

## 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.

# Datasheet

## General technical data

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

## Operating and environmental conditions

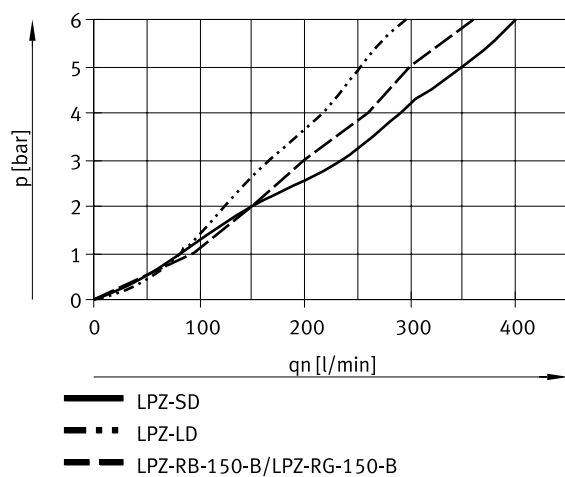
|                                                 |                                                                                            |
|-------------------------------------------------|--------------------------------------------------------------------------------------------|
| Operating pressure                              | 0 ... 10 bar                                                                               |
| 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<br>CRC <sup>1)</sup> | 1 - Low corrosion stress                                                                   |

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

## Materials

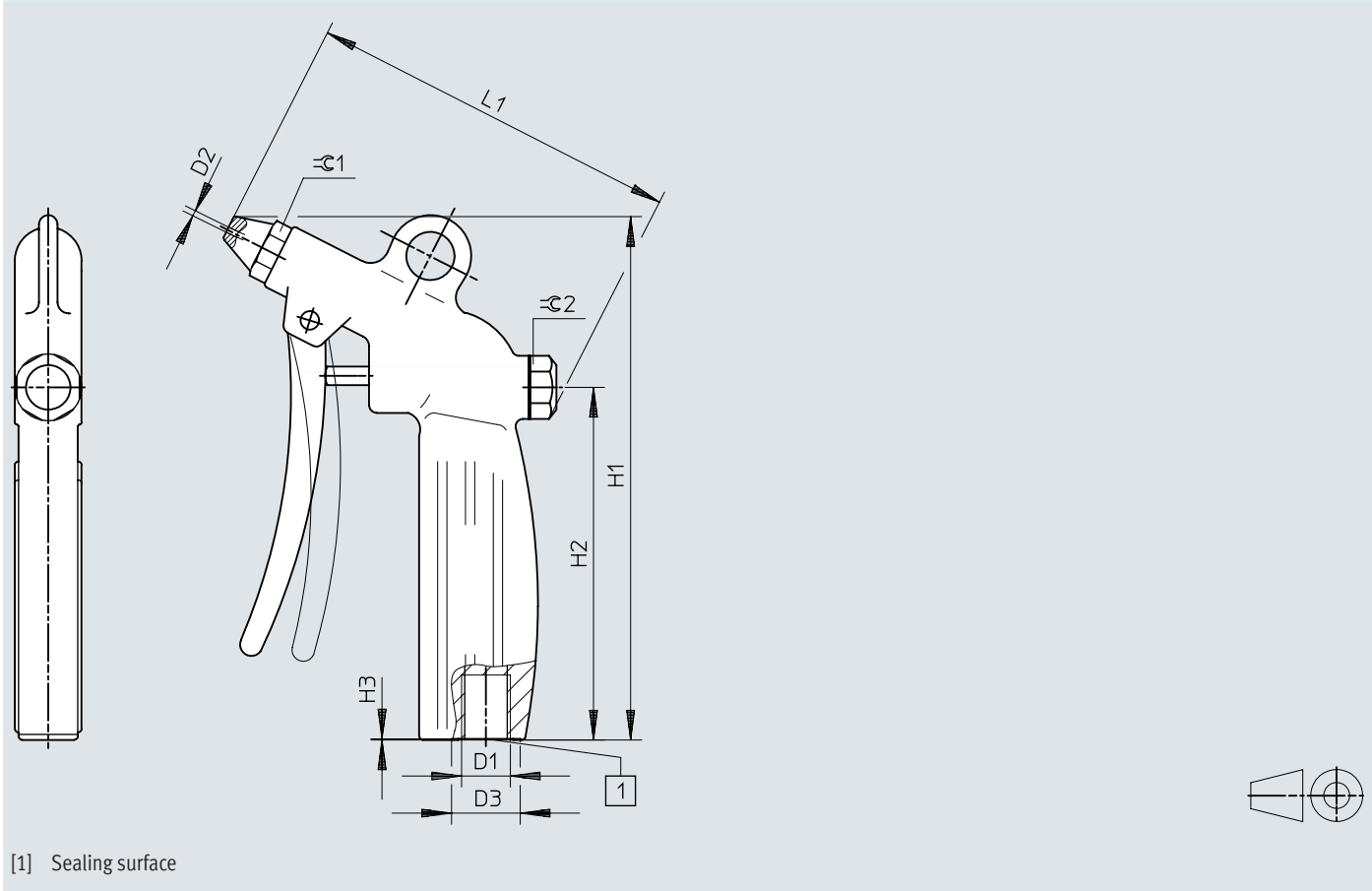
|                        |                                           |
|------------------------|-------------------------------------------|
| Material housing       | Wrought aluminium alloy<br>PA6 reinforced |
| Note on materials      | RoHS-compliant                            |
| LABS (PWIS) conformity | VDMA24364 zone III                        |

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



Dimensions

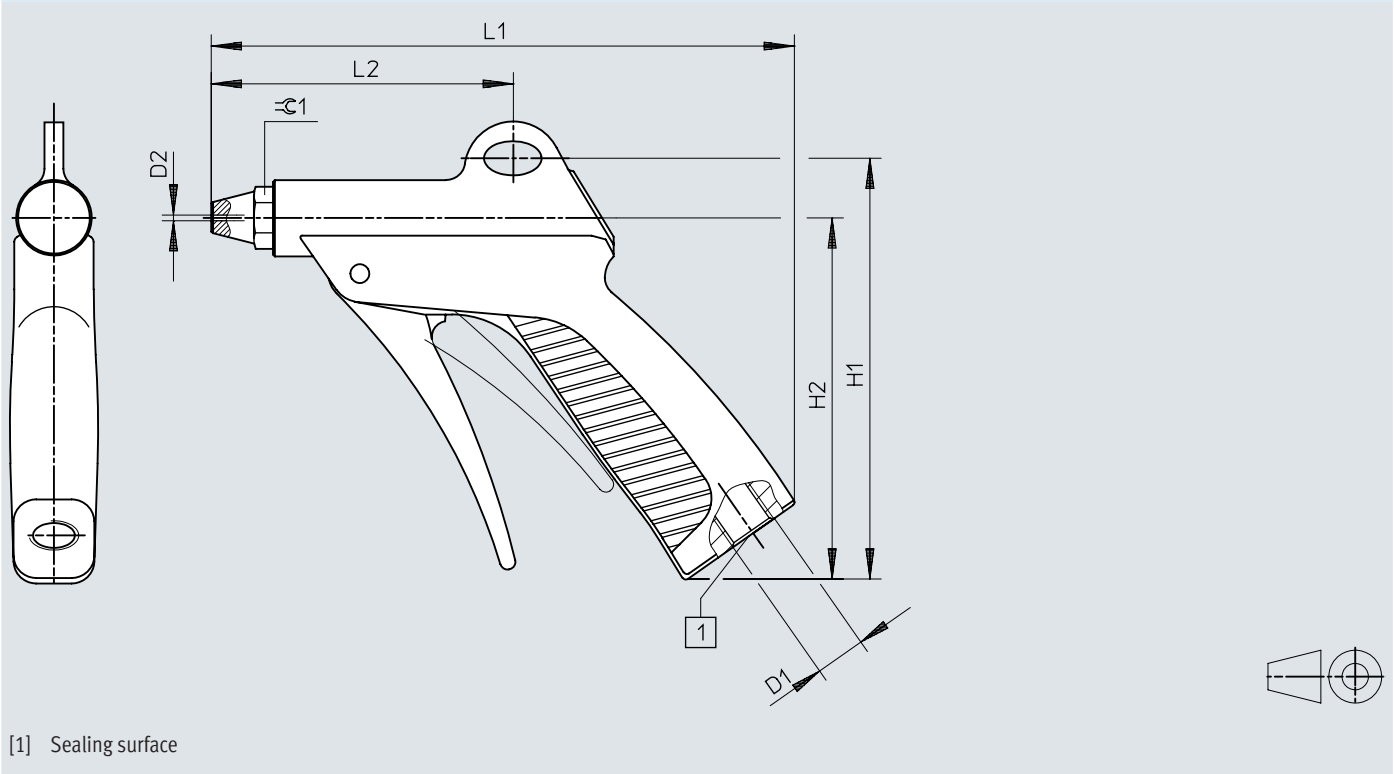
Dimensions – Low consumption air guns LSP-1/4-D Download CAD data [www.festo.com](http://www.festo.com)



|           | 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

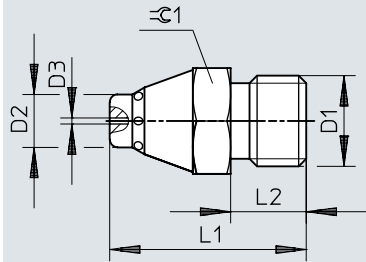
Dimensions – Low consumption air guns LSP-1/4-C Download CAD data [www.festo.com](http://www.festo.com)



|           | D1   | D2  | H1  | H2   | L1    | L2 | $\varnothing 1$ |
|-----------|------|-----|-----|------|-------|----|-----------------|
| 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](http://www.festo.com) [www.festo.com](http://www.festo.com)

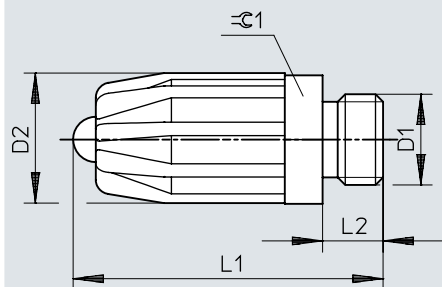


|        | D1       | D2 | D3  | L1 | L2 | H1 |
|--------|----------|----|-----|----|----|----|
|        |          | Ø  | Ø   |    |    |    |
| LPZ-SD | M12x1,25 | 7  | 0,8 | 26 | 10 | 14 |

## Dimensions

Dimensions – Air gun nozzle LPZ-LD with noise reduction

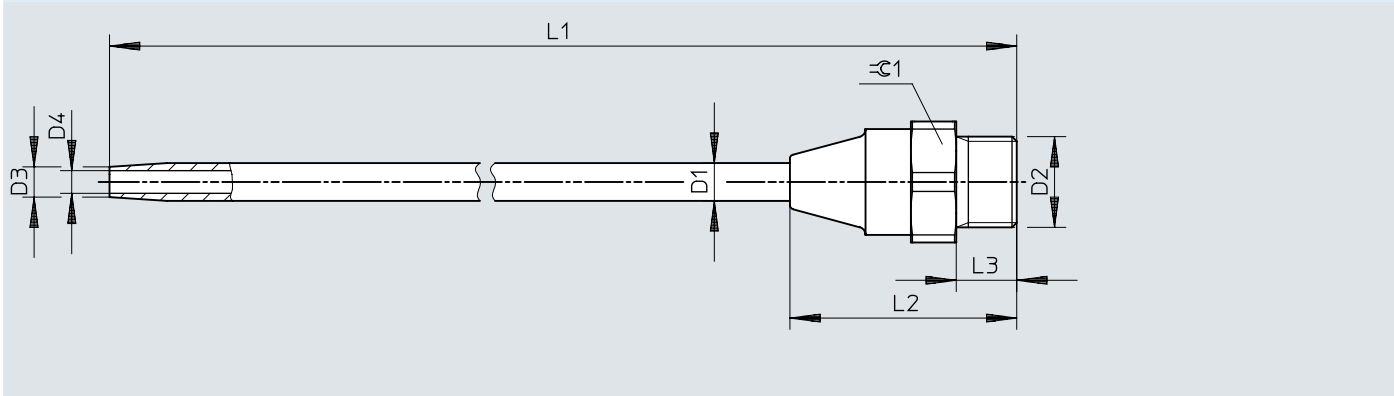
Download CAD data [www.festo.com](http://www.festo.com)



|        | D1       | D2<br>ø | L1 | L2 | ☞ 1 |
|--------|----------|---------|----|----|-----|
| 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)



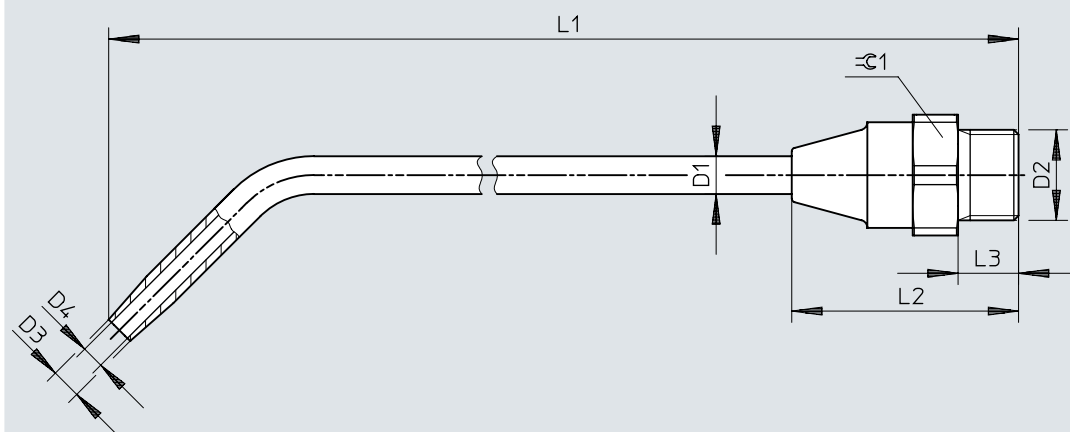
|              | D1<br>ø | D2       | D3<br>ø | D4<br>ø | L1  | L2 | L3 | ≡C 1 |
|--------------|---------|----------|---------|---------|-----|----|----|------|
| LPZ-RG-150-B | 5       | M12x1,25 | 4       | 3       | 173 | 30 | 8  | 17   |



## Dimensions

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

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



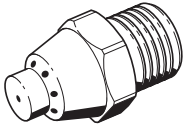
|              | D1<br>Ø | D2       | D3<br>Ø | D4<br>Ø | L1  | L2 | L3 | Ø 1 |
|--------------|---------|----------|---------|---------|-----|----|----|-----|
| LPZ-RB-150-B | 5       | M12x1,25 | 4       | 3       | 168 | 30 | 8  | 17  |

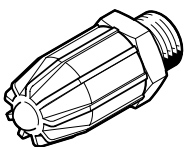
## Ordering data

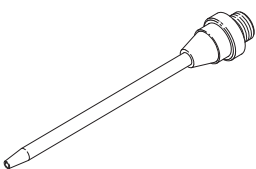
| Ordering data – Aluminium housing                                                |                      |                         |                |              |                  |
|----------------------------------------------------------------------------------|----------------------|-------------------------|----------------|--------------|--------------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

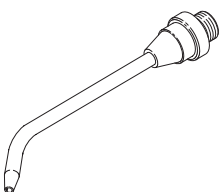
| Ordering data – Polymer housing                                                  |                      |                  |                |               |                  |
|----------------------------------------------------------------------------------|----------------------|------------------|----------------|---------------|------------------|
|                                                                                  | 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> |