FESTO



Characteristics

At a glance

- Also suitable for front panel mounting
- Two pressure gauge connections for variable installation
- High flow rate performance
- Two pressure control ranges: 0.5 ... 7 bar and 0.5 ... 12 bar
- Setting values are secured by locking the rotary knob
- Return flow option for exhausting from output 2 to input 1 already integrated
- Optional pressure sensor

Version

[D] D series, metal

Sturdy in full metal design for the specific requirements of the process automation industry

Pressure gauge

[]

With pressure gauge

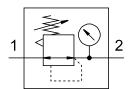


Without pressure gauge



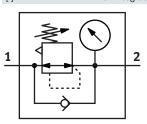
Additional function

_] None



[1]

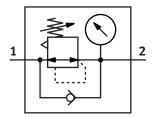
With integrated non-return function



With pressure gauge

[DI]

Directly actuated pressure regulator with integrated return flow function



With pressure gauge

With pressure gauge

Type code

001	Series
LR	Pressure regulator
LRS	Pressure regulator, lockable
002	Pneumatic connection
	None
1/8	Female thread G1/8
1/4	Female thread G1/4
3/8	Female thread G3/8
1/2	Female thread G1/2
3/4	Female thread G3/4
1	Female thread G1
003	Version
D	D series, metal

004	Pressure regulation range	
	0.5 12 bar (0.05 1.2 MPa)	
7	0.5 7 bar (0.05 0.7 MPa)	
005	Pressure gauge	
	With pressure gauge	
0	Without pressure gauge	
006	Additional function	
	None	
1	With integrated non-return function	
1	with integrated non-return function	
DI	Directly actuated pressure regulator with integrated return flow function	
DI	Directly actuated pressure regulator with integrated return flow	
	Directly actuated pressure regulator with integrated return flow function	
007	Directly actuated pressure regulator with integrated return flow function Size	

Datasheet

General technical data									
Pneumatic connection, port 1	G1/8	G1/4	G3/8	G1/2	G3/4	G1			
Pneumatic connection, port 2	G1/8	G1/4	G3/8	G1/2	G3/4	G1			
Size	Mini	Midi, Mini		Maxi, Midi		Maxi			
Design	Directly actuated diaphra	agm regulator		Directly actuated diaphragm regulator Piloted piston regulator					
Controller function	Output pressure constant Via primary pressure compensation With secondary venting With return flow function								
Type of mounting	Front panel mounting In-line installation With accessories	Front panel mounting In-line installation							
Mounting position	optional								
Actuator lock	Rotary knob with detent Rotary knob with integrated lock								
Pressure regulation range	0.5 12 bar								
Max. pressure hysteresis	0.2 bar 0.2 0.4 bar 0.4 bar								
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/8 With pressure gauge With pressure gauge Prepared for G1/4 With pressure gauge With pressure gauge With pressure gauge								

Operating and environmental conditions

Operating pressure	0 1.6 MPa					
Operating pressure	0 16 bar					
Operating pressure	0 232 psi					
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4], Inert gases					
Note on operating and pilot	ubricated operation possible (in which case lubricated operation will always be required)					
medium						
Ambient temperature	-10 60°C					
Media temperature	-10 60°C					
Corrosion resistance class	2 - Moderate corrosion stress					
CRC ¹⁾						

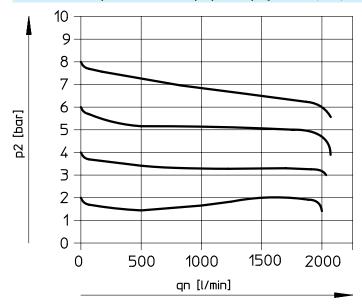
¹⁾ More information www.festo.com/x/topic/crc

Materials

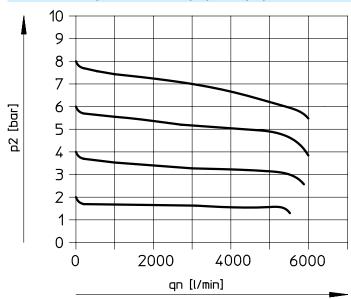
Material housing	Die-cast zinc
Material membrane	NBR
Material sub-base	Die-cast zinc
Material seals	NBR
Note on materials	RoHS-compliant RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Datasheet

Standard flow rate qn as a function of output pressure p2 (p1 = 10 bar) - LR/LRS-1/4-D-MINI

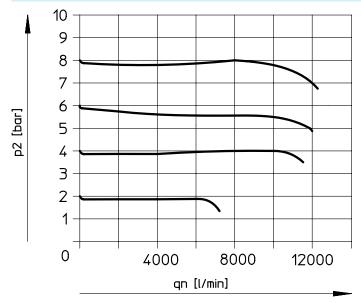


Standard flow rate qn as a function of output pressure p2 (p1 = 10 bar) – LR/LRS-1/2-D-MIDI

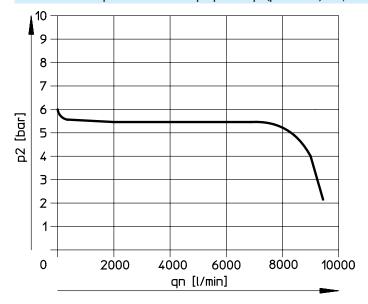


Datasheet

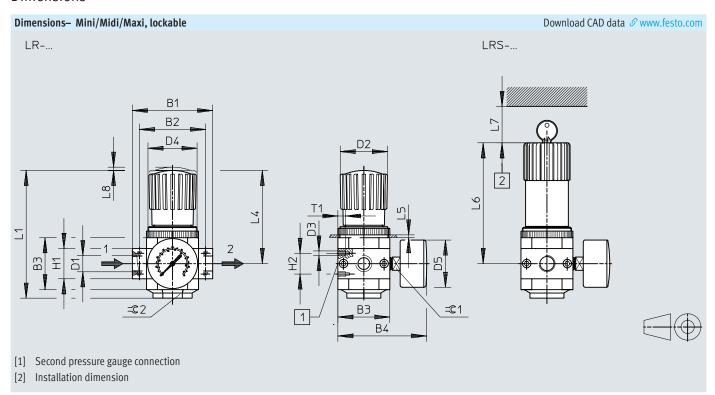
Standard flow rate qn as a function of output pressure p2 (p1 = 10 bar) – LR/LRS-1-D-MAXI



Standard flow rate qn as a function of output pressure p2 (p1 = 10 bar) - LR/LRS-1-D-DI-MAXI



Dimensions



	B1	B2	В3	B4	D1	D2 Ø	D3	D4	D5 Ø
LR/LRS-1/8-D-(I)-MINI	64				G1/8				
LR/LRS-1/4-D-(I)-MINI	64	52	40	76	G1/4	31	M4	M36x1,5	39
LR/LRS-3/8-D-(I)-MINI	70				G3/8				
LR/LRS-1/4-D-(I)-MIDI					G1/4				
LR/LRS-3/8-D-(I)-MIDI	85	70	55	95	G3/8	50	M5	M52x1,5	39
LR/LRS-1/2-D-(I)-MIDI	85	70	25	95	G1/2			W152X1,5	(49) ¹⁾
LR/LRS-3/4-D-(I)-MIDI					G3/4				
LR/LRS-1/2-D-MAXI				106	G1/2	31		M36x1,5	
LR/LRS-1/2-D-DI-MAXI	96	80		105	G1/2	49		M52x1,5	
LR/LRS-3/4-D-MAXI	96	80	66	106	G3/4	31	M5	M36x1,5	39
LR/LRS-3/4-D-DI-MAXI			66	105	U 3/4	49	1812	M52x1,5	(49) ¹⁾
LR/LRS-1-D-MAXI	116	91		106	G1	31		M36x1,5	
LR/LRS-1-D-DI-MAXI	110	91		105	91	49		M52x1,5	

	H1	H2	L1	L4	L5 max.	L6	L7	T1	= © 1	=© 2
LR/LRS-1/8-D-(I)-MINI LR/LRS-1/4-D-(I)-MINI LR/LRS-3/8-D-(I)-MINI	20	11	95	68	3	98	60	7	14	17
LR/LRS-1/4-D-(I)-MIDI LR/LRS-3/8-D-(I)-MIDI LR/LRS-1/2-D-(I)-MIDI LR/LRS-3/4-D-(I)-MIDI	32	22	135	99	5	130	60	8	14	36
LR/LRS-1/2-D-MAXI LR/LRS-1/2-D-DI-MAXI	32 32		125 148	82 105		111 135				
LR/LRS-3/4-D-MAXI	32	22	125	82	4	111	60	8	14	22
LR/LRS-3/4-D-DI-MAXI LR/LRS-1-D-MAXI	36 40		148 125	105 82		135 111				
LR/LRS-1-D-DI-MAXI	41		148	105		135				

¹⁾ Pressure gauge with outer scale in MPa and inner scale in bar

²⁾ Note: This product complies with ISO 1179-1 and ISO 228-1.

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Type
Maxi		0.5 12 bar	11,500 l/min		546436	LR-D-MAXI
	G1/2	0.5 7 bar	10,700 l/min	1,200 g	186457	LR-1/2-D-7-MAXI
		0.5 12 bar	10,500 l/min	800 g	186455	LR-1/2-D-MAXI
	G3/4	0.5 7 bar	12,000 l/min	1,200 g	162588	LR-3/4-D-7-MAXI
		0.5 12 bar	11,000 l/min	800 g	159626	LR-3/4-D-MAXI
	G1	0.5 7 bar	12,500 l/min	1,200 g	162589	LR-1-D-7-MAXI
		0.5 12 bar	11,500 l/min	800 g	159627	LR-1-D-MAXI
Midi	G1/4	0.5 7 bar	2,200 l/min	720 g	186453	LR-1/4-D-7-MIDI
		0.5 12 bar	2,100 l/min		186451	LR-1/4-D-MIDI
	G3/8	0.5 7 bar	3,300 l/min		162585	LR-3/8-D-7-MIDI
		0.5 12 bar	3,200 l/min		159580	LR-3/8-D-MIDI
	G1/2	0.5 7 bar	4,000 l/min		162586	LR-1/2-D-7-MIDI
		0.5 12 bar	3,500 l/min		159581	LR-1/2-D-MIDI
	G3/4	0.5 7 bar	4,500 l/min		162587	LR-3/4-D-7-MIDI
		0.5 12 bar	3,500 l/min		162581	LR-3/4-D-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	350 g	162582	LR-1/8-D-7-MINI
		0.5 12 bar	800 l/min	7	159624	LR-1/8-D-MINI
	G1/4	0.5 7 bar	1,600 l/min	7	162583	LR-1/4-D-7-MINI
		0.5 12 bar	1,500 l/min	7	159625	LR-1/4-D-MINI
	G3/8	0.5 7 bar	1,800 l/min	7	162584	LR-3/8-D-7-MINI
		0.5 12 bar	1,700 l/min		162580	LR-3/8-D-MINI

Size	Pneumatic connec-		Standard nominal	, , , 	Part no.	Pa, inner scale in bar – only available in Asia)
Size		Pressure regulation	flow rate (standard-	Product weight	Pail IIO.	Туре
	tion, port 1	range	ised to DIN 1343)			
Maxi	G1/2	0.5 7 bar	10,700 l/min	1,200 g	8002371	LR-1/2-D-7-MAXI-MPA
		0.5 12 bar	10,500 l/min	800 g	8002370	LR-1/2-D-MAXI-MPA
	G3/4	0.5 7 bar	12,000 l/min	1,200 g	8002294	LR-3/4-D-7-MAXI-MPA
		0.5 12 bar	11,000 l/min	800 g	8002276	LR-3/4-D-MAXI-MPA
	G1	0.5 7 bar	12,500 l/min	1,200 g	8002295	LR-1-D-7-MAXI-MPA
		0.5 12 bar	11,500 l/min	800 g	8002277	LR-1-D-MAXI-MPA
Midi	G1/4	0.5 7 bar	2,200 l/min	720 g	8002369	LR-1/4-D-7-MIDI-MPA
		0.5 12 bar	2,100 l/min	7	8002368	LR-1/4-D-MIDI-MPA
	G3/8	0.5 7 bar	3,300 l/min		8002291	LR-3/8-D-7-MIDI-MPA
		0.5 12 bar	3,200 l/min		8002256	LR-3/8-D-MIDI-MPA
	G1/2	0.5 7 bar	4,000 l/min		8002292	LR-1/2-D-7-MIDI-MPA
		0.5 12 bar	3,500 l/min		8002257	LR-1/2-D-MIDI-MPA
	G3/4	0.5 7 bar	4,500 l/min		8002293	LR-3/4-D-7-MIDI-MPA
		0.5 12 bar	3,500 l/min		8002287	LR-3/4-D-MIDI-MPA
Mini	G1/8	0.5 7 bar	1,000 l/min	350 g	8002288	LR-1/8-D-7-MINI-MPA
		0.5 12 bar	800 l/min		8002274	LR-1/8-D-MINI-MPA
	G1/4	0.5 7 bar	1,600 l/min		8002289	LR-1/4-D-7-MINI-MPA
		0.5 12 bar	1,500 l/min		8002275	LR-1/4-D-MINI-MPA
	G3/8	0.5 7 bar	1,800 l/min		8002290	LR-3/8-D-7-MINI-MPA
		0.5 12 bar	1,700 l/min	7	8002286	LR-3/8-D-MINI-MPA

Pressure regula	Pressure regulators LR – rotary knob with latch, connecting plates with threaded connection (without pressure gauge)										
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре					
Maxi	G1/2	0.5 7 bar	10,700 l/min	1,100 g	186458	LR-1/2-D-7-O-MAXI					
		0.5 12 bar	10,500 l/min	700 g	186456	LR-1/2-D-O-MAXI					
	G3/4	0.5 7 bar	12,000 l/min	1,100 g	162604	LR-3/4-D-7-O-MAXI					
		0.5 12 bar	11,000 l/min	700 g	162596	LR-3/4-D-O-MAXI					
	G1	0.5 7 bar	12,500 l/min	1,100 g	162605	LR-1-D-7-O-MAXI					
		0.5 12 bar	11,500 l/min	700 g	162597	LR-1-D-O-MAXI					
Midi	G1/4	0.5 7 bar	2,200 l/min	660 g	186454	LR-1/4-D-7-O-MIDI					

Size	Pneumatic connec-	Pressure regulation	Standard nominal	Product weight	Part no.	Туре
	tion, port 1	range	flow rate (standard- ised to DIN 1343)			
Midi	G1/4	0.5 12 bar	2,100 l/min	660 g	186452	LR-1/4-D-O-MIDI
	G3/8	0.5 7 bar	3,300 l/min		162601	LR-3/8-D-7-O-MIDI
		0.5 12 bar	3,200 l/min		162593	LR-3/8-D-O-MIDI
	G1/2	0.5 7 bar	4,000 l/min		162602	LR-1/2-D-7-O-MIDI
		0.5 12 bar	3,500 l/min]	162594	LR-1/2-D-O-MIDI
	G3/4	0.5 7 bar	4,500 l/min		162603	LR-3/4-D-7-O-MIDI
		0.5 12 bar	3,500 l/min		162595	LR-3/4-D-O-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	300 g	162598	LR-1/8-D-7-O-MINI
		0.5 12 bar	800 l/min		162590	LR-1/8-D-O-MINI
	G1/4	0.5 7 bar	1,600 l/min		162599	LR-1/4-D-7-O-MINI
		0.5 12 bar	1,500 l/min		162591	LR-1/4-D-O-MINI
	G3/8	0.5 7 bar	1,800 l/min		162600	LR-3/8-D-7-O-MINI
		0.5 12 bar	1,700 l/min	7	162592	LR-3/8-D-O-MINI

Pressure regu scale in psi)	lators LR – with integrated rev	verse flow function, rota	ry knob with latch, con	necting plates with th	readed connection	(with pressure gauge, outer scale in bar, inner
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Midi	G1/4	0.5 7 bar	2,200 l/min	720 g	192311	LR-1/4-D-7-I-MIDI
		0.5 12 bar	2,100 l/min		192310	LR-1/4-D-I-MIDI
	G3/8	0.5 7 bar	3,300 l/min		192313	LR-3/8-D-7-I-MIDI
		0.5 12 bar	3,200 l/min	- - - -	192312	LR-3/8-D-I-MIDI
	G1/2	0.5 7 bar	4,000 l/min		192315	LR-1/2-D-7-I-MIDI
		0.5 12 bar	3,500 l/min		192314	LR-1/2-D-I-MIDI
	G3/4	0.5 7 bar	4,500 l/min		192317	LR-3/4-D-7-I-MIDI
		0.5 12 bar	3,500 l/min		192316	LR-3/4-D-I-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	350 g	192299	LR-1/8-D-7-I-MINI
		0.5 12 bar	800 l/min	1	192298	LR-1/8-D-I-MINI
	G1/4	0.5 7 bar	1,600 l/min		192301	LR-1/4-D-7-I-MINI
		0.5 12 bar	1,500 l/min		192300	LR-1/4-D-I-MINI
	G3/8	0.5 7 bar	1,800 l/min		192303	LR-3/8-D-7-I-MINI
		0.5 12 bar	1,700 l/min		192302	LR-3/8-D-I-MINI

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Midi	G1/4	0.5 12 bar	2,100 l/min	720 g	8002394	LR-1/4-D-I-MIDI-MPA
	G3/8	0.5 7 bar	3,300 l/min		8002395	LR-3/8-D-7-I-MIDI-MPA
	G1/2	0.5 12 bar	3,500 l/min		8002396	LR-1/2-D-I-MIDI-MPA
	G3/4				8002397	LR-3/4-D-I-MIDI-MPA
Mini	G1/8	0.5 7 bar	1,000 l/min	350 g	8002389	LR-1/8-D-7-I-MINI-MPA
		0.5 12 bar	800 l/min		8002388	LR-1/8-D-I-MINI-MPA
	G1/4	0.5 7 bar	1,600 l/min		8002391	LR-1/4-D-7-I-MINI-MPA
		0.5 12 bar	1,500 l/min		8002390	LR-1/4-D-I-MINI-MPA
	G3/8	0.5 7 bar	1,800 l/min	7	8002393	LR-3/8-D-7-I-MINI-MPA
		0.5 12 bar	1,700 l/min		8002392	LR-3/8-D-I-MINI-MPA

Pressure regulators L	Pressure regulators LR – with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (without pressure gauge)					
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Midi	G1/4	0.5 7 bar	2,200 l/min	660 g	192319	LR-1/4-D-7-O-I-MIDI
		0.5 12 bar	2,100 l/min		192318	LR-1/4-D-O-I-MIDI
	G3/8	0.5 7 bar	3,300 l/min]	192321	LR-3/8-D-7-O-I-MIDI

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Type
Midi	G3/8	0.5 12 bar	3,200 l/min	660 g	192320	LR-3/8-D-O-I-MIDI
	G1/2	0.5 7 bar	4,000 l/min		192323	LR-1/2-D-7-O-I-MIDI
		0.5 12 bar	3,500 l/min		192322	LR-1/2-D-O-I-MIDI
	G3/4	0.5 7 bar	4,500 l/min		192325	LR-3/4-D-7-O-I-MIDI
		0.5 12 bar	3,500 l/min		192324	LR-3/4-D-O-I-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	300 g	192305	LR-1/8-D-7-O-I-MINI
		0.5 12 bar	800 l/min		192304	LR-1/8-D-O-I-MINI
	G1/4	0.5 7 bar	1,600 l/min		192307	LR-1/4-D-7-O-I-MINI
		0.5 12 bar	1,500 l/min		192306	LR-1/4-D-O-I-MINI
	G3/8	0.5 7 bar	1,800 l/min		192309	LR-3/8-D-7-O-I-MINI
		0.5 12 bar	1,700 l/min	7	192308	LR-3/8-D-O-I-MINI

	lators LR – directly actuated p scale in bar, inner scale in psi)	•	ntegrated reverse flow	function, rotary knob	with latch, connect	ing plates with threaded connection (with pressure
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Maxi	G1/2	0.5 7 bar	7,300 l/min	1,400 g	192358	LR-1/2-D-7-DI-MAXI
		0.5 12 bar	5,400 l/min		192356	LR-1/2-D-DI-MAXI
	G3/4	0.5 7 bar	8,350 l/min		192362	LR-3/4-D-7-DI-MAXI
		0.5 12 bar	6,800 l/min		192360	LR-3/4-D-DI-MAXI
	G1	0.5 7 bar	8,400 l/min		192366	LR-1-D-7-DI-MAXI
		0.5 12 har	7 000 I/min		192364	I R-1-D-DI-MAXI

Pressure regulators LR – directly actuated pressure regulator with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (with pressure gauge, outer scale in MPa, inner scale in bar – only available in Asia)

(with pressure gauge,	with pressure gauge, outer scale in MPa, inner scale in bar – only available in Asia)					
Size	Pneumatic connec-	Pressure regulation	Standard nominal	Product weight	Part no.	Туре
	tion, port 1	range	flow rate (standard-			
			ised to DIN 1343)			
Maxi	G3/4	0.5 12 bar	6,800 l/min	1,400 g	8002398	LR-3/4-D-DI-MAXI-MPA

Pressure regul	Pressure regulators LR – directly actuated with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (without pressure gauge)					
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Maxi	G1/2	0.5 7 bar	7,300 l/min	1,330 g	192359	LR-1/2-D-7-O-DI-MAXI
		0.5 12 bar	5,400 l/min]	192357	LR-1/2-D-O-DI-MAXI
	G3/4	0.5 7 bar	8,350 l/min		192363	LR-3/4-D-7-O-DI-MAXI
		0.5 12 bar	6,800 l/min		192361	LR-3/4-D-O-DI-MAXI
	G1	0.5 7 bar	8,400 l/min	1	192367	LR-1-D-7-O-DI-MAXI
		0.5 12 bar	7,000 l/min		192365	LR-1-D-O-DI-MAXI

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Maxi	G1/2	0.5 7 bar	10,700 l/min	1,288 g	194660	LRS-1/2-D-7-MAXI
		0.5 12 bar	10,500 l/min	888 g	194658	LRS-1/2-D-MAXI
	G3/4	0.5 7 bar	12,000 l/min	1,288 g	194662	LRS-3/4-D-7-MAXI
		0.5 12 bar	11,000 l/min	888 g	194664	LRS-3/4-D-MAXI
	G1	0.5 7 bar	12,500 l/min	1,288 g	194668	LRS-1-D-7-MAXI
		0.5 12 bar	11,500 l/min	888 g	194666	LRS-1-D-MAXI
Midi	G1/4	0.5 7 bar	2,200 l/min	1,250 g	194630	LRS-1/4-D-7-MIDI
		0.5 12 bar	2,100 l/min		194626	LRS-1/4-D-MIDI
	G3/8	0.5 7 bar	3,300 l/min		194638	LRS-3/8-D-7-MIDI
		0.5 12 bar	3,200 l/min	7	194634	LRS-3/8-D-MIDI
	G1/2	0.5 7 bar	4,000 l/min		194646	LRS-1/2-D-7-MIDI
		0.5 12 bar	3,500 l/min	7	194642	LRS-1/2-D-MIDI

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Midi	G3/4	0.5 7 bar	4,500 l/min	1,250 g	194656	LRS-3/4-D-7-MIDI
		0.5 12 bar	3,500 l/min]	194650	LRS-3/4-D-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	520 g	194606	LRS-1/8-D-7-MINI
		0.5 12 bar	800 l/min	500 g	194602	LRS-1/8-D-MINI
	G1/4	0.5 7 bar	1,600 l/min	520 g	194614	LRS-1/4-D-7-MINI
		0.5 12 bar	1,500 l/min	500 g	194610	LRS-1/4-D-MINI
	G3/8	0.5 7 bar	1,800 l/min	520 g	194622	LRS-3/8-D-7-MINI
		0.5 12 bar	1,700 l/min	500 g	194618	LRS-3/8-D-MINI

Pressure regulator, lockable LRS – rotary knob with latch, connecting plates with threaded connection (with pressure gauge, outer scale in MPa, inner scale in bar – only available in Asia)						
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Mini	G1/8	0.5 12 bar	800 l/min	500 g	8037013	LRS-1/8-D-MINI-MPA
	G1/4	0.5 7 bar	1,600 l/min	520 g	8037015	LRS-1/4-D-7-MINI-MPA

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Maxi	G1/2	0.5 7 bar	10,700 l/min	1,215 g	194661	LRS-1/2-D-7-O-MAXI
		0.5 12 bar	10,500 l/min	815 g	194659	LRS-1/2-D-O-MAXI
	G3/4	0.5 7 bar	12,000 l/min	1,215 g	194663	LRS-3/4-D-7-O-MAXI
		0.5 12 bar	11,000 l/min	815 g	194665	LRS-3/4-D-O-MAXI
	G1	0.5 7 bar	12,500 l/min	1,215 g	194669	LRS-1-D-7-O-MAXI
		0.5 12 bar	11,500 l/min	815 g	194667	LRS-1-D-O-MAXI
Midi	G1/4	0.5 7 bar	2,200 l/min	1,180 g	194632	LRS-1/4-D-7-O-MIDI
		0.5 12 bar	2,100 l/min	7	194628	LRS-1/4-D-O-MIDI
	G3/8	0.5 7 bar	3,300 l/min		194640	LRS-3/8-D-7-O-MIDI
		0.5 12 bar	3,200 l/min	1	194636	LRS-3/8-D-O-MIDI
	G1/2	0.5 7 bar	4,000 l/min		194648	LRS-1/2-D-7-O-MIDI
		0.5 12 bar	3,500 l/min	7	194644	LRS-1/2-D-O-MIDI
	G3/4	0.5 7 bar	4,500 l/min	7	194654	LRS-3/4-D-7-O-MIDI
		0.5 12 bar	3,500 l/min		194652	LRS-3/4-D-O-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	470 g	194608	LRS-1/8-D-7-O-MINI
		0.5 12 bar	800 l/min	450 g	194604	LRS-1/8-D-O-MINI
	G1/4	0.5 7 bar	1,600 l/min	470 g	194616	LRS-1/4-D-7-O-MINI
		0.5 12 bar	1,500 l/min	450 g	194612	LRS-1/4-D-O-MINI
	G3/8	0.5 7 bar	1,800 l/min	470 g	194624	LRS-3/8-D-7-O-MINI
		0.5 12 bar	1,700 l/min	450 g	194620	LRS-3/8-D-O-MINI

Pressure regulator, lockable LRS – with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (with pressure gauge, outer scale in bar, inner scale in psi)

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Midi	G1/4	0.5 7 bar	2,200 l/min	1,250 g	194631	LRS-1/4-D-7-I-MIDI
		0.5 12 bar	2,100 l/min		194627	LRS-1/4-D-I-MIDI
	G3/8	0.5 7 bar	3,300 l/min		194639	LRS-3/8-D-7-I-MIDI
		0.5 12 bar	3,200 l/min		194635	LRS-3/8-D-I-MIDI
	G1/2	0.5 7 bar	4,000 l/min		194647	LRS-1/2-D-7-I-MIDI
		0.5 12 bar	3,500 l/min		194643	LRS-1/2-D-I-MIDI
	G3/4				194651	LRS-3/4-D-I-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	500 g	194607	LRS-1/8-D-7-I-MINI
		0.5 12 bar	800 l/min		194603	LRS-1/8-D-I-MINI
	G1/4	0.5 7 bar	1,600 l/min		194615	LRS-1/4-D-7-I-MINI

Pressure regulator, lockable LRS – with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (with pressure gauge, outer scale in bar,
inner scale in psi)

inner scale in psi)									
Size	Pneumatic connec-	Pressure regulation	Standard nominal	Product weight	Part no.	Туре			
	tion, port 1	range	flow rate (standard- ised to DIN 1343)						
Mini	G1/4	0.5 12 bar	1,500 l/min	500 g	194611	LRS-1/4-D-I-MINI			
	G3/8	0.5 7 bar	1,800 l/min		194623	LRS-3/8-D-7-I-MINI			
		0.5 12 bar	1,700 l/min		194619	LRS-3/8-D-I-MINI			

Pressure regulator, lockable LRS – with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (with pressure gauge, outer scale in MPa, inner scale in bar – only available in Asia)

MPa, inner scale in b	MPA, Inner scale in dar – only available in Asia)									
Size	Pneumatic connec-	Pressure regulation	Standard nominal	Product weight	Part no.	Туре				
	tion, port 1	range	flow rate (standard-							
			ised to DIN 1343)							
Mini	G1/8	0.5 7 bar	1,000 l/min	500 g	8037014	LRS-1/8-D-7-I-MINI-MPA				
		0.5 12 bar	800 l/min		8002400	LRS-1/8-D-I-MINI-MPA				
	G1/4	0.5 7 bar	1,600 l/min		8037016	LRS-1/4-D-7-I-MINI-MPA				

Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре
Midi	G1/4	0.5 7 bar	2,200 l/min	1,180 g	194633	LRS-1/4-D-7-O-I-MIDI
		0.5 12 bar	2,100 l/min	7	194629	LRS-1/4-D-O-I-MIDI
	G3/8	0.5 7 bar	3,300 l/min	1	194641	LRS-3/8-D-7-O-I-MIDI
		0.5 12 bar	3,200 l/min	7	194637	LRS-3/8-D-O-I-MIDI
	G1/2	0.5 7 bar	4,000 l/min	-	194649	LRS-1/2-D-7-O-I-MIDI
		0.5 12 bar	3,500 l/min		194645	LRS-1/2-D-O-I-MIDI
	G3/4	0.5 7 bar	4,500 l/min		194655	LRS-3/4-D-7-O-I-MIDI
		0.5 12 bar	3,500 l/min	7	194653	LRS-3/4-D-O-I-MIDI
Mini	G1/8	0.5 7 bar	1,000 l/min	450 g	194609	LRS-1/8-D-7-O-I-MINI
		0.5 12 bar	800 l/min	7	194605	LRS-1/8-D-O-I-MINI
	G1/4	0.5 7 bar	1,600 l/min	7	194617	LRS-1/4-D-7-O-I-MINI
		0.5 12 bar	1,500 l/min		194613	LRS-1/4-D-O-I-MINI
	G3/8	0.5 7 bar	1,800 l/min	7	194625	LRS-3/8-D-7-O-I-MINI
		0.5 12 bar	1,700 l/min		194621	LRS-3/8-D-O-I-MINI

Pressure regulator, lockable LRS – directly actuated pressure regulator with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (with pressure gauge, outer scale in bar, inner scale in psi)

(tii prosoure gaage	men pressure gauge, outer seate in but, inner seate in psi)									
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре				
Marri	C1/2	0.5 7 hav	7 200 1/m:n	1 (00 =	10//72	LDC 4/2 D 7 DI MAVI				
Maxi	G1/2	0.5 7 bar	7,300 l/min	1,680 g	194672	LRS-1/2-D-7-DI-MAXI				
		0.5 12 bar	5,400 l/min		194670	LRS-1/2-D-DI-MAXI				
	G3/4	0.5 7 bar	8,350 l/min		194676	LRS-3/4-D-7-DI-MAXI				
		0.5 12 bar	6,800 l/min		194674	LRS-3/4-D-DI-MAXI				
	G1	0.5 7 bar	8,400 l/min		194680	LRS-1-D-7-DI-MAXI				
		0.5 12 bar	7,000 l/min		194678	LRS-1-D-DI-MAXI				

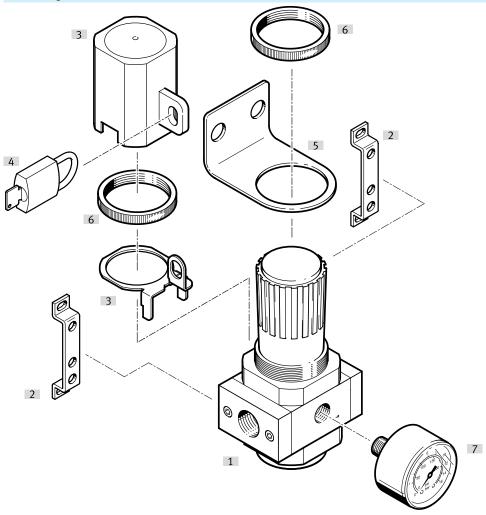
Pressure regulator, lockable LRS – directly actuated with integrated reverse flow function, rotary knob with latch, connecting plates with threaded connection (without pressure gauge)

22-7								
Size	Pneumatic connection, port 1	Pressure regulation range	Standard nominal flow rate (standard- ised to DIN 1343)	Product weight	Part no.	Туре		
Maxi	G1/2	0.5 7 bar	7,300 l/min	1,610 g	194673	LRS-1/2-D-7-O-DI-MAXI		
		0.5 12 bar	5,400 l/min		194671	LRS-1/2-D-O-DI-MAXI		
	G3/4	0.5 7 bar	8,350 l/min		194677	LRS-3/4-D-7-O-DI-MAXI		
		0.5 12 bar	6,800 l/min		194675	LRS-3/4-D-O-DI-MAXI		
	G1	0.5 7 bar	8,400 l/min		194681	LRS-1-D-7-O-DI-MAXI		
		0.5 12 bar	7,000 l/min		194679	LRS-1-D-O-DI-MAXI		

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Peripherals

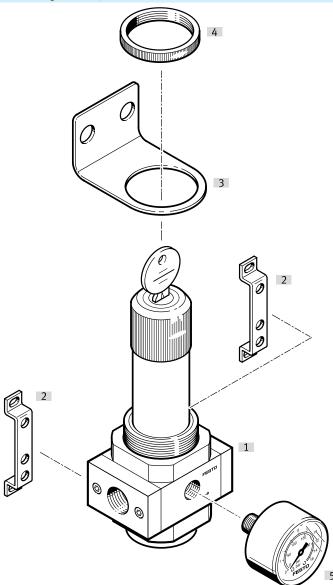
Pressure regulator LR



Access	sories		→ Link
	Type/order code	Description	
[1]	Pressure regulator LR		₿ lr
[2]	Mounting bracket HFOE		15
[3]	Regulator lock LRVS		15
[4]	Padlock LRVS-D		15
[5]	Mounting bracket HR-D		15
[6]	Knurled nut HMR	Included in the scope of delivery	S-
[7]	Pressure gauge MA		15

Peripherals

Pressure regulator LRS, lockable



Access		→ Link	
	Type/order code	Description	
[1]	Pressure regulator LRS		\mathscr{S} lrs
[2]	Mounting bracket HFOE		15
[3]	Mounting bracket HR-D		15
[4]	Knurled nut HMR	Included in the scope of delivery	S-
[5]	Pressure gauge MA		15

Accessories

Mounting bracket HFOE									
	Corrosion resistance class CRC ¹⁾	LABS (PWIS) conformity	Part no.	Туре					
A	2 - Moderate corrosion stress	VDMA24364-B2-L	159593	HFOE-D-MIDI/MAXI					
		VDMA24364-B1/B2-L	159638	HFOE-D-MINI					

¹⁾ More information: www.festo.com/x/topic/kbk

Regulator lock LRVS	LABS (PWIS) conformity	Product weight	Part no.	Туре
	VDMA24364-B1/B2-L	36 g 40 g 56 g 60 g	193784 193781 193783 193782	LRVS-D-DI-MAXI LRVS-D-MINI LRVS-D-MAXI LRVS-D-MIDI

Padlock LRVS-D	Corrosion resistance class CRC 1)	LABS (PWIS) conformity	Note on materials	Product weight	Part no.	Туре
	2 - Moderate corrosion stress	VDMA24364-B1/ B2-L	RoHS-compliant	120 g	193786	LRVS-D

¹⁾ More information: www.festo.com/x/topic/kbk

Mounting bracket HR-D								
	Corrosion resistance class CRC ¹⁾	LABS (PWIS) conformity	Part no.	Туре				
	1 - Low corrosion stress	VDMA24364-B1/B2-L	164936	HR-D-MINI				
0	2 - Moderate corrosion stress		162804	HR-D-MIDI				
			162805	HR-D-MAXI				
			193802	HR-D-DI-MAXI				

¹⁾ More information: www.festo.com/x/topic/kbk

Pressure gauge MA						
	Nominal size of pressure gauge	Pneumatic con- nection	Scale	Product weight	Part no.	Туре
	40	G1/8	Double scale, Bar (outside scale), psi (inner scale) Single scale, MPa		345395 359874 192733	MA-40-16-1/8 MA-40-10-1/8 MA-40-1,6-G1/8-MPA
		G1/4	(outer scale) Double scale, psi		192732 159596	MA-40-1-G1/8-MPA FMA-40-10-1/4-EN
			(inner scale), Bar (outside scale)			
			Double scale, Bar (outside scale), psi (inner scale)	70 g	183900	MA-40-10-G1/4-EN

Accessories

Pressure gauge MA						
	Nominal size of pressure gauge	Pneumatic con- nection	Scale	Product weight	Part no.	Туре
	40	G1/4	Double scale, Bar (outside scale), psi (inner scale)	80 g	159597	FMA-40-16-1/4-EN
		R1/8		60 g	162835	MA-40-10-1/8-EN
	50 G1/4	G1/4		70 g	356759	MA-50-16-1/4
					359873	MA-50-10-1/4
				100 g	159600	FMA-50-16-1/4-EN
					159599	FMA-50-10-1/4-EN
			Single scale, MPa	70 g	192734	MA-50-1-G1/4-MPA
			(outer scale)		192735	MA-50-1,6-G1/4-MPA

	Pneumatic con- nection	Switching output	Display type	Electrical connection 1, connector system	Part no.	Туре
	R1/8	2 x PNP or 2 x NPN, switchable	Illuminated LCD	M12x1, A-coded to EN 61076-2- 101	8001206	SPAU-P10R-T-R18M-L-PNLK-PNVBA-M12D
				M8x1, A-coded, to EN 61076-2- 104	8001203	SPAU-P10R-T-R18M-L-PNLK-PNVBA-M8D
	R1/4			M12x1, A-coded to EN 61076-2- 101	8001208	SPAU-P10R-T-R14M-L-PNLK-PNVBA-M12D
				M8x1, A-coded, to EN 61076-2- 104	8001209	SPAU-P10R-T-R14M-L-PNLK-PNVBA-M8D

Push-in fitting QSF, female thread with	T .	Pneumatic connection, port 2	Product weight	Part no.	Туре
	Female thread G1/4	For tubing outside di- ameter of 8 mm	24 g	★ 153026	QSF-1/4-8-B

Push-in T-fitting QSTF, rotatable 360°, with female and male thread							
	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Туре		
	Male thread G1/4	Female thread G1/4, For tubing outside di- ameter of 8 mm	44 g	186203	QSTF-G1/4-8		

Push-in Y-fitting QSYLV, rotatable 360°, male thread with external hex							
	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Туре		
	Male thread G1/4	For tubing outside di- ameter of 8 mm	48 g	186210	Q\$YLV-G1/4-8		