

Excelon® Quikclamp system LB74G Filter regulator 3/8" ... 3/4"

Excelon design allows in-line installation or modular installation with other Excelon products

High efficiency water and particle removal

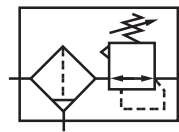
Quick release bayonet bowl

Push to lock adjusting knob with tamper resistant accessory

Prismatic liquid level indicator lens

Wide temperature range

Shock and vibration tested to EN 61373, Category 1, class A and B



Technical features

Medium:

Compressed air only

Pressure range:

0,3 ... 10 bar (5 ... 145 psi)

Other pressure ranges are available contact Norgren

Maximum inlet pressure:

17 bar (250 psi)

Filter element:

5 or 40 µm; 25 µm optional

Gauge ports:

Rc 1/8 for ISO G main ports,
1/4 PTF for PTF main ports

Drain:

Manual

Relieving:

Standard

Ambient temperature:

-40 ... +80°C (-40 ... +175°F)

Air supply must be dry enough to avoid ice formation at

temperatures below +2°C (+35°F).

Materials:

Body, bonnet and bowl:

aluminium

Valve: brass and nitrile

Liquid level indicator lens:

transparent nylon

Element: sintered polypropylene

Elastomers: nitrile

Technical data

Air port	Flow* dm ³ /s	scfm	Weight		Model with G-thread		Model with PTF-thread	
			kg	lb	40 µm	5 µm	40 µm	5 µm
3/8"	77	163	1,31	2,88	LB74G-3GK-MD3-RMN	LB74G-3GK-MD1-RMN	LB74G-3AK-MD3-RMN	LB74G-3AK-MD1-RMN
1/2"	100	212	1,31	2,88	LB74G-4GK-MD3-RMN	LB74G-4GK-MD1-RMN	LB74G-4AK-MD3-RMN	LB74G-4AK-MD1-RMN
3/4"	100	212	1,31	2,88	LB74G-6GK-MD3-RMN	LB74G-6GK-MD1-RMN	LB74G-6AK-MD3-RMN	LB74G-6AK-MD1-RMN

* Typical flow at 10 bar (145 psi) inlet pressure, 6,3 bar (90 psi) set pressure and 0,5 bar (7 psi) droop from set.

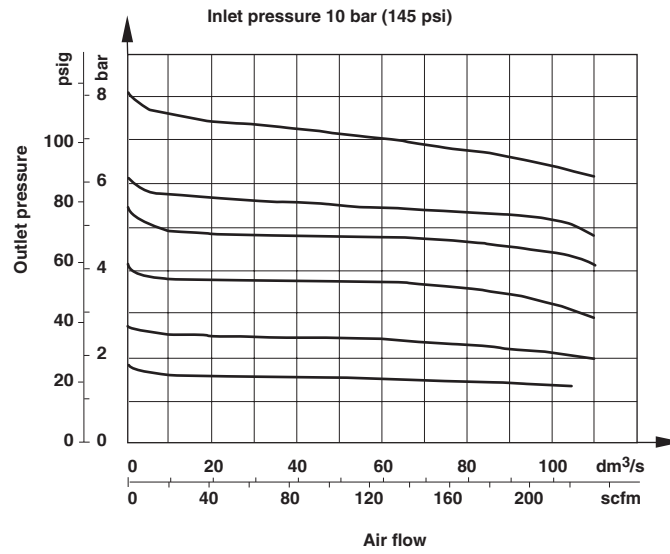
Option selector

Port size		Substitute	Filter element		Substitute
3/8"		3	5 µm		1
1/2"		4	25 µm (optional)		2
3/4"		6	40 µm		3
Threads form		Substitute	Adjustment		Substitute
PTF		A	Knob (standard)		K
ISO G parallel		G	T-handle (10 bar, 145 psi)		T

LB74G-***-MD*-RMN

Flow characteristics









**LB74G – Port size 1/2", pressure range 0,3 ... 10 bar
(5 ... 145 psi), 40 µm element**





Accessories



74 series



Series	Quikclamp with wall bracket*	Quikclamp*	Tamper resistant cover & seal wire	Wall bracket and panel mounting nut	Panel nut (zinc)	Service kit	Service kit	Replacement elements
								
	1		3	4 5	4			5 µm 40 µm
74	4314-63	4314-62	4355-51	4368-51	4348-89	4381-708	4380-701	4438-04 4438-05

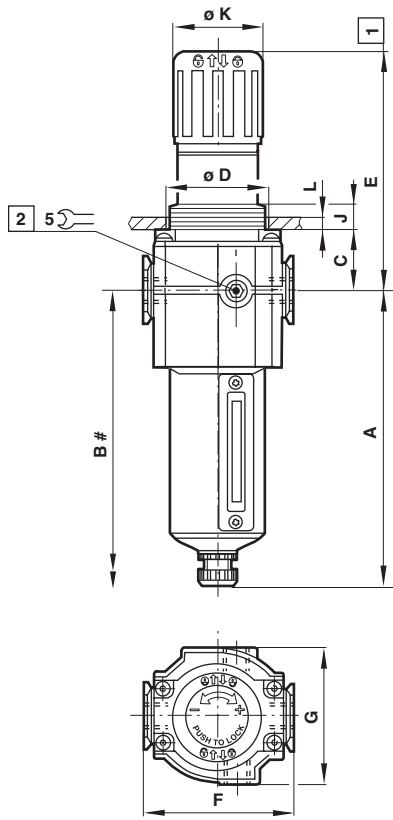
* Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.

Series	Port size	Quikmount pipe adaptor parallel thread	Quikmount pipe adaptor
			
		2	2
74	1/4"	4315-09	4315-01
74	3/8"	4315-10	4315-02
74	1/2"	4315-11	4315-03
74	3/4"	4315-12	4315-04

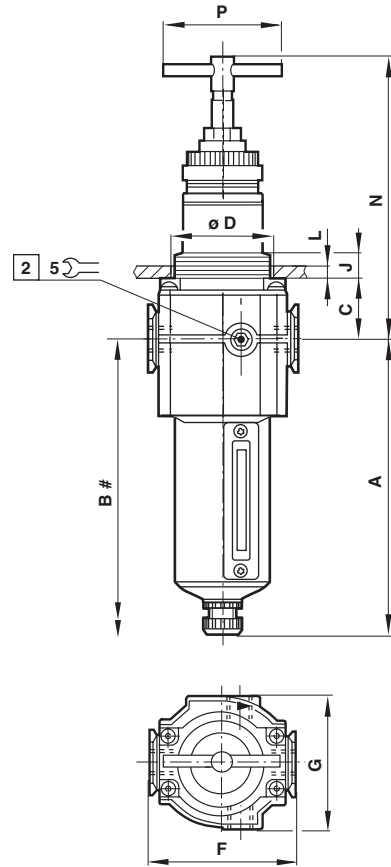
Series	Port size	Pressure range in bar	Pressure range in psi	Diameter	Model
					
		6	6		
Gauge (for full technical specification see page 4-61)					
74 (ISO G main port)	Rc 1/8	0 ... 10		50 mm	18-013-013
74 (PTF main port)	1/4 PTF		0 ... 160	2"	18-013-209

Basic dimensions

Standard



T-handle



Dimensions shown in mm

Projection/First angle



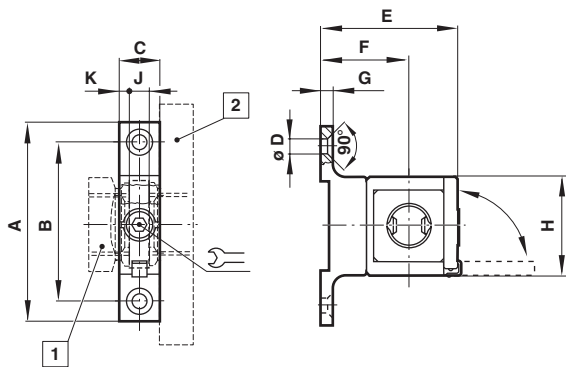
Series	A	B	C	D	E	F	G	J	K	L	N	P
74	170	221	31	52	127	80	74	19	47	2...6	151	63

Minimum clearance required to remove bowl

1 Reduces by 4 mm with knob in locked position

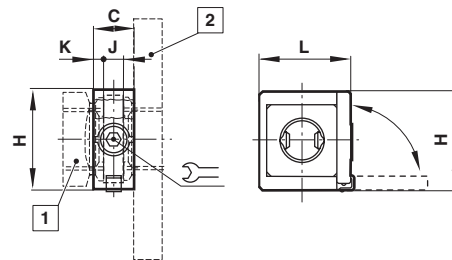
2 Gauge port

Quikclamp® with wall bracket



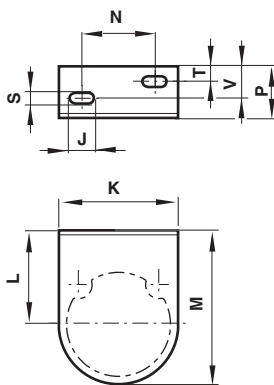
Series	A	B	C	ØD	E	F	G	H	J	K	
74	102	83	24,5	6,5	74	51	6,5	51	13,5	5,5	4

Quikclamp®



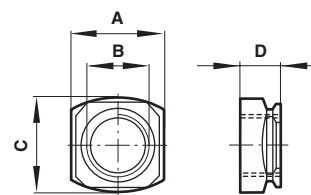
Series	C	H	J	K	L	
74	24,5	51	13,5	5,5	46	4

Neck mounting bracket



Series	J	K	L	M	N	P	R	S	T	V
74	24	89	52	86	56	35	23	7	12	12

Quikmount pipe adaptor



Series	A	B	C	D
74	38,5	1/4, 3/8, 1/2, 3/4	38,5	18

Warning

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