

Air gun LSP

FESTO



## Characteristics

### At a glance

Air gun with lever operation, integrated air saving function and exchangeable nozzles.

- Precise, infinitely variable, lever-operated flow metering
- Aluminium or polymer version
- Interchangeable nozzles

### Diagrams

[Link](#)  [lsp](#)



The diagrams shown in this document are also available online. These can be used to display precise values.

## Type code

001	Series	
LSP	Low consumption air gun	

002	Pneumatic connection	
1/4	Female thread G1/4	

003	Product version	
C	Mainly polymer	
D	Mainly metal	

## Datasheet

### General technical data

Exhaust-air function	Metered blowing
Pneumatic connection	Female thread G1/4
Sound pressure level <sup>1)</sup>	90 dB(A)
Standard nominal flow rate (standardised to DIN 1343) <sup>2)</sup>	120 l/min

1) at 6 bar

2) at 6 bar

### Operating and environmental conditions

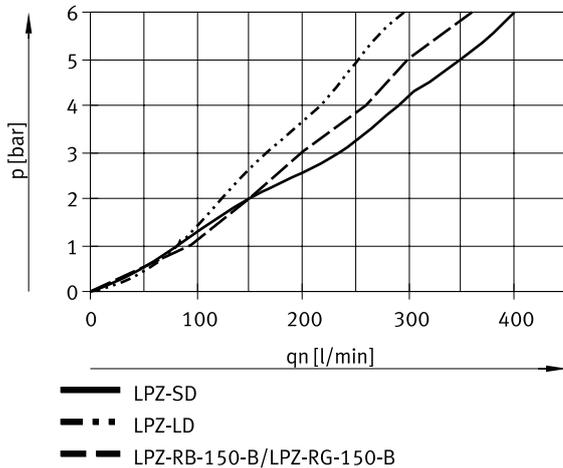
Product version	Mainly polymer [C]	Mainly metal [D]
Operating pressure	0 ... 1 MPa	
Operating pressure	0 ... 10 bar	
Operating pressure	0 ... 145 psi	
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]	
Note on operating and pilot medium	–	Lubricated operation possible (in which case lubricated operation will always be required)
Ambient temperature	-10 ... 50°C	
Corrosion resistance class CRC <sup>1)</sup>	–	1 - Low corrosion stress
Instructions on use	Mounting the G1/4 screw-in part without a flat sealing ring	–

1) More information [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

### Materials

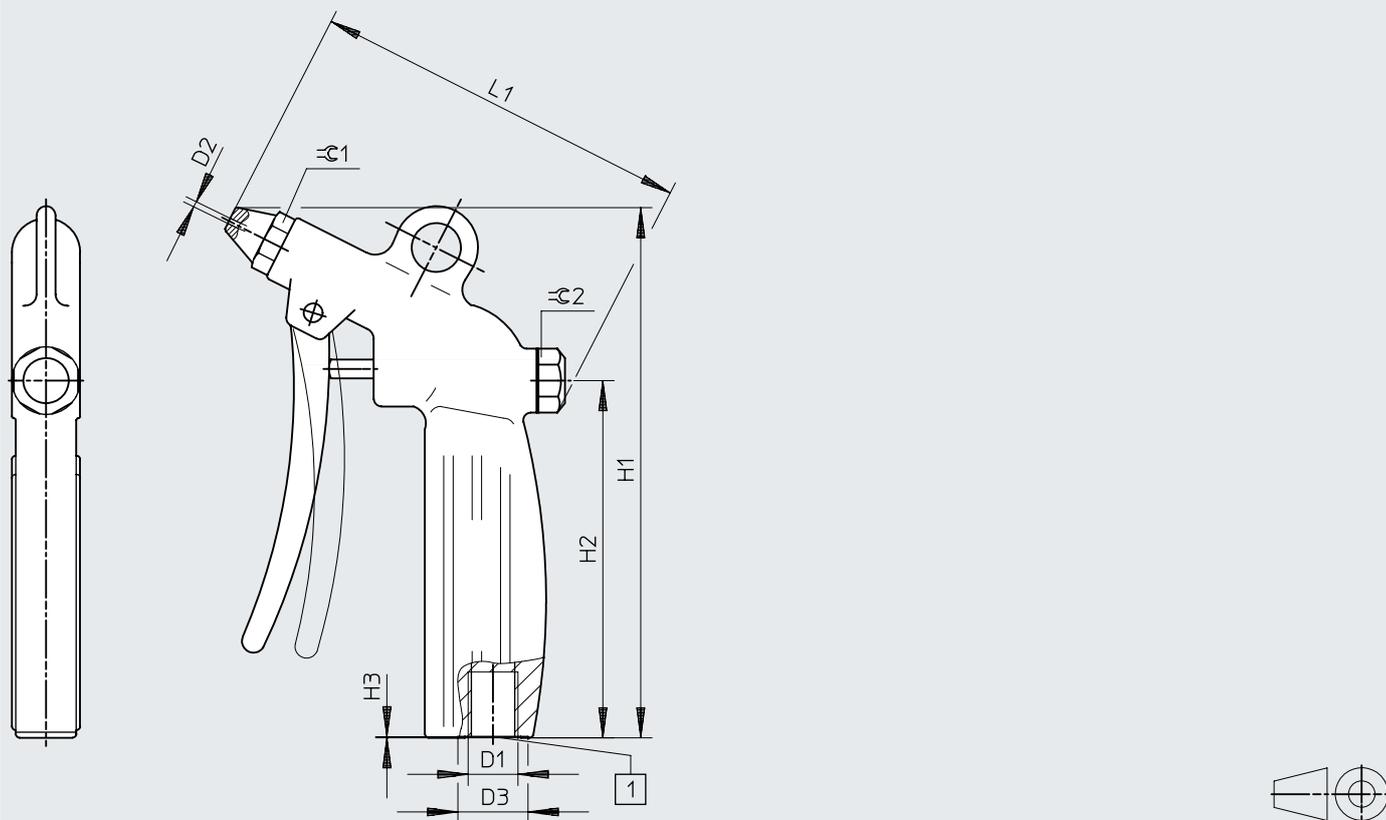
Material housing	Die-cast aluminium, coated PA6 reinforced
Note on materials	RoHS-compliant
LABS (PWS) conformity	VDMA24364 zone III

### Standard flow rate $q_n$ with full lever actuation as a function of output pressure $p$ (LSP-1/4-C)



## Dimensions

Dimensions – Low consumption air guns LSP-1/4-D

Download CAD data [www.festo.com](http://www.festo.com)

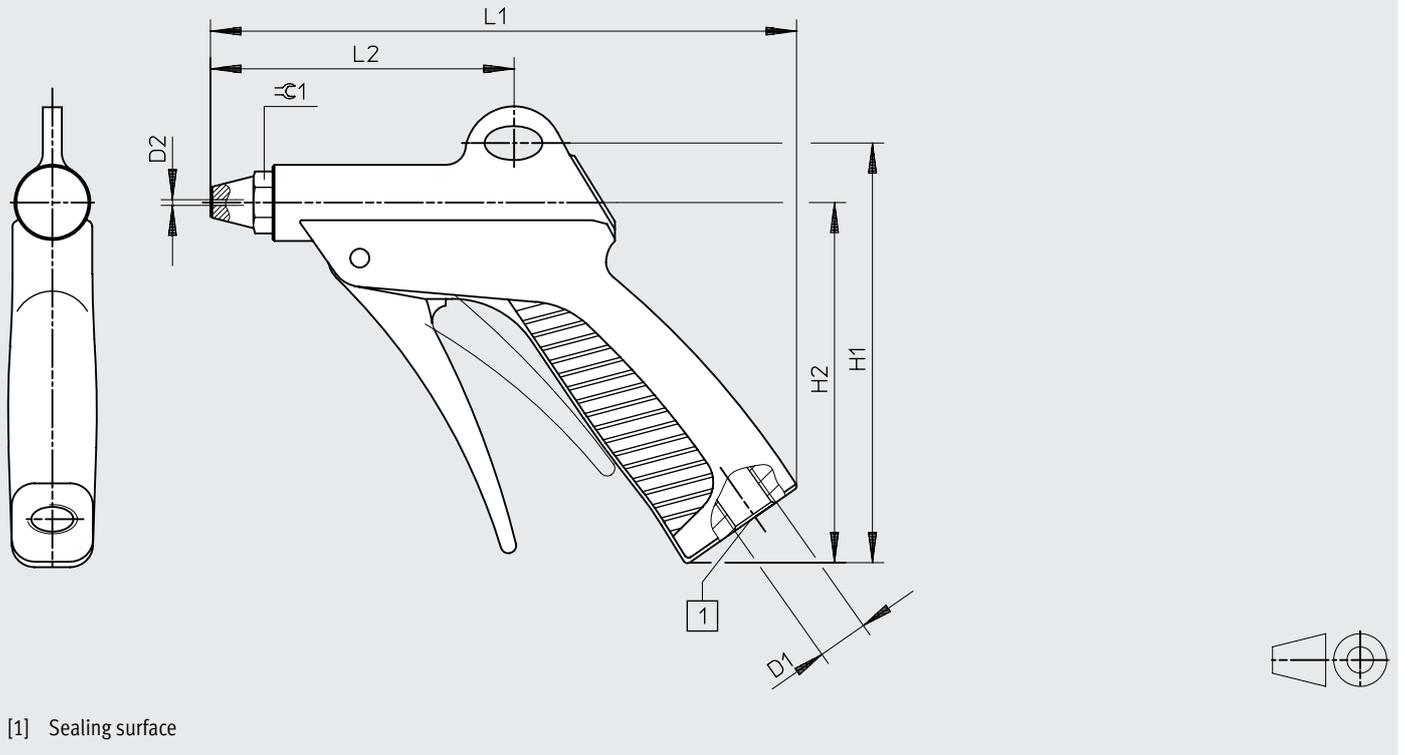
[1] Sealing surface

	D1	D2	D3	H1	H2	H3	L1	$\varnothing 1$	$\varnothing 2$
LSP-1/4-D	G1/4	1,5	18,5	141	95	0,3	101	14	17

## Dimensions

Dimensions – Low consumption air guns LSP-1/4-C

Download CAD data [www.festo.com](http://www.festo.com)

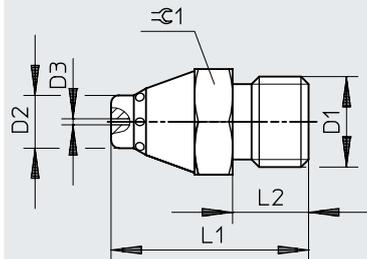


[1] Sealing surface

	D1	D2	H1	H2	L1	L2	⌀1
LSP-1/4-C	G1/4	1,5	112	96,2	154,4	80	14

## Dimensions

Dimensions – Air gun nozzle LPZ-SD with protective air shield

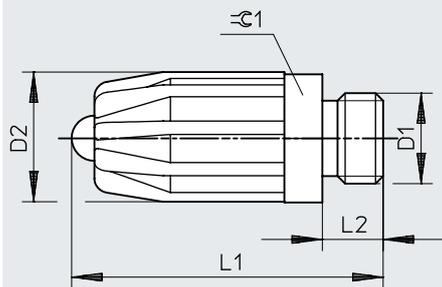
Download CAD data [www.festo.com](http://www.festo.com)

	D1	D2	D3	L1	L2	∠ 1
LPZ-SD	M12x1,25	∅ 7	∅ 0,8	26	10	14

## Dimensions

Dimensions – Air gun nozzle LPZ-LD with noise reduction

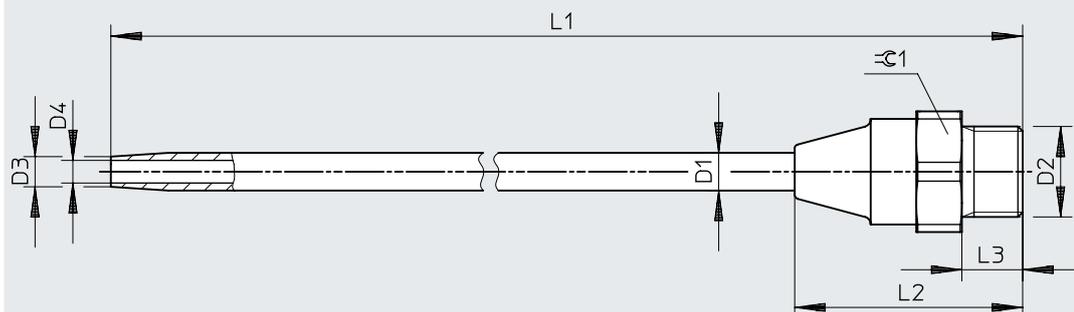
Download CAD data [www.festo.com](http://www.festo.com)



	D1	D2 ∅	L1	L2	$\approx 1^\circ$
LPZ-LD	M12x1,25	17,6	41	8	17

## Dimensions

Dimensions – Air gun nozzle LPZ-RG-150-B, straight tube

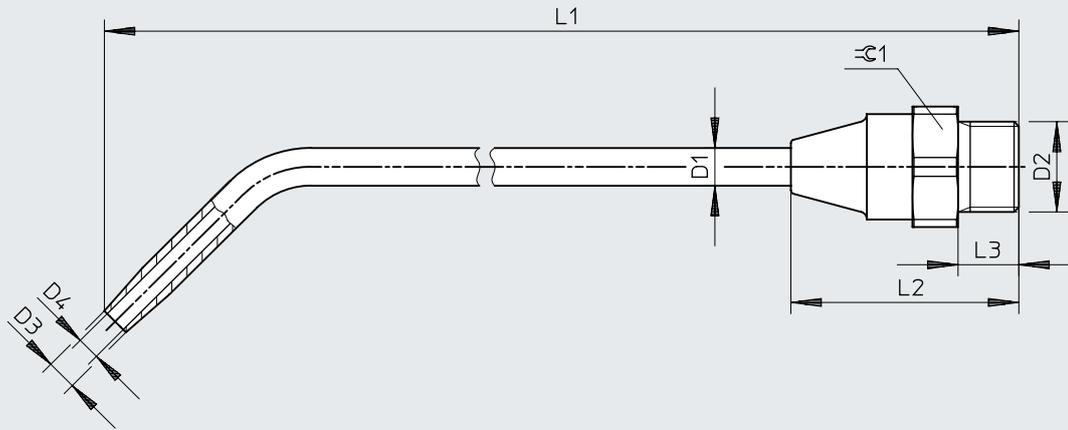
Download CAD data [www.festo.com](http://www.festo.com)

	D1 ∅	D2	D3 ∅	D4 ∅	L1	L2	L3	≡C1
LPZ-RG-150-B	5	M12x1,25	4	3	173	30	8	17

## Dimensions

Dimensions – Air gun nozzle LPZ-RB-150-B, elbow tube

Download CAD data [www.festo.com](http://www.festo.com)



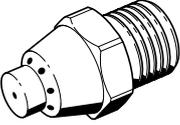
	D1 ∅	D2	D3 ∅	D4 ∅	L1	L2	L3	G 1
LPZ-RB-150-B	5	M12x1,25	4	3	168	30	8	17

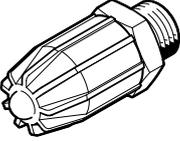
## Ordering data

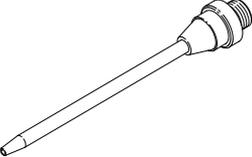
Ordering data – Aluminium housing					
	Pneumatic connection	Material housing	Product weight	Part no.	Type
	Female thread G1/4	Die-cast aluminium, coated	240 g	<b>35528</b>	<b>LSP-1/4-D</b>

Ordering data – Polymer housing					
	Pneumatic connection	Material housing	Product weight	Part no.	Type
	Female thread G1/4	PA6 reinforced	125 g	<b>184318</b>	<b>LSP-1/4-C</b>

## Accessories

Air gun nozzle LPZ-SD with protective air shield					
	Pneumatic connection	Sound pressure level	Material housing	Part no.	Type
	Male thread M12x1.25	80 dB(A)	Aluminium	<b>184321</b>	<b>LPZ-SD</b>

Air gun nozzle LPZ-LD with noise reduction					
	Pneumatic connection		Material housing	Part no.	Type
	Male thread M12x1.25		Aluminium, Die-cast zinc, Chrome-plated	<b>184322</b>	<b>LPZ-LD</b>

Air gun nozzle LPZ-RG-150-B, straight tubing					
	Pneumatic connection	Sound pressure level	Material housing	Part no.	Type
	Male thread M12x1.25	90 dB(A)	Brass, Nickel-plated	<b>565317</b>	<b>LPZ-RG-150-B</b>

Air gun nozzle LPZ-RB-150-B, elbow pipe					
	Pneumatic connection	Sound pressure level	Material housing	Part no.	Type
	Male thread M12x1.25	90 dB(A)	Brass, Nickel-plated	<b>565316</b>	<b>LPZ-RB-150-B</b>