NORGREN RAILINE

Olympian Plus plug-in system LB64G
Filter/regulator
1/4" ... 3/4"

High efficiency water removal

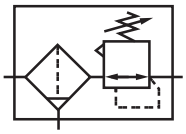
Diaphragm and balanced valve design ensure good regulation characteristics

Non-rising adjusting knob has snap-action lock

Standard options include non-relieving models, manual drain and alternative pressure ranges

Wide temperature range

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



Technical features

Medium:
Compressed air
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 with ISO G main ports, 1/8 PTF with PTF main ports
Drain:
Manual (standard)
Bowl size:
0,2 litre

Ambient temperature:
-40 ... +80°C (-40 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body and yoke: zinc alloy
Bowl: aluminium
Prismatic liquid level indicator: Grilamid
Filter element: sintered plastic
Adjusting knob: Acetal resin
Elastomers: synthetic rubber

Technical data

Air port	Flow*		Weight		Model with G-thread		Model with PTF-thread	
	dm^3/s	scfm	kg	lb	40 µm	5 µm	40 µm	5 µm
1/4"	30	64	1,71	3.76	LB64G-2GK-MD3-RMN	LB64G-2GK-MD1-RMN	LB64G-2AK-MD3-RMN	LB64G-2AK-MD1-RMN
3/8"	76	161	1,69	3.72	LB64G-3GK-MD3-RMN	LB64G-3GK-MD1-RMN	LB64G-3AK-MD3-RMN	LB64G-3AK-MD1-RMN
1/2"	106	225	1,66	3.65	LB64G-4GK-MD3-RMN	LB64G-4GK-MD1-RMN	LB64G-4AK-MD3-RMN	LB64G-4AK-MD1-RMN
3/4"	106	225	2,02	4.45	LB64G-6GK-MD3-RMN	LB64G-6GK-MD1-RMN	LB64G-6AK-MD3-RMN	LB64G-6AK-MD1-RMN
Without yoke					LB64G-NNK-MD3-RMN	LB64G-NNK-MD1-RMN	LB64G-NNK-MD3-RMN	LB64G-NNK-MD1-RMN

* Typical flow at 10 bar (145 psi) inlet pressure 6,3 bar (90 psi) set, 40 µm element and 1 bar (15 psi) pressure drop.

Option selector

LB64G-★★K-★★★-RMN

Port size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6
Without yoke	N

Threads form	Substitute
PTF or without yoke (N in 6th position), no gauge ports, drain thread = PTF	A
ISO G parallel	G
Without yoke (N in 6th position), no gauge ports, drain thread = ISO Rc	N

Filter element	Substitute
5 µm	1
25 µm (optional)	2
40 µm	3

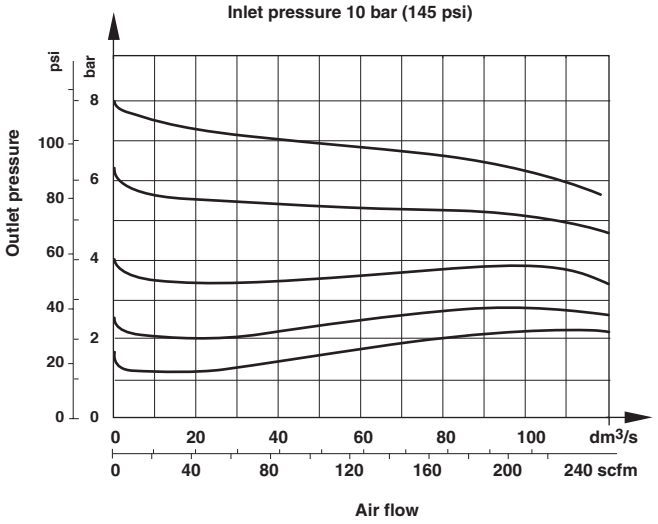
Bowl	Substitute
With sight glass (standard)	D
Without sight glass	M

Drain	Substitute
Manual (standard)	M
Automatic	A*

* For temperature range -25 ... 80°C only, shock and vibration, contact Norgren

Flow characteristics

LB64G – Port size 1/2", 40 µm element, range 0,3 ... 10 bar (5 ... 145 psi)



Accessories 64 series

Thread	Models with G-thread Single yoke 5	Double yoke	Models with PTF-thread Single yoke 5	Double yoke
1/4"	Y64A-2GA-N1N	Y64A-2GA-N2N	Y64A-2AA-N1N	Y64A-2AA-N2N
3/8"	Y64A-3GA-N1N	Y64A-3GA-N2N	Y64A-3AA-N1N	Y64A-3AA-N2N
1/2"	Y64A-4GA-N1N	Y64A-4GA-N2N	Y64A-4AA-N1N	Y64A-4AA-N2N
3/4"	Y64A-6GA-N1N*	Y64A-6GA-N2N*	Y64A-6AA-N1N*	Y64A-6AA-N2N*

*These yokes are supplied with two end connenctor kits as standard.

Thread	Models with G-thread End connector kit 2	Models with G-thread Rear entry bracket kit 8	Models with PTF-thread End connector kit 2
3/4"	74505-53	18-026-981	74505-55

Bracket mounting 1	Nut 4	Tamper resistant cap & seal wire 3
74504-50	74502-89	4355-51

Others

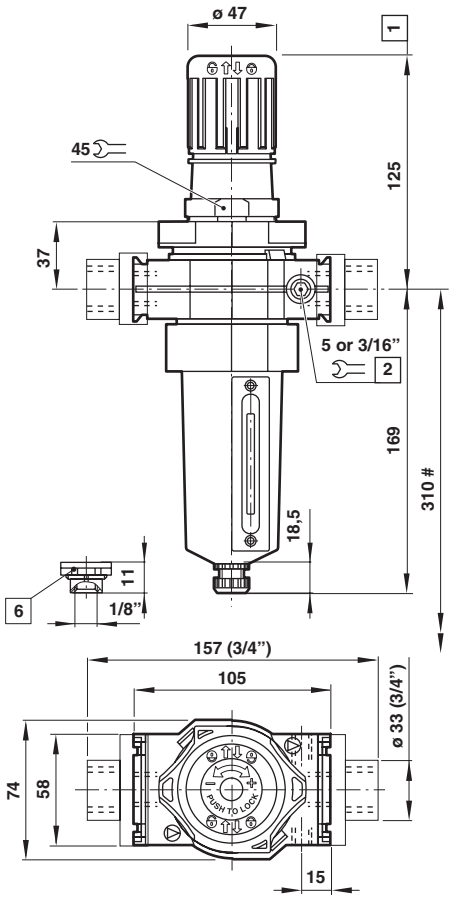
Series	Port size	Pressure range in bar 6	Pressure range in psi 6	Diameter	Model
64 (ISO G main port)	Rc 1/8	0 ... 10		50 mm	18-013-013
64 (PTF main port)	1/8 PTF		0 ... 160	2"	18-013-212

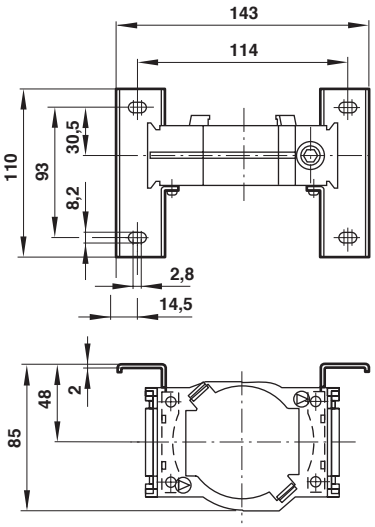
Gauge (for full technical specification see page 4-61)

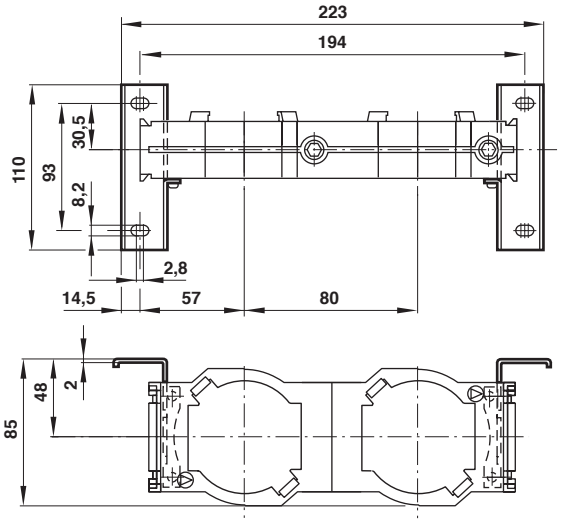
Service kit, manual drain	Service kit, automatic drain
LB64G-KITM05R (5 µm)	LB64G-KITA05R (5 µm)
LB64G-KITM25R (25 µm)	LB64G-KITA25R (25 µm)
LB64G-KITM40R (40 µm)	LB64G-KITA40R (40 µm)

Basic dimensions 64 series

Dimensions shown in mm
Projection/First angle







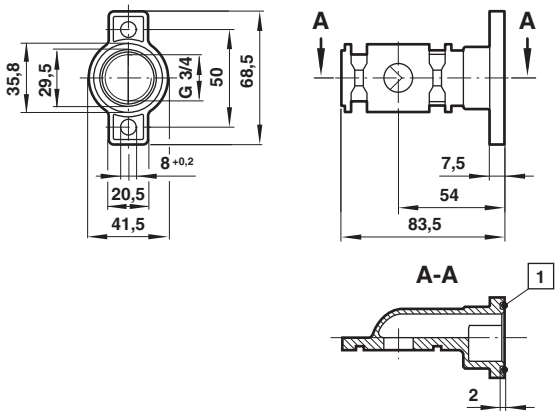
Minimum clearance required to remove bowl

1 Reduces by 4 mm with knob in locked position

2 Gauge port

6 Automatic drain (optional)

Rear entry bracket



1 'O'-ring (included in scope of supply of bracket)

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.