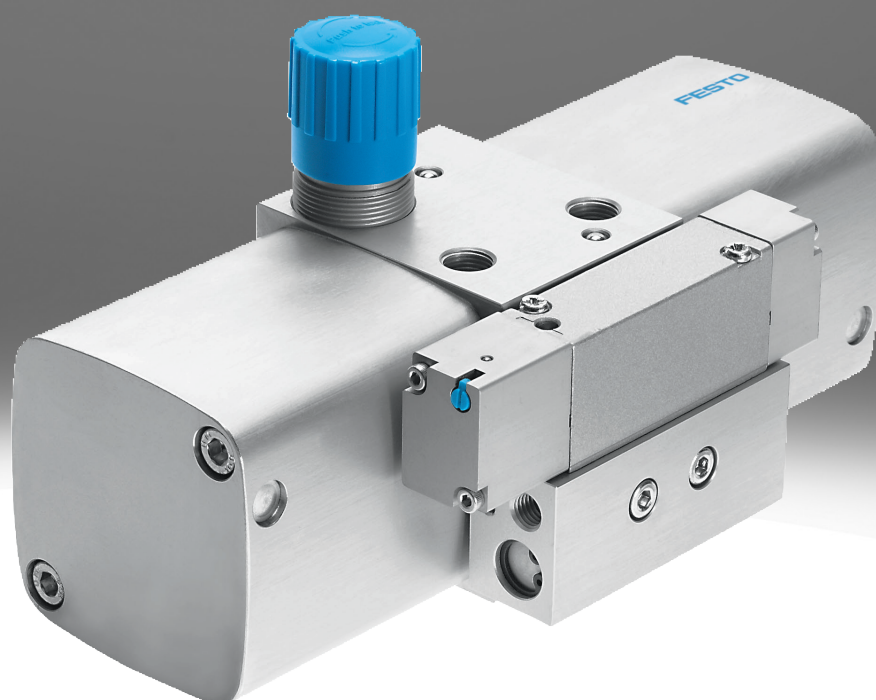


Pressure booster DPA

FESTO



Characteristics

At a glance

The pressure booster is one of the twin-piston pressure intensifiers that can only compress air. When the pressure booster is supplied with compressed air, integrated non-return valves automatically ensure the pressure is built up on the secondary side. The output pressure p_2 can rise to twice the value of the input pressure p_1 . The required output pressure for pressure boosters with regulators can be reduced depending on the setting. The output pressure for pressure boosters without a pressure regulator is always 2 times the input pressure. The two drive pistons are supplied with air by a pneumatic directional control valve, which is switched automatically when the switching positions are reached. If the input pressure is switched on and the required output pressure has not yet been reached, the pressure booster starts automatically. The pressure booster assumes its energy-saving operating mode as soon as the set output pressure is reached; it automatically starts up again when the application operation causes the output pressure to drop.

- Optionally as a pressure intensifier/air reservoir combination
- Long service life
- Compact design
- Available with sensing option

Note: Pressure boosters are used occasionally to draw off compressed air. Pressure boosters are not suitable as replacement compressors, as wear on the seals and drive piston increases significantly when used continuously without breaks.

Note: A pressure gauge is strongly recommended to check the output pressure p_2 , as the required output pressure p_2 must be set. The regulator setting of the DPA-63/100 can be secured against unauthorised adjustment using the regulator lock LRVS.

Additional documents

Link [dpa](#)



The additional document PRESSURE-BOOSTER-ADD contains further instructions for use.

Diagrams

Link [dpa](#)



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

Position sensing

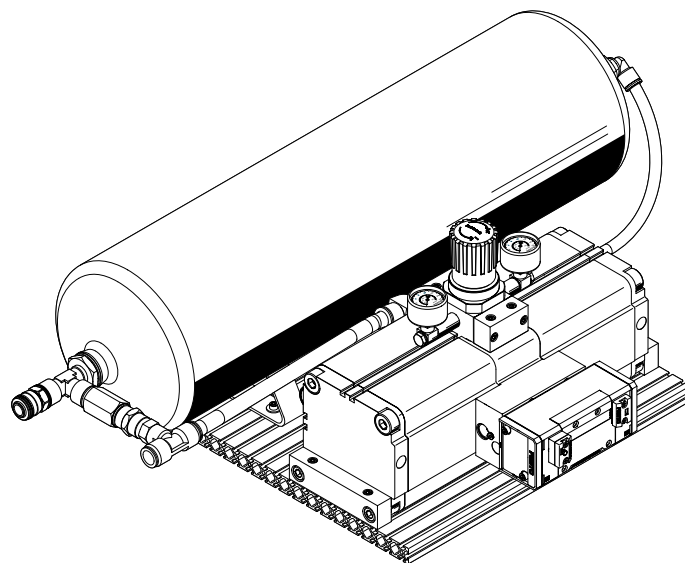
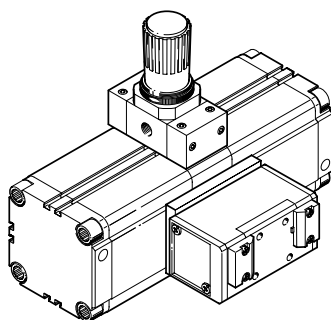
[A] For proximity sensor

The version of the DPA with proximity sensing provides the option of sensing individual strokes of the drive piston with the help of an external sensor and adding counter.

Characteristics

Air reservoir

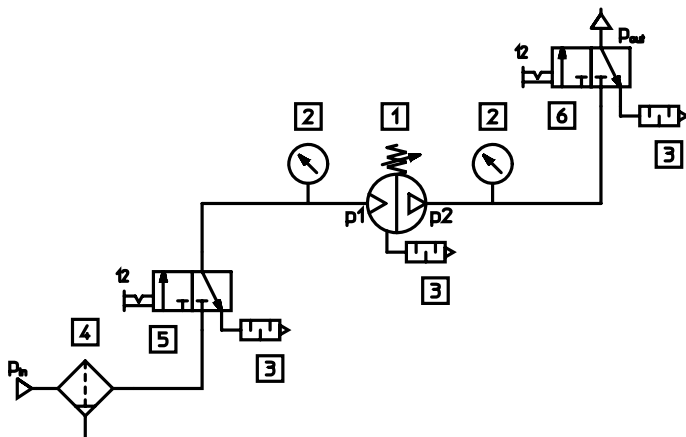
☐ Without	☐ [CRVZS] Stainless steel
----------------------------------	--



Combination of pressure booster, air reservoir in stainless steel, bypass with check valve for constant filling of the air reservoir with the system pressure, pressure gauge set, silencer, fitting and quick coupling. Combination completely mounted on a profile plate.

Characteristics

Connection to the compressed air network



- [1] Pressure booster
- [2] Pressure gauge
- [3] Silencer
- [4] Filter
- [5] 3/2-way on/off valve on the input pressure side
- [6] 3/2-way on/off valve on the output pressure side

Input pressure side

The use of a 3/2-way on/off valve (e.g. MS4/6-EM1, MS4/6-EE or a comparable type) in the compressed air line to the pressure amplifier is recommended. The 3/2-way on/off valve must only be opened once the input pressure has been built up.

Note: If the system includes a soft-start valve, it is essential to position a 3/2-way on/off valve between the soft-start valve and the pressure booster.

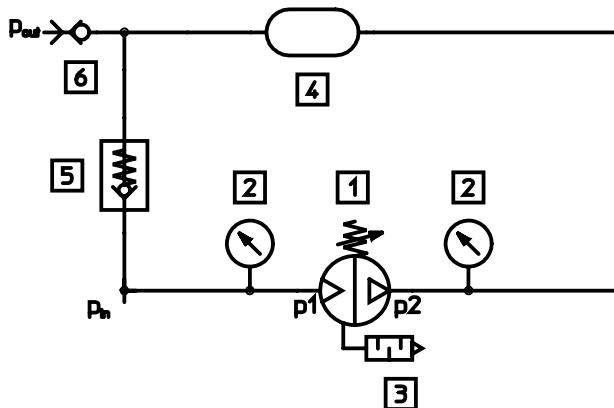
Output pressure side

It is recommended that a 3/2-way on/off valve is connected to the output pressure side of the pressure booster to ensure safe exhausting of the output pressure pout. If a 3/2-way valve is not used, the output pressure can only be exhausted by completely relaxing the regulator spring (turning the regulator knob all the way to the left).

Note: For pressure boosters without a pressure regulator, the air must be exhausted externally via a 3/2-way on/off valve.

Characteristics

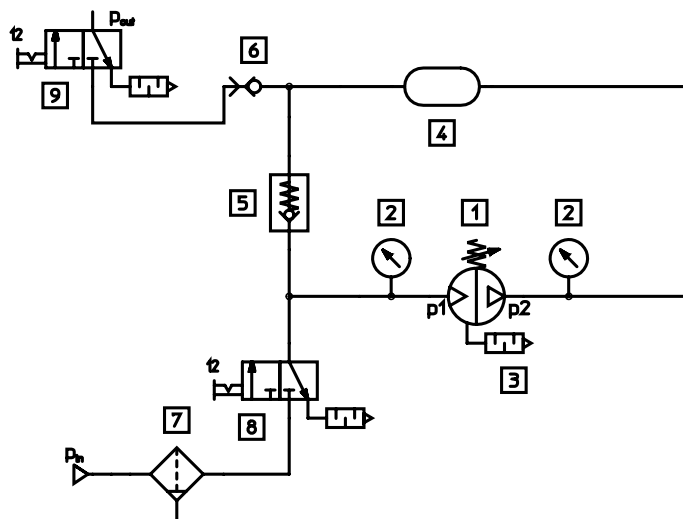
Installation with air reservoir



- [1] Pressure booster
- [2] Pressure gauge
- [3] Silencer
- [4] Air reservoir
- [5] Check valve
- [6] Coupling socket

An air reservoir should always be used on the output pressure side to compensate for pressure fluctuations. The air reservoir smooths the pulsation of the pressure booster. It is sensible to fill the volume of the air reservoir with the input pressure p_1 via a connecting line. The pressure booster only needs to compensate for the difference between input and output pressure. Filling the air reservoir takes less time. A check valve prevents the air from flowing back out of the reservoir. This arrangement corresponds to the scope of delivery of the pressure booster/air reservoir combination available to order.

Installation with air reservoir and two on/off valves

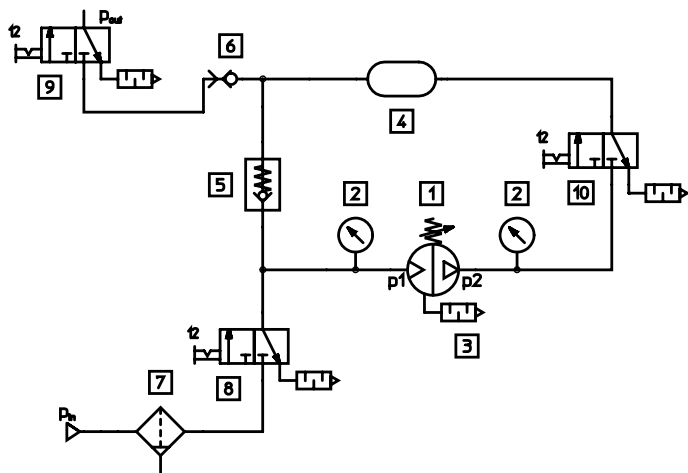


- [1] Pressure booster
- [2] Pressure gauge
- [3] Silencer
- [4] Air reservoir
- [5] Check valve
- [6] Coupling socket
- [7] Filter
- [8] 3/2-way on/off valve on the input pressure side
- [9] 3/2-way on/off valve on the output pressure side

The air reservoir is exhausted via the control knob of the pressure booster.

Characteristics

Installation with air reservoir and three on/off valves



- [1] Pressure booster
- [2] Pressure gauge
- [3] Silencer
- [4] Air reservoir
- [5] Check valve
- [6] Coupling socket
- [7] Filter
- [8] 3/2-way on/off valve on the input pressure side
- [9] 3/2-way on/off valve on the output pressure side
- [10] 3/2-way on/off valve for exhausting the air reservoir

The air reservoir is exhausted via the additional on/off valve.

Type code

001	Series	
DPA	Pressure booster	
002	Size [mm]	
40	40	
63	63	
100	100	
003	Outlet pressure	
10	Max. 10 bar	
16	Max. 16 bar	
D	Double input pressure, without pressure regulator	

004	Position sensing	
	None	
A	For proximity sensor	
005	Air reservoir	
CRVZS	Stainless steel	
	Without	
006	Air reservoir volume	
	Without	
2	2 l	
5	5 l	
10	10 l	
20	20 l	

Datasheet

General technical data – Pressure booster DPA

Piston diameter	40 mm	63 mm	100 mm
Pneumatic connection, port 1	G1/4	G3/8	G1/2
Pneumatic connection, port 2	G1/4	G3/8	G1/2
Pneumatic connection, port 3	M7	G3/8	G1/2
Design ¹⁾	Twin-piston pressure booster		Twin-piston pressure booster, With piston magnet
Type of mounting	With female thread		
Mounting position	Any		
Pressure gauge (ANALOG) or Pressure display (DIGITAL) ²⁾	Prepared for G1/8		Prepared for G1/4, Prepared for G1/8

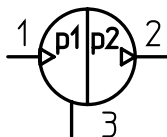
1) With piston magnet for pressure booster with sensing option

2) For piston Ø 100 mm and DPA without pressure regulator: thread G1/8

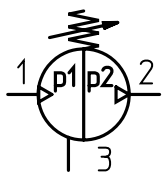
General technical data – Pressure booster DPA with compressed air reservoir

Piston diameter	40 mm		63 mm		100 mm
Volume	2 l	5 l	10 l	20 l	
Pneumatic connection, port 1	QS-10		QS-12		QS-16
Pneumatic connection, port 2	KD4				
Pneumatic connection, port 3	Silencer				
Design	Twin-piston pressure booster, With compressed air reservoir, With pressure gauge, With check valve				
Type of mounting	With slot nuts				
Mounting position	Any	Condensate drain downwards			
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge				
Max. tightening torque for condensate drain	—	27 Nm			

Function – pressure booster without pressure regulator



Function – pressure booster with pressure regulator



Datasheet

Operating and environmental conditions – pressure booster DPA

Piston diameter	40 mm			63 mm		100 mm	
Output pressure 2	5 ... 16 bar	4.5 ... 10 bar	4.5 ... 16 bar	4 ... 16 bar	4 ... 10 bar	4 ... 16 bar	4 ... 10 bar
Operating pressure	0.2 ... 0.8 MPa	0.25 ... 0.8 MPa	0.25 ... 1 MPa	0.2 ... 1 MPa	0.2 ... 0.8 MPa	0.2 ... 1 MPa	0.2 ... 0.8 MPa
Operating pressure	2 ... 8 bar	2.5 ... 8 bar	2.5 ... 10 bar	2 ... 10 bar	2 ... 8 bar	2 ... 10 bar	2 ... 8 bar
Operating pressure	29 ... 116 psi	36.25 ... 116 psi	36.25 ... 145 psi	29 ... 145 psi	29 ... 116 psi	29 ... 145 psi	29 ... 116 psi
Inlet pressure 1	0.25 ... 0.8 MPa		0.25 ... 1 MPa	0.2 ... 1 MPa	0.2 ... 0.8 MPa	0.2 ... 1 MPa	0.2 ... 0.8 MPa
Inlet pressure 1	2.5 ... 8 bar		2.5 ... 10 bar	2 ... 10 bar	2 ... 8 bar	2 ... 10 bar	2 ... 8 bar
Inlet pressure 1	36.25 ... 116 psi		36.25 ... 145 psi	29 ... 145 psi	29 ... 116 psi	29 ... 145 psi	29 ... 116 psi
Output pressure 2	0.5 ... 1.6 MPa	0.45 ... 1 MPa	0.45 ... 1.6 MPa	0.4 ... 1.6 MPa	0.4 ... 1 MPa	0.4 ... 1.6 MPa	0.4 ... 1 MPa
Output pressure 2	72.5 ... 232 psi	65.25 ... 145 psi	65.25 ... 232 psi	58 ... 232 psi	58 ... 145 psi	58 ... 232 psi	58 ... 145 psi
Pressure regulation range	0.4 ... 1.6 MPa	0.45 ... 1 MPa	0.45 ... 1.6 MPa	0.4 ... 1.6 MPa	0.4 ... 1 MPa	0.4 ... 1.6 MPa	0.4 ... 1 MPa
Pressure regulation range	4 ... 16 bar	4.5 ... 10 bar	4.5 ... 16 bar	4 ... 16 bar	4 ... 10 bar	4 ... 16 bar	4 ... 10 bar
Pressure regulation range	58 ... 232 psi	65.25 ... 145 psi	65.25 ... 232 psi	58 ... 232 psi	58 ... 145 psi	58 ... 232 psi	58 ... 145 psi
Note on pressure regulation range	–	If the controller spring is tensioned to the maximum, the maximum output pressure can be exceeded by 40%.					
Operating medium ¹⁾	Compressed air to ISO 8573-1:2010 [7:3:4]						
Note on operating and pilot medium	Lubricated operation not possible						
Ambient temperature	5 ... 60°C						
Storage temperature	5 ... 60°C						
Corrosion resistance class CRC ⁴⁾	2 - Moderate corrosion stress						

1) A higher pressure dew point of max. +3 °C is possible if the minimum operating temperature is always at least 8 K higher than the pressure dew point, so that there is no condensation in the pressure booster → see diagram (minimum permissible operating temperature t as a function of the pressure dew point and the pressure amplification p).

4) More information visit www.festo.com/xj/topic/kbk

Operating and environmental conditions – pressure booster DPA with compressed air reservoir

Piston diameter	40 mm		63 mm		100 mm
Volume	2 l	5 l	10 l	20 l	
Operating pressure	0.25 ... 0.8 MPa		0.2 ... 0.8 MPa		
Operating pressure	2.5 ... 8 bar		2 ... 8 bar		
Operating pressure	36.25 ... 116 psi		29 ... 116 psi		
Inlet pressure 1	0.2 ... 0.8 MPa				
Inlet pressure 1	2 ... 8 bar				
Inlet pressure 1	29 ... 116 psi				
Output pressure 2	0.45 ... 1.6 MPa		0.4 ... 1.6 MPa		
Output pressure 2	4.5 ... 16 bar		4 ... 16 bar		
Output pressure 2	65.25 ... 232 psi		58 ... 232 psi		
Pressure regulation range	0.45 ... 1.6 MPa		0.4 ... 1.6 MPa		
Pressure regulation range	4.5 ... 16 bar		4 ... 16 bar		
Pressure regulation range	65.25 ... 232 psi		58 ... 232 psi		
Operating medium ¹⁾	Compressed air to ISO 8573-1:2010 [7:3:4]				
Note on operating and pilot medium	Lubricated operation not possible				
Ambient temperature	5 ... 60°C				
Storage temperature	5 ... 60°C				
CE mark (see declaration of conformity) ²⁾	–	In accordance with EU Pressure Equipment Directive			
Corrosion resistance class CRC ⁴⁾	2 - Moderate corrosion stress				

1) A higher pressure dew point of max. +3 °C is possible if the minimum operating temperature is always at least 8 K higher than the pressure dew point, so that there is no condensation in the pressure booster → see diagram (minimum permissible operating temperature t as a function of the pressure dew point and the pressure amplification p).

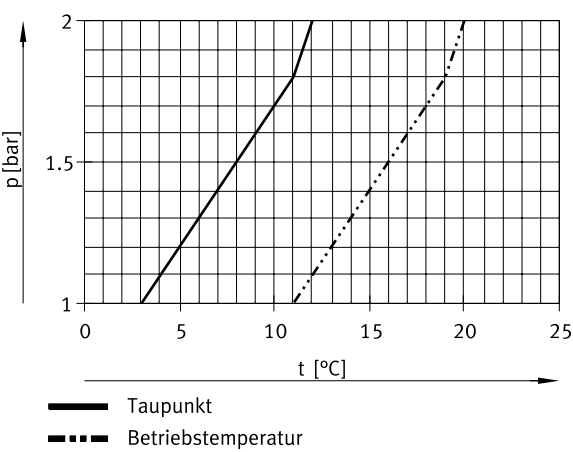
2) More information: www.festo.com/catalogue/dpa → Support/Downloads.

4) More information visit www.festo.com/xj/topic/kbk

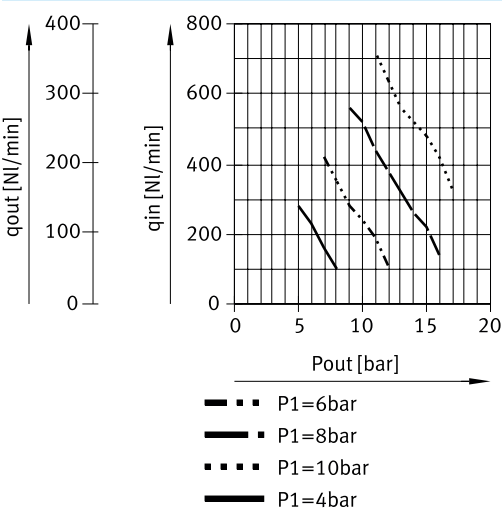
Datasheet

Materials		
Short type code	DPA	DPA-CRVZS
Material housing	-	
Material rotary knob	-	
Material seals	-	
Material air reservoir	-	High-alloy stainless steel
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B1/B2-L	

Minimum permissible operating temperature t as a function of the pressure dew point and pressure amplification p

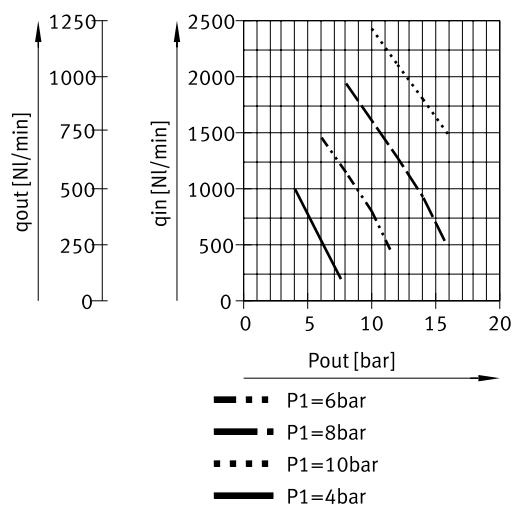


Flow rate at input $q(in)$ and flow rate at output $q(out)$ as a function of output pressure $p(out)$ – DPA-40

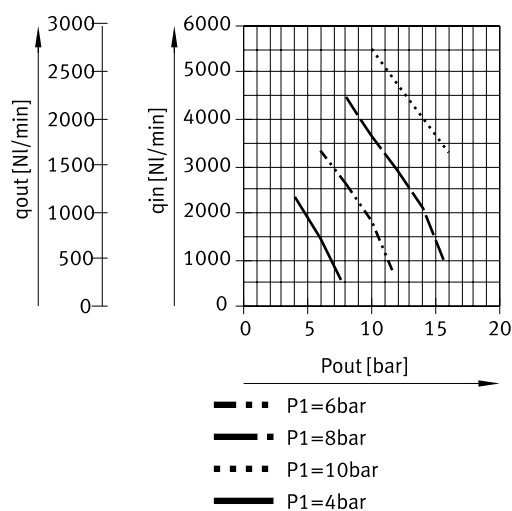


Note: Theoretical values without switching losses and friction.

Datasheet

Flow rate at input $q(\text{in})$ and flow rate at output $q(\text{out})$ as a function of output pressure $p(\text{out})$ – DPA-63

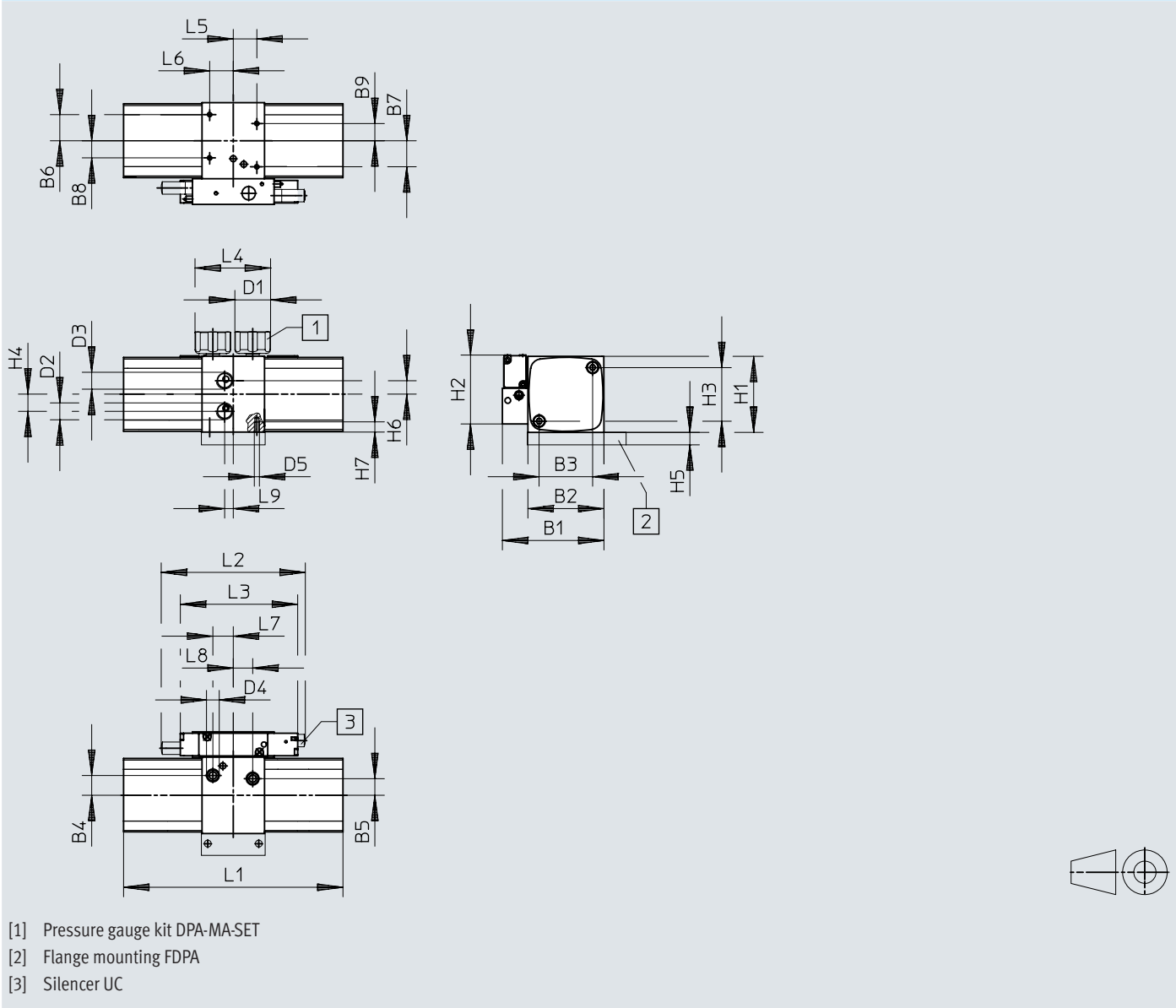
Note: Theoretical values without switching losses and friction.

Flow rate at input $q(\text{in})$ and flow rate at output $q(\text{out})$ as a function of output pressure $p(\text{out})$ – DPA-100

Note: Theoretical values without switching losses and friction.

Dimensions

Dimensions – DPA-40 without pressure regulator Download CAD data www.festo.com



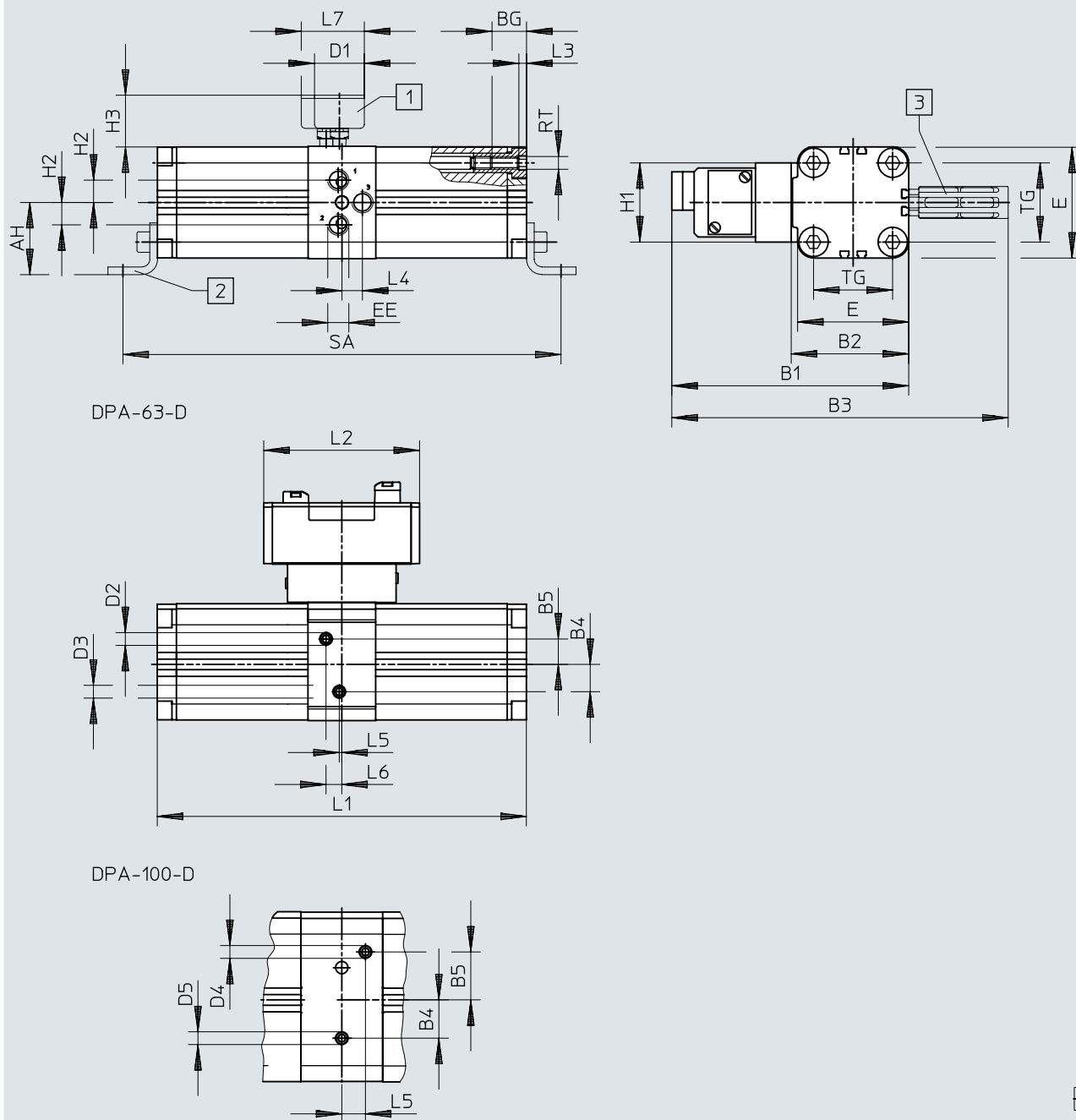
	B1	B2	B3	B4	B5	B6	B7	B8	B9	D1	D2	D3	D4	D5
DPA-40-D	79,6	59,6	42	15,5	13	20,5	20,5	13,5	13,5	28	G1/4	G1/4	G1/8	M4

	H1	H2	H3	H4	H5	H6	H7	L1	L2	L3	L4	L5	L6	L7	L8	L9
DPA-40-D	59,6	53,9	42	13,5	10	10,5	min. 8	172	113	92	59,2	18,5	18,5	16	15,2	6,8

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

Dimensions

Dimensions – DPA-63/100-D without pressure regulator

Download CAD data www.festo.com

- [1] Pressure gauge MA
 [2] Foot mounting HUA
 [3] Silencer U

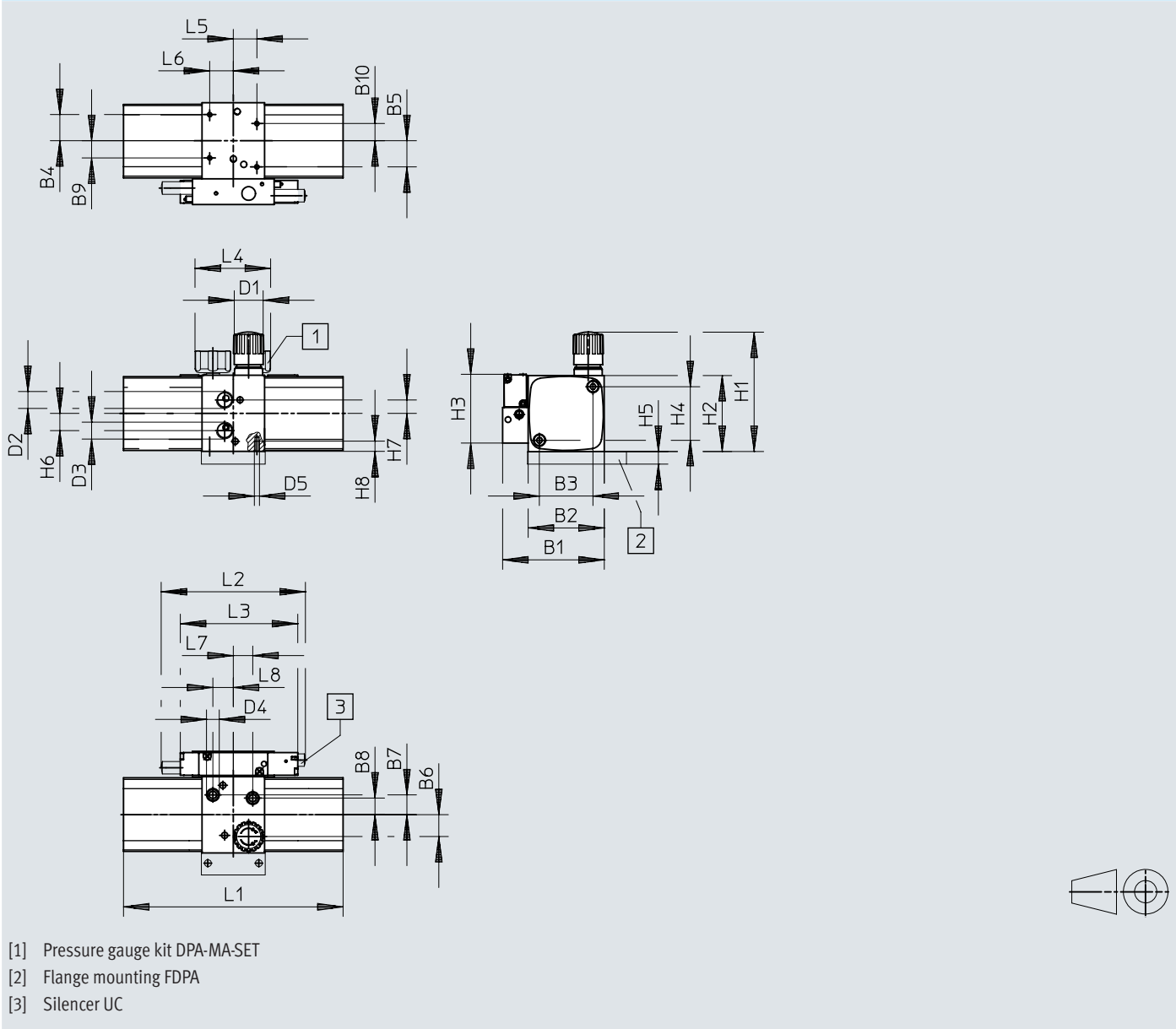
	AH	B1	B2	B3	B4	B5	BG	D1 Ø	E	EE	H1	H2
DPA-63	56,5	187	92,5	266	21,4	19,9	25	39	88	G3/8	62	17,5
DPA-100	81	244	133	352	30	37,5	30		128	G1/2	71	27

	H3	L1	L2	L3	L4	L5	L6	L7	RT	TG	SA
DPA-63	40,5	289	122	6	19	2	12,4	49,4	M10	62	343
DPA-100	40	367	145,5		11	18,5	–	57,5		103	433

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

Dimensions

Dimensions – DPA-40-10/16 with pressure regulator Download CAD data www.festo.com



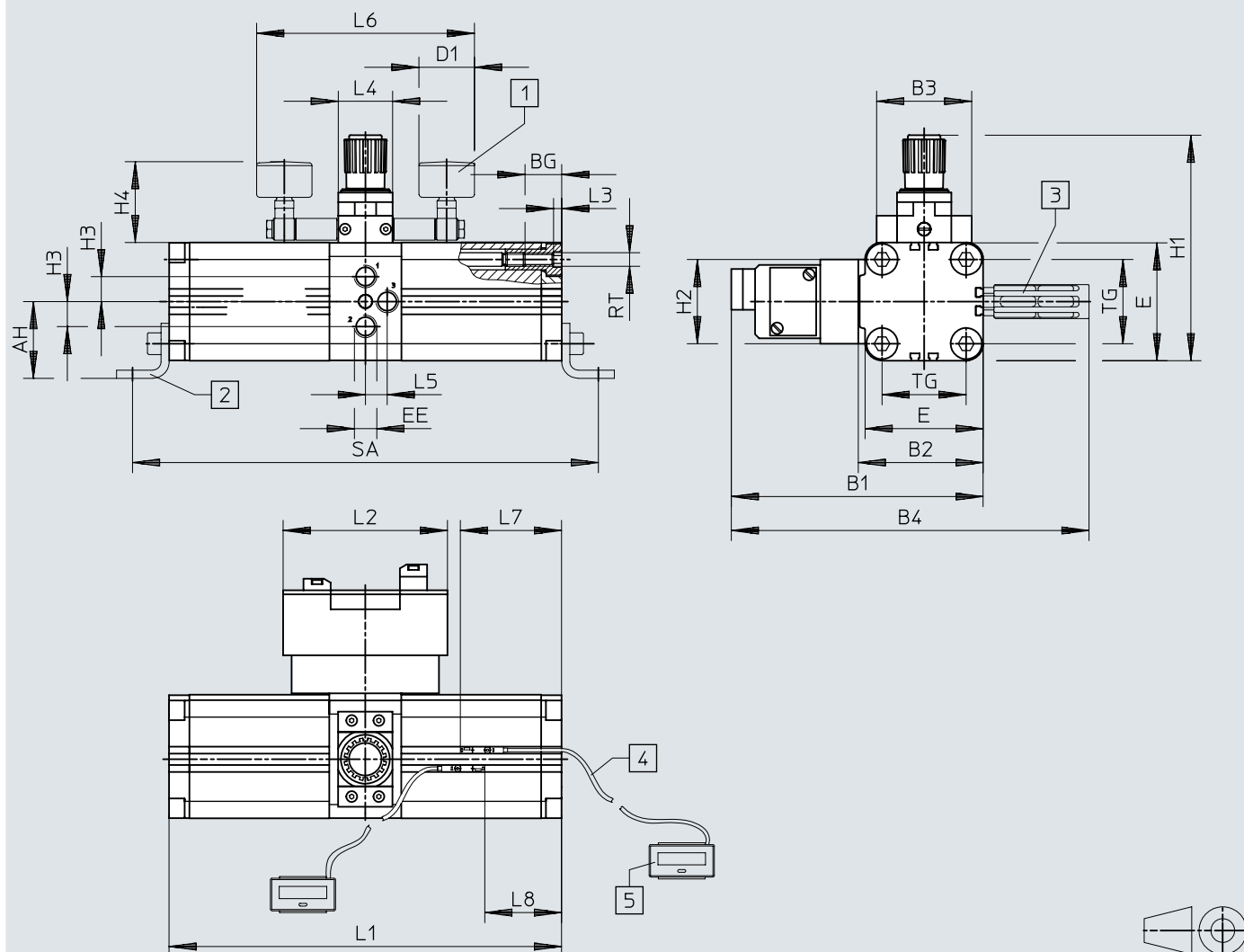
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	D1 Ø	D2	D3	D4	D5
DPA-40-...	79,6	59,6	42	20,5	20,5	17,5	15,5	13	13,5	13,5	22,7	G1/4	G1/4	G1/8	M4

	H1	H2	H3	H4	H5	H6	H7	H8	L1	L2	L3	L4	L5	L6	L7	L8
DPA-40-...	93,6	59,6	53,9	42	10	10,5	10,5	min. 8	172	113	92	59,2	18,5	18,5	15,2	16

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

Dimensions

Dimensions – DPA-63/100-10/16(-A) with pressure regulator

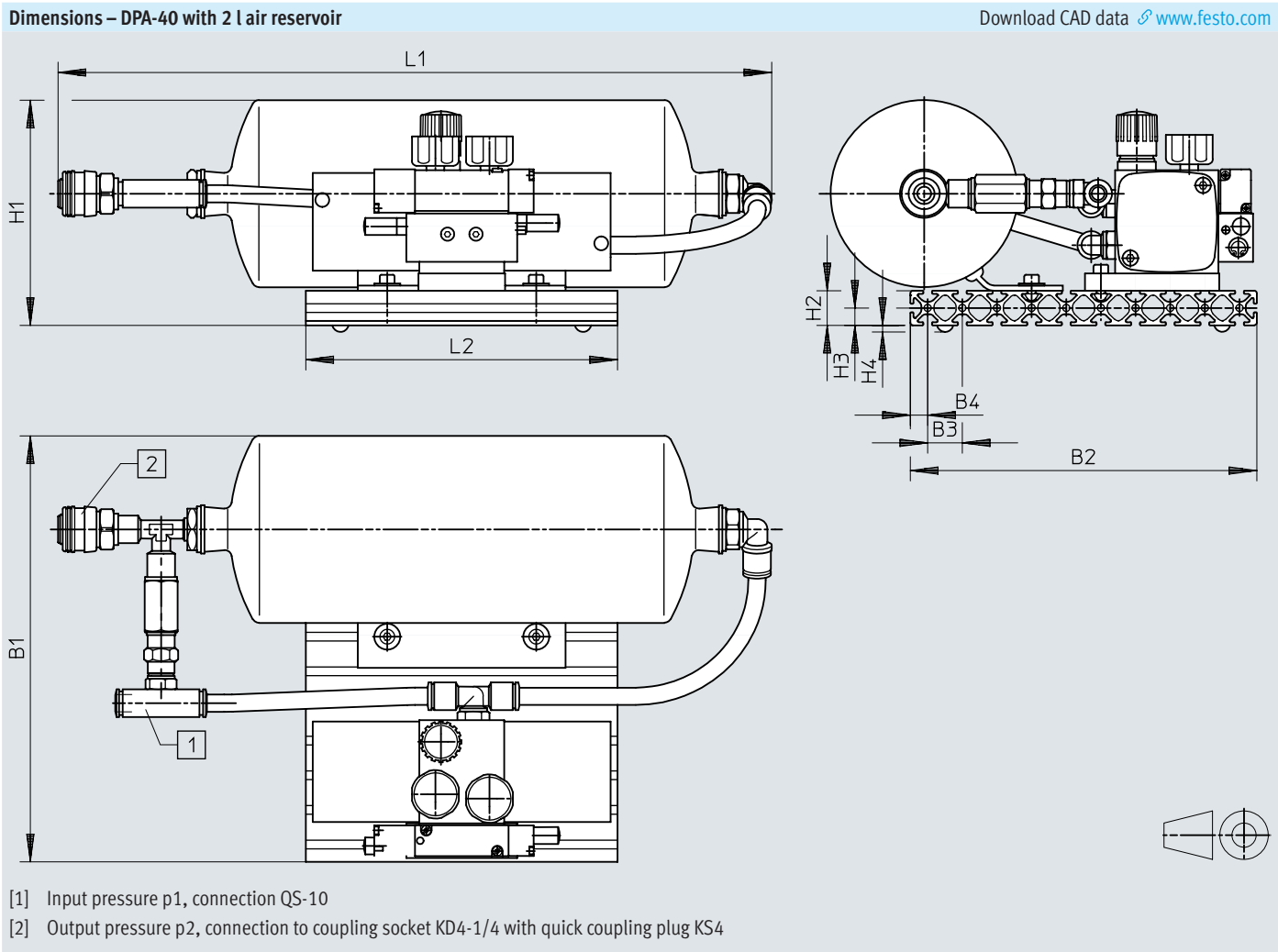
Download CAD data www.festo.com

- [1] Pressure gauge kit DPA-MA-SET
 [2] Foot mounting HUA
 [3] Silencer U
 [4] Proximity switch SMT/SME
 [5] Adding counter CCES-P-C8-E

	AH	B1	B2	B3	B4	BG	D1 Ø	E	EE	H1	H2	H3
DPA-63-10/16	56,5	187	92,5	70	266	25	39	88	G3/8	169	62	17,5
DPA-100-10	81	244	133	102	352	30	39	128	G1/2	244	71	27
DPA-100-16												
	H4	L1	L2	L3	L4	L5	L6	L7	L8	RT	TG	SA
DPA-63-10/16	65	289	122	6	40	19	159	74,5	56,5	M10	62	343
DPA-100-10	75	367	145,5	6	55	11	173	93	75	M10	103	433
DPA-100-16	82,5											

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

Dimensions

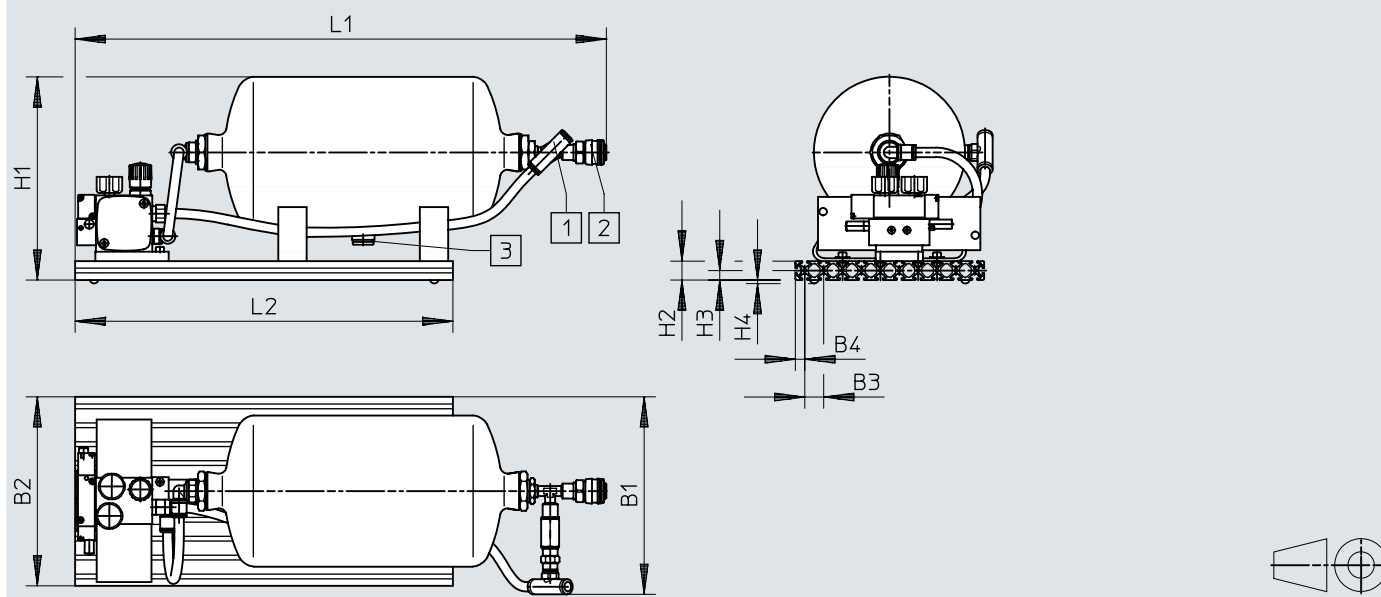


	B1	B2	B3	B4	H1	H2	H3	H4	L1	L2
DPA-40-...	246	200	20	10	130	20	10	4	412	180

Dimensions

Dimensions – DPA-40 with 5 l air reservoir

Download CAD data www.festo.com



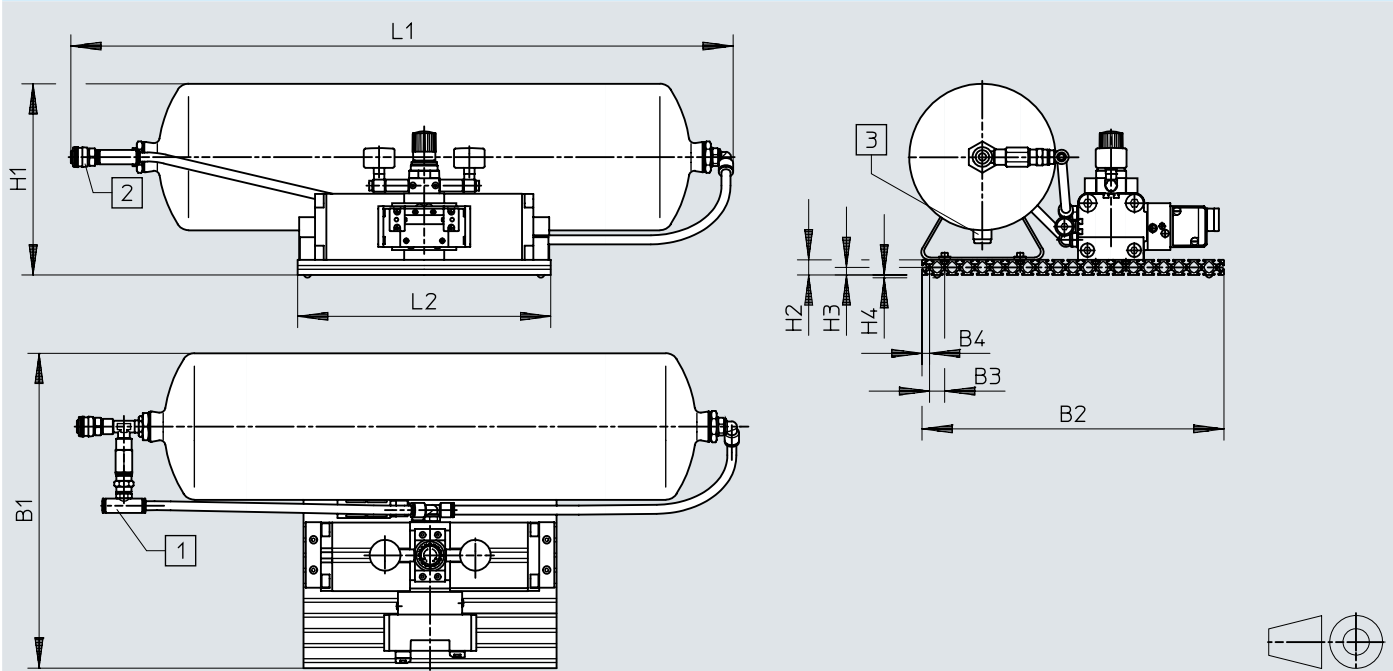
[1] Input pressure p1, connection QS-10

[2] Output pressure p2, connection to coupling socket KD4-1/4 with quick coupling plug KS4

	B1	B2	B3	B4	H1	H2	H3	H4	L1	L2
DPA-40-...	209	200	20	10	215	20	10	4	563	400

Dimensions

Dimensions – DPA-63/100 with 10 l or 20 l air reservoir Download CAD data www.festo.com



- [1] Input pressure p1
- [2] Output pressure p2, connection to coupling socket with quick coupling plug KS4
- [3] Condensate drain, max. tightening torque: 27 Nm

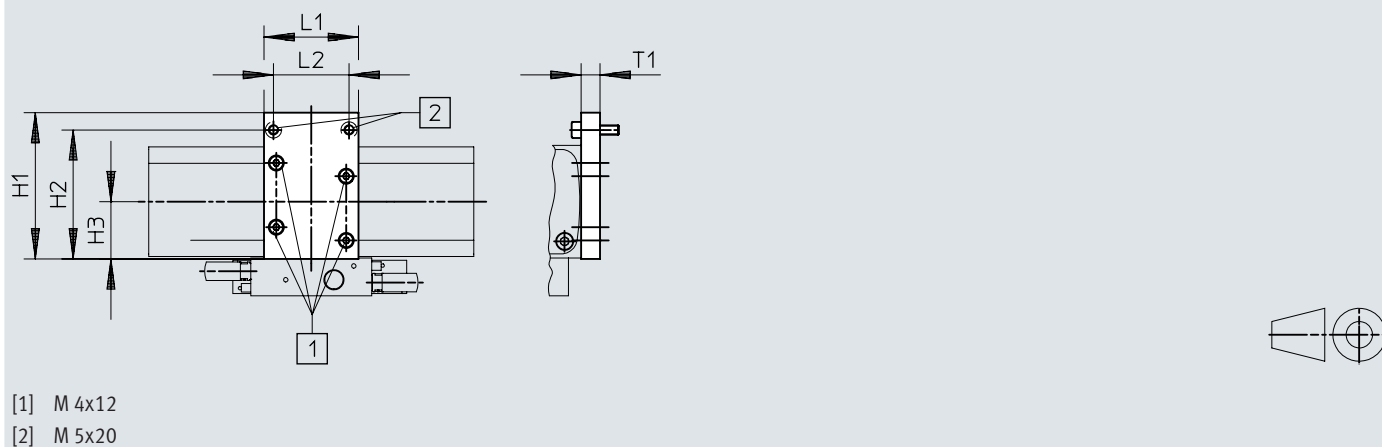
	B1	B2	B3	B4	H1	H2	H3	H4	L1	L2	1)	2)			
DPA-63-10-CRVZS10	400	400	20	10	215	20	10	4	695	335	QSF-12	KD4-3/8			
DPA-63-16-CRVZS10															
DPA-63-10-CRVZS20	417								253			877	335	QSF-12	KD4-3/8
DPA-63-16-CRVZS20												KD4-1/2			
DPA-100-10-CRVZS20	487								253			880	410	QSF-16	KD4-1/2
DPA-100-16-CRVZS20															

1) For DPA-40: 4.5 bar
2) Coupling socket

Dimensions

Dimensions – Flange mounting FDPA for DPA-40

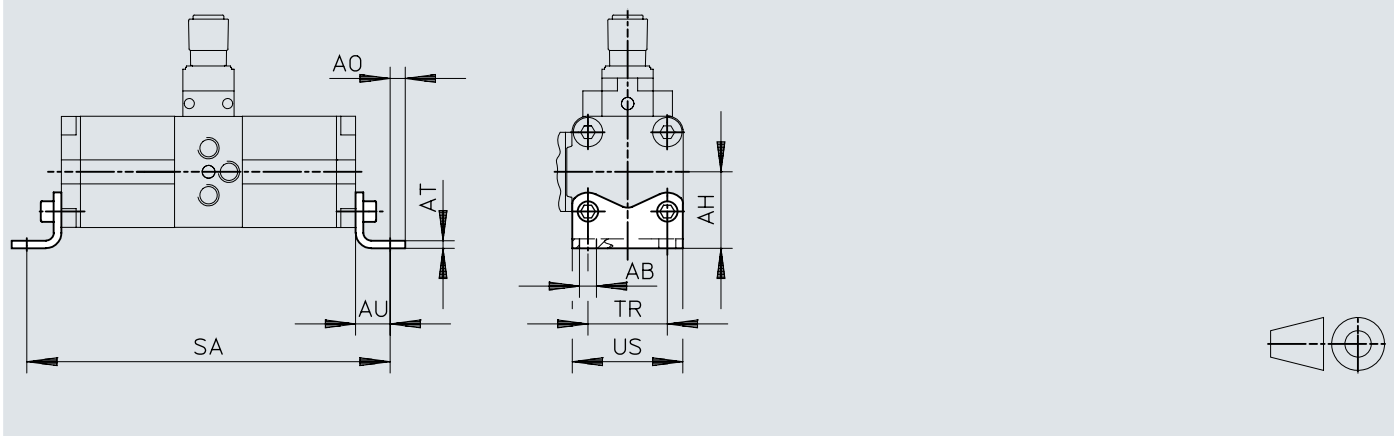
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	H1	H2	H3	L1	L2	T1
FDPA-40	77,5	68,3	30,3	50	40	10

Dimensions

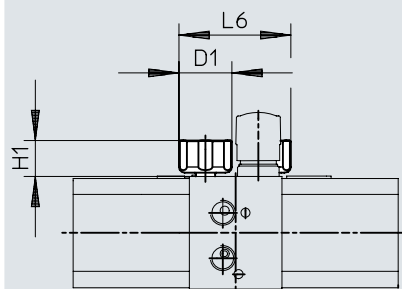
Dimensions – Foot mounting HUA for DPA-63/100

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	AB Ø	AH	AO	AT	AU	SA	TR	US
HUA-63	11	56,5	11,75	6	27	343	62	85,5
HUA-100	13,5	81	11,75	8	33	433	103	126,5

Dimensions

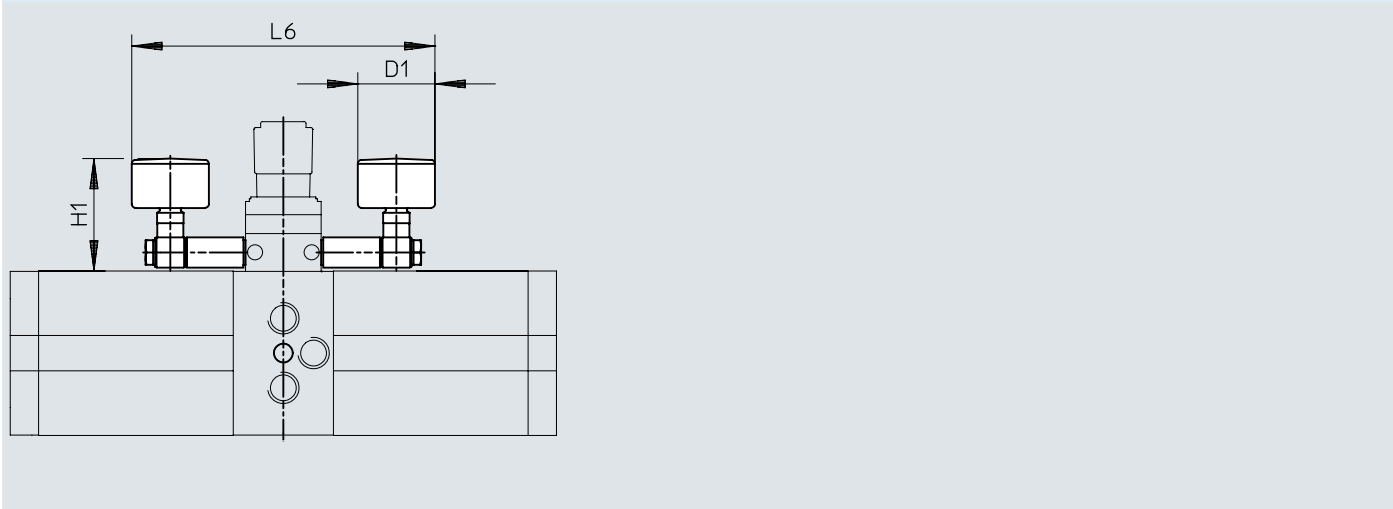
Dimensions – DPA-40-...-MA-SET

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


	D1 Ø	H1	L6
DPA-40-10-MA-SET	28	19	59,2
DPA-40-16-MA-SET			

Dimensions

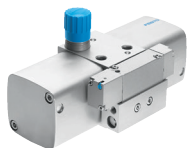
Dimensions – DPA-63/100-...-MA-SET Download CAD data www.festo.com



	D1 Ø	H1	L6
DPA-63-10-MA-SET	39	65	159
DPA-63-16-MA-SET		75	
DPA-100-10-MA-SET	39	82,5	173
DPA-100-16-MA-SET			

Ordering data

Ordering information – Pressure booster DPA



Piston diameter	Output pressure 2	Position sensing	Product weight	Part no.	Type
40 mm	4.5 ... 10 bar	None	1,500 g	537273	DPA-40-10
	4.5 ... 16 bar			537274	DPA-40-16
	5 ... 16 bar			549396	DPA-40-D
63 mm	4 ... 10 bar	For proximity sensor	6,000 g	184518	DPA-63-10
				549399	DPA-63-10-A
	4 ... 16 bar	None		549397	DPA-63-D
				193392	DPA-63-16
				549400	DPA-63-16-A
100 mm	4 ... 10 bar	None	13,000 g	184519	DPA-100-10
				549401	DPA-100-10-A
	4 ... 16 bar	None		549398	DPA-100-D
				188399	DPA-100-16
				549402	DPA-100-16-A

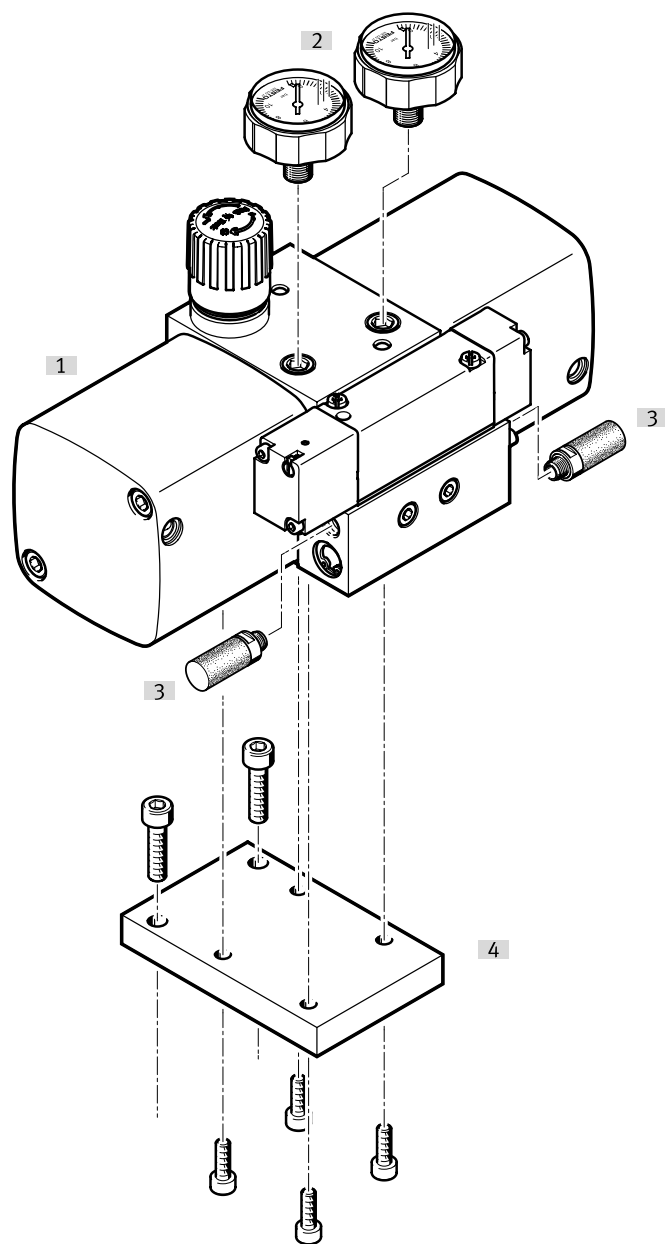
Ordering information – Pressure booster DPA with compressed air reservoir



Piston diameter	Output pressure 2	Volume	Product weight	Part no.	Type
40 mm	4.5 ... 10 bar	2 l	4,400 g	552928	DPA-40-10-CRVZS2
		5 l	7,300 g	552930	DPA-40-10-CRVZS5
	4.5 ... 16 bar	2 l	4,400 g	552929	DPA-40-16-CRVZS2
		5 l	7,300 g	552931	DPA-40-16-CRVZS5
63 mm	4 ... 10 bar	10 l	16,000 g	552932	DPA-63-10-CRVZS10
		20 l	21,500 g	552934	DPA-63-10-CRVZS20
	4 ... 16 bar	10 l	16,000 g	552933	DPA-63-16-CRVZS10
			21,500 g	552935	DPA-63-16-CRVZS20
			30,000 g	552936	DPA-100-10-CRVZS20
				552937	DPA-100-16-CRVZS20
100 mm	4 ... 10 bar		30,000 g		
	4 ... 16 bar				

Peripherals

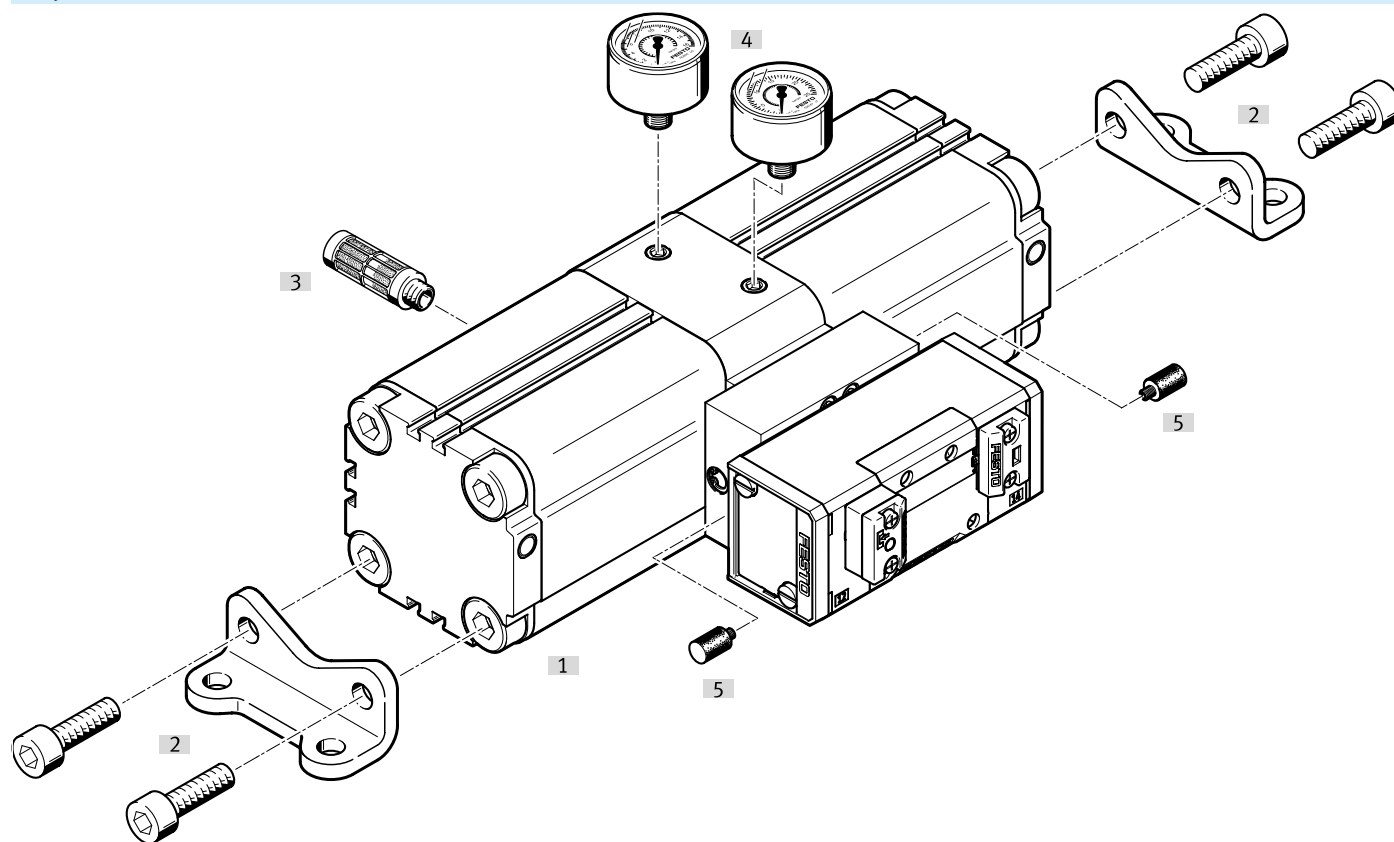
Peripherals overview – DPA-40-10/16/D



Accessories		→ Link
Type/order code	Description	
[1] Pressure booster DPA		↗ dpa
[2] Pressure gauge kit DPA-MA-SET	For monitoring the input and output pressure	28
[3] Silencer UC	For noise reduction at the exhaust port	29
[4] Flange mounting FDPA	For mounting the pressure booster on other machine parts	28

Peripherals

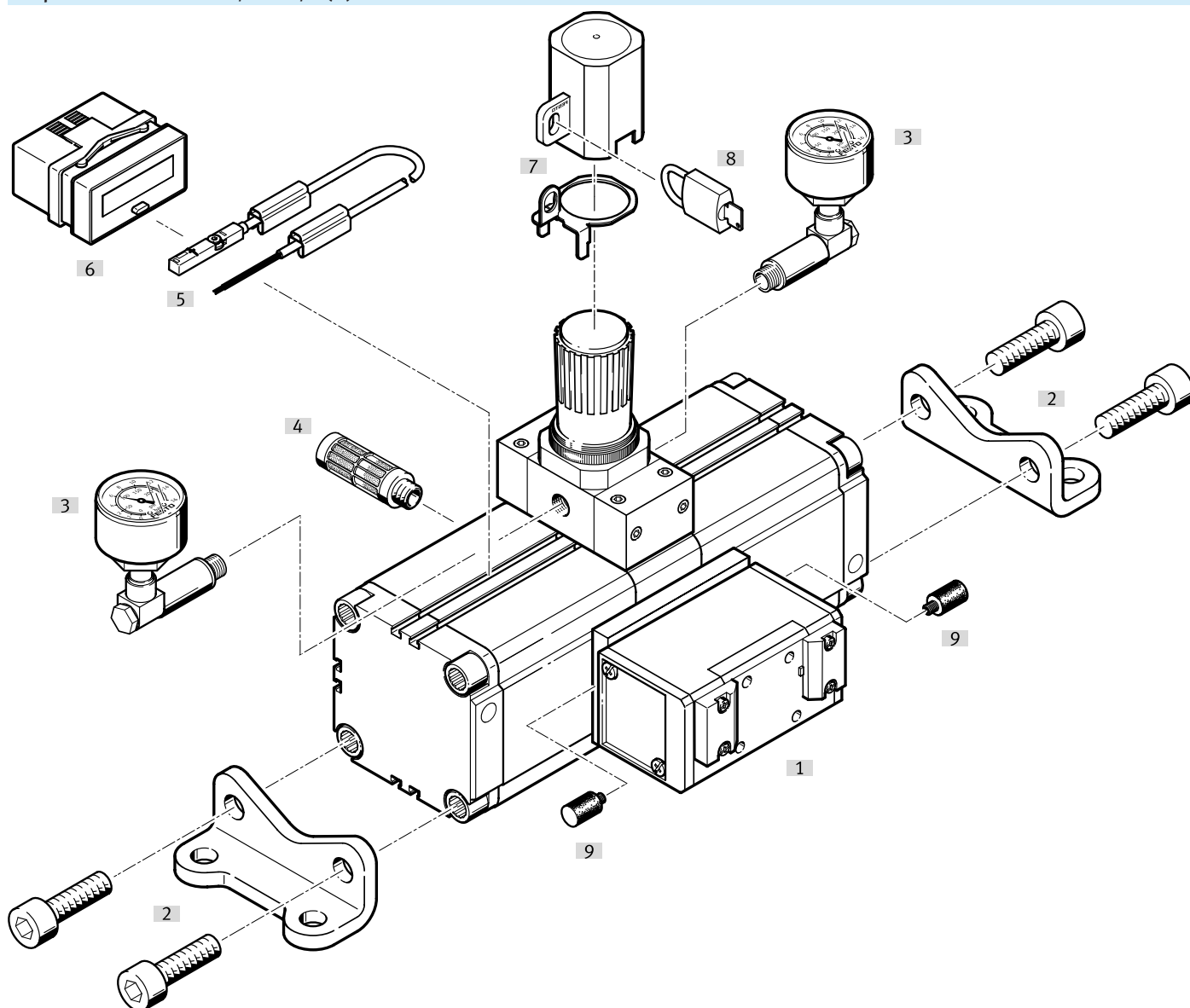
Peripherals overview – DPA-63/100-D



Accessories		→ Link
Type/order code	Description	
[1] Pressure booster DPA		dpa
[2] Foot mounting HUA	For mounting the pressure booster on other machine parts	28
[3] Silencer U-...-B	For noise reduction at the exhaust port	29
[4] Pressure gauge MA	For monitoring the input and output pressure	28
[5] Silencer AMTE-M-LH-M3	For noise reduction at the valve exhaust port	29

Peripherals

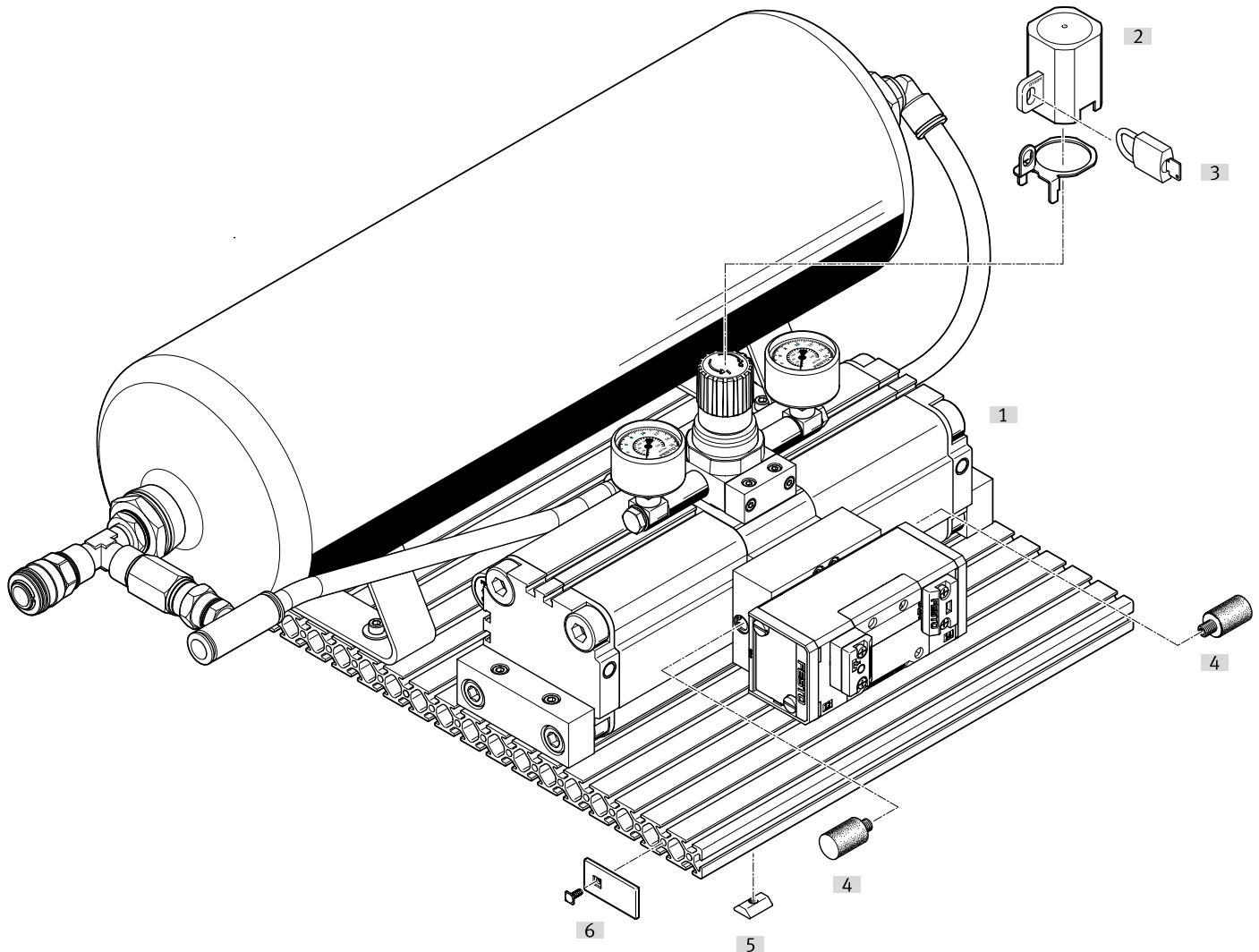
Peripherals overview – DPA-63/100-10/16(-A)



Accessories		→ Link
Type/order code	Description	
[1] Pressure booster DPA		dpa
[2] Foot mounting HUA	For mounting the pressure booster on other machine parts	28
[3] Pressure gauge kit DPA-MA-SET	For monitoring the input and output pressure	28
[4] Silencer U-...-B	For noise reduction at the exhaust port	29
[5] Proximity switch SME/SMT	For sensing individual strokes of the drive piston (DPA-...-A only)	29
[6] Adding counter CCES	For counting the number of switching cycles (DPA-...-A only)	29
[7] Regulator lock LRVS-D with locking plate	Prevents accidental – and, in combination with the padlock LRVS-D, unauthorised – adjustment of the rotary knob	31
[8] Padlock LRVS-D	Accessories for regulator lock LRVS-D	31
[9] Silencer AMTE-M-LH-M3	For noise reduction at the valve exhaust port	29

Peripherals

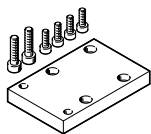
Peripherals overview – DPA with air reservoir CRVZS



Accessories		→ Link
[1]	Pressure booster DPA	dpa
[2]	Regulator lock LRV-S-D with locking plate (only DPA-63/100)	31
[3]	Padlock LRV-S-D (only DPA-63/100)	31
[4]	Silencer AMTE-M-LH-M3 (only DPA-63/100)	29
[5]	Slot nut IPM-VN-05-12/M5-ST	–
[6]	Cover cap IPM-AN-05-20X40-PA	–

Accessories

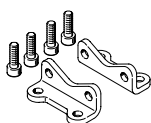
Flange mounting FDPA (for DPA-40)



Size	Corrosion resistance class CRC ¹⁾	Product weight	Part no.	Type
40	2 - Moderate corrosion stress	120 g	540783	FDPA-40

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

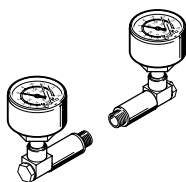
Foot mounting HUA (for DPA-63/100)



Size	Corrosion resistance class CRC ¹⁾	Product weight	Part no.	Type
63	2 - Moderate corrosion stress	581 g	157315	HUA-63
100		1,117 g	157317	HUA-100

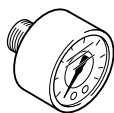
1) More information visit www.festo.com/x/topic/kbk

Pressure gauge kit DPA-...-MA-SET



Description	Nominal size of pressure gauge	Pneumatic connection	Measurement accuracy class	Operating pressure	Part no.	Type
For DPA-40	27	R1/8	4	10 bar	540781	DPA-40-10-MA-SET
				16 bar	540782	DPA-40-16-MA-SET
For DPA-63	40	G1/8	2.5	10 bar	526096	DPA-63-10-MA-SET
16 bar				526097	DPA-63-16-MA-SET	
For DPA-100		G1/4		10 bar	526098	DPA-100-10-MA-SET
				16 bar	526099	DPA-100-16-MA-SET

Pressure gauge MA (for DPA-63/100-D)

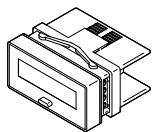


Pneumatic connection ¹⁾	Operating pressure	Product weight	Part no.	Type
G1/8	0 ... 25 bar	60 g	526167	MA-40-25-1/8-EN
R1/8	0 ... 16 bar		529046	MA-40-16-1/8-EN-DPA

1) MA-40-16-1/8-EN-DPA for input pressure; MA-40-25-1/8-EN for output pressure

Accessories

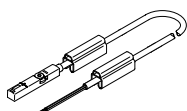
Adding counter CCES (for DPA-63/100-...-A)



Display	Power supply ¹⁾	Product weight	Part no.	Type
8 characters	Lithium battery	30 g	549403	CCES-P-C8-E

¹⁾ Value retention nominal 7 years

Proximity switch SME/SMT (for adding counter CCES)



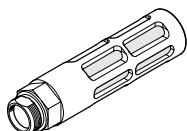
Switching element function	Switching output	Cable length	Product weight	Part no.	Type
N/O contact	Contacting, bipolar	2.5 m	29.8 g	543862	SME-8M-DS-24V-K-2,5-OE

Silencer UC



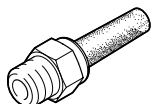
Pneumatic connection	Flow rate to atmosphere	Product weight	Part no.	Type
M7	800 l/min	1.2 g	161418	UC-M7

Silencer U-...-B



Pneumatic connection	Flow rate to atmosphere	Product weight	Part no.	Type
G3/8	5,800 l/min	37 g	6843	U-3/8-B
G1/2	7,500 l/min	75 g	6844	U-1/2-B

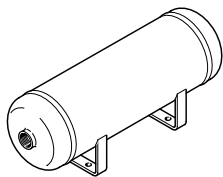
Silencer AMTE-M-LH-M3



Pneumatic connection	Flow rate to atmosphere	Product weight	Part no.	Type
M3	95 l/min	0.4 g	1231120	AMTE-M-LH-M3

Accessories

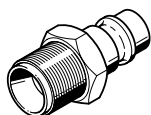
Compressed air reservoir VZS (standard)/CRVZS (stainless steel)



Pneumatic connection	Volume	Material air reservoir	Corrosion resistance class CRC ¹⁾	Product weight	Part no.	Type
G1/8	0.1 l	High-alloy stainless steel	3 - high corrosion stress	226 g	160233	CRVZS-0.1
G1/4	0.4 l			543 g	160234	CRVZS-0.4
	0.75 l			736 g	160235	CRVZS-0.75
G1/2	2 l			1,681 g	160236	CRVZS-2
G1	10 l			6,459 g	160237	CRVZS-10
	20 l			10,208 g	534845	CRVZS-20
		Powder-coated steel	4 - Very high corrosion stress	9,000 g	192161	VZS-20-B
	5 l	High-alloy stainless steel	3 - high corrosion stress	3,581 g	192159	CRVZS-5

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

Quick coupling plug KS4



Pneumatic connection, port 1	Nominal size	Product weight	Part no.	Type
Male thread G1/4	7.85 mm	21 g	2154	KS4-1/4-A
Male thread G3/8		29 g	2155	KS4-3/8-A
Male thread G1/2		55 g	531676	KS4-1/2-A
Female thread G1/4		31 g	531678	KS4-1/4-I
Female thread G3/8		32 g	531679	KS4-3/8-I
Female thread G1/2		57 g	531680	KS4-1/2-I

Plastic tubing PAN (for input pressure)



Pneumatic connection	Shore hardness	Colour	Product weight according to length	Part no.	Type
For push-in connector O.D. 10 mm	D 55 +/-3	Blue	0.042 kg/m	553909	PAN-10X1,5-BL
For push-in connector outside diameter of 12 mm			0.06 kg/m	553910	PAN-12X1,75-BL
For push-in connector O.D. 16 mm			0.092 kg/m	553911	PAN-16X2-BL

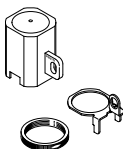
Accessories

Plastic tubing PAN-R (for output pressure)



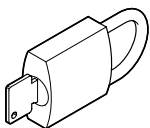
Pneumatic connection	Shore hardness	Colour	Product weight according to length	Part no.	Type
For push-in connector O.D. 10 mm	D 62 +/-3	Silver	0.05 kg/m	541677	PAN-R-10X1,9-SI
For push-in connector outside diameter of 12 mm			0.07 kg/m	541678	PAN-R-12X2,2-SI

Regulator lock LRVS-D (for DPA-63/100)



Short type code	Product weight	Part no.	Type
LRVS	60 g	193782	LRVS-D-MIDI

Padlock LRVS-D



Short type code	Product weight	Part no.	Type
LRVS-D	120 g	193786	LRVS-D