

- **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 vapours and most hydrocarbon odours**
- **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: 10 bar (150 psig)

Metal bowl: 17 bar (250 psig)

F74G and F74C/H operating temperature*:

Transparent bowl: -20° to +50°C (0° to +125°F)

Metal bowl: -20° to +65°C (0° to +150°F)

F74V temperature range*: -20° to +65°C (0° to +150°F).

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

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 +20°C (70°F)

F74G, F74H, F74V: 0,003 ppm at +20°C (70°F)

Maximum flow at 6,3 bar (90 psig) inlet pressure to maintain stated oil removal performance:

F74G, F74C: 16 dm³/s (33.9 scfm)

F74G, F74H: 28 dm³/s (59.3 scfm)

F74G, F74C, F74V: 13 dm³/s (27.0 scfm)

Manual drain connection: 1/8"

Automatic drain connection: 1/8"

Automatic drain operating conditions (float operated):

Bowl pressure required to close drain: Greater than 0,3 bar (5 psig)

Bowl pressure required to open drain: Less than 0,2 bar (3 psig)

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

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size: 0,2 litre (7 fluid ounce)



Materials:

Body: Aluminum

Bowl:

Transparent: Polycarbonate with steel bowl guard

Metal: Aluminum

Metal bowl liquid level indicator lens:

Transparent nylon

F74G element: Sintered plastic

F74C/H element: Synthetic fibre 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

Ordering Information

See *Ordering Information* on the following pages.

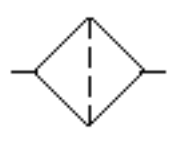
ISO Symbols



Automatic Drain



Manual Drain



Closed Bottom



EXCELON 74 Filter Combination Units

Ordering information. Models listed include ISO G 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	Flow* dm ³ /s (scfm)	Weight kg (lb)
General Purpose and Coalescing Filters	Standard	G3/8	H74A-3GB-AD1-NNN-DNN	16 (33.9)	1,88 (4.15)
	Standard	G1/2	H74A-4GB-AD1-NNN-DNN	16 (33.9)	1,84 (4.06)
	High Flow	G1/2	H74B-4GB-AD1-NNN-DNN	28 (59.3)	2,12 (4.67)
	High Flow	G3/4	H74B-6GB-AD1-NNN-DNN	28 (59.3)	2,09 (4.61)
General Purpose, Coalescing, and Adsorbing Filters	Standard	G3/8	H74F-3GB-AD1-NNN-DMN	13 (27.0)	3,23 (7.12)
	Standard	G1/2	H74F-4GB-AD1-NNN-DMN	13 (27.0)	3,18 (7.01)

* Maximum flow with 6,3 bar (90 psig) inlet pressure to maintain stated oil removal performance.

Alternative Models

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Lockout Valve/ Quikmount	Substitute
Standard combination (no lockout valve or 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
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

Quikclamp Wall Brackets	Substitute
With	B
Without	N

Adsorbing Filter Bowl	Substitute
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

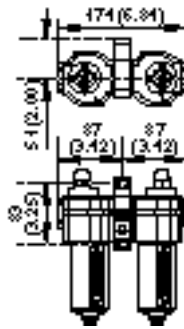
Accessories. See page N/AL.8.200.700.01.



Dimensions mm (inches). See pages N/AL.8.200.100, N/AL.8.200.105, N/AL.8.200.110, N/AL.8.2000.600, and N/AL.8.200.700 for dimensions of individual products and the Quikclamp wall bracket.

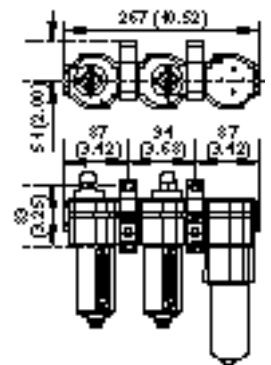
Standard Type H74A Shown (H74B Similar)

Shown with optional Quikclamp wall bracket.



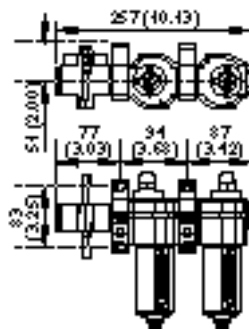
Standard Type H74F

Shown with optional Quikclamp wall bracket.



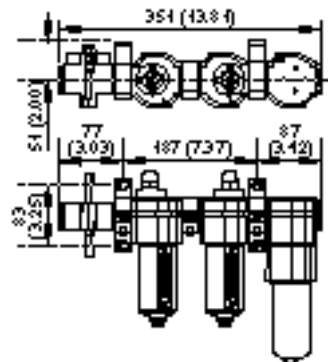
Standard Type J74A Shown (J74B Similar) Includes Shutoff/Lockout valve

Shown with optional Quikclamp wall brackets.



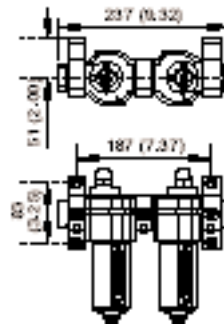
Alternative Type J74F- Includes Shutoff/Lockout valve

Shown with optional Quikclamp wall brackets.



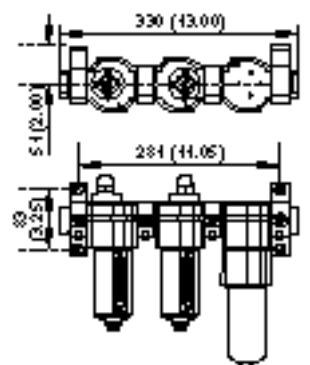
Standard Type M74A Shown (M74B Similar) Includes Quikmount pipe adapters.

Shown with optional Quikclamp wall bracket.



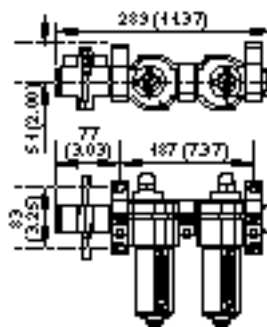
Alternative Type M74F- Includes Quikmount pipe adapters.

Shown with optional Quikclamp wall brackets.



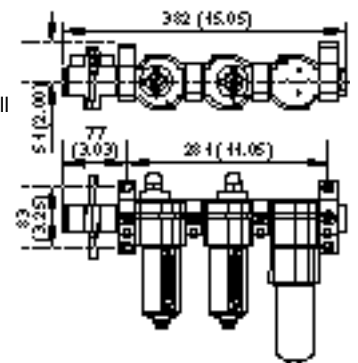
Standard Type N74A Shown (N74B Similar) Includes Shutoff/Lockout valve and Quikmount pipe adapter.

Shown with optional Quikclamp wall brackets.



Alternative Type N74F- Includes Shutoff/Lockout valve and Quikmount pipe adapter.

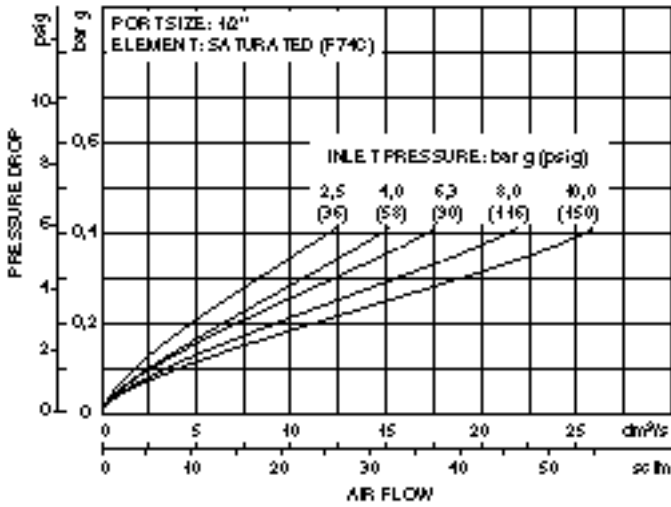
Shown with optional Quikclamp wall brackets.



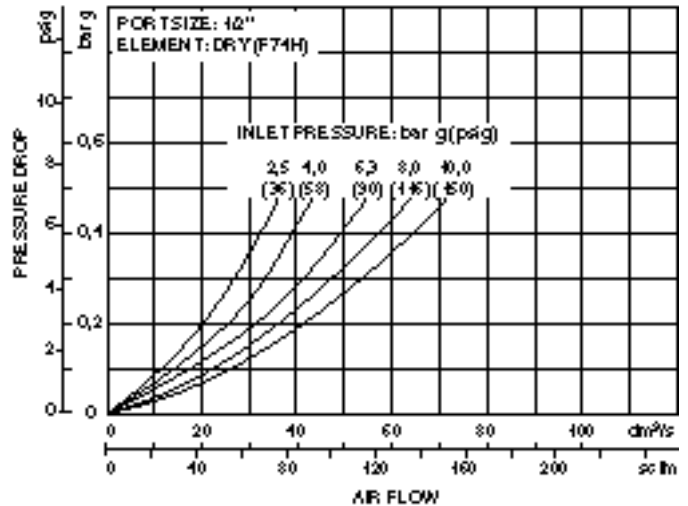
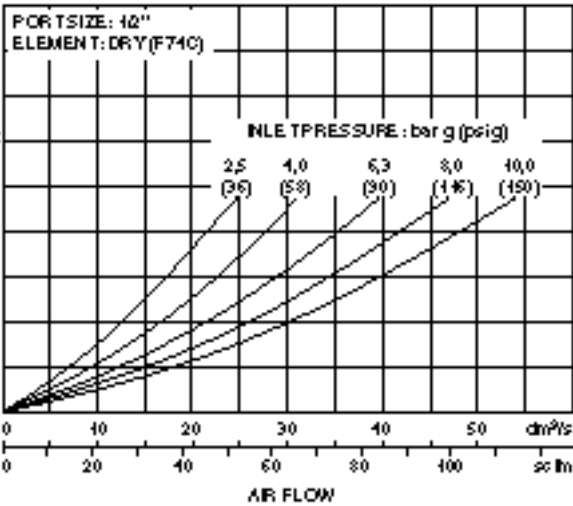
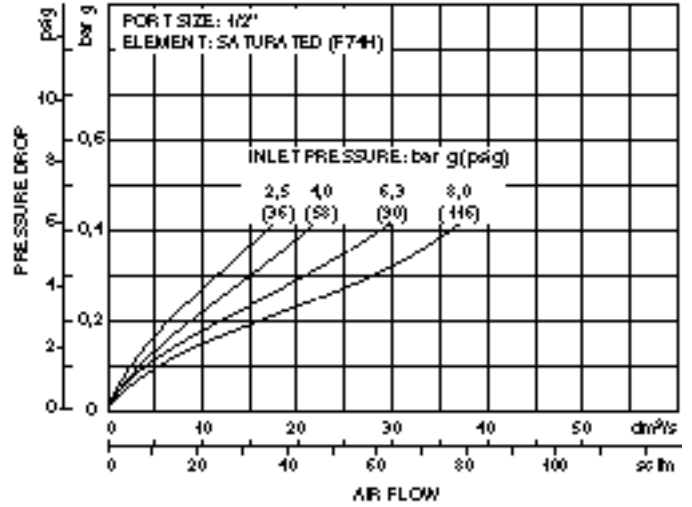


Typical Performance Characteristics

F74G AND F74C FLOW CHARACTERISTICS



F74G AND F74H FLOW CHARACTERISTICS



Inlet Pressure bar (psig)		Maximum Flow† dm³/s (scfm)			
		F74G-F74C		F74G-F74H	
1	(15)	6,4	(13.6)	11,2	(23.7)
3	(45)	11,0	(23.3)	19,3	(40.9)
5	(75)	14,3	(30.3)	24,9	(52.8)
6,3	(90)	16,0	(33.9)	28,0	(59.3)
7	(105)	16,9	(35.8)	29,5	(62.5)
9	(135)	19,1	(40.5)	33,5	(71.0)

† Maximum flow to maintain stated oil removal performance.

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Norgren.

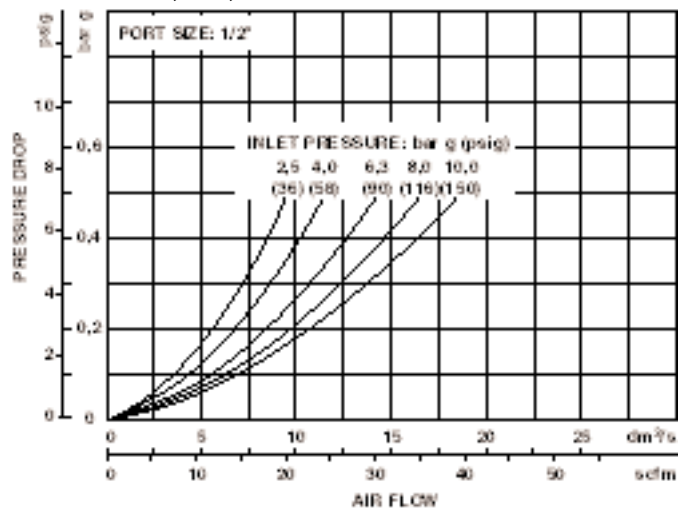
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Water vapor will pass through these units and will condense into liquid if air temperature drops in the downstream system. Install an air dryer if water condensation could have a detrimental effect on the application.

F74G, F74H, AND F74V FLOW CHARACTERISTICS



Inlet Pressure		F74G-F74C-F74V Maximum Flow†	
bar	(psig)	dm³/s	(scfm)
2,5	(36)	8,7	(19)
4	(58)	10,7	(23)
6,3	(90)	13,3	(28)
8	(116)	15,6	(33)
10	(150)	17,6	(38)