

Service unit combination without lubricator LFR

FESTO



Characteristics

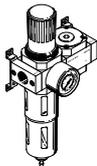
At a glance

Service units for unlubricated compressed air supply.

- Rotary knob with latch
- Pressure gauge with outer scale in bar and inner scale in psi
- Mounting bracket included in the scope of delivery

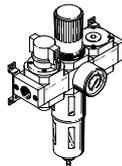
Service unit combination

[KA] Filter regulator, branching module



Three connections are available

[KB] Filter regulator, branching module, on/off valve manually operated

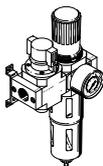


The operating pressure can be switched on or off.

Three connections are available

An additional quick exhaust valve is required at the service unit outlet for safe exhausting of the system

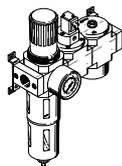
[KC] On/off valve manually operated, filter regulator



The operating pressure can be switched on or off.

An additional quick exhaust valve is required at the service unit outlet for safe exhausting of the system

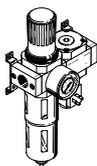
[KD] Filter regulator, on/off valve electrically operated, 24 V DC, soft-start valve pneumatically operated



When the unit is switched off, quick exhausting ensures rapid pressure reduction

Gradual pressure build-up prevents sudden, unpredictable movements

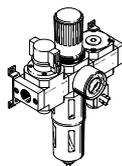
[KE] Filter regulator, branching module, soft-start valve pneumatically operated



Two connections are available.

Electrical pressure monitoring with adjustable switching pressure

[KF] On/off valve manually operated, filter regulator, branching module with pressure switch



The operating pressure can be switched on or off.

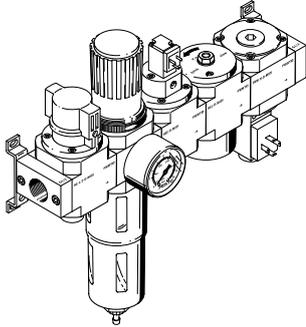
Two connections are available.

Electrical pressure monitoring with adjustable switching pressure

An additional quick exhaust valve is required at the service unit outlet for safe exhausting of the system

Characteristics

[KG] On/off valve manually operated, filter regulator, on/off valve electrically operated, 24 V DC, soft-start valve pneumatically operated, branching module with pressure switch



Two connections are available.

Gradual pressure build-up prevents sudden, unpredictable movements

Electrical pressure monitoring with adjustable switching pressure

An additional quick exhaust valve is required at the service unit outlet for safe exhausting of the system

Type code

001	Series	
LFR	Filter regulator	

002	Pneumatic connection	
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	

003	Version	
D	D series, metal	

004	Function	
	Directly actuated pressure regulator (MICRO, MINI, MIDI), pilot actuated pressure regulator (only MAXI)	
DI	Directly actuated pressure regulator with integrated return flow function (only MAXI)	

005	Size	
MINI	Grid dimension 40 mm (without connecting plates)	
MIDI	Grid dimension 55 mm (without connecting plates)	
MAXI	Grid dimension 66 mm (without connecting plates)	

006	Service unit combination	
KB	Filter regulator, branching module, on/off valve manually operated	
KA	Filter regulator, branching module	
KC	On/off valve manually operated, filter regulator	
KG	On/off valve manually operated, filter regulator, on/off valve electrically operated, 24 V DC, soft-start valve pneumatically operated, branching module with pressure switch	
KF	On/off valve manually operated, filter regulator, branching module with pressure switch	
KE	Filter regulator, branching module, soft-start valve pneumatically operated	
KD	Filter regulator, on/off valve electrically operated, 24 V DC, soft-start valve pneumatically operated	

007	Condensate drain	
	Manually rotating	
A	Fully automatic	

Datasheet

Technical data LFR-...-KA							
Size	Maxi			Midi		Mini	
Pneumatic connection, port 1	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4
Pneumatic connection, port 2	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4
Type of mounting	Either: In-line installation With accessories						
Mounting position	Vertical +/-5°						
Grade of filtration	40 µm						
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:8:4] Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			
Bowl guard	Metal bowl guard						
Condensate drain	Fully automatic Manually rotating						
Actuator lock	Rotary knob with detent						
Pressure regulation range	0.05 ... 1.2 MPa						
Pressure regulation range	0.5 ... 12 bar						
Pressure regulation range	7.25 ... 174 psi						
Max. pressure hysteresis	0.02 MPa	0.03 MPa	0.025 MPa	0.02 MPa	0.015 MPa		
Max. pressure hysteresis	0.2 bar	0.3 bar	0.25 bar	0.2 bar	0.15 bar		
Max. pressure hysteresis	2.9 psi	4.35 psi	3.625 psi	2.9 psi	2.175 psi		
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge						
Max. condensate volume ¹⁾	43 cm ³ ; 80 cm ³			43 cm ³		22 cm ³	
Standard nominal flow rate (standardised to DIN 1343) ²⁾	5,200 l/min 9,200 l/min	5,800 l/min 9,400 l/min	1,850 l/min	2,620 l/min	3,050 l/min	720 l/min	1,140 l/min
Operating pressure	0.1 ... 1.6 MPa						
Operating pressure	1 ... 16 bar						
Operating pressure	14.5 ... 232 psi						
Operating medium	Compressed air to ISO 8573-1:2010 [:-:-] Inert gases						
Ambient temperature	-10 ... 60°C						
Media temperature	-10 ... 60°C						
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress						
LABS (PWIS) conformity ⁴⁾	VDMA24364-B1/B2-L						

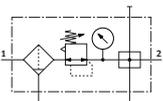
1) Low value: LFR-...-D-DI

2) Low value: LFR-...-D-DI

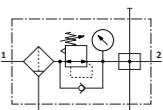
3) More information: visit www.festo.com/x/topic/kbk

4) Additional material specifications → datasheet for the individual devices

Function LFR-...-MINI/MIDI-KA (condensate drain, manual, rotating)

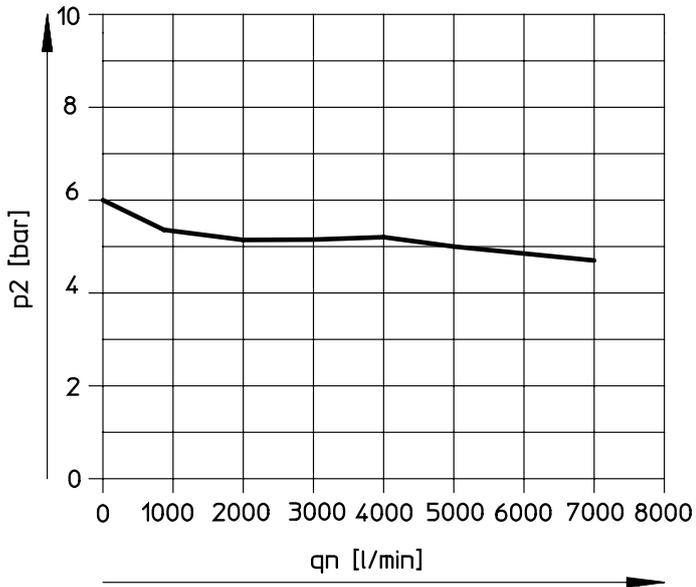


Function LFR-...-MAXI-KA (with condensate drain, manual, rotating)



Datasheet

Standard flow rate q_n as a function of output pressure p_2 ($p_1 = 10$ bar) – LFR-1/2-D-DI-MAXI-KA(-A)



Datasheet

Technical data LFR-...-KB							
Size	Maxi			Midi		Mini	
Pneumatic connection, port 1	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4
Pneumatic connection, port 2	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4
Type of mounting	Either: In-line installation With accessories						
Mounting position	Vertical +/-5°						
Grade of filtration	40 µm						
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:8:4] Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			
Bowl guard	Metal bowl guard						
Condensate drain	Fully automatic Manually rotating						
Actuator lock	Rotary knob with detent						
Pressure regulation range	0.05 ... 1.2 MPa						
Pressure regulation range	0.5 ... 12 bar						
Pressure regulation range	7.25 ... 174 psi						
Max. pressure hysteresis	0.01 MPa	0.02 MPa	0.025 MPa	0.035 MPa	0.02 MPa		
Max. pressure hysteresis	0.1 bar	0.2 bar	0.25 bar	0.35 bar	0.2 bar		
Max. pressure hysteresis	1.45 psi	2.9 psi	3.625 psi	5.075 psi	2.9 psi		
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge						
Max. condensate volume ¹⁾	43 cm ³ ; 80 cm ³			43 cm ³		22 cm ³	
Standard nominal flow rate (standardised to DIN 1343) ²⁾	5,400 l/min 8,000 l/min	7,000 l/min 8,400 l/min	1,720 l/min	2,420 l/min	2,920 l/min	700 l/min	1,050 l/min
Operating pressure	0.1 ... 1.6 MPa						
Operating pressure	1 ... 16 bar						
Operating pressure	14.5 ... 232 psi						
Operating medium	Compressed air to ISO 8573-1:2010 [:-:-] Inert gases						
Ambient temperature	-10 ... 60°C						
Media temperature	-10 ... 60°C						
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress						
LABS (PWIS) conformity ⁴⁾	VDMA24364-B1/B2-L						

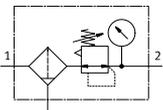
1) Low value: LFR-...-D-DI

2) Low value: LFR-...-D-DI

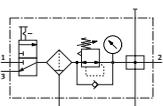
3) More information www.festo.com/x/topic/kbk

4) Additional material specifications → datasheet for the individual devices

Function LFR-...-MINI/MIDI-KB (with condensate drain, manual, rotating)

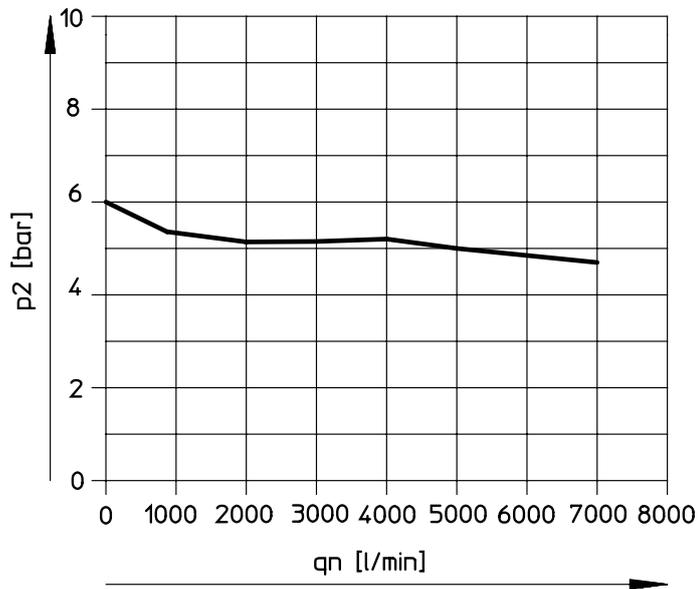


Function LFR-...-MAXI-KB (with condensate drain, manual, rotating)



Datasheet

Standard flow rate q_n as a function of output pressure p_2 ($p_1 = 10$ bar) – LFR-1/2-D-DI-MAXI-KB(-A)



Datasheet

Technical data LFR-...-KC								
Size	Maxi			Midi			Mini	
Pneumatic connection, port 1	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Pneumatic connection, port 2	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Type of mounting	Either: In-line installation With accessories							
Mounting position	Vertical +/-5°							
Grade of filtration	40 µm							
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:8:4] Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases				
Bowl guard	Metal bowl guard							
Condensate drain	Fully automatic Manually rotating							
Actuator lock	Rotary knob with detent							
Pressure regulation range	0.05 ... 1.2 MPa							
Pressure regulation range	0.5 ... 12 bar							
Pressure regulation range	7.25 ... 174 psi							
Max. pressure hysteresis	0.02 MPa							
Max. pressure hysteresis	0.2 bar							
Max. pressure hysteresis	2.9 psi							
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge							
Max. condensate volume ¹⁾	43 cm ³ ; 80 cm ³			43 cm ³			22 cm ³	
Standard nominal flow rate (standardised to DIN 1343) ²⁾	4,800 l/min 8,100 l/min	5,400 l/min 8,400 l/min	1,900 l/min	2,700 l/min	3,150 l/min	750 l/min	1,150 l/min	
Operating pressure	0.1 ... 1.6 MPa							
Operating pressure	1 ... 16 bar							
Operating pressure	14.5 ... 232 psi							
Operating medium	Compressed air to ISO 8573-1:2010 [:-:-] Inert gases							
Ambient temperature	-10 ... 60°C							
Media temperature	-10 ... 60°C							
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress							
LABS (PWIS) conformity ⁴⁾	VDMA24364-B1/B2-L							

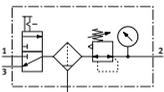
1) Low value: LFR-...-D-DI

2) Low value: LFR-...-D-DI

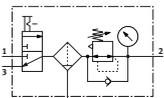
3) More information: visit www.festo.com/x/topic/kbk

4) Additional material specifications → datasheet for the individual devices

Function LFR-...-MINI/MIDI-KC (condensate drain, manual, rotating)

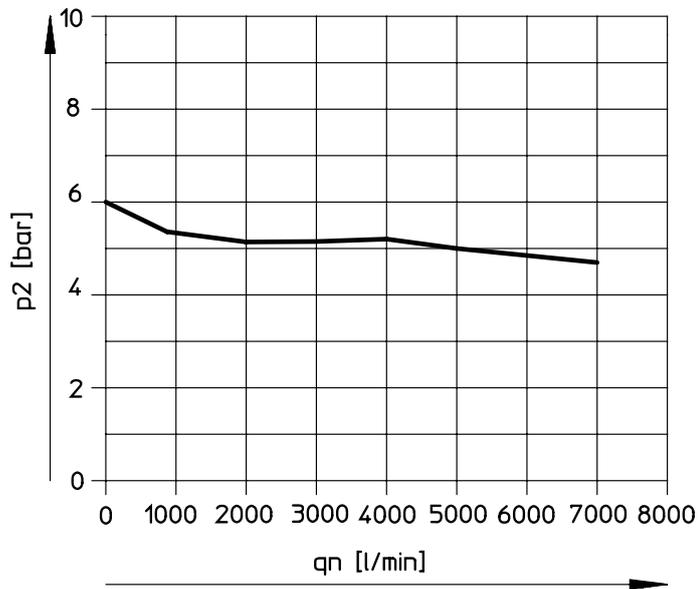


Function LFR-...-MAXI-KC (with condensate drain, manual, rotating)



Datasheet

Standard flow rate q_n as a function of output pressure p_2 ($p_1 = 10$ bar) – LFR-1/2-D-DI-MAXI-KC(-A)



Datasheet

Technical data LFR-...-KD								
Size	Maxi			Midi			Mini	
Pneumatic connection, port 1	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Pneumatic connection, port 2	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Type of mounting	Either: In-line installation With accessories							
Mounting position	Vertical +/-5°							
Grade of filtration	40 µm							
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:8:4] Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases				
Bowl guard	Metal bowl guard							
Condensate drain	Fully automatic Manually rotating							
Actuator lock	Rotary knob with detent							
Pressure regulation range	0.25 ... 1.2 MPa							
Pressure regulation range	2.5 ... 12 bar							
Pressure regulation range	36.25 ... 174 psi							
Max. pressure hysteresis	0.03 MPa	0.02 MPa	0.025 MPa			0.015 MPa		
Max. pressure hysteresis	0.3 bar	0.2 bar	0.25 bar			0.15 bar		
Max. pressure hysteresis	4.35 psi	2.9 psi	3.625 psi			2.175 psi		
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge							
Max. condensate volume ¹⁾	43 cm ³ ; 80 cm ³			43 cm ³			22 cm ³	
Standard nominal flow rate (standardised to DIN 1343) ²⁾	3,000 l/min 4,300 l/min	2,800 l/min 5,000 l/min	1,440 l/min	1,890 l/min	2,000 l/min	595 l/min	730 l/min	
Operating pressure	0.3 ... 1.6 MPa							
Operating pressure	3 ... 16 bar							
Operating pressure	43.5 ... 232 psi							
Operating medium	Compressed air to ISO 8573-1:2010 [:-:-] Inert gases							
Ambient temperature	-10 ... 60°C							
Media temperature	-10 ... 60°C							
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress							
LABS (PWIS) conformity ⁴⁾	VDMA24364-B1/B2-L							

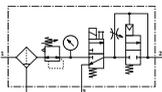
1) Low value: LFR-...-D-DI

2) Low value: LFR-...-D-DI

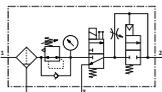
3) More information: visit www.festo.com/x/topic/kbk

4) Additional material specifications → datasheet for the individual devices

Function LFR-...-MINI/MIDI-KD (with condensate drain, manual, rotating)

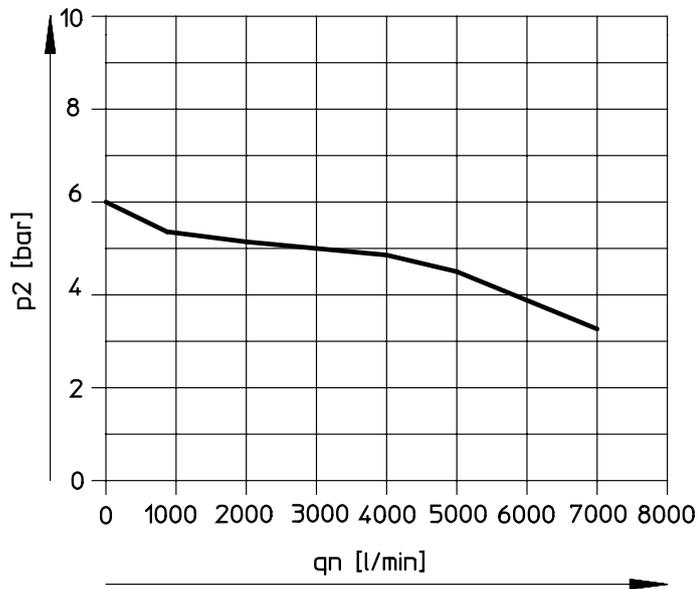


Function LFR-...-MAXI-KD (with condensate drain, manual, rotating)



Datasheet

Standard flow rate q_n as a function of output pressure p_2 ($p_1 = 10 \text{ bar}$) – LFR-1/2-D-DI-MAXI-KA(-A)



Datasheet

Technical data LFR-...-KE							
Size	Maxi			Midi		Mini	
Pneumatic connection, port 1	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4
Pneumatic connection, port 2	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4
Type of mounting	Either: In-line installation With accessories						
Mounting position	Vertical +/-5°						
Grade of filtration	40 µm						
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:8:4] Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			
Bowl guard	Metal bowl guard						
Condensate drain	Fully automatic Manually rotating						
Actuator lock	Rotary knob with detent						
Pressure regulation range	0.05 ... 1.2 MPa						
Pressure regulation range	0.5 ... 12 bar						
Pressure regulation range	7.25 ... 174 psi						
Max. pressure hysteresis	0.02 MPa	0.03 MPa	0.025 MPa	0.02 MPa	0.015 MPa		
Max. pressure hysteresis	0.2 bar	0.3 bar	0.25 bar	0.2 bar	0.15 bar		
Max. pressure hysteresis	2.9 psi	4.35 psi	3.625 psi	2.9 psi	2.175 psi		
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge						
Max. condensate volume ¹⁾	43 cm ³ ; 80 cm ³			43 cm ³		22 cm ³	
Standard nominal flow rate (standardised to DIN 1343) ²⁾	9,200 l/min	6,000 l/min 9,400 l/min	1,850 l/min	2,620 l/min	3,050 l/min	720 l/min	1,140 l/min
Operating pressure	0.1 ... 1.6 MPa						
Operating pressure	1 ... 16 bar						
Operating pressure	14.5 ... 232 psi						
Operating medium	Compressed air to ISO 8573-1:2010 [:-:-] Inert gases						
Ambient temperature	-10 ... 60°C						
Media temperature	-10 ... 60°C						
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress						
LABS (PWIS) conformity ⁴⁾	VDMA24364-B1/B2-L						

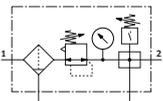
1) Low value: LFR-...-D-DI

2) Low value: LFR-...-D-DI

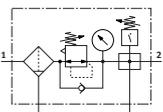
3) More information: visit www.festo.com/x/topic/kbk

4) Additional material specifications → datasheet for the individual devices

Function LFR-...-MINI/MIDI-KE (with condensate drain, manual, rotating)

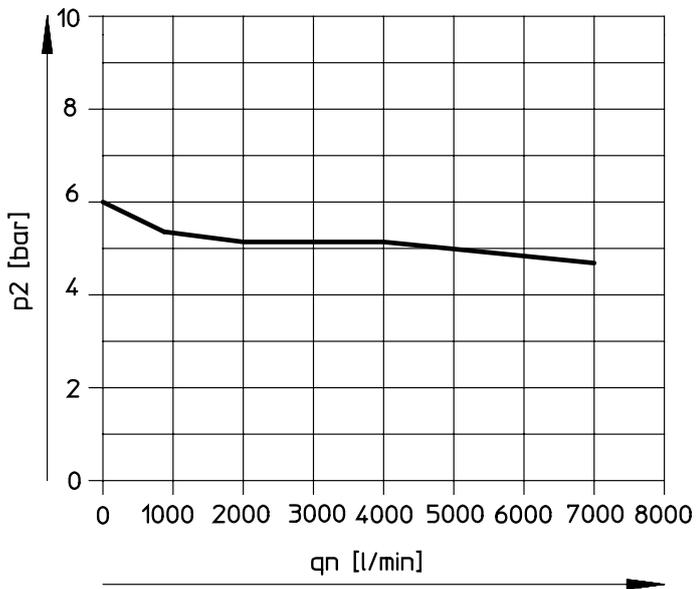


Function LFR-...-MAXI-KE (with condensate drain, manual, rotating)



Datasheet

Standard flow rate q_n as a function of output pressure p_2 ($p_1 = 10$ bar) – LFR-1/2-D-DI-MAXI-KE(-A)



Datasheet

Technical data LFR-...-KF								
Size	Maxi			Midi			Mini	
Pneumatic connection, port 1	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Pneumatic connection, port 2	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Type of mounting	Either: In-line installation With accessories							
Mounting position	Vertical +/-5°							
Grade of filtration	40 µm							
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:8:4] Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases				
Bowl guard	Metal bowl guard							
Condensate drain	Fully automatic Manually rotating							
Actuator lock	Rotary knob with detent							
Pressure regulation range	0.05 ... 1.2 MPa							
Pressure regulation range	0.5 ... 12 bar							
Pressure regulation range	7.25 ... 174 psi							
Max. pressure hysteresis	0.02 MPa		0.025 MPa	0.03 MPa	0.025 MPa	0.02 MPa		
Max. pressure hysteresis	0.2 bar		0.25 bar	0.3 bar	0.25 bar	0.2 bar		
Max. pressure hysteresis	2.9 psi		3.625 psi	4.35 psi	3.625 psi	2.9 psi		
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge							
Max. condensate volume ¹⁾	43 cm ³ ; 80 cm ³			43 cm ³			22 cm ³	
Standard nominal flow rate (standardised to DIN 1343) ²⁾	8,000 l/min	6,000 l/min 8,400 l/min	1,720 l/min	2,420 l/min	2,920 l/min	700 l/min	1,050 l/min	
Operating pressure	0.1 ... 1.6 MPa							
Operating pressure	1 ... 16 bar							
Operating pressure	14.5 ... 232 psi							
Operating medium	Compressed air to ISO 8573-1:2010 [:-:-] Inert gases							
Ambient temperature	-10 ... 60°C							
Media temperature	-10 ... 60°C							
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress							
LABS (PWIS) conformity ⁴⁾	VDMA24364-B1/B2-L							

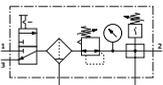
1) Low value: LFR-...-D-DI

2) Low value: LFR-...-D-DI

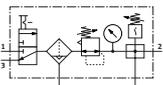
3) More information: visit www.festo.com/x/topic/kbk

4) Additional material specifications → datasheet for the individual devices

Function LFR-...-MINI/MIDI-KF (condensate drain, manual, rotating)

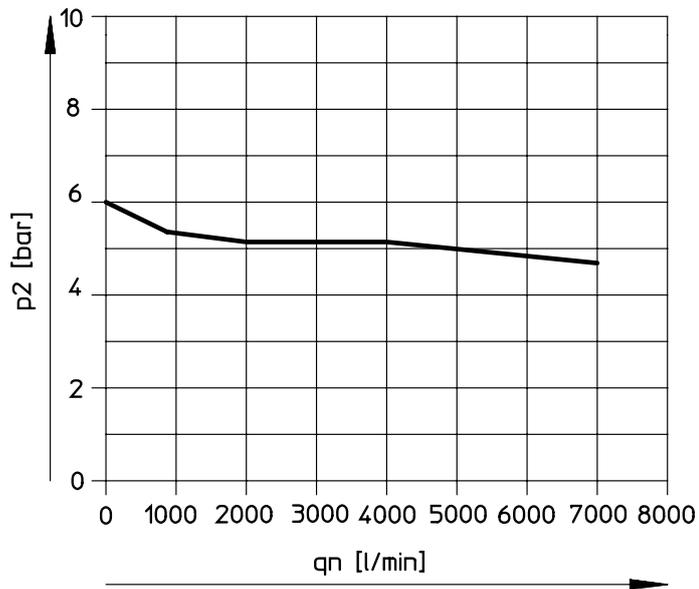


Function LFR-...-MAXI-KF (with condensate drain, manual, rotating)



Datasheet

Standard flow rate q_n as a function of output pressure p_2 ($p_1 = 10$ bar) – LFR-1/2-D-DI-MAXI-KF(-A)



Datasheet

Technical data LFR-...-KG								
Size	Maxi			Midi			Mini	
Pneumatic connection, port 1	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Pneumatic connection, port 2	G1/2	G3/4	G1/4	G3/8	G1/2	G1/8	G1/4	
Type of mounting	Either: In-line installation With accessories							
Mounting position	Vertical +/-5°							
Grade of filtration	40 µm							
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:8:4] Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases			Compressed air to ISO 8573-1:2010 [7:8:4] Inert gases				
Bowl guard	Metal bowl guard							
Condensate drain	Fully automatic Manually rotating							
Actuator lock	Rotary knob with detent							
Pressure regulation range	0.25 ... 1.2 MPa							
Pressure regulation range	2.5 ... 12 bar							
Pressure regulation range	36.25 ... 174 psi							
Max. pressure hysteresis	0.025 MPa			0.02 MPa		0.015 MPa		
Max. pressure hysteresis	0.25 bar			0.2 bar		0.15 bar		
Max. pressure hysteresis	3.625 psi			2.9 psi		2.175 psi		
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge							
Max. condensate volume ¹⁾	43 cm ³ ; 80 cm ³			43 cm ³			22 cm ³	
Standard nominal flow rate (standardised to DIN 1343) ²⁾	2,500 l/min 4,200 l/min	3,000 l/min 4,900 l/min	1,370 l/min	1,680 l/min	1,740 l/min	575 l/min	715 l/min	
Operating pressure	0.3 ... 1.6 MPa							
Operating pressure	3 ... 16 bar							
Operating pressure	43.5 ... 232 psi							
Operating medium	Compressed air to ISO 8573-1:2010 [:-:-] Inert gases							
Ambient temperature	-10 ... 60°C							
Media temperature	-10 ... 60°C							
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress							
LABS (PWIS) conformity ⁴⁾	VDMA24364-B1/B2-L							

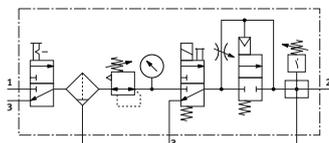
1) Low value: LFR-...-D-DI

2) Low value: LFR-...-D-DI

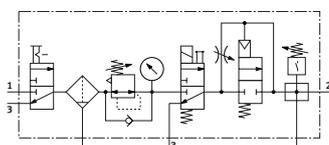
3) More information: visit www.festo.com/x/topic/kbk

4) Additional material specifications → datasheet for the individual devices

Function LFR-...-MINI/MIDI-KG (with condensate drain, manual, rotating)

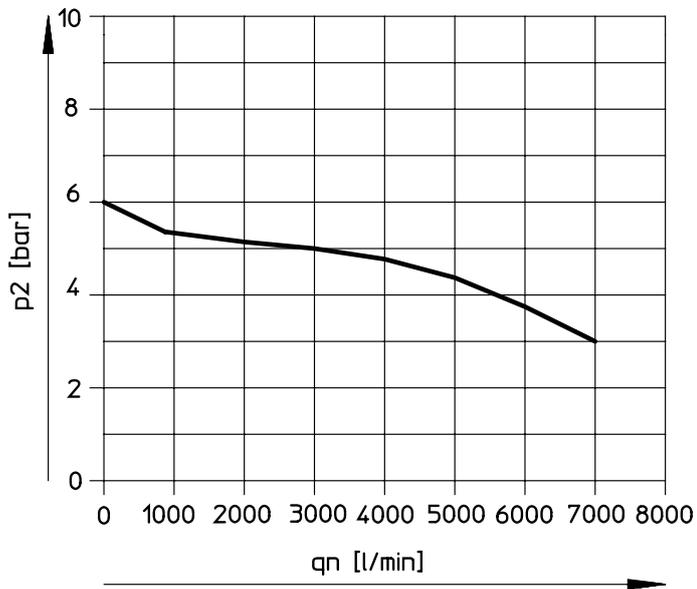


Function LFR-...-MAXI-KG (with condensate drain, manual, rotating)



Datasheet

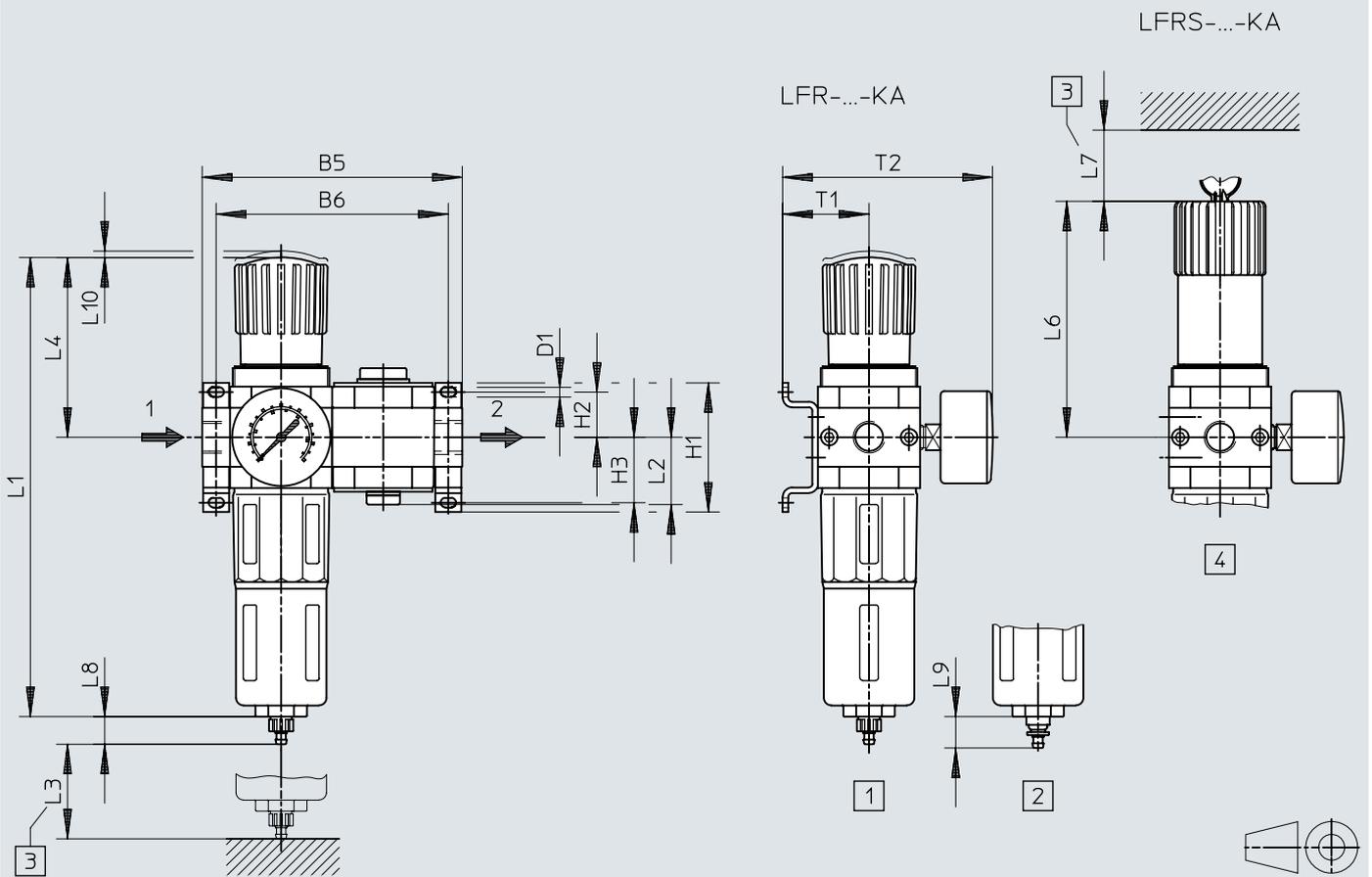
Standard flow rate q_n as a function of output pressure p_2 ($p_1 = 10 \text{ bar}$) – LFR-1/2-D-DI-MAXI-KG(-A)



Dimensions

Dimensions – LFR...-KA

Download CAD data www.festo.com



- [1] Manual condensate drain
- [2] Fully automatic condensate drain for plastic tubing PUN-6/PAN-6
- [3] Installation dimension
- [4] Lockable

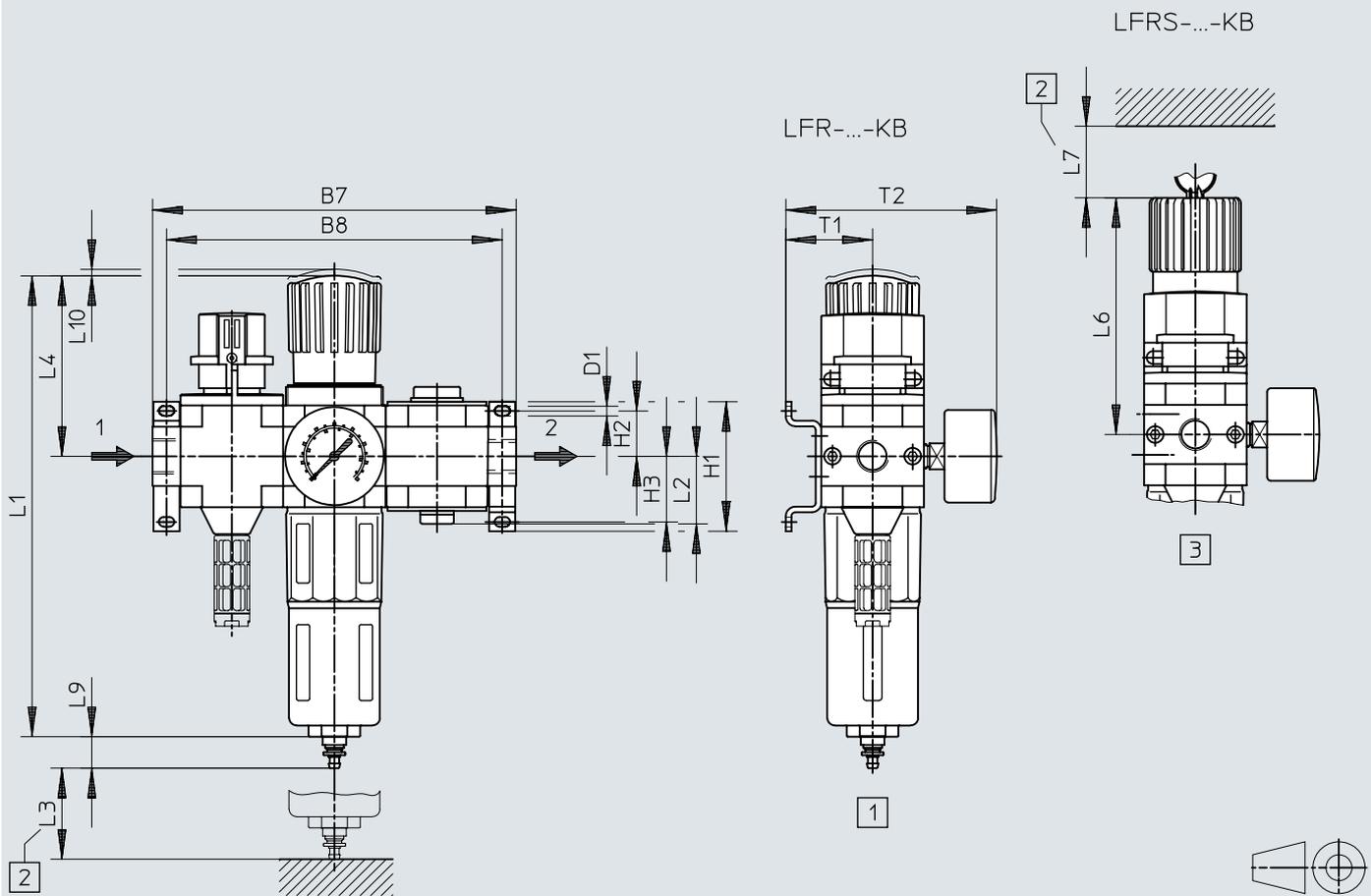
	B5	B6	D1	H1	H2	H3	L1	L2	L3	L4	L6	L7	L8	L9	L10	T1	T2
LFR...-D-MINI-KA (A)	104	92	4,3	43	17,5	17,5	193	28	60	68	98	60	15	19	3	39	95
LFR...-D-MIDI-KA (A)	140	125	5,3	70	24,5	35,5	250	36,5	80	99	130	60	15	19	3	47	114
LFR...-D-MAXI-KA (A)	162	146	5,3	70	24,5	35,5	252	42	90	82	111	60	15	19	3	53	126
LFR...-D-DI-MAXI-KA (A)							275			105	135						

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

Dimensions

Dimensions – LFR-...-KB

Download CAD data www.festo.com



- [1] Condensate drain
- [2] Installation dimension
- [3] Lockable

	B7	B8	D1	H1	H2	H3	L1	L2	L3	L4	L6	L7	L9	L10	T1	T2
LFR-...-D-MINI-KB (A)	144	132	4,3	43	17,5	17,5	193	28	60	68	98	60	19	3	39	95
LFR-...-D-MIDI-KB (A)	195	180	5,3	70	24,5	35,5	250	36,5	80	99	130	60	19	3	47	114
LFR-...-D-MAXI-KB (A)	228	212	5,3	70	24,5	35,5	252	42	90	82	111	60	19	3	53	126
LFR-...-D-DI-MAXI-KB (A)							275			105	135					

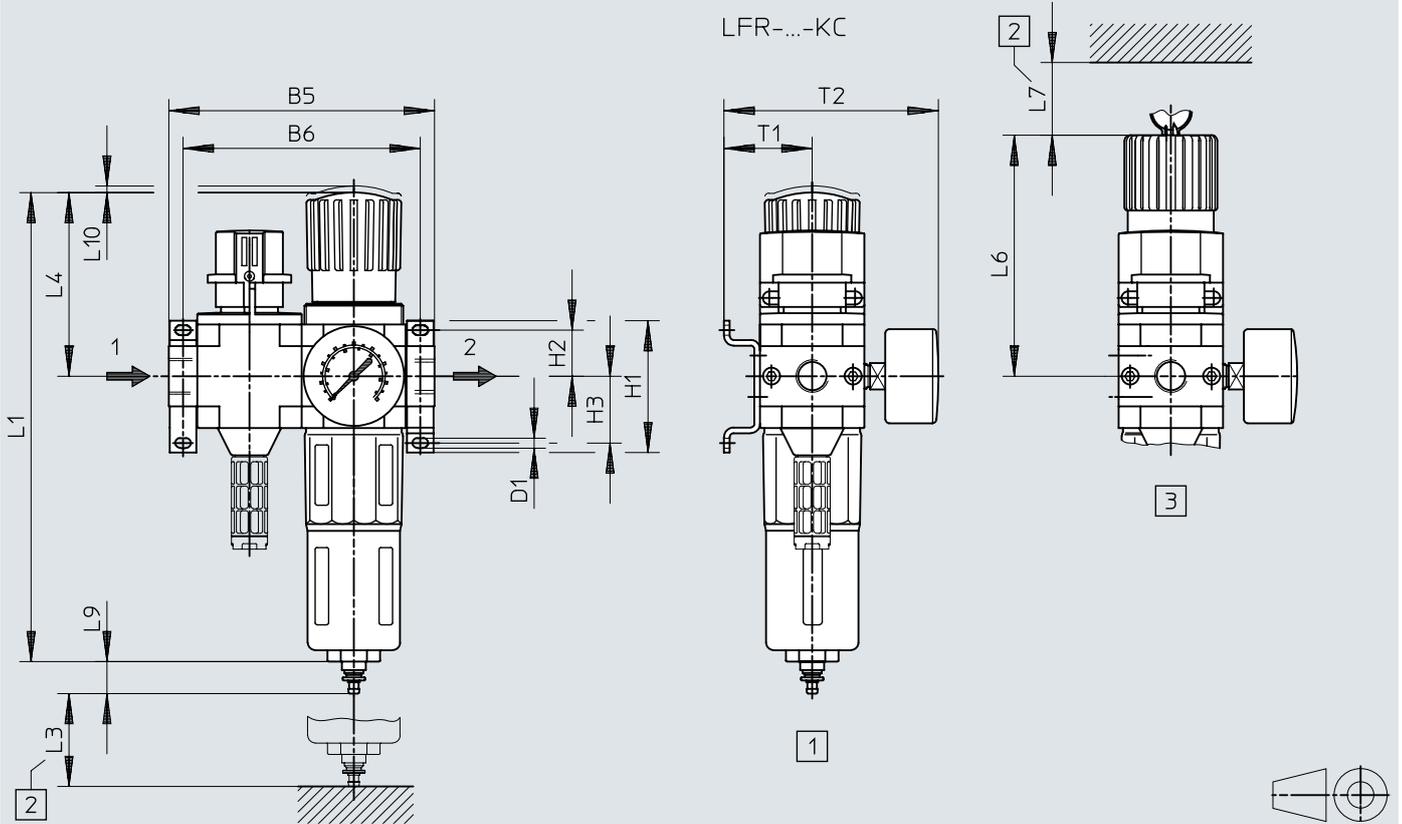
1) Note: This product complies with ISO 1179-1 and ISO 228-1.

Dimensions

Dimensions – LFR...-KC

Download CAD data www.festo.com

LFRS...-KC



- [1] Condensate drain
- [2] Installation dimension
- [3] Lockable

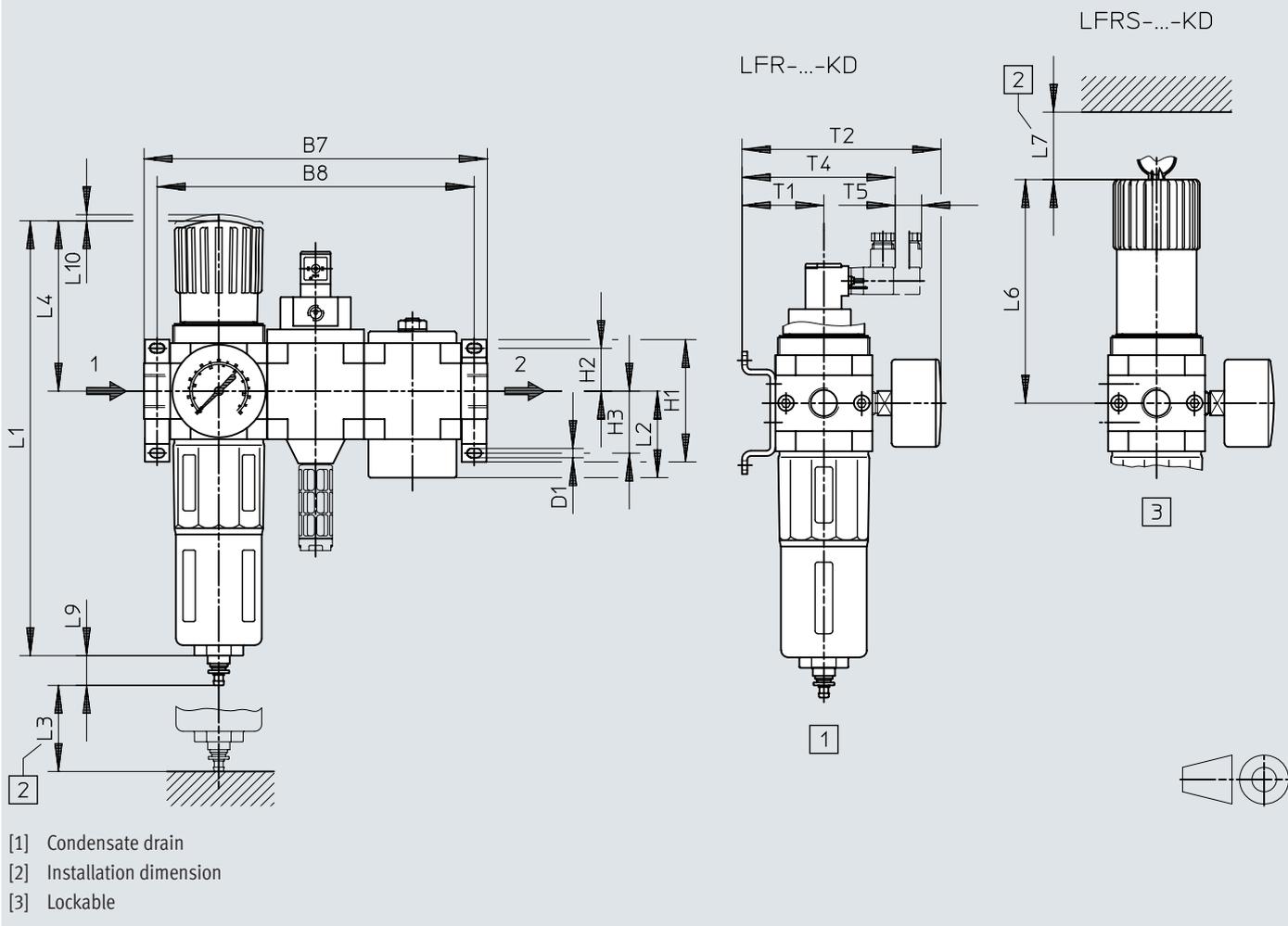
	B5	B6	D1	H1	H2	H3	L1	L3	L4	L6	L7	L9	L10	T1	T2
LFR...-D-MINI-KC (A)	104	92	4,3	43	17,5	17,5	193	60	68	98	60	19	3	39	95
LFR...-D-MIDI-KC (A)	140	125	5,3	70	24,5	35,5	250	80	99	130	60	19	3	47	114
LFR...-D-MAXI-KC (A)	162	146	5,3	70	24,5	35,5	252	90	82	111	60	19	3	53	126
LFR...-D-DI-MAXI-KC (A)							275		105	135					

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

Dimensions

Dimensions – LFR-...-KD

Download CAD data www.festo.com



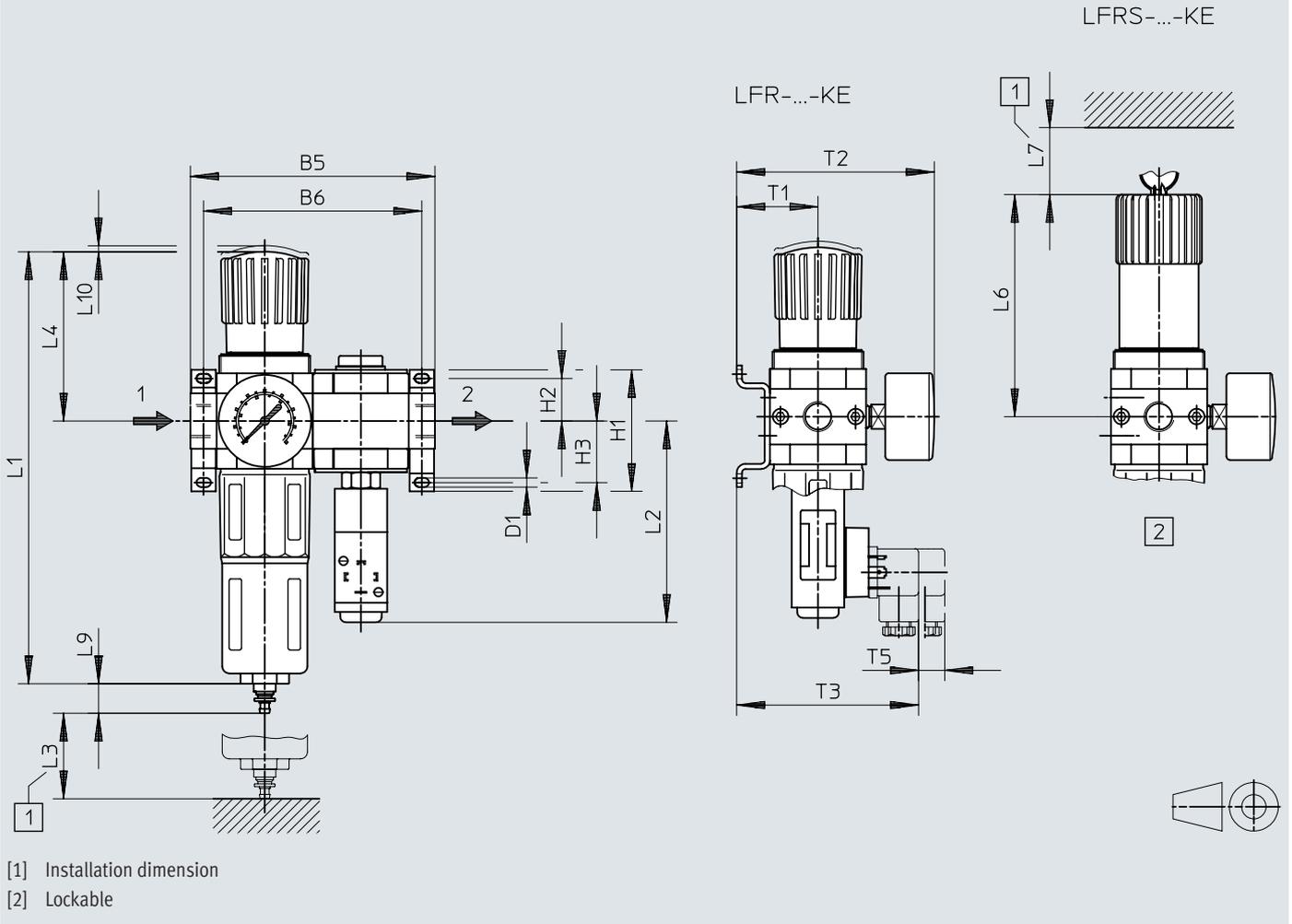
	B7	B8	D1	H1	H2	H3	L1	L2	L3	L4	L6	L7	L9	L10	T1	T2	T4	T5
LFR-...-D-MINI-KD (A)	144	132	4,3	43	17,5	17,5	193	36	60	68	98	60	19	3	39	95	78	15
LFR-...-D-MIDI-KD (A)	195	180	5,3	70	24,5	35,5	250	49,5	80	99	130	60	19	3	47	114	86	15
LFR-...-D-MAXI-KD (A)	228	212	5,3	70	24,5	35,5	252	56,4	90	82	111	60	19	3	53	126	92	15
LFR-...-D-DI-MAXI-KD (A)							275			105	135							

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

Dimensions

Dimensions – LFR...-KE

Download CAD data www.festo.com



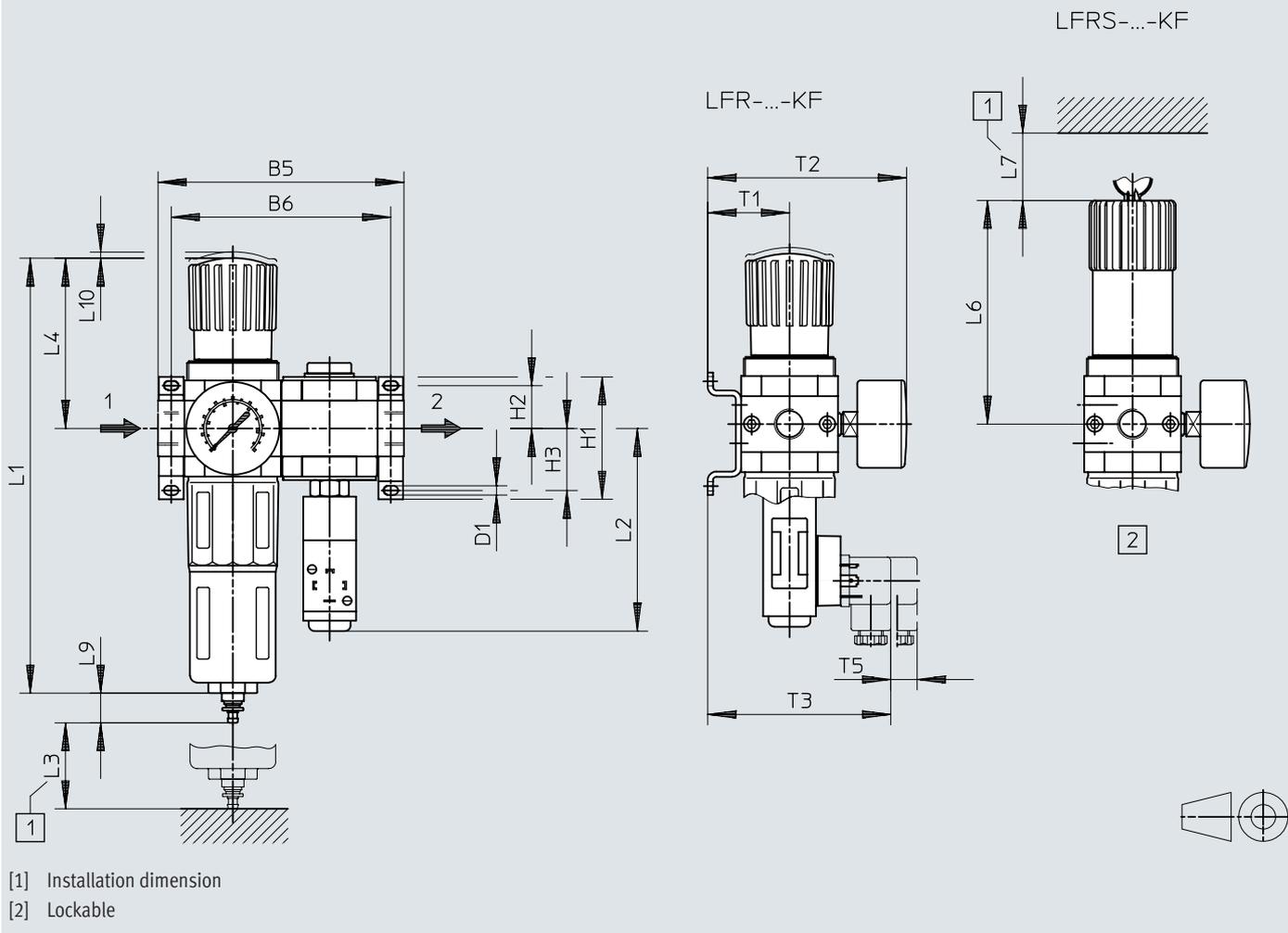
	B5	B6	D1	H1	H2	H3	L1	L2	L3	L4	L6	L7	L9	L10	T1	T2	T3	T5
LFR...-D-MINI-KE (A)	104	92	4,3	43	17,5	17,5	193	108	60	68	98	60	19	3	39	95	97	15
LFR...-D-MIDI-KE (A)	140	125	5,3	70	24,5	35,5	250	117	80	99	130	60	19	3	47	114	109	15
LFR...-D-MAXI-KE (A)	162	146	5,3	70	24,5	35,5	252	122	90	82	111	60	19	3	53	126	111	15
LFR...-D-DI-MAXI-KE (A)							275			105	135							

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

Dimensions

Dimensions – LFR-...-KF

Download CAD data www.festo.com



[1] Installation dimension

[2] Lockable

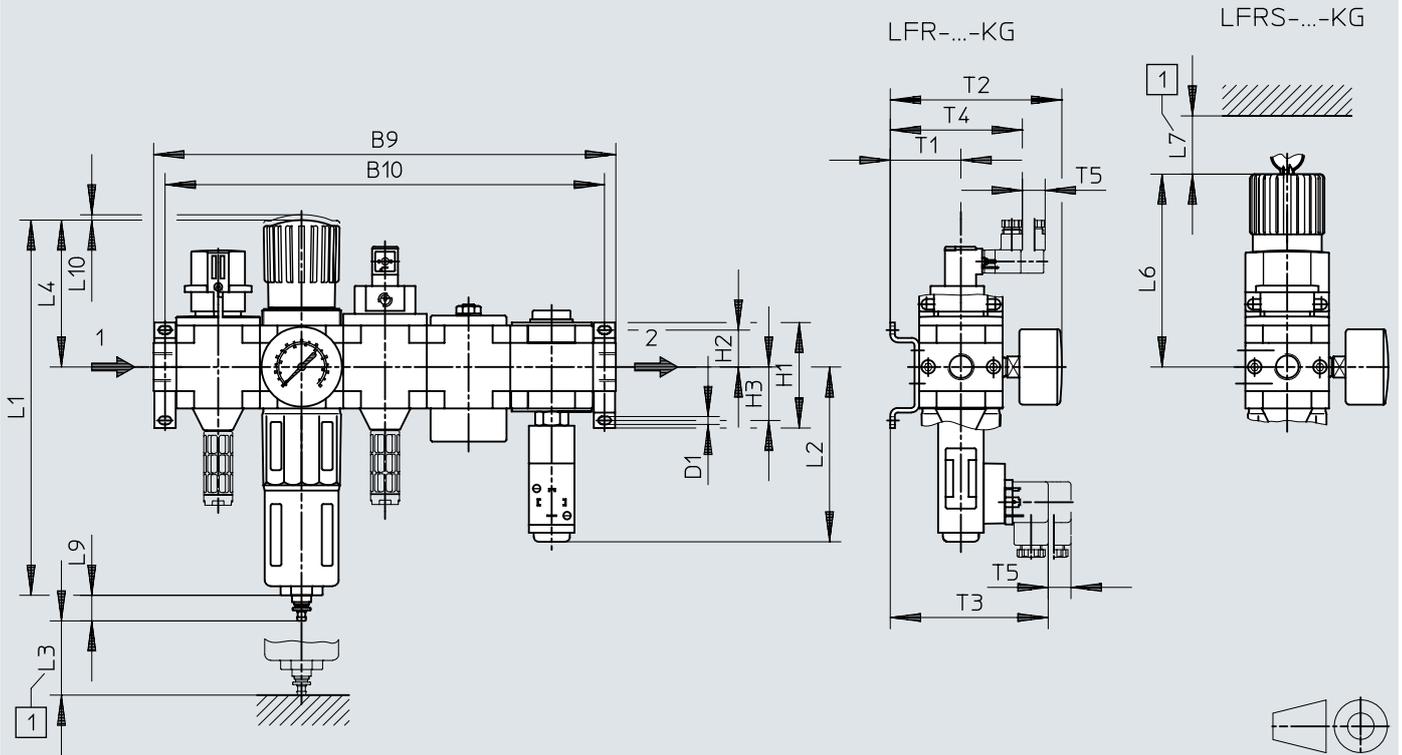
	B7	B8	D1	H1	H2	H3	L1	L2	L3	L4	L6	L7	L9	L10	T1	T2	T3	T5
LFR-...-D-MINI-KF (A)	144	132	4,3	43	17,5	17,5	193	108	60	68	98	60	19	3	39	95	97	15
LFR-...-D-MIDI-KF (A)	195	180	5,3	70	24,5	35,5	250	117	80	99	130	60	19	3	47	114	105	15
LFR-...-D-MAXI-KF (A)	228	212	5,3	70	24,5	35,5	252	122	90	82	111	60	19	3	53	126	111	15
LFR-...-D-DI-MAXI-KF (A)							275			105	135							

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

Dimensions

Dimensions – LFR...-KG

Download CAD data www.festo.com

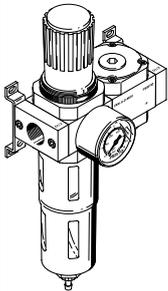


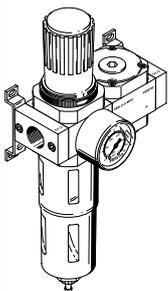
[1] Installation dimension

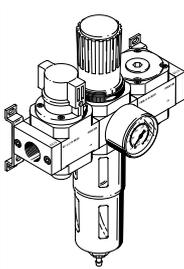
	B9	B10	D1	H1	H2	H3	L1	L2	L3	L4	L6	L7	L9	L10	T1	T2	T3	T4	T5
LFR...-D-MINI-KG (A)	224	212	4,3	43	17,5	17,5	193	108	60	68	98	60	19	3	39	95	97	78	15
LFR...-D-MIDI-KG (A)	305	290	5,3	70	24,5	35,5	250	117	80	99	130	60	19	3	47	114	105	86	15
LFR...-D-MAXI-KG (A)	360	344	5,3	70	24,5	35,5	252	122	90	82	111	60	19	3	53	126	111	92	15
LFR...-D-DI-MAXI-KG (A)							275			105	135								

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

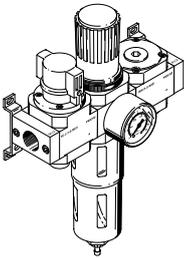
Ordering data

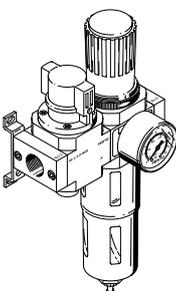
LFR...-D-...-KA							
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type	
	Maxi	G1/2	G1/2	2,400 g	186040	LFR-1/2-D-MAXI-KA-A	
						186039	LFR-1/2-D-MAXI-KA
		G3/4	G3/4			185717	LFR-3/4-D-MAXI-KA
						185718	LFR-3/4-D-MAXI-KA-A
	Midi	G1/4	G1/4	1,800 g	185711	LFR-1/4-D-MIDI-KA	
					185712	LFR-1/4-D-MIDI-KA-A	
		G3/8	G3/8		185713	LFR-3/8-D-MIDI-KA	
					185714	LFR-3/8-D-MIDI-KA-A	
		G1/2	G1/2		185716	LFR-1/2-D-MIDI-KA-A	
	Mini	G1/8	G1/8	800 g	185715	LFR-1/2-D-MIDI-KA	
					185708	LFR-1/8-D-MINI-KA-A	
					185707	LFR-1/8-D-MINI-KA	
G1/4		G1/4	185709		LFR-1/4-D-MINI-KA		
			185710	LFR-1/4-D-MINI-KA-A			

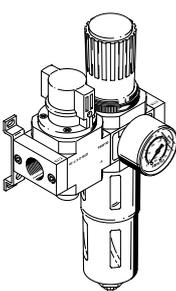
LFR...-D-DI-...-KA (with directly actuated pressure regulator)							
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type	
	Maxi	G1/2	G1/2	2,600 g	192454	LFR-1/2-D-DI-MAXI-KA-A	
						192440	LFR-1/2-D-DI-MAXI-KA
		G3/4	G3/4			192461	LFR-3/4-D-DI-MAXI-KA-A

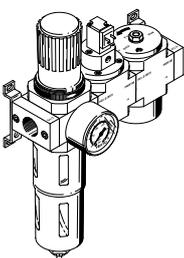
LFR...-D-...-KB							
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type	
	Maxi	G1/2	G1/2	3,300 g	186042	LFR-1/2-D-MAXI-KB-A	
						186041	LFR-1/2-D-MAXI-KB
		G3/4	G3/4			185729	LFR-3/4-D-MAXI-KB
						185730	LFR-3/4-D-MAXI-KB-A
	Midi	G1/4	G1/4	2,200 g	185724	LFR-1/4-D-MIDI-KB-A	
					185723	LFR-1/4-D-MIDI-KB	
		G3/8	G3/8		185725	LFR-3/8-D-MIDI-KB	
					185726	LFR-3/8-D-MIDI-KB-A	
		G1/2	G1/2		185727	LFR-1/2-D-MIDI-KB	
	Mini	G1/8	G1/8	1,000 g	185728	LFR-1/2-D-MIDI-KB-A	
					185719	LFR-1/8-D-MINI-KB	
					185720	LFR-1/8-D-MINI-KB-A	
		G1/4	G1/4		185722	LFR-1/4-D-MINI-KB-A	
			185721	LFR-1/4-D-MINI-KB			

Ordering data

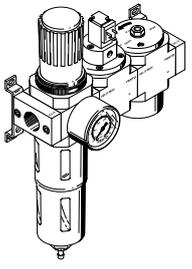
LFR-...-D-DI-...-KB (with directly actuated pressure regulator)						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	3,500 g	192455	LFR-1/2-D-DI-MAXI-KB-A
					192441	LFR-1/2-D-DI-MAXI-KB
	G3/4	G3/4	192448		LFR-3/4-D-DI-MAXI-KB	
			192462		LFR-3/4-D-DI-MAXI-KB-A	

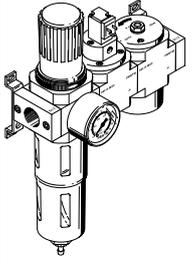
LFR-...-D-...-KC								
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type		
	Maxi	G1/2	G1/2	2,300 g	186044	LFR-1/2-D-MAXI-KC-A		
					186043	LFR-1/2-D-MAXI-KC		
		G3/4	G3/4		185741	LFR-3/4-D-MAXI-KC		
					185742	LFR-3/4-D-MAXI-KC-A		
	Midi	G1/4	G1/4	1,600 g	185736	LFR-1/4-D-MIDI-KC-A		
					185735	LFR-1/4-D-MIDI-KC		
		G3/8	G3/8		185737	LFR-3/8-D-MIDI-KC		
					185738	LFR-3/8-D-MIDI-KC-A		
	G1/2	G1/2	185740	LFR-1/2-D-MIDI-KC-A				
			185739	LFR-1/2-D-MIDI-KC				
			Mini	G1/8	G1/8	700 g	185731	LFR-1/8-D-MINI-KC
						185732	LFR-1/8-D-MINI-KC-A	
G1/4	G1/4	185734	LFR-1/4-D-MINI-KC-A					
		185733	LFR-1/4-D-MINI-KC					

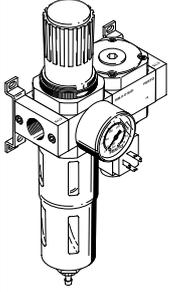
LFR-...-D-DI-...-KC (with directly actuated pressure regulator)						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	2,600 g	192442	LFR-1/2-D-DI-MAXI-KC
					192456	LFR-1/2-D-DI-MAXI-KC-A
	G3/4	G3/4	192463		LFR-3/4-D-DI-MAXI-KC-A	
			192449		LFR-3/4-D-DI-MAXI-KC	

LFR-...-D-...-KD						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	3,100 g	186045	LFR-1/2-D-MAXI-KD

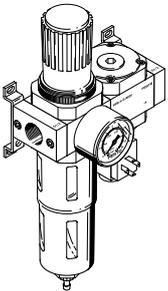
Ordering data

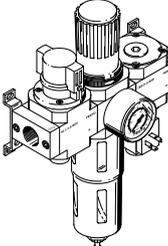
LFR...-D-...-KD						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	3,100 g	186046	LFR-1/2-D-MAXI-KD-A
		G3/4	G3/4		185753	LFR-3/4-D-MAXI-KD
					185754	LFR-3/4-D-MAXI-KD-A
	Midi	G1/4	G1/4	2,100 g	185747	LFR-1/4-D-MIDI-KD
					185748	LFR-1/4-D-MIDI-KD-A
		G3/8	G3/8		185750	LFR-3/8-D-MIDI-KD-A
					185749	LFR-3/8-D-MIDI-KD
		G1/2	G1/2		185751	LFR-1/2-D-MIDI-KD
	Mini	G1/8	G1/8	900 g	185744	LFR-1/8-D-MINI-KD-A
					185743	LFR-1/8-D-MINI-KD
G1/4		G1/4	185745		LFR-1/4-D-MINI-KD	
			185746		LFR-1/4-D-MINI-KD-A	

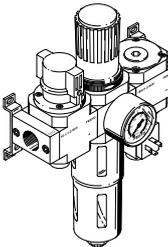
LFR...-D-DI-...-KD (with directly actuated pressure regulator)						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	3,300 g	192443	LFR-1/2-D-DI-MAXI-KD
					192457	LFR-1/2-D-DI-MAXI-KD-A
		G3/4	G3/4		192450	LFR-3/4-D-DI-MAXI-KD

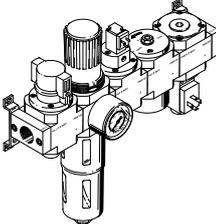
LFR...-D-...-KE						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	2,400 g	186048	LFR-1/2-D-MAXI-KE-A
					186047	LFR-1/2-D-MAXI-KE
		G3/4	G3/4		185766	LFR-3/4-D-MAXI-KE-A
	Midi	G1/4	G1/4	2,000 g	185765	LFR-3/4-D-MAXI-KE
					185760	LFR-1/4-D-MIDI-KE-A
		G3/8	G3/8		185759	LFR-1/4-D-MIDI-KE
					185761	LFR-3/8-D-MIDI-KE
		G1/2	G1/2		185762	LFR-3/8-D-MIDI-KE-A
	Mini	G1/8	G1/8	1,000 g	185764	LFR-1/2-D-MIDI-KE-A
					185763	LFR-1/2-D-MIDI-KE
G1/4		G1/4	185756		LFR-1/8-D-MINI-KE-A	
			185755		LFR-1/8-D-MINI-KE	
			185758	LFR-1/4-D-MINI-KE-A		
			185757	LFR-1/4-D-MINI-KE		

Ordering data

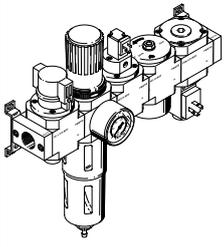
LFR-...-D-DI-...-KE (with directly actuated pressure regulator)						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	2,600 g	192458	LFR-1/2-D-DI-MAXI-KE-A
					192444	LFR-1/2-D-DI-MAXI-KE
	G3/4	G3/4	192465	LFR-3/4-D-DI-MAXI-KE-A		

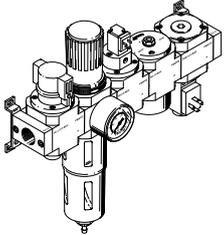
LFR-...-D-...-KF						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	3,300 g	186050	LFR-1/2-D-MAXI-KF-A
					186049	LFR-1/2-D-MAXI-KF
		G3/4	G3/4		185777	LFR-3/4-D-MAXI-KF
	Midi	G1/4	G1/4	2,400 g	185778	LFR-3/4-D-MAXI-KF-A
					185772	LFR-1/4-D-MIDI-KF-A
		185771	LFR-1/4-D-MIDI-KF			
		185773	LFR-3/8-D-MIDI-KF			
		185774	LFR-3/8-D-MIDI-KF-A			
	G1/2	G1/2	185775	LFR-1/2-D-MIDI-KF		
			185776	LFR-1/2-D-MIDI-KF-A		
	Mini	G1/8	G1/8	1,200 g	185767	LFR-1/8-D-MINI-KF
					185768	LFR-1/8-D-MINI-KF-A
G1/4		G1/4	185769		LFR-1/4-D-MINI-KF	
			185770	LFR-1/4-D-MINI-KF-A		

LFR-...-D-DI-...-KF (with directly actuated pressure regulator)						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	3,500 g	192459	LFR-1/2-D-DI-MAXI-KF-A
					192445	LFR-1/2-D-DI-MAXI-KF
	G3/4	G3/4	192466	LFR-3/4-D-DI-MAXI-KF-A		
			192452	LFR-3/4-D-DI-MAXI-KF		

LFR-...-D-...-KG						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	5,200 g	186052	LFR-1/2-D-MAXI-KG-A

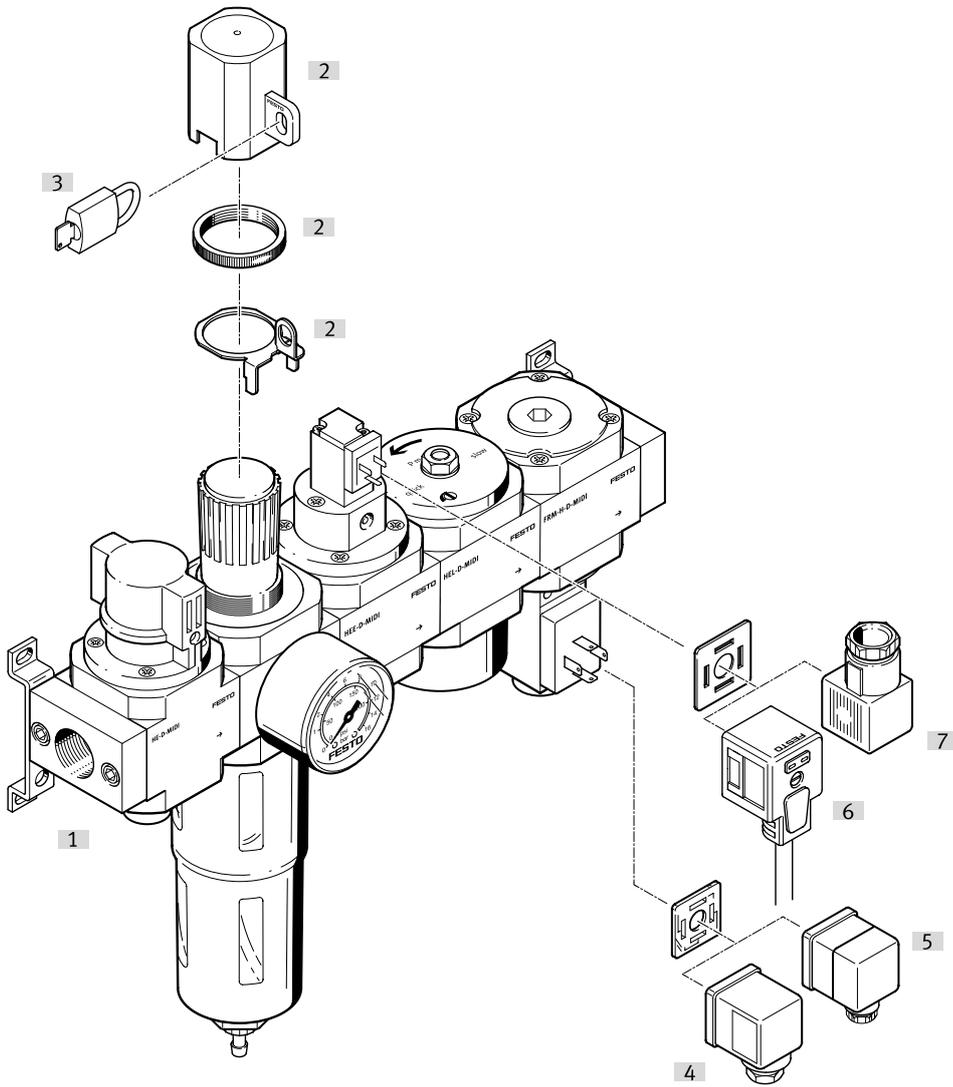
Ordering data

LFR...-D-...-KG						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	5,200 g	186051	LFR-1/2-D-MAXI-KG
		G3/4	G3/4		185790	LFR-3/4-D-MAXI-KG-A
					185789	LFR-3/4-D-MAXI-KG
	Midi	G1/4	G1/4	3,400 g	185783	LFR-1/4-D-MIDI-KG
					185784	LFR-1/4-D-MIDI-KG-A
		G3/8	G3/8		185785	LFR-3/8-D-MIDI-KG
					185786	LFR-3/8-D-MIDI-KG-A
					185788	LFR-1/2-D-MIDI-KG-A
	G1/2	G1/2	185787	LFR-1/2-D-MIDI-KG		
			Mini	G1/8	1,500 g	185780
	185779	LFR-1/8-D-MINI-KG				
	G1/4	G1/4		185782		LFR-1/4-D-MINI-KG-A
			185781	LFR-1/4-D-MINI-KG		

LFR...-D-DI-...-KG (with directly actuated pressure regulator)						
	Size	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	Maxi	G1/2	G1/2	5,400 g	192446	LFR-1/2-D-DI-MAXI-KG
					192460	LFR-1/2-D-DI-MAXI-KG-A
		G3/4	G3/4		192453	LFR-3/4-D-DI-MAXI-KG
					192467	LFR-3/4-D-DI-MAXI-KG-A

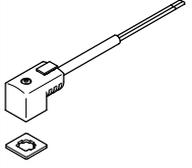
Peripherals

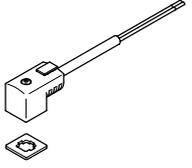
Service unit LFR-K

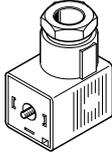


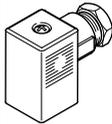
Accessories		→ Link
Type/order code	Description	
[1] Service unit LFR-K		lfr-k
[2] Regulator lock LRVS		32
[3] Padlock LRVS-D		33
[4] Plug socket MSSD-C		32
[5] Angled plug socket PEV-...-WD-LED		32
[6] Plug socket with cable KMEB-1		32
[7] Plug socket MSSD-EB		32
[8] Filter cartridge LFP	Without illustration	33

Accessories

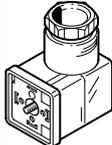
Plug socket with cable KMEB 230V AC				
	Nominal operating voltage AC	Cable length	Part no.	Type
	230 V	2.5 m	151690	KMEB-1-230AC-2.5
		5 m	151691	KMEB-1-230AC-5

Plug socket with cable KMEB 24V DC				
	Nominal operating voltage DC	Cable length	Part no.	Type
	24 V	2.5 m	151688	KMEB-1-24-2.5-LED
		5 m	151689	KMEB-1-24-5-LED
		10 m	193457	KMEB-1-24-10-LED

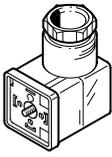
Plug socket MSSD-C				
	Electrical connection	Cable fitting	Part no.	Type
	3-pin, Angled socket, Type A, To DIN EN 175301-803, Square design MSC, Square design MSN1	Pg 9	171157	MSSD-C-4P

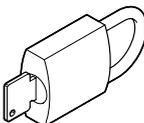
Plug socket MSSD-EB				
	Electrical connection	Part no.	Type	
	3-pin, Socket, Angled socket, Type C, To DIN EN 175301-803, To DIN EN 61984, Square design MSEB, Square design MSN2	151687	MSSD-EB	

Regulator lock LRVS					
	Size	LABS (PWIS) conformity	Product weight	Part no.	Type
	Grid dimension 40 mm (without sub-bases)	VDMA24364-B1/B2-L	40 g	193781	LRVS-D-MINI
	Grid dimension 55 mm (without sub-bases)		60 g	193782	LRVS-D-MIDI
	Grid dimension 66 mm (without sub-bases)		36 g	193784	LRVS-D-DI-MAXI
			56 g	193783	LRVS-D-MAXI

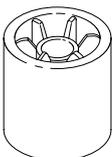
Angled plug socket PEV					
	Operational voltage range AC	Operational voltage range DC	Switching status indication	Part no.	Type
		15 ... 30 V	Yellow LED, Green LED	164274	PEV-1/4-WD-LED-24

Accessories

Angled plug socket PEV					
	Operational voltage range AC	Operational voltage range DC	Switching status indication	Part no.	Type
	150 ... 230 V	140 ... 180 V	Yellow LED, Green LED	164275	PEV-1/4-WD-LED-230

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

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

Filter cartridge LFP					
	Size	Grade of filtration	Part no.	Type	
	4	40 µm	534502	MS4-LFP-E	