EXCELON® 73
Filter-Regulator-Lubricator Combination Units
1/4″, 3/8″, 1/2″ Port Sizes

- **True modularity with Norgren Quikclamp™ connections**
- **Quick release bayonet bowl**
- **Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows**
- **All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment**
- **Regulator balanced valve minimizes effect of variation in the inlet pressure on the outlet pressure**

Use Micro-Fog models in applications containing one or more points of lubrication.
Use Oil-Fog models to lubricate a single tool, cylinder, or other air driven device.

Technical Data

Fluid: Compressed air
Maximum pressure:
  Transparent bowl: 10 bar (150 psig)
  Metal bowl: 17 bar (250 psig)
Operating temperature*:
  Transparent bowl: -20° to +50°C (0° to +125°F)
  Metal bowl: -20° to +80°C (0° to +175°F)

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

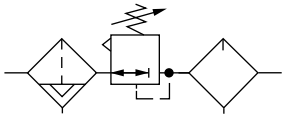
Particle removal: 5 µm, 25 µm, or 40 µm filter element
Typical flow with 10 bar (150 psig) inlet pressure, 6,3 (90 psig) set pressure and 1 bar (15 psig) droop from set: **??? dm³/s (??? scfm) Waiting on lab test**
Manual drain connection: 1/8″
Automatic drain connection: 1/8″
Automatic drain operating 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: 0,1 dm³/s (0.2 scfm)
  Manual operation: Depress pin inside drain outlet to drain bowl
Nominal bowl size: 0,1 litre (3.5 fluid ounce)
Gauge ports:
  1⁄4 PTF with PTF main ports
  ISO Rc1/4 with ISO Rc main ports
  ISO Rc1/8 with ISO G main ports
Recommended lubricants: See page N/UK.**8.900**.935

Materials:
  Body: Aluminum
  Bonnet: Aluminum
  Regulator valve: Brass
  Regulator bottom plug: Acetal
  Bowl:
    Transparent: Polycarbonate
    Transparent with guard: Polycarbonate, steel guard
    Metal: Aluminum
    Metal bowl liquid level indicator lens: Transparent nylon
  Sight-Feed dome: Transparent nylon
  Element: Sintered plastic
  Elastomers: Neoprene and nitrile

Ordering Information

See *Ordering Information* on the following pages.

ISO Symbols



Relieving regulator , automatic drain on filter, manual drain on lubricator

For your local Norgren Technical Sales Centre phone 0345 662266. For your local Norgren Distributor phone 0345 227777.
IMI Norgren Limited, PO Box 22, Eastern Avenue, Lichfield, Staffordshire WS13 6SB

Ordering information

Models listed in order table have ISO G parallel threads. Filter (F) has automatic drain, metal bowl with liquid level indicator, and a 40 µm element. Regulator (R) has knob adjustment, relieving diaphragm, and 10 bar (150 psig) regulating spring. A gauge is not included. Lubricator (L) is a Micro-Fog model with 1/4 turn manual drain and metal bowl with liquid level indicator.

Combination Unit Type	Port Size	Model	Flow* dm^3/s (scfm)	Weight kg (lb)
Filter-Regulator-Lubricator (F-R-L)	G1/4	C73A-2GK-AD3-RMN-QDN	**?? (??) waiting on test**	1,86 (4.1)
	G3/8	C73A-3GK-AD3-RMN-QDN	**?? (??) waiting on test**	1,86 (4.1)
	G1/2	C73A-4GK-AD3-RMN-QDN	**?? (??) waiting on test**	1,86 (4.1)

* Typical flow with 10 bar (150 psig) inlet pressure, 6,3 bar (90 psig) set pressure and 1 bar (15 psig) droop from set.

Alternative Models

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Lockout Valve/ Quikmount	Substitute
Standard Combination (No Lockout Valve, no Quikmount)	C
With Lockout valve on inlet	D
With Quikmount pipe adapters on inlet and outlet	E
With Lockout valve on inlet and Quikmount pipe adapter on outlet	G

Combination Unit Type	Substitute
Micro-Fog F-R-L	A
Oil-Fog F-R-L	B

Port Size	Substitute
1/4″	2
3/8″	3
1/2″	4

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Pressure Adjustment	Substitute
Knob	K
T-bar	T

Filter Drain	Substitute
Automatic	A
Manual, 1⁄4 turn	Q

Filter Bowl	Substitute
Metal with liquid level indicator	D
Transparent with steel guard	P
Transparent	T

Accessories	Substitute
Accessories ***B*** and ***D***	A
Quikclamp wall brackets	B
Accessories ***B*** and ***Q***	C
Filter service indicator	D
Accessories ***B***, ***D,*** and ***Q***	H
No accessories	N
Lubricator quick fill nipple	Q

Lubricator Bowl	Substitute
Metal with liquid level indicator	D
Transparent with guard	P
Transparent	T

Lubricator Drain	Substitute
Closed bottom	E
Manual, 1⁄4 turn	Q

Regulator Gauge	Substitute
With gauge	G
No gauge	N

Regulation spring *	Substitute
0,3 to 4 bar (5 to 60 psig)	F
0,3 to 10 bar (5 to 150 psig)	M
0,7 to 17 bar (10 to 250 psig)**	S

Regulator Diaphragm	Substitute
Non-relieving	N
Relieving	R

Filter Element	Substitute
5 µm	1
25 µm	2
40 µm	3

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

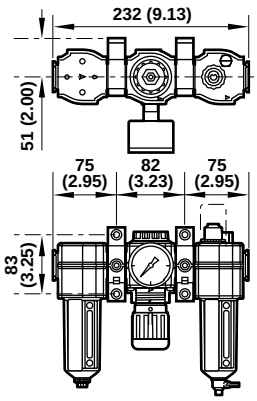
** Units with 17 bar (250 psig) outlet pressure range are available only with the standard metal bowl.

Accessories. **See page N/UK.8.180.700.**

Dimensions mm (inches). See pages N/UK.8.180.100, N/UK.8.180.200, N/UK.8.180.400, N/UK.8.180.600, and

Standard Micro-Fog Type C73A-
Standard Oil-Fog Type C73B-

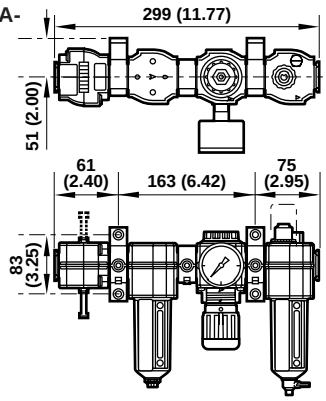
Shown with optional gauge and Quikclamp wall bracket.



Alternative Micro-Fog Type D73A-
Alternative Oil-Fog Type D73B-

Includes lockout valve.

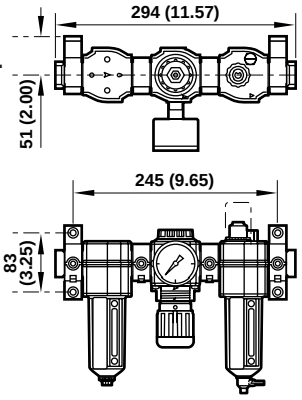
Shown with optional gauge and Quikclamp wall bracket.



Alternative Micro-Fog Type E73A-
Alternative Oil-Fog Type E73B-

Includes Quikmount pipe adapters.

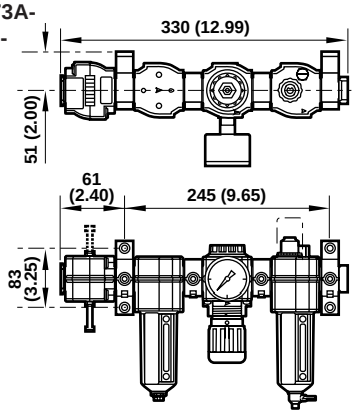
Shown with optional gauge and Quikclamp wall bracket.



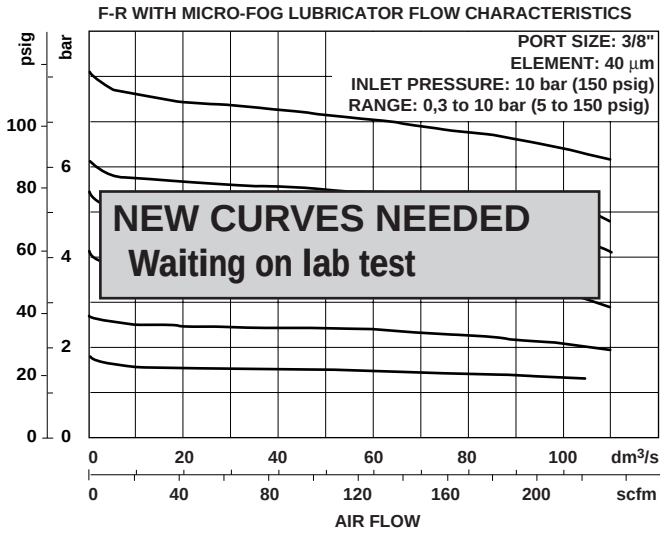
Alternative Micro-Fog Type G73A-
Alternative Oil-Fog Type G73B-

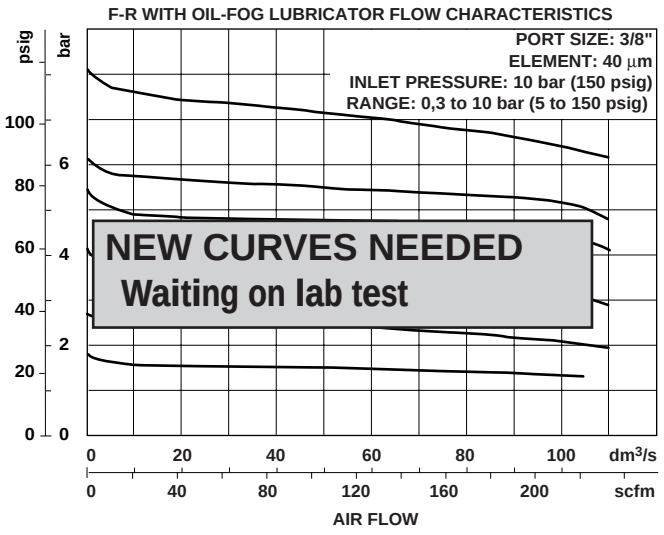
Includes lockout valve and Quikmount pipe adapter.

Shown with optional gauge and Quikclamp wall bracket.



Typical Performance Characteristics





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.

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