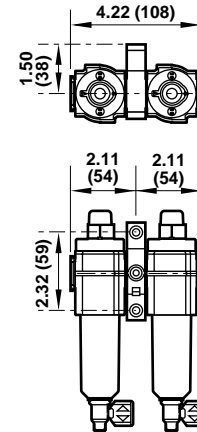
Internal parts: Acetal

Spring: Stainless steel

Elastomers: Nitrile

Standard Type H72A-

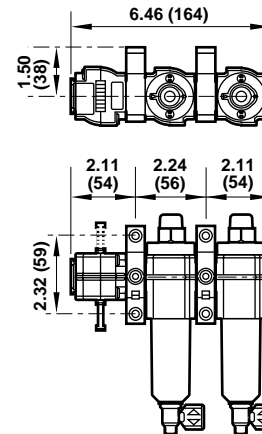
Shown with optional Quikclamp wall bracket.



Alternative Type J72A-

Includes Shutoff/Lockout valve.

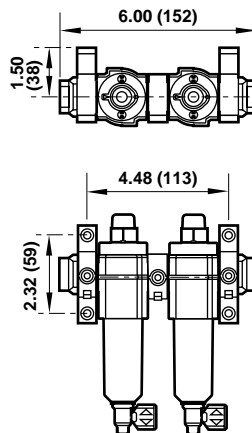
Shown with optional Quikclamp wall brackets.



Alternative Type M72A-

Includes Quikmount pipe adapters.

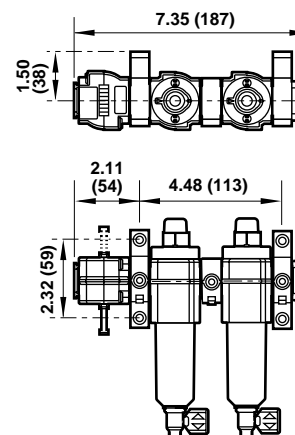
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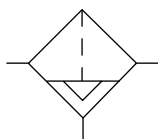
Alternative Type N72A-

Includes Shutoff/Lockout valve and Quikmount pipe adapter.

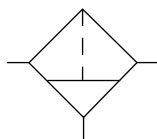
Shown with optional Quikclamp wall brackets.



ISO Symbols



Automatic and Semi Automatic Drain



Manual Drain

- True modularity with Norgren Quikclamp connections
- F73G prefilter and F73C oil removal filter provide high efficiency oil removal and particle removal down to 0.01 µm
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens
- Service indicator turns from green to red when the filter element needs to be replaced



Ordering information. Models listed include PTF parallel threads, service indicator, automatic drain, and metal bowl with liquid level indicator on both filters.

Port Size	Model	Weight lb (kg)
1/4"	H73A-2AB-AD1-NNN-DNN	2.7 (1.22)
3/8"	H73A-3AB-AD1-NNN-DNN	2.7 (1.22)
1/2"	H73A-4AB-AD1-NNN-DNN	2.7 (1.22)

Alternative Models

★ 7 3 A - ★ ★ ★ - ★ ★ ★ - N N N - ★ N ★

Lockout Valve/Quikmount	Substitute
Standard Combination (No Lockout Valve, no Quikmount)	H
With Lockout valve on inlet	J
With Quikmount pipe adapters on inlet and outlet	M
With Lockout Valve on inlet and Quikmount pipe adapter on outlet	N
Combination Unit Type	Substitute
F73G general purpose filter and F73C coalescing filter	A
Port Size	Substitute
1/4"	2
3/8"	3
1/2"	4
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G
Mechanical Service Indicator	Substitute
Indicator on F73G and F73C	B
Indicator only on F73C	C
Indicator only on F73G	D
No indicator	N

Quikclamp Wall Brackets	Substitute
With	B
Without	N
Adsorbing Filter Bowl	Substitute
No Adsorbing filter	N
F73C Bowl	Substitute
Metal with liquid level indicator	D
Transparent with guard	P
Transparent	T
Regulator Option	Substitute
Non Applicable	N
Regulator Option	Substitute
Non Applicable	N
Regulator Option	Substitute
Non Applicable	N
F73G Filter Element	Substitute
5 µm	1
F73G Bowl	Substitute
Metal with liquid level indicator	D
Transparent with guard	P
Transparent	T
F73G and F73C Drain	Substitute
Automatic	A
Manual, 1/4 turn	Q



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature*:

Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 150°F (-34° to 65°C)

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Particle removal: Down to 0.01 µm

Air quality: Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)

Maximum remaining oil content in outlet air: 0.01 ppm at 70°F (20°C) with an inlet concentration of 17 ppm

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Flexible tube with 3/16" (5 mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5 mm). Avoid restrictions in the tube.

Automatic drain operating conditions (float operated):

Bowl pressure required to close drain: Greater than 5 psig (0.3 bar)

Bowl pressure required to open drain: Less than 3 psig (0.2 bar)

Minimum air flow required to close drain: 0.2 scfm (0.1 dm³/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size: 3.5 fluid ounce (0.1 liter)

Materials

Body: Aluminum

Bowl

Transparent: Polycarbonate

Transparent with guard: Polycarbonate, steel guard

Metal: Aluminum

Metal bowl liquid level indicator lens: Transparent nylon

F73G element: Sintered polypropylene

F73C element: Synthetic fiber and polyurethane foam

Elastomers: Neoprene and nitrile

Service indicator materials

Body: Transparent nylon

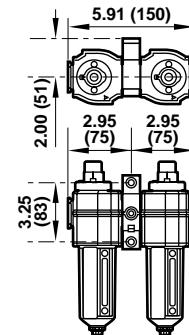
Internal parts: Acetal

Spring: Stainless steel

Elastomers: Nitrile

Standard Type H73A-

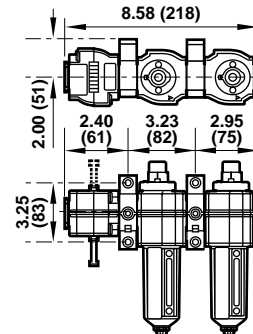
Shown with optional Quikclamp wall bracket.



Alternative Type J73A-

Includes Lockout Valve

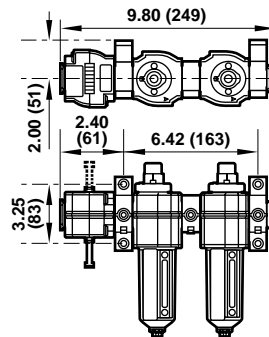
Shown with optional Quikclamp wall brackets.



Alternative Type N73A-

Includes Lockout Valve and Quikmount Pipe Adapters

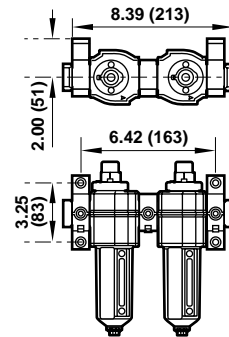
Shown with optional Quikclamp wall brackets.



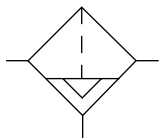
Alternative Type M73A-

Includes Quikmount Pipe Adapters

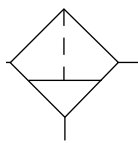
Shown with optional Quikclamp wall brackets.



ISO Symbols



Automatic Drain



Manual Drain

See Section ALE-25 for Accessories

- **True modularity with Norgren Quikclamp™ connections**
- **F74G prefilter and F74C oil removal filter provide high efficiency oil removal and particle removal down to 0.01 µm**
- **F74V oil vapor removal filter uses an adsorbing type activated carbon element to remove oil vapors and most hydrocarbon odors**
- **Quick release bayonet bowl**
- **Highly visible, prismatic liquid level indicator lens**
- **Service indicator turns from green to red when the filter element needs to be replaced**



Technical Data

Fluid: Compressed air

Maximum pressure

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

F74G and F74C/H operating temperature*:

Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -30° to 150°F (-34° to 65°C)

F74V temperature range*: -30° to 150°F (-34° to 65°C).

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Particle removal: Down to 0.01 µm

Air quality:

F74G, F74C/H: Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)

F74G, F74C, F74V: Within ISO 8573-1, Class 1 (particulates) and Class 1 (oil content)

Maximum remaining oil content in outlet air with an inlet concentration of 17 ppm

F74G, F74C/H: 0.01 ppm at 70°F (20°C)

F74G, F74H, F74V: 0.003 ppm at 70°F (20°C)

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread

Automatic drain operating conditions (float operated)

Bowl pressure required to close drain: Greater than 5 psig (0.3 bar)

Bowl pressure required to open drain: Less than 3 psig (0.2 bar)

Minimum air flow required to close drain: 2 scfm (1 dm³/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size: 7 fluid ounce (0.2 liter)

Materials

Body: Aluminum

Bowl

Transparent: Polycarbonate with steel bowl guard

Metal: Aluminum

Metal bowl liquid level indicator lens: Transparent nylon

F74G element: Sintered polypropylene

F74C/H element: Synthetic fiber and polyurethane foam

F74V element: Activated carbon and aluminum

Elastomers: Neoprene and nitrile

Service indicator materials:

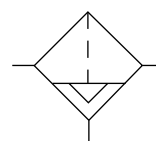
Body: Transparent nylon

Internal parts: Acetal

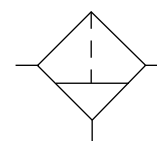
Spring: Stainless steel

Elastomers: Nitrile

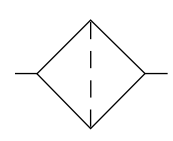
ISO Symbols



Automatic Drain



Manual Drain



Closed Bottom

See Section ALE-25 for Accessories



Ordering information. Models listed include PTF parallel threads, service indicator on the general purpose and coalescing filters, automatic drain and metal bowl with liquid level indicator on the general purpose and coalescing filters.

Combination Unit	Type	Port Size	Model	Weight lb (kg)
General Purpose and Coalescing Filters	Standard	3/8"	H74A-3AB-AD1-NNN-DNN	4.15 (1.88)
	Standard	1/2"	H74A-4AB-AD1-NNN-DNN	4.06 (1.84)
	High Flow	1/2"	H74B-4AB-AD1-NNN-DNN	4.67 (2.12)
	High Flow	3/4"	H74B-6AB-AD1-NNN-DNN	4.61 (2.09)
General Purpose, Coalescing, and Adsorbing Filters	Standard	3/8"	H74F-3AB-AD1-NNN-DMN	7.12 (3.23)
	Standard	1/2"	H74F-4AB-AD1-NNN-DMN	7.01 (3.18)

Alternative Models

★ 7 4 ★ - ★ ★ ★ - ★ ★ ★ - N N N - ★ ★ ★

Lockout Valve/ Quikmount	Substitute		Quikclamp Wall Brackets	Substitute
Standard combination (no lockout valve or Quikmount)	H		With	B
With lockout valve on inlet	J		Without	N
With Quikmount pipe adapters on inlet and outlet	M		Adsorbing Filter Bowl	Substitute
With lockout valve on inlet and Quikmount pipe adapter on outlet	N		Metal, closed bottom	M
			No adsorbing filter	N
			Coalescing Filter Bowl	Substitute
			Metal with liquid level indicator	D
			Transparent with metal guard	P
			Regulator Option	Substitute
			Non applicable	N
			Regulator Option	Substitute
			Non applicable	N
			Regulator Option	Substitute
			Non applicable	N
			General Purpose Filter Element	Substitute
			5 µm	1
			General Purpose Filter Bowl	Substitute
			Metal with liquid level indicator	D
			Transparent with guard	P
			General Purpose Filter and Coalescing Filter Drain	Substitute
			Automatic	A
			Manual, 1/4 turn	Q
Combination Unit Type	Substitute			
General purpose filter and standard coalescing filter	A			
General purpose filter and high flow coalescing filter	B			
General purpose filter, standard coalescing filter, and adsorbing filter	F			
Port Size	Substitute			
3/8"	3			
1/2"	4			
3/4"	6			
Threads	Substitute			
PTF	A			
ISO Rc taper	B			
ISO G parallel	G			
Service Indicator	Substitute			
On general purpose and coalescing filters	B			
Only on coalescing filter	C			
Only on general purpose filter	D			
No service Indicator	N			

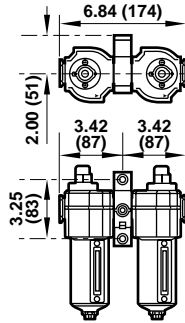


F74G, F74C/H, F74V Filter-Filter

All Dimensions in Inches (mm)

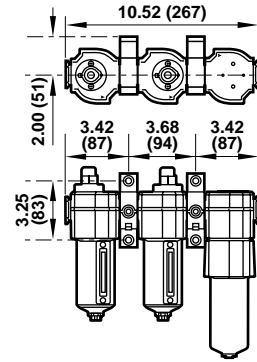
Standard Type H74A Shown (H74B Similar)

Shown with optional Quikclamp wall bracket.



Standard Type H74F

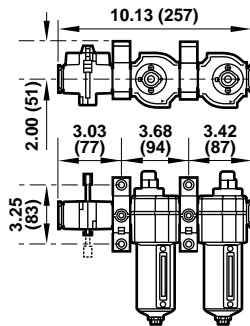
Shown with optional Quikclamp wall bracket.



Standard Type J74A Shown (J74B Similar)

Includes Shutoff/Lockout valve

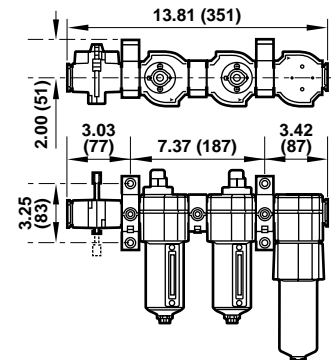
Shown with optional Quikclamp wall brackets.



Alternative Type J74F-

Includes Shutoff/Lockout valve

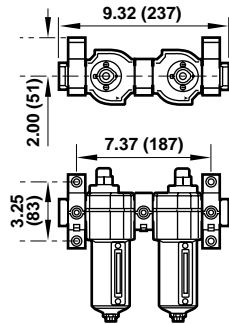
Shown with optional Quikclamp wall brackets.



Standard Type M74A Shown (M74B Similar)

Includes Quikmount pipe adapters.

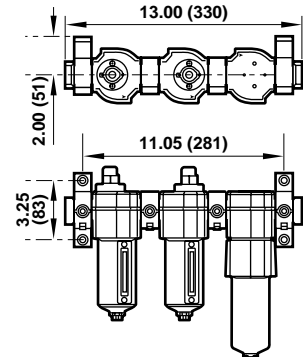
Shown with optional Quikclamp wall bracket.



Alternative Type M74F-

Includes Quikmount pipe adapters.

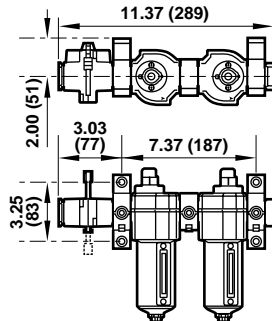
Shown with optional Quikclamp wall brackets.



Standard Type N74A Shown (N74B Similar)

Includes Shutoff/Lockout valve and Quikmount pipe adapter.

Shown with optional Quikclamp wall brackets.



Alternative Type N74F-

Includes Shutoff/Lockout valve and Quikmount pipe adapter.

Shown with optional Quikclamp wall brackets.

