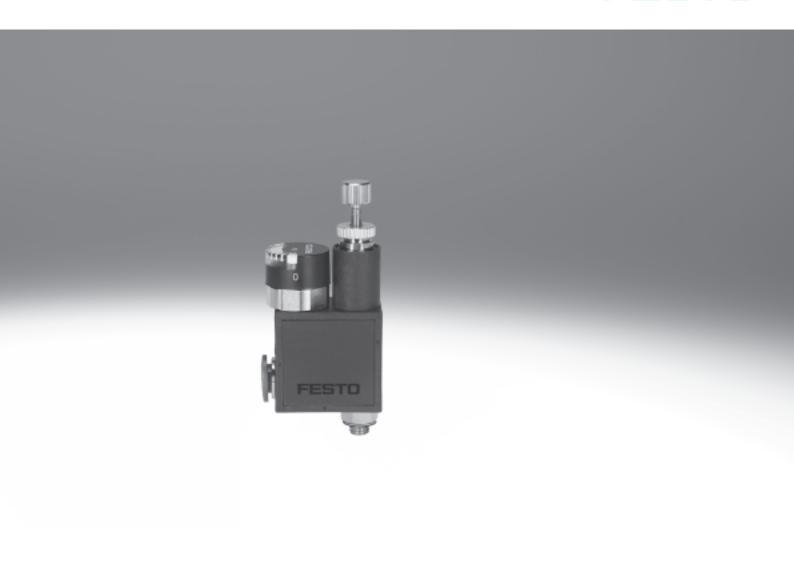
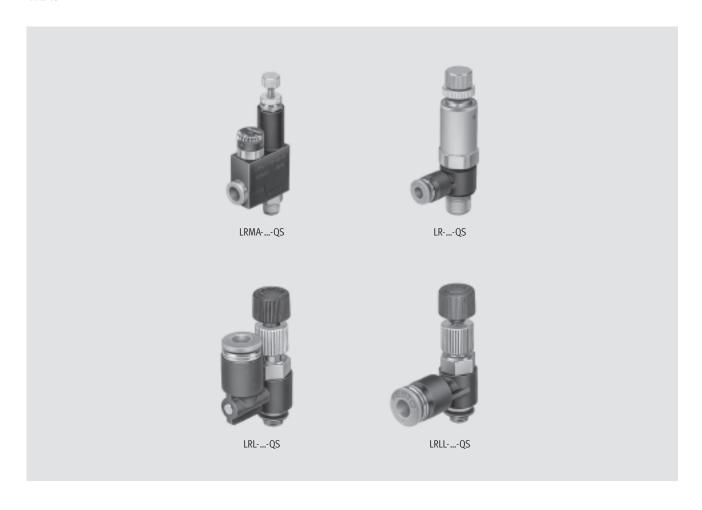
Pressure and differential pressure regulators



Pressure and differential pressure regulators

Feature





Pressure regulators LR, LRMA



Flow rate 22 ... 127 l/min

- With threaded and push-in connector
- Screw-in thread M5, R1/8, R1/4
- Push-in connector for tubing O.D. 4 ... 8 mm
- Push-in connector, can be rotated 360°

The pressure regulator maintains an essentially constant output pressure on the secondary side independent of pressure fluctuations on the primary side and air consumption.

The primary pressure at the screw-in thread is reduced when air is exhausted from the QS push-in connector.

Differential pressure regulators LRL, LRLL



Flow rate 30 ... 760 l/min

- With threaded and push-in connector
- Screw-in thread M5, R1/8, R1/4, R3/8, R1/2
- Push-in connector for tubing O.D. 4 ... 12 mm
- Push-in connector, can be rotated 360°

The differential pressure regulator maintains a manually adjusted differential pressure between the primary pressure at the screw-in thread and the output pressure at the QS push-in connector.

Pressure applied at the QS push-in connector can be exhausted with no change in pressure at the thread connection end thanks to an integrated non-return valve.



Note

The differential pressure regulator has no exhaust, i.e. increasing secondary pressure cannot be reduced.

Pressure and differential pressure regulators Product range overview

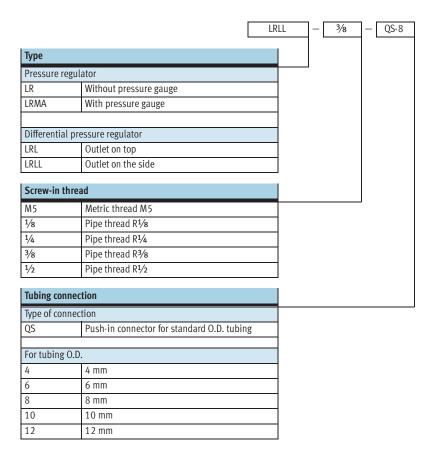
| Function | Design | Туре | Pneumatic conn | ection | | | | | → Page/Internet | | | | |
|------------------------------|--|--|-------------------------------|--------------|----------------|----------|----------------|-----|-----------------|--|--|--|--|
| | | | Thread | For tub | | | | | | | | | |
| | | | | 4 | 6 | 8 | 10 | 12 | | | | | |
| Pressure regulating | With QS push-in con | nector and screw-in t | thread | | | | | | | | | | |
| valve without pressure gauge | | LRQS | M5 | • | • | _ | _ | _ | 5 | | | | |
| 33- | | | R ¹ /8 | • | • | - | - | - | | | | | |
| | | | R ¹ / ₄ | - | • | • | - | - | | | | | |
| | With OS push-in con | With QS push-in connector at both ends | | | | | | | | | | | |
| | O push in con | LR-QS | 1_ | | 1 | | 1 | 1 | 5 | | | | |
| | 3 | | | - | | | _ | _ | | | | | |
| | | | | | | | | | | | | | |
| Pressure regulator | With QS push-in con | nector and screw-in t | hread | | | | | | | | | | |
| with pressure gauge | | LRMAQS | M5 | - | • | - | - | - | 9 | | | | |
| | | | R ¹ / ₈ | • | • | • | - | - | | | | | |
| | | | R ¹ / ₄ | - | • | • | - | - | | | | | |
| | | | | | | | | | | | | | |
| | With QS push-in connector at both ends | | | | | | | | | | | | |
| | | LRMA-QS | - | _ | | | | | 9 | | | | |
| | | | | • | • | • | _ | _ | | | | | |
| | • | | · · | l. | | | | | 1 | | | | |
| Differential pressure | With QS push-in con | nector at top and scr | | | | | | | | | | | |
| regulator | 9 | LRLQS | M5 | | | - | - | - | 12 | | | | |
| without pressure gauge | | | R ¹ /8 | | | | - | - | | | | | |
| | | | R ¹ / ₄ | - | | - | - | - | 7 | | | | |
| | | | R ³ /8 | - | - | - | | - | 7 | | | | |
| | | | R ¹ / ₂ | - | - | - | - | • | | | | | |
| | | | | | | | | | | | | | |
| | With QS push-in con | nector on side and so | rew-in thread | | | | | | | | | | |
| | | LRLLQS | M5 | | | T - | Τ – | Τ – | 12 | | | | |
| | | | R ¹ /8 | | | • | _ | _ | † | | | | |
| | | | R ¹ / ₄ | - | _ | <u> </u> | - | _ | = | | | | |
| | | | R3/8 | _ | - | - | | • | = | | | | |
| | | | R ¹ / ₂ | _ | _ | + - | - | +÷ | ╡ | | | | |
| | | | 11./2 | | | | | | | | | | |

¹⁾ Tubing → www.festo.com

Pressure and differential pressure regulators

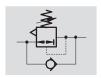


Type codes



FESTO

Function





- Minimal dimensions
- Constant output pressure
- Version without pressure gauge
- Screw-in thread M5 ... R1/4 or push-in connector ∅ 4 ... 8 mm



| General technical data | | |
|-------------------------|---------------------------------|---|
| Design | | Directly actuated piston regulator with through pressure supply |
| Regulating function | | With secondary venting, output pressure constant |
| Actuator lock | | Knurled screw with lock nut |
| Mounting position | | Any |
| With QS push-in connect | or and metric thread with seali | ng ring |
| Type of mounting | | Can be screwed in |
| Materials | Housing | Polybutylene terephthalate |
| | Threaded plug | Nickel plated brass |
| With QS push-in connect | or and PTFE-coated pipe thread | |
| Type of mounting | | Can be screwed in |
| Materials | Housing | Polybutylene terephthalate |
| | Threaded plug | Nickel plated brass |
| | Threaded seal | Polytetrafluoroethylene |
| | | |
| With QS push-in connect | or at both ends | |
| Type of mounting | | Via through-holes |
| Materials | Housing | Polybutylene terephthalate |

| Operating and environmental conditions | | | | | | | | |
|--|-------|---|--|--|--|--|--|--|
| Operating medium | | Filtered compressed air, lubricated or unlubricated | | | | | | |
| Input pressure | [bar] | 0 9 | | | | | | |
| Pressure regulation range | [bar] | 18 | | | | | | |
| Ambient temperature | [°C] | 0 60 | | | | | | |

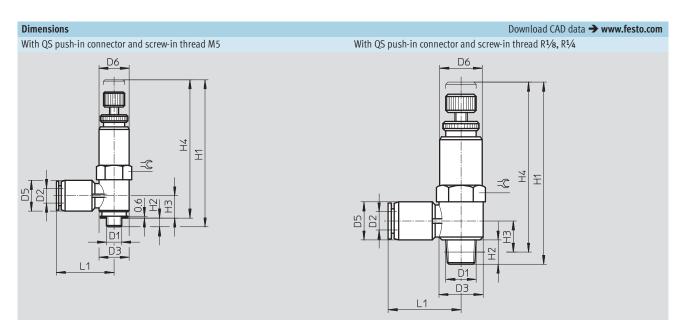


| Weights [g] | | | | | | | | | |
|---|-----------------------------|------|-------------------------------|--|--|--|--|--|--|
| Screw-in thread | M5 | R½8 | R ¹ / ₄ | | | | | | |
| With QS push-in connector and metric thread with sealing ring | | | | | | | | | |
| QS-4 | 16 | _ | _ | | | | | | |
| QS-6 | 16 | _ | _ | | | | | | |
| | | | | | | | | | |
| With QS push-in connector a | and PTFE-coated pipe thread | | | | | | | | |
| QS-4 | _ | 32.5 | _ | | | | | | |
| QS-6 | - | 33.5 | 54 | | | | | | |
| QS-8 | - | 35 | 55 | | | | | | |

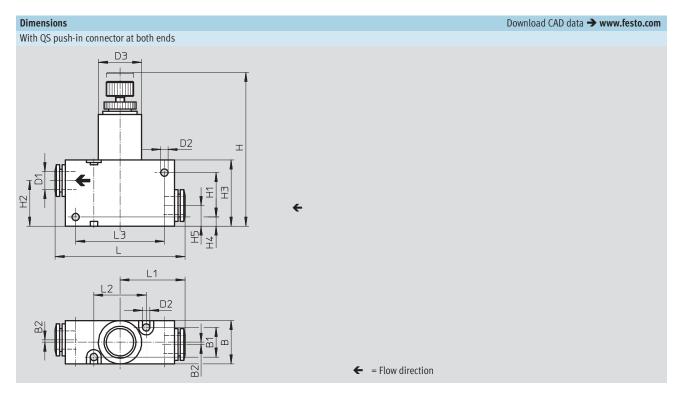
| Weights [g] | | | | | | | |
|--|----|--|--|--|--|--|--|
| With QS push-in connector at both ends | | | | | | | |
| QS-4 | 33 | | | | | | |
| QS-6 | 33 | | | | | | |
| QS-8 | 56 | | | | | | |

| Standard nominal flow rate [l/min] | | | | | | | | | | |
|---|-----------------------------|-------------------|-------------------------------|--|--|--|--|--|--|--|
| Screw-in thread | M5 | R ¹ /8 | R ¹ / ₄ | | | | | | | |
| With QS push-in connector and metric thread with sealing ring | | | | | | | | | | |
| QS-4 | 22 | - | _ | | | | | | | |
| QS-6 | 41 | - | _ | | | | | | | |
| | | | | | | | | | | |
| With QS push-in connector | and PTFE-coated pipe thread | | | | | | | | | |
| QS-4 | - | 46 | _ | | | | | | | |
| QS-6 | - | 63 | 98 | | | | | | | |
| QS-8 | - | 69 | 101 | | | | | | | |

| Standard nominal flow rate | Standard nominal flow rate [l/min] | | | | | | | | |
|--|------------------------------------|--|--|--|--|--|--|--|--|
| With QS push-in connector at both ends | | | | | | | | | |
| QS-4 | 67 | | | | | | | | |
| QS-6 | 70 | | | | | | | | |
| QS-8 | 127 | | | | | | | | |



| Screw-in thread D1 | D2 Ø | D3 Ø | D5 Ø | D6 Ø | H1 | | H2 | Н3 | H4 | | L1 | =© |
|-------------------------------|---------|---------|---------|---------|------|-------|------|------|------|------|------|----|
| | | | | | min. | max. | | | min. | max. | | |
| M5 | 4 | 9.8 | 8 | 10 | 44.6 | 48.75 | 2.9 | 7.6 | 41.7 | 45.8 | 16 | 10 |
| | 6 | 9.8 | 10.5 | 10 | 44.6 | 48.7 | 2.9 | 8.4 | 41.7 | 45.8 | 17.8 | 10 |
| R ¹ /8 | 4 | 14.4 | 10 | 14 | 56 | 60 | 7.8 | 10.5 | 52 | 56 | 21.4 | 14 |
| | 6 | 14.4 | 12.4 | 14 | 56 | 60 | 7.8 | 10.7 | 52 | 56 | 23.5 | 14 |
| | 8 | 14.4 | 14.4 | 14 | 56 | 60 | 7.8 | 11.7 | 52 | 56 | 26.9 | 14 |
| R ¹ / ₄ | 6 | 18.4 | 12.4 | 17 | 60.8 | 64.8 | 11.3 | 12.2 | 54.8 | 58.8 | 25.5 | 17 |
| | 8 | 18.4 | 14.4 | 17 | 60.8 | 64.8 | 11.3 | 13.2 | 54.8 | 58.8 | 28.4 | 17 |



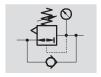
| Push-in | В | B1 | B2 | D1 | D2 | D3 | H | 1 | H1 | H2 | Н3 | H4 | H5 | L | L1 | L2 | L3 |
|-----------|----|----|----|----|-----|----|------|------|----|----|----|----|----|----|------|----|----|
| connector | | | | Ø | Ø | Ø | min. | max. | | | | | | | | | |
| QS-4 | 15 | 0 | 1 | 4 | 3.3 | 15 | 50 | 63 | 17 | 19 | 25 | 4 | 0 | 44 | 22 | 20 | 30 |
| QS-6 | 13 | , | 1 | 6 | J.2 | 1) | 77 | 05 | 17 | 13 | 23 | 4 | , | 45 | 22.5 | 20 | 50 |
| QS-8 | 19 | 13 | 1 | 8 | 3.2 | 19 | 63.5 | 67.5 | 21 | 21 | 29 | 4 | 9 | 57 | 28.5 | 23 | 39 |

| Ordering data | | | | | |
|---------------|---|-------------------------------|----------------------|----------|-------------|
| | Description | Screw-in thread | For tubing O.D. [mm] | Part No. | Туре |
| Q | With QS push-in connector and metric thread with sealing ring | M5 | 4 | 153 532 | LR-M5-QS-4 |
| | | | 6 | 153 533 | LR-M5-QS-6 |
| | With QS push-in connector and PTFE-coated pipe thread | R ¹ /8 | 4 | 153 534 | LR-1/8-QS-4 |
| | | | 6 | 153 535 | LR-1/8-QS-6 |
| | | | 8 | 153 536 | LR-1/8-QS-8 |
| | | R ¹ / ₄ | 6 | 153 537 | LR-1/4-QS-6 |
| | | | 8 | 153 538 | LR-1/4-QS-8 |
| | With QS push-in connector at both ends | - | 4 | 153 540 | LR-QS-4 |
| | | | 6 | 153 541 | LR-QS-6 |
| J. g | | | 8 | 153 542 | LR-QS-8 |
| | | | | | |

Pressure regulators LRMA, with pressure gauge Technical data



Function





- Minimal dimensions
- Constant output pressure
- Version with pressure gauge
- Screw-in thread M5 ... R1/4 or push-in connector \varnothing 4 ... 8 mm



| General technical data | | | |
|-------------------------|---------------------------------|---|--|
| Design | | Directly actuated piston regulator with through pressure supply | |
| Regulating function | | With secondary venting, output pressure constant | |
| Actuator lock | | Knurled screw with lock nut | |
| Mounting position | | Any | |
| With QS push-in connect | or and metric thread with seali | ng ring | |
| Type of mounting | | Can be screwed in | |
| Materials | Housing | Polybutylene terephthalate | |
| | Threaded plug | Nickel plated brass | |
| With QS push-in connect | or and PTFE-coated pipe thread | | |
| Type of mounting | | Can be screwed in | |
| Materials | Housing | Polybutylene terephthalate | |
| | Threaded plug | Nickel plated brass | |
| | Threaded seal | Polytetrafluoroethylene | |
| | | | |
| With QS push-in connect | or at both ends | | |
| Type of mounting | | Via through-holes | |
| Materials | Housing | Polybutylene terephthalate | |

| Operating and environmental conditions | | | | | | | |
|--|-------|---|--|--|--|--|--|
| Operating medium | | Filtered compressed air, lubricated or unlubricated | | | | | |
| Input pressure | [bar] | 0 9 | | | | | |
| Pressure regulation range | [bar] | 1 8 | | | | | |
| Ambient temperature | [°C] | 0 60 | | | | | |

| Weights [g] | | | | | | | | | |
|---|-----------------------------|-------------------|-------------------------------|--|--|--|--|--|--|
| Screw-in thread | M5 | R ¹ /8 | R ¹ / ₄ | | | | | | |
| With QS push-in connector and metric thread with sealing ring | | | | | | | | | |
| QS-4 | QS-4 28 | | | | | | | | |
| QS-6 | 28 | _ | _ | | | | | | |
| | | | | | | | | | |
| With QS push-in connector a | and PTFE-coated pipe thread | | | | | | | | |
| QS-4 | _ | 54.5 | - | | | | | | |
| QS-6 | _ | 54.5 | 55 | | | | | | |
| QS-8 | _ | 83.5 | 83.5 | | | | | | |

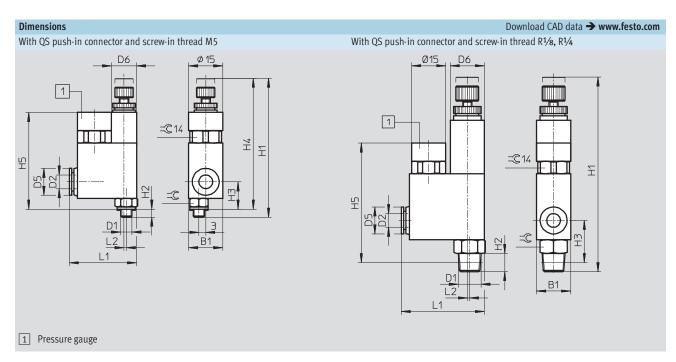
| Weights [g] | Neights [g] | | | | | | | | |
|--|-------------|--|--|--|--|--|--|--|--|
| With QS push-in connector at both ends | | | | | | | | | |
| QS-4 | 45 | | | | | | | | |
| QS-6 | 45 | | | | | | | | |
| QS-8 | 68 | | | | | | | | |

Pressure regulators LRMA, with pressure gauge Technical data



| Standard nominal flow rate | Standard nominal flow rate [l/min] | | | | | | | | | |
|---|------------------------------------|-----|-------------------------------|--|--|--|--|--|--|--|
| Screw-in thread | M5 | R½8 | R ¹ / ₄ | | | | | | | |
| With QS push-in connector and metric thread with sealing ring | | | | | | | | | | |
| QS-4 36 | | | | | | | | | | |
| QS-6 | 42 | - | _ | | | | | | | |
| | | | | | | | | | | |
| With QS push-in connector | and PTFE-coated pipe thread | | | | | | | | | |
| QS-4 | _ | 60 | _ | | | | | | | |
| QS-6 | - | 75 | 96 | | | | | | | |
| QS-8 | - | 87 | 97 | | | | | | | |

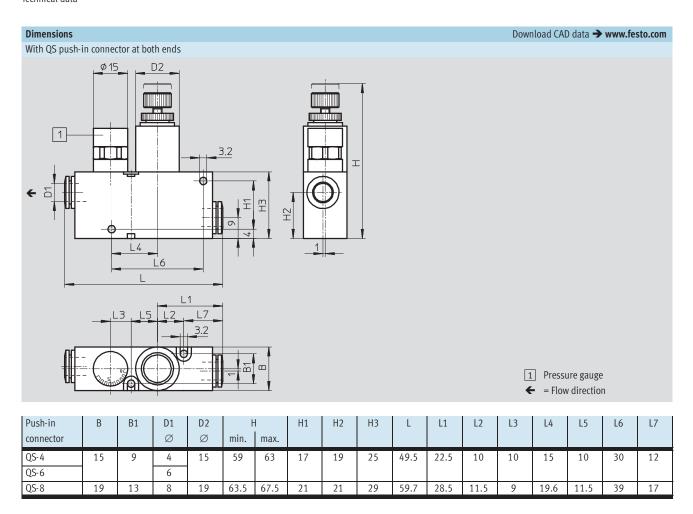
| Standard nominal flow rate | Standard nominal flow rate [l/min] | | | | | | | |
|--|------------------------------------|--|--|--|--|--|--|--|
| With QS push-in connector at both ends | | | | | | | | |
| QS-4 | 50 | | | | | | | |
| QS-6 | 76 | | | | | | | |
| QS-8 | 124 | | | | | | | |



| Screw-in thread | D2 | B1 | D5 | D6 | Н | 1 | H2 | Н3 | Н | 4 | H5 | L1 | L2 | =© |
|-------------------------------|----|------|------|----|------|------|-----|------|------|------|------|------|-----|----|
| D1 | Ø | | Ø | Ø | min. | max. | | | min. | max. | | | | |
| M5 | 4 | 15.1 | 9.8 | 11 | 57.1 | 61.2 | 3.5 | 11.8 | 53.6 | 57.7 | 42.8 | 28 | 1.1 | 8 |
| | 6 | 15.1 | 11.8 | 11 | 57.1 | 61.2 | 3.5 | 11.8 | 53.6 | 57.7 | 42.8 | 28.1 | 1.1 | 8 |
| R ¹ /8 | 4 | 15.1 | 10 | 15 | 77.5 | 81.5 | 8 | 18.5 | - | - | 51.5 | 36 | 0.5 | 12 |
| | 6 | 15.1 | 12 | 15 | 77.5 | 81.5 | 8 | 18.5 | - | - | 51.5 | 36.5 | 0.5 | 12 |
| | 8 | 15 | 14 | 15 | 77.5 | 81.5 | 8 | 18.5 | - | - | 51.5 | 36.5 | 1 | 12 |
| R ¹ / ₄ | 6 | 19 | 12 | 19 | 85.5 | 89.5 | 11 | 22.5 | - | - | 57 | 39.5 | 0.5 | 16 |
| | 8 | 19 | 14 | 19 | 85.5 | 89.5 | 11 | 22.5 | - | - | 57 | 39.5 | 1 | 16 |

Pressure regulators LRMA, with pressure gauge Technical data



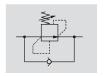


| Ordering data | | | | | |
|---------------|---|--------------------|----------------------|----------|---------------|
| | Description | Screw-in thread | For tubing O.D. [mm] | Part No. | Туре |
| | With QS push-in connector and metric thread with sealing ring | M5 | 4 | 153 488 | LRMA-M5-QS-4 |
| | | | 6 | 153 490 | LRMA-M5-QS-6 |
| | With QS push-in connector and PTFE-coated pipe thread | R1/8 | 4 | 153 489 | LRMA-1/8-QS-4 |
| | | | 6 | 153 491 | LRMA-1/8-QS-6 |
| | | | 8 | 153 493 | LRMA-1/8-QS-8 |
| • | | R1/4 | 6 | 153 492 | LRMA-1/4-QS-6 |
| | | | 8 | 153 494 | LRMA-1/4-QS-8 |
| | With QS push-in connector at both ends | - | 4 | 153 495 | LRMA-QS-4 |
| - Car 340 | | | 6 | 153 496 | LRMA-QS-6 |
| | | | 8 | 153 497 | LRMA-QS-8 |
| | | ı | 1 | | |

Differential pressure regulators LRL/LRLL Technical data

FESTO

Function





- Minimal dimensions
- Constant differential pressure between the input and output
- \bullet With screw-in thread M5 ... $R^{1/2}$ or push-in connector Ø 4 ... 12 mm



| General technical data | General technical data | | | | | | | |
|------------------------|------------------------|---|--|--|--|--|--|--|
| Regulating function | | With return flow, differential pressure constant | | | | | | |
| Design | | Directly actuated piston regulator with through pressure supply | | | | | | |
| Actuator lock | | Knurled screw with lock nut | | | | | | |
| Type of mounting | | Can be screwed in | | | | | | |
| Mounting position | | Any | | | | | | |
| Materials | Housing | Polybutylene terephthalate | | | | | | |
| | Threaded plug | Nickel plated brass | | | | | | |
| | Threaded seal | Polytetrafluoroethylene | | | | | | |

| Operating and environmental conditions | | | | | | | |
|--|-------|---|--|--|--|--|--|
| Operating medium | | Filtered compressed air, lubricated or unlubricated | | | | | |
| Input pressure | [bar] | 09 | | | | | |
| Pressure regulation range | [bar] | 18 | | | | | |
| Ambient temperature | [°C] | 060 | | | | | |

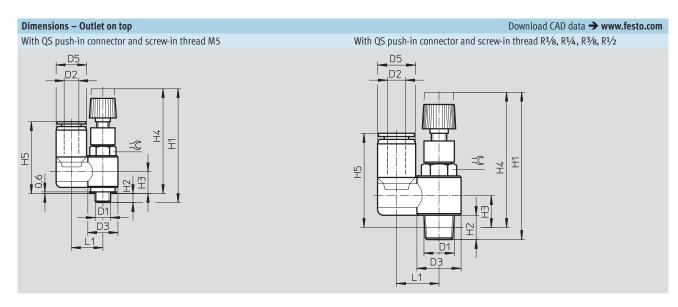
| Standard nominal flow r | ate [l/min] | | | | | | | | | |
|-------------------------|-------------|--------|------|-------------------------------|------|--------|------|-------------------------------|------|--------|
| Screw-in thread | M5 | M5 | | R ¹ / ₈ | | R1/4 | | R ³ / ₈ | | |
| | open | closed | open | closed | open | closed | open | closed | open | closed |
| Outlet on top | | | | | | | | | | |
| QS-4 | 30 | 30 | 96 | 93 | _ | - | - | - | - | - |
| QS-6 | 30 | 30 | 115 | 115 | 241 | 240 | - | - | - | _ |
| QS-8 | - | - | 120 | 115 | 224 | 224 | 463 | 393 | - | _ |
| QS-10 | - | - | - | - | 231 | 231 | 476 | 423 | - | - |
| QS-12 | - | _ | - | - | - | - | 438 | 379 | 760 | 730 |
| | | | • | | | | | | | • |
| Outlet on the side | | | | | | | | | | |
| QS-4 | 30 | 30 | 100 | 96 | - | - | - | - | - | - |
| QS-6 | 32 | 31 | 155 | 140 | 267 | 266 | - | - | - | - |
| QS-8 | - | - | 115 | 110 | 268 | 264 | 474 | 340 | - | - |
| QS-10 | - | - | - | - | 269 | 262 | 456 | 411 | - | - |
| QS-12 | - | - | - | - | - | - | 518 | 423 | 730 | 700 |

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Differential pressure regulators LRL/LRLL Technical data



| Weights [g] | | | | | |
|-----------------------|-----|------|------|-------------------|-------------------------------|
| Screw-in thread | M5 | R1/8 | R1/4 | R ³ /8 | R ¹ / ₂ |
| Outlet on top (LRL) | | | | | |
| QS-4 | 9.5 | 20 | - | - | - |
| QS-6 | 11 | 21.5 | 37.5 | - | _ |
| QS-8 | - | 22.5 | 39 | 68.5 | - |
| QS-10 | - | - | 42.5 | 72 | - |
| QS-12 | - | - | - | 76 | 108 |
| | | | | | |
| Outlet on side (LRLL) | | | | | |
| QS-4 | 8.8 | 19 | - | - | - |
| QS-6 | 9.8 | 20 | 36.5 | - | - |
| QS-8 | - | 21.5 | 37.5 | 66.5 | - |
| QS-10 | - | - | 41.5 | 69 | - |
| QS-12 | - | - | - | 73 | 105 |

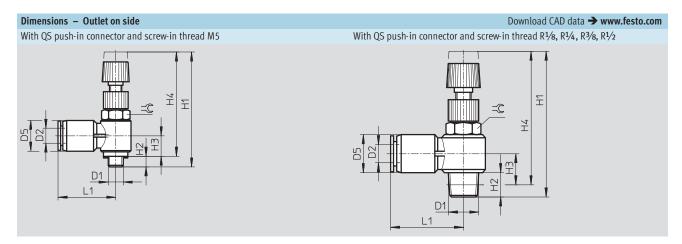


| Screw-in thread | D2 | D3 | D5 | Н | 1 | H2 | Н3 | H | 4 | H5 | L1 | =© |
|-------------------------------|----|------|------|------|------|------|------|------|------|------|------|----|
| D1 | Ø | Ø | Ø | | | | | | | | | |
| | | | | min. | max. | | | min. | max. | | | |
| M5 | 4 | 9.8 | 10.2 | 35.2 | 38.3 | 2.9 | 6.7 | 32.3 | 35.4 | 23.9 | 10.5 | 8 |
| | 6 | 9.8 | 12.6 | 35.2 | 38.3 | 2.9 | 6.7 | 32.3 | 35.4 | 26 | 12.2 | 8 |
| R ¹ /8 | 4 | 14.4 | 10.2 | 43.7 | 48.2 | 8 | 10.9 | 39.7 | 44.2 | 28.9 | 13 | 10 |
| | 6 | 14.4 | 12.6 | 43.7 | 48.2 | 8 | 10.9 | 39.7 | 44.2 | 31 | 14.2 | 10 |
| | 8 | 14.4 | 14.6 | 43.7 | 48.2 | 8 | 10.9 | 39.7 | 44.2 | 32.4 | 15.3 | 10 |
| R ¹ / ₄ | 6 | 18.4 | 12.6 | 47.8 | 52.3 | 11.1 | 12 | 41.8 | 46.2 | 32.1 | 17.2 | 14 |
| | 8 | 18.4 | 14.6 | 47.8 | 52.3 | 11.1 | 12 | 41.8 | 46.2 | 33.6 | 18.2 | 14 |
| | 10 | 18.4 | 17.8 | 47.8 | 52.3 | 11.1 | 12 | 41.8 | 46.2 | 35.9 | 19.8 | 14 |
| R ³ /8 | 8 | 22 | 14.6 | 54.5 | 59 | 13.2 | 15.4 | 48.2 | 52.6 | 37.8 | 19.2 | 19 |
| | 10 | 22 | 17.8 | 54.5 | 59 | 13.2 | 15.4 | 48.2 | 52.6 | 40.1 | 20.2 | 19 |
| | 12 | 22 | 21.2 | 54.5 | 59 | 13.2 | 15.4 | 48.2 | 52.6 | 42.8 | 23.4 | 24 |
| R ¹ / ₂ | 12 | 28 | 21.2 | 59.8 | 64.3 | 16 | 18.2 | 51.6 | 56.1 | 47 | 23.4 | 24 |

Differential pressure regulators LRLL Technical data



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| Screw-in thread | D2 | D5 | Н | 1 | H2 | Н3 | Н | 4 | L1 | =© |
|-------------------------------|----|------|------|------|------|------|------|------|------|----|
| D1 | Ø | Ø | min. | max. | | | min. | max. | | |
| M5 | 4 | 9.9 | 35.7 | 38.8 | 3.4 | 7.1 | 32.3 | 35.4 | 19.9 | 8 |
| | 6 | 12.4 | 35.7 | 38.8 | 3.4 | 8.3 | 32.3 | 35.4 | 24 | 8 |
| R1/8 | 4 | 10 | 44.5 | 48.5 | 8 | 9.5 | 40.5 | 44.5 | 21.5 | 10 |
| | 6 | 12.5 | 44.5 | 48.5 | 8 | 10.5 | 40.5 | 44.5 | 23.5 | 10 |
| | 8 | 14.5 | 44.5 | 48.5 | 8 | 11.5 | 40.5 | 44.5 | 27 | 10 |
| R1/4 | 6 | 12.5 | 48.5 | 52 | 11.5 | 12 | 42.5 | 46 | 25.5 | 14 |
| | 8 | 14.5 | 48.5 | 52 | 11.5 | 13 | 42.5 | 46 | 28.5 | 14 |
| | 10 | 17.5 | 48.5 | 52 | 18.5 | 15 | 42.5 | 46 | 31 | 14 |
| R ³ / ₈ | 8 | 14.5 | 56 | 59 | 13 | 15 | 49.5 | 52.5 | 29 | 19 |
| | 10 | 17.5 | 56 | 59 | 13 | 16.5 | 49.5 | 52.5 | 31 | 19 |
| | 12 | 21 | 56 | 59 | 13 | 18 | 49.5 | 52.5 | 37 | 24 |
| R ¹ / ₂ | 12 | 21 | 62 | 64.5 | 16 | 19.5 | 54 | 56.5 | 36.5 | 24 |

Differential pressure regulators LRL/LRLL Technical data



| Ordering data | | | | | |
|--------------------|-------------------------------------|-------------------------------|-----------------|----------|----------------|
| Circuit symbol | Description | Threaded connection | For tubing O.D. | Part No. | Туре |
| | | | [mm] | | |
| Outlet on top | | | | | |
| | With QS push-in connector | M5 | 4 | 153 510 | LRL-M5-QS-4 |
| | and metric thread with sealing ring | | 6 | 153 512 | LRL-M5-QS-6 |
| | With QS push-in connector | R ¹ / ₈ | 4 | 153 511 | LRL-1/8-QS-4 |
| | and PTFE-coated pipe thread | | 6 | 153 513 | LRL-1/8-QS-6 |
| | | | 8 | 153 515 | LRL-1/8-QS-8 |
| | | R1/4 | 6 | 153 514 | LRL-1/4-QS-6 |
| | | | 8 | 153 516 | LRL-1/4-QS-8 |
| | | | 10 | 153 518 | LRL-1/4-QS-10 |
| | | R3/8 | 8 | 153 517 | LRL-3/8-QS-8 |
| | | | 10 | 153 519 | LRL-3/8-QS-10 |
| | | | 12 | 153 520 | LRL-3/8-QS-12 |
| | | R1/2 | 12 | 153 521 | LRL-1/2-QS-12 |
| | · | <u>.</u> | | | |
| Outlet on the side | | | | | |
| | With QS push-in connector | M5 | 4 | 153 498 | LRLL-M5-QS-4 |
| | and metric thread with sealing ring | | 6 | 153 500 | LRLL-M5-QS-6 |
| | With QS push-in connector | R ¹ /8 | 4 | 153 499 | LRLL-1/8-QS-4 |
| | and PTFE-coated pipe thread | | 6 | 153 501 | LRLL-1/8-QS-6 |
| | | | 8 | 153 503 | LRLL-1/8-QS-8 |
| | | R1/4 | 6 | 153 502 | LRLL-1/4-QS-6 |
| | | | 8 | 153 504 | LRLL-1/4-QS-8 |
| | | | 10 | 153 506 | LRLL-1/4-QS-10 |
| | | R ³ /8 | 8 | 153 505 | LRLL-3/8-QS-8 |
| | | | 10 | 153 507 | LRLL-3/8-QS-10 |
| | | | 12 | 153 508 | LRLL-3/8-QS-12 |
| | | R ¹ / ₂ | 12 | 153 509 | LRLL-1/2-QS-12 |