

# Olympian Plus plug-in system LR64G

## Pressure regulator

### 1/4" ... 3/4"

**Non-rising adjusting knob has snap-action lock**

**Diaphragm and balanced valve design ensure good regulation characteristics**

**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) for LR64G

**Gauge ports:**

Rc 1/8 with ISO G main ports,

1/8 PTF with PTF main ports

**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].

**Relieving:**

Standard

**Materials:**

Body and yoke: zinc alloy

Bonnet: aluminium

Adjusting knob: Acetal resin

Elastomers: synthetic rubber

### Technical data

Air port	Flow*		Weight		Model with G-thread	Model with PTF-thread
	dm <sup>3</sup> /s	scfm	kg	lb		
1/4"	35	74	1,54	3.39	LR64G-2GK-RMN	LR64G-2AK-RMN
3/8"	80	170	1,52	3.35	LR64G-3GK-RMN	LR64G-3AK-RMN
1/2"	120	254	1,49	3.28	LR64G-4GK-RMN	LR64G-4AK-RMN
3/4"	120	254	1,85	4.07	LR64G-6GK-RMN	LR64G-6AK-RMN
Without yoke					LR64G-NNK-RMN	LR64G-NNK-RMN

\* Typical flow at 6,3 bar (90 psi) inlet pressure and 0,5 bar (7 psi) pressure drop.

### Option selector

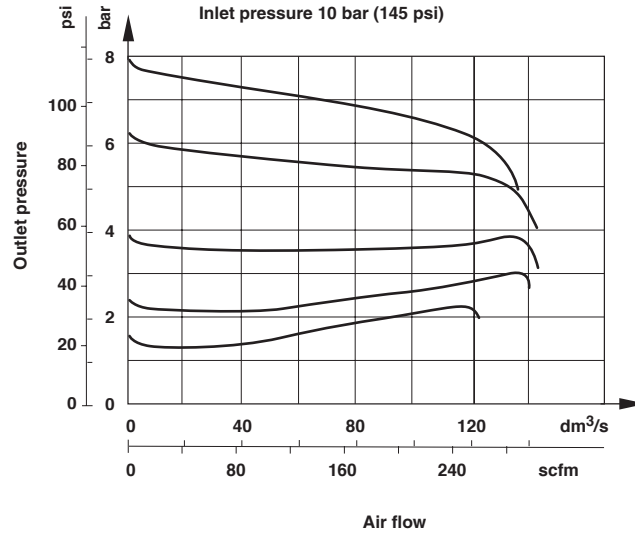
LR64G-★★K-RMN

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

Threads form	Substitute
PTF	A
ISO G parallel	G
Without yoke	N

**Flow characteristics**

**LR64G – Port size 1/2", range 0,3 ... 10 bar  
(5 ... 145 psi)**



Accessories 64 series



	Models with G-thread Single yoke	Double yoke	Models with PTF-thread Single yoke	Double yoke
Thread	<b>5</b>		<b>5</b>	
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 connector kits as standard.

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

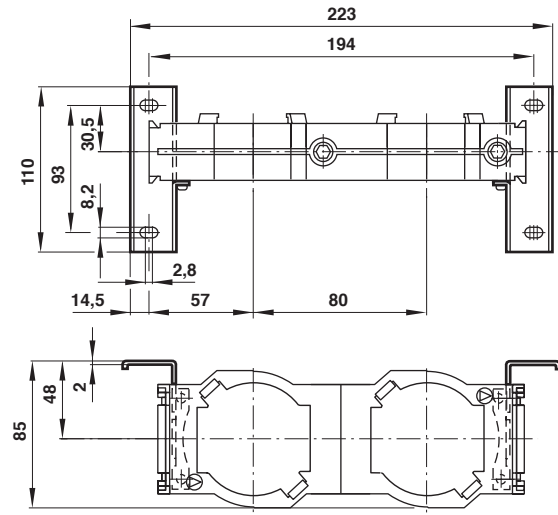
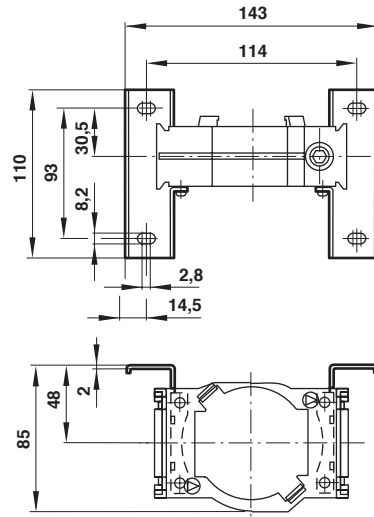
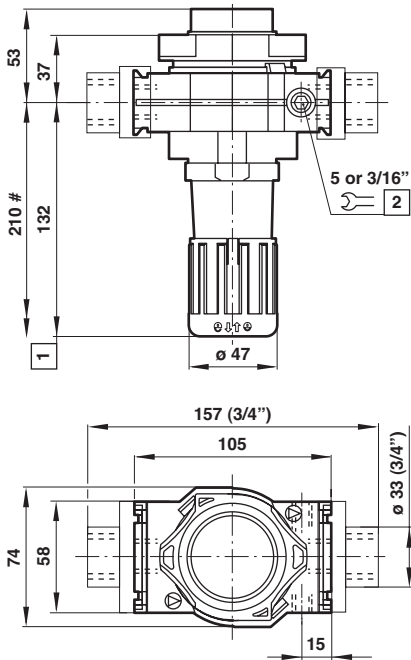
Others

Bracket mounting	Nut	Tamper resistant cap & seal wire	Service kit
<b>1</b>	<b>4</b>	<b>3</b>	
74504-50	74502-89	4355-51	LR64G-KITR

Gauge (for full technical specification see page 4-61)					
Series	Port size	<b>6</b> Pressure range in bar	<b>6</b> Pressure range in psi	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

**Basic dimensions 64 series**

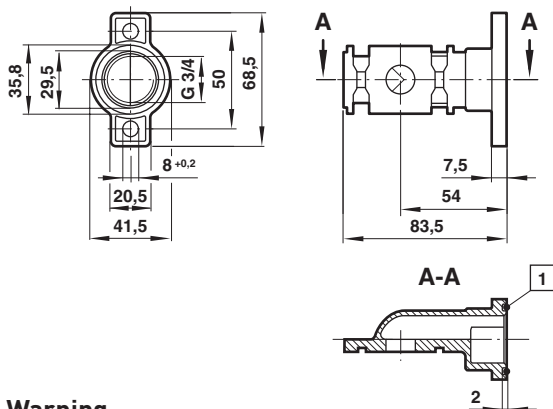
Dimensions shown in mm  
Projection/First angle



# Minimum clearance required to remove unit from yoke

- 1 Reduces by 4 mm with knob in locked position
- 2 Gauge port

**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.

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.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.