# **FESTO**



Key features

#### **FESTO**

#### Function

The pressure booster is a twin-piston pressure intensifier intended solely for compressing air.

When the DPA is pressurised with compressed air, integrated non-return valves automatically facilitate pressure build-up on the secondary side. The output pressure p2 can increase to up to twice the value of the supply

pressure p1. The required output pressure is set using a manually operated pressure regulator. In the case of pressure boosters without a pressure regulator, the output pressure is always twice the supply pressure. The air supply to both drive pistons is controlled by a pneumatic directional control valve that reverses

automatically when the stroke end position is reached.

The pressure booster starts automatically when the supply pressure is applied and the desired output pressure has not yet been reached. When the set output pressure is reached, the pressure booster

switches to energy-saving mode but restarts automatically if the pressure drops during system operation.
With the DPA with sensing option, it is also possible to record individual strokes of the drive piston with the aid of an external sensor and adding counter.



Pressure boosters are intended for the occasional relieving of compressed air. They are not suitable as a replacement for compressors, as wear on seals and drive pistons increases significantly during continuous operation without breaks. - ▮ -

Note

The pressure regulator is supplied with a non-tensioned regulator spring (DPA-...-10/16 only). After the supply pressure is applied, the regulator spring is pretensioned by turning the regulator knob until the desired output pressure p2 is achieved.

A pressure gauge is strongly recommended to monitor the output pressure p2. In the case of the DPA-63/100, the regulator setting can be secured against unauthorised adjustment by means of the regulator lock LRVS.

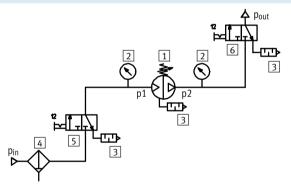
#### Connection to the compressed air network

#### Supply pressure side

The use of a 3/2-way on-off valve (e.g. HE-...-D, HEE-...-D or a similar type) in the air supply line to the pressure booster is recommended. The 3/2-way on-off valve must not be opened until the supply pressure  $p_{in}$  has already built up.

#### Output pressure side

The connection of a 3/2-way on-off valve on the output pressure side of the pressure booster is recommended for safe venting of the output pressure pout. If a 3/2-way valve is not used, the output pressure can only be vented by fully releasing the regulator spring (regulator knob turned all the way to the left).



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Note

If there is a soft-start valve in the system, it is essential that a 3/2-way on-off valve is inserted between the soft-start valve and pressure booster.

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Note

In the case of pressure boosters without pressure regulator, external venting must be ensured via a 3/2-way on-off valve.

- Pressure booster
- 2 Pressure gauge
- 3 Silencer
- 4 Filter

- 5 3/2-way on-off valve on the supply pressure side
- 6 3/2-way on-off valve on the output pressure side

Key features

#### **FESTO**

#### Installation with air reservoir

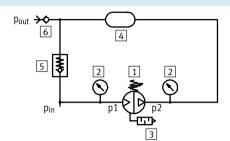
An air reservoir (e.g. CRVZS) should always be used on the output pressure side to compensate for pressure fluctuations. The air reservoir evens out the pulsation of the pressure booster. An effective way of filling the air reservoir with the supply pressure p1 is via a connecting cable. The pressure booster only has to make up

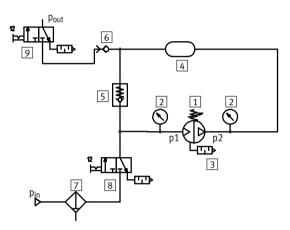
the difference between the supply and output pressures. The air reservoir is filled faster. A non-return valve prevents the air from flowing back out of the reservoir.

This configuration corresponds to the scope of delivery of the pressure booster/air reservoir combination that can be ordered (→ 17).

#### Circuitry with 2 on-off valves

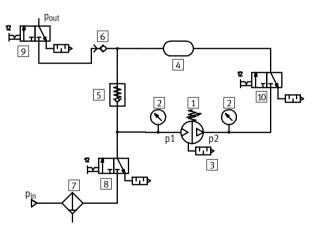
The air reservoir is vented via the regulator knob of the pressure booster.





#### Circuitry with 3 on-off valves

The air reservoir is vented via the additional on-off valve.



- 1 Pressure booster
- 2 Pressure gauge
- 3 Silencer
- 4 Air reservoir
- 5 Non-return valve
- 6 Quick coupling socket
- 7 Filter
- 8 3/2-way on-off valve on the supply pressure side
- 9 3/2-way on-off valve on the output pressure side
- 3/2-way on-off valve for venting the air reservoir

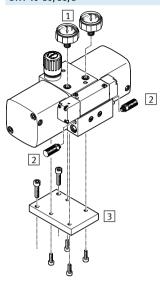


Product range overview

Function	Version	Туре	Piston ∅ [mm]	→ Page/Internet		
Pressure booster	Standard	1				
		DPA	40, 63, 100	5		
	Without pressure regul	ator, double supply pres	sure			
		DPAD	40, 63, 100	5		
	With sensing option					
		DPAA	63, 100	5		
Pressure booster/ air reservoir combination		DPACRVZS	40, 63, 100	17		

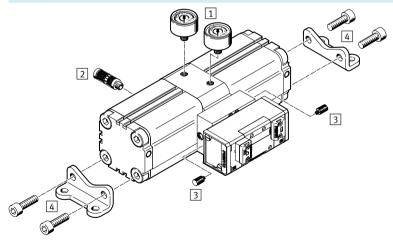
Peripherals overview

## DPA-40-10/16/D



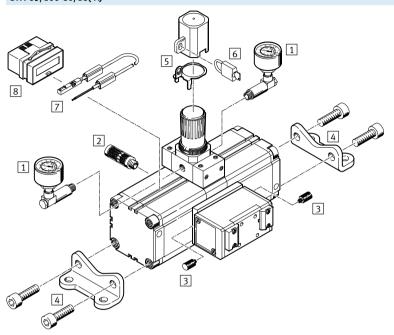
Mounting attachments and accessories		
	Brief description	→ Page/Internet
1 Pressure gauge set DPA-MA-SET	For monitoring the supply and output pressure	24
2 Silencer UC	For noise reduction at the exhaust port	27
3 Flange mounting FDPA	For mounting the pressure booster on other machine parts	23

## DPA-63/100-D



Μοι	Mounting attachments and accessories				
		Brief description	→ Page/Internet		
1	Pressure gauge MA	For monitoring the supply and output pressure	25		
2	Silencer UB	For noise reduction at the exhaust port	27		
3	Silencer AMTE-M-LH-M3	For noise reduction at the valve exhaust port	27		
4	Foot mounting HUA	For mounting the pressure booster on other machine parts	23		

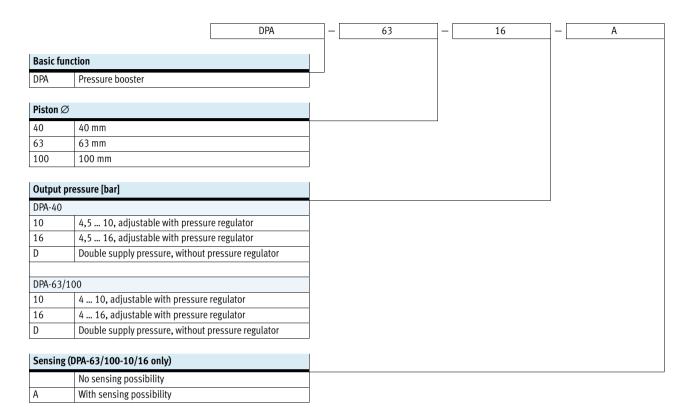
## DPA-63/100-10/16(-A)



Mou	Mounting attachments and accessories				
		Brief description	→ Page/Internet		
1	Pressure gauge set	For monitoring the supply and output pressure	24		
	DPA-MA-SET				
2	Silencer	For noise reduction at the exhaust port	27		
	UB				
3	Silencer	For noise reduction at the valve exhaust port	27		
	AMTE-M-LH-M3				
4	Foot mounting	For mounting the pressure booster on other machine parts	23		
	HUA				
5	Regulator lock	Prevents unintentional, and in conjunction with an LRVS padlock,	27		
	LRVS-D with lock plate	unauthorised adjustment of the rotary knob			
6	Padlock	Accessory for regulator lock LRVS-D	27		
	LRVS-D				
7	Proximity sensor	For registering individual strokes of the drive piston (only DPAA)	26		
	SME-8M/SMT-8M				
8	Adding counter	For counting the switching cycles (only DPAA)	26		
	CCES				



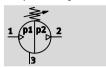
Type codes



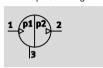
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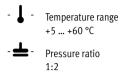
Technical data

Function with pressure regulator



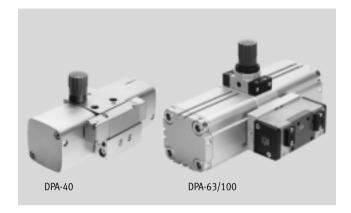
without pressure regulator





Wearing parts kits 
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- Any mounting position
- Long service life
- Compact construction and attractive design
- Minimal loss of volume due to valve actuation
- Short filling times

General technical data – DPA with pressure regulator											
Type DPA-		No sensin	lo sensing option				With sensi	ng option			
		40-10	40-16	63-10	63-16	100-10	100-16	63-10-A	63-16-A	100-10-A	100-16-A
Piston ∅	[mm]	40		63		100		63		100	
Pneumatic connection 1, 2		G1/4		G3/8		G <sup>1</sup> / <sub>2</sub>		G3/8		G <sup>1</sup> / <sub>2</sub>	
Pneumatic connection 3		M7		G <sup>3</sup> / <sub>8</sub> G <sup>1</sup> / <sub>2</sub>			G3/8		G1/2		
Constructional design		Twin-pisto	n pressure bo	oster		·		Twin-piston pressure booster			
		-						With magnet on piston			
Type of mounting Via fem		Via female	/ia female thread								
Mounting position Any											
Pressure indication		G¹/8 prepa	G¹/8 prepared		ıred	G1/4 prepa	red	G1/8 prepa	red	G1/4 prepar	ed

Note: This product conforms to ISO 1179-1 and to ISO 228-1

General technical data – DPA without pressure regulator						
Type DPA-	40-D	63-D	100-D			
Piston ∅ [mr	m] 40	63	100			
Pneumatic connection 1, 2	G1/4	G <sup>3</sup> / <sub>8</sub>	G½			
Pneumatic connection 3	M7	G <sup>3</sup> / <sub>8</sub>	G½			
Constructional design	Twin-piston pressure boo	Twin-piston pressure booster				
Type of mounting	Via female thread					
Mounting position	Any					
Pressure indication	G <sup>1</sup> /8 prepared					

Note: This product conforms to ISO 1179-1 and to ISO 228-1



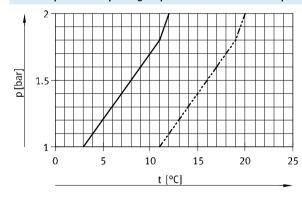
Technical data

Operating and environmenta	Operating and environmental conditions						
Type DPA-		DPA with pressure	regulator		DPA without pressure reg		
		40-10	40-16	63/100-10(-A)	63/100-16(-A)	40-D	63/100-D
Operating pressure/ input pressure	[bar]	2.5 8	2.5 10	2 8	2 10	2.5 8	2 8
Pressure regulation range/ output pressure	[bar]	4.5 10 <sup>1)</sup>	4.5 16 <sup>1)</sup>	4 10 <sup>1)</sup>	4 16 <sup>1)</sup>	5 16	4 16
Operating medium		Compressed air in a	accordance with ISO	8573-1:2010 [7:3:4]			
		Compressed air in accordance with ISO 8573-1:2010 [7:4:4] <sup>3)</sup>					
Note on operating/pilot mediu	ım	Operation with lubricated medium not possible					
Ambient temperature	[°C]	+5 +60					
Storage temperature	[°C]	+5 +60					
Corrosion resistance class CRO	2)	2					

- 1) The differential pressure between the supply and output pressure must be at least 2 bar.
  - If the regulator spring is at maximum tension (rotary knob turned all the way clockwise), the maximum output pressure can be exceeded by 40 %:
  - Max. 14 bar on DPA-...-10
- Max. 22 bar on DPA-...-16

  2) Corrosion resistance class CRC 2 to Festo standard FN 940070
  - Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.
- A higher pressure dew point of max. +3°C is possible if the following condition is met to prevent condensation forming in the pressure booster. The minimum operating temperature must always be at least 8 K higher than the pressure dew point, see diagram ightharpoonup page 9

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

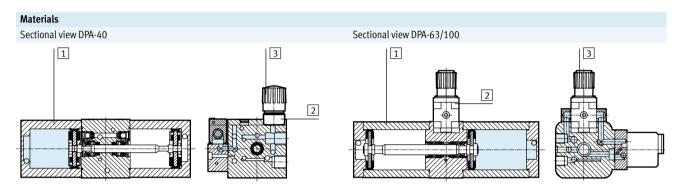


Pressure dew point ---- Minimum operating temperature



Weight [g]			
Type DPA-	40	63	100
Pressure booster	1,500	6,000	13,000

Recommended tubing			
Type DPA-	40	63	100
For supply pressure	PAN-10x1,5	PAN-16x2	PAN-16x2
For output pressure	PAN-R-8x1,5	PAN-R-16x3	PAN-R-16x3

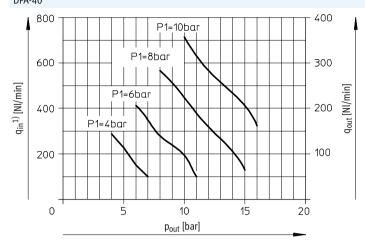


Pressure booster	DPA-40	DPA-63/100-10	DPA-63/100-16
1 Housing	Aluminium		
2 Support	Aluminium	PET	Aluminium
3 Rotary knob	POM		
<ul> <li>Piston/piston rod seals</li> </ul>	HNBR	PUR	
<ul> <li>Non-return valve seals</li> </ul>	NBR	FKM	
<ul> <li>Regulator/valve seals</li> </ul>	NBR		
Note on materials	RoHS-compliant	•	

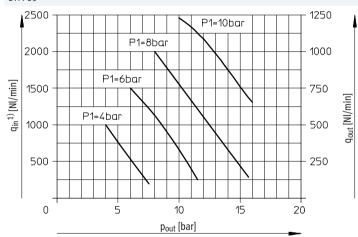
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Technical data

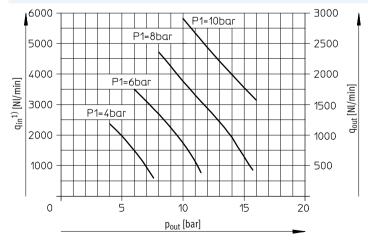
# Flow rate at input $q_{in}{}^{1)}$ and flow rate at output $q_{out}$ as a function of output pressure $p_{out}$ DPA-40



#### DPA-63

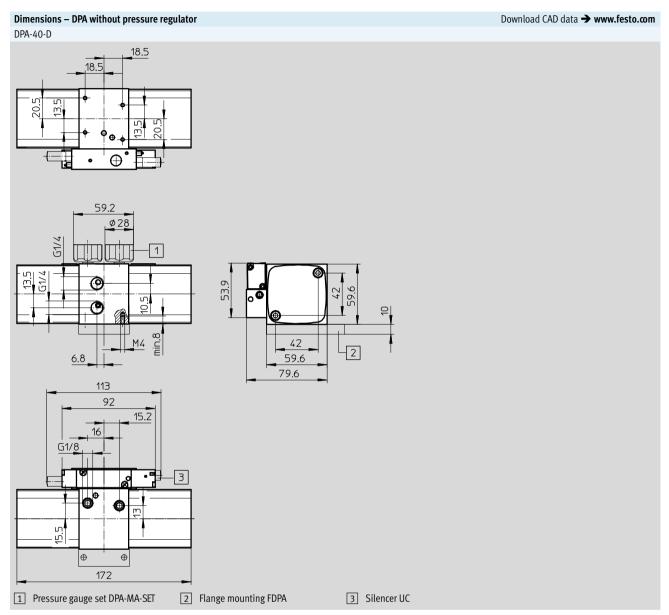


#### DPA-100



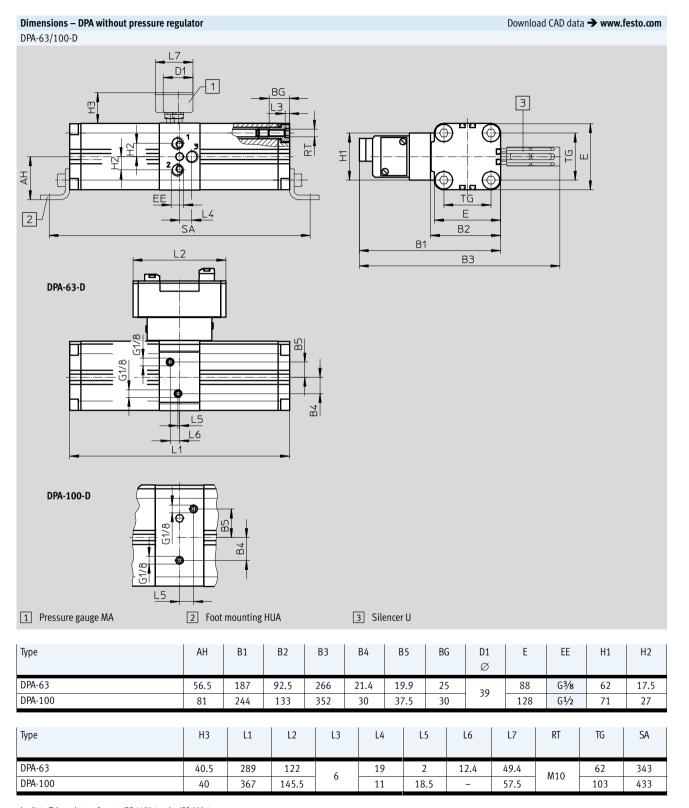
1) Theoretical values without switching losses and friction.

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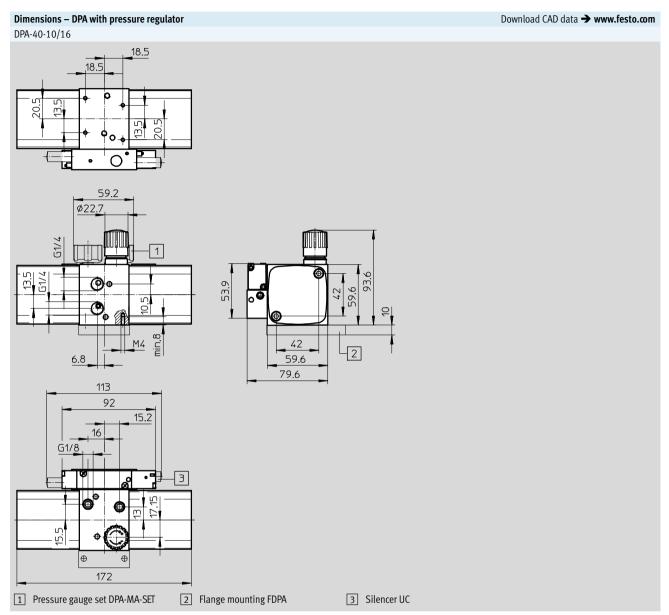
 $<sup>\</sup>ensuremath{|\!|}\cdot$  Note: This product conforms to ISO 1179-1 and to ISO 228-1

**FESTO** 



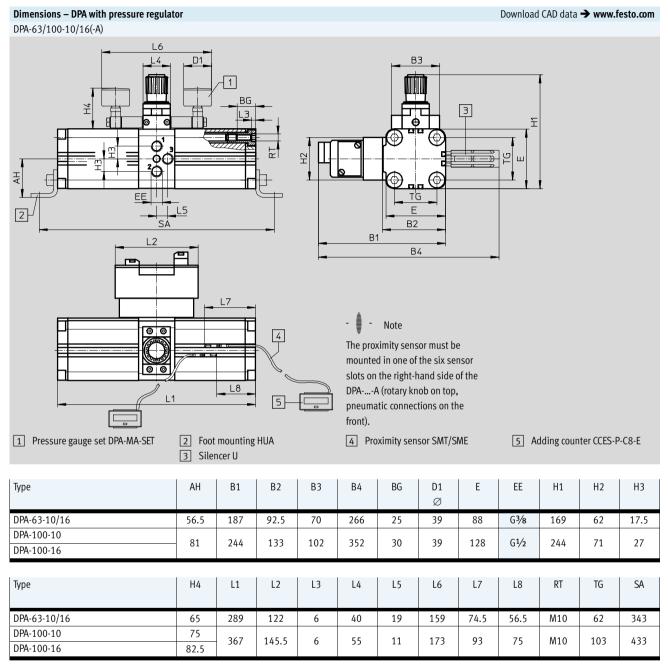
 $<sup>\</sup>parallel$  . Note: This product conforms to ISO 1179-1 and to ISO 228-1

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Note: This product conforms to ISO 1179-1 and to ISO 228-1

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Note: This product conforms to ISO 1179-1 and to ISO 228-1



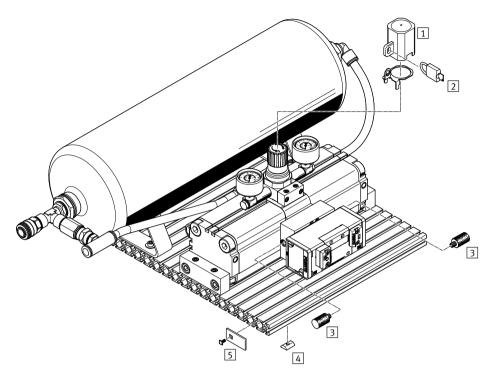
Ordering data			
Piston ∅	Output pressure 4 <sup>1)</sup> 10 bar	Output pressure 4 <sup>1)</sup> 16 bar	Double supply pressure
[mm]	Part No. Type	Part No. Type	Part No. Type
No sensing option			
40	537273 DPA-40-10	537274 DPA-40-16	549396 DPA-40-D
63	184518 DPA-63-10	193392 DPA-63-16	549397 DPA-63-D
100	184519 DPA-100-10	188399 DPA-100-16	549398 DPA-100-D
With sensing option			
63	549399 DPA-63-10-A	549400 DPA-63-16-A	-
100	549401 DPA-100-10-A	549402 DPA-100-16-A	-

<sup>1)</sup> For DPA-40: 4.5 bar

Ordering data – Wearing parts kits				
Туре	Product series	Part No.	Туре	
DPA-40-10/16		707308	DPA-40-10/16	
DPA-63-10/16	From SN to VN	397400	DPA-63-10/16	
	From VD	738338	DPA-63-10/16	
DPA-100-10/16	From SN to VN	397401	DPA-100-10/16	
	From VD	738339	DPA-100-10/16	

# Pressure boosters DPA, with air reservoir Peripherals overview



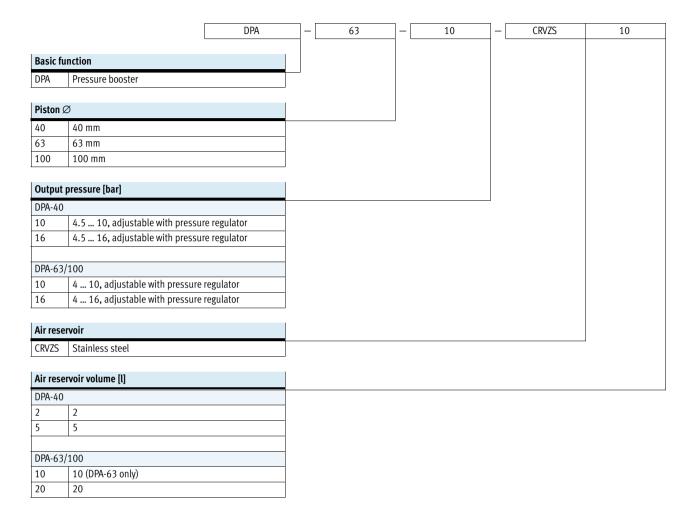


Acce	essories		
		Brief description	→ Page/Internet
1	Regulator lock (DPA-63/100 only)	Prevents unintentional, and in conjunction with a padlock LRVS-D, unauthorised adjust-	27
	LRVS-D with lock plate	ment of the rotary knob	
2	Padlock (DPA-63/100 only)	Accessory for regulator lock LRVS-D	27
	LRVS-D		
3	Silencer (DPA-63/100 only)	For noise reduction at the valve exhaust port	27
	AMTE-M-LH-M3		
4	Slot nut	For attaching the slotted profile plate	On request
	IPM-VN-05-12/M5-ST	DPA-40CRVZS2: 4 pieces, DPA-40CRVZS5: 6 pieces, DPA-63/100: 8 pieces	
5	Cover	For covering the cut edge of the slotted profile plate	On request
	IPM-AN-05-20X40-PA	DPA-40: 5 pieces per cut edge, DPA-63/100: 10 pieces per cut edge	

# Pressure boosters DPA, with air reservoir



Type code:

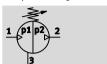


# Pressure boosters DPA, with air reservoir



Technical data

Function
Pressure booster
with pressure regulator





Temperature range +5 ... +60 °C



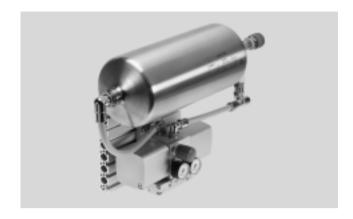
Pressure ratio 1:2



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Wearing parts kits

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Combination of pressure booster, air reservoir in stainless steel design, bypass with non-return valve for constant filling of the air reservoir

with the system pressure, pressure gauge set, silencer, fitting and quick coupling.

- Convenient all-in-one solution
- Ideally matched components
- Combination fully mounted on a slotted profile plate

General technical data												
Pressure booster DPA		40-10	40-16	40-10	40-16	63-10	63-16	63-10	63-16	100-10	100-16	
Air reservoir		CRVZS2	CRVZS2	CRVZS5	CRVZS5	CRVZS10	CRVZS10	CRVZS20	CRVZS20	CRVZS20	CRVZS20	
Piston Ø	[mm]	40				63	63				100	
Air reservoir volume	[l]	2	2 5			10		20		20		
Pneumatic connection 1		QS-10	QS-10				QS-12			QS-16		
Pneumatic connection 2		KD4										
Pneumatic connection 3		Silencer										
Constructional design		Twin-pisto	n pressure b	ooster, with	air reservoir,	with pressu	re gauge, wit	h non-return	valve			
Type of mounting		Via slot ni	uts									
Mounting position		Any Condensate drain underneath										
Pressure display		Via pressure gauge										
Product weight	[g]	4,400		7,300		16,000		21,500		30,000		

O											
Operating and environmental conditions	S										
Pressure booster DPA	40-10	40-16	40-10	40-16	63-10	63-16	63-10	63-16	100-10	100-16	
Air reservoir	CRVZS2	CRVZS2	CRVZS5	CRVZS5	CRVZS10	CRVZS10	CRVZS20	CRVZS20	CRVZS20	CRVZS20	
Operating pressure/ [bar]	2.5 8				2 8						
input pressure											
Pressure regulation range/ [bar]	4.5 10	4.5 16	4.5 10	4.5 16	4 10	4 16	4 10	4 16	4 10	4 16	
output pressure											
Operating medium	Compresse	Compressed air in accordance with ISO 8573-1:2010 [7:3:4]									
	Compresse	d air in acco	rdance with ISO 8573-1:2010 [7:4:4] <sup>2)</sup>								
Note on operating/pilot medium	Operation v	with lubricat	ed medium r	not possible							
Ambient temperature [°C]	+5 +60										
Storage temperature [°C]	+5 +60										
Corrosion resistance class CRC <sup>1)</sup> 2											
CE mark (see declaration of conformity)	In accordance with EU Pressure Equipment Directive										

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

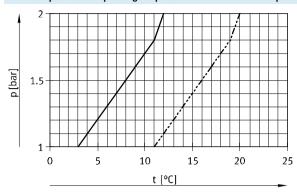
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

<sup>2)</sup> A higher pressure dew point of max. +3°C is possible if the following condition is met to prevent condensation forming in the pressure booster. The minimum operating temperature must always be at least 8 K higher than the pressure dew point, see diagram → page 20

# Pressure boosters DPA, with air reservoir Technical data

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



- Pressure dew point ---- Minimum operating temperature

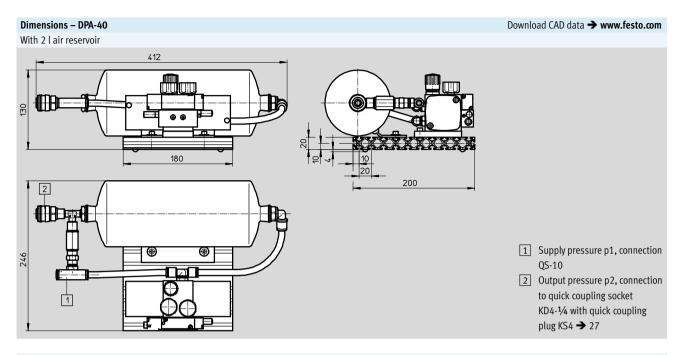
Materials						
Pressure booster	→ 10					
Air reservoir	High-alloy stainless steel					
Slotted profile plate	Aluminium					
Note on materials	RoHS-compliant					

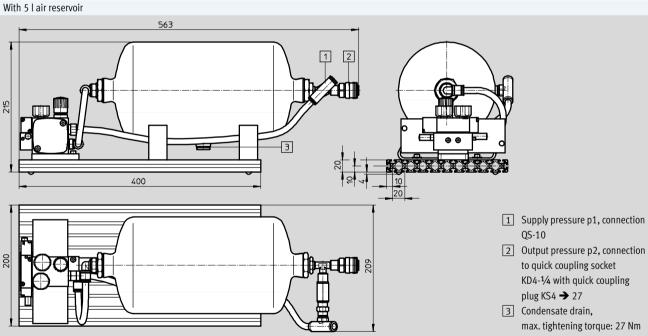
Recommended tubing			
Type DPA-	40	63	100
For supply pressure	PAN-10x1,5	PAN-12x1,75	PAN-16x2
For output pressure	PAN-R-8x1,5, PAN-R-10x1,9,	PAN-R-16x3	PAN-R-16x3
	PAN-R-12x2,2		



# Pressure boosters DPA, with air reservoir

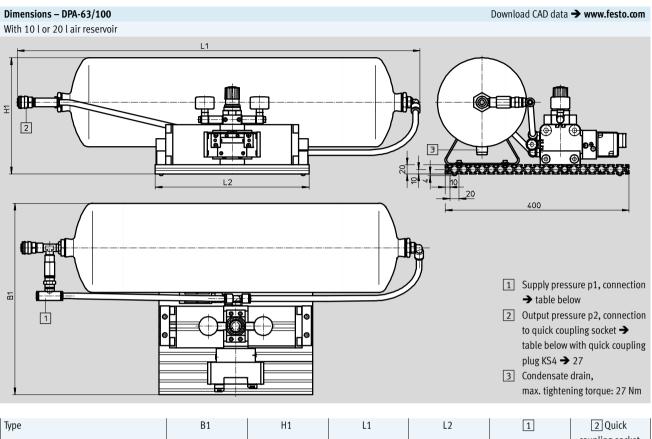






# Pressure boosters DPA, with air reservoir





Туре	B1	H1	L1	L2	1	2 Quick coupling socket	
DPA-63-10-CRVZS10	400	215	695	335	0S-12	KD4- <sup>3</sup> /8	
DPA-63-16-CRVZS10	400	215	095	333	Q3-12	KD4-78	
DPA-63-10-CRVZS20	417	252	0.77	225	QS-12	KD4-3/8	
DPA-63-16-CRVZS20	417	253	877	335	Q3-12	ND4-78	
DPA-100-10-CRVZS20	487	253	880	410	0S-16	KD4-1/2	
DPA-100-16-CRVZS20	407	233	000	410	Q3-10	ND4-72	

Ordering data			
$Piston\varnothing$	Volume	Output pressure 4 <sup>1)</sup> 10 bar	Output pressure 4 <sup>1)</sup> 16 bar
[mm]	[1]	Part No. Type	Part No. Type
40	2	552928 DPA-40-10-CRVZS2	552929 DPA-40-16-CRVZS2
	5	552930 DPA-40-10-CRVZS5	552931 DPA-40-16-CRVZS5
63	10	552932 DPA-63-10-CRVZS10	552933 DPA-63-16-CRVZS10
	20	552934 DPA-63-10-CRVZS20	552935 DPA-63-16-CRVZS20
100	20	552936 DPA-100-10-CRVZS20	552937 DPA-100-16-CRVZS20

<sup>1)</sup> For DPA-40: 4.5 bar

Ordering data - We	earing parts kits		
Туре	Product series	Part No.	Туре
DPA-40-10/16		707308	DPA-40-10/16
DPA-63-10/16	From SN to VN	397400	DPA-63-10/16
	From VD	738338	DPA-63-10/16
DPA-100-10/16	From SN to VN	397401	DPA-100-10/16
	From VD	738339	DPA-100-10/16

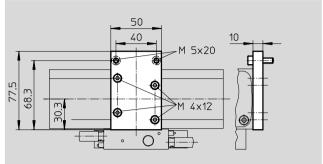
Accessories

#### **FESTO**

# Flange mounting FDPA for DPA-40

Material: Mounting: anodised aluminium Screws: galvanised steel Free of copper and PTFE





Ordering data				
For type	CRC <sup>1)</sup>	Weight	Part No.	Туре
		[g]		
DPA-40	2	120	540783	FDPA-40

1) Corrosion resistance class CRC 2 to Festo standard FN 940070

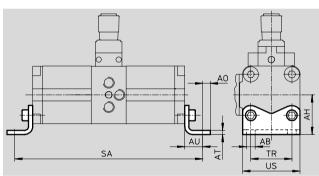
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

# Foot mounting HUA for DPA-63/100

Material:

Mounting, screws: galvanised steel Free of copper and PTFE





Ordering data												
For type	AB	AH	AO	AT	AU	SA	TR	US	CRC <sup>1)</sup>	Weight	Part No.	Туре
	Ø									[g]		
DPA-63	11	56.5	11.75	6	27	343	62	85.5	1	581	157315	HUA-63
DPA-100	13.5	81	11.75	8	33	433	103	126.5	1	1,117	157317	HUA-100

<sup>1)</sup> Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

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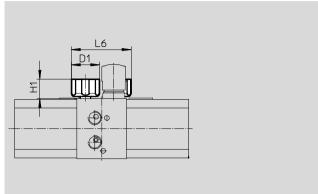
Accessories

# Pressure gauge set DPA-MA-SET for DPA-40-10/16/D

The pressure gauges generally have to be sealed with PTFE sealing tape.

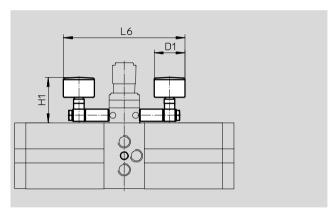
Single pressure gauge MA-27-...-R¹/8:
Technical data → Internet: ma-27





#### for DPA-63/100-10/16





General technical data							
For type	DPA-40	DPA-63	DPA-100				
Pneumatic connection	R <sup>1</sup> /8	G1/8	G¹/4				
Nominal size of pressure gauge	27	40	40				
Design	Bourdon-tube pressure gauge						
Based on standard	EN 837-1						
Type of mounting	With external thread						
Mounting position	Any						
Ambient temperature [°C]	+5 +60						
Measurement accuracy class	4 2.5 2.5						
Protection class	IP43						
Weight [g]	16	250	305				

Materials		
Nominal size of pressure gauge	27	40
Housing	PA (colour: black)	ABS (colour: black)
Inspection window	PS	PS
Note on materials	RoHS-compliant	

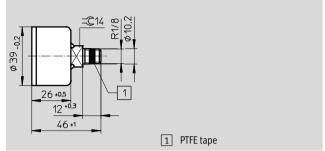
Dimensions and o	ordering data					
For type	D1 Ø	H1	L6	Operating pressure [bar]	Part No.	Туре
DPA-40	28	19	59.2	10	540781	DPA-40-10-MA-SET
				16	540782	DPA-40-16-MA-SET
DPA-63	39	65	159	10	526096	DPA-63-10-MA-SET
	39			16	526097	DPA-63-16-MA-SET
DPA-100	39	75	173	10	526098	DPA-100-10-MA-SET
	39	82.5	1/3	16	526099	DPA-100-16-MA-SET

Accessories

# Pressure gauge MA, to EN 837-1 for DPA-63/100-D

Material: Housing: acrylic butadiene styrene (colour: black) Inspection window: polystyrene Threaded plug/Materials in contact with the medium: brass Conforms to RoHS





General technical data		
Nominal size		40
Pneumatic connection		R <sup>1</sup> / <sub>8</sub>
Operating medium		Neutral liquids
		Neutral gases
		Not permitted: Oxygen
		Not permitted: Acetylene
Design		Bourdon-tube pressure gauge
Based on standard		EN 837-1
Type of mounting		Inline installation
Connection position		Centred, rear side
Ambient temperature	[°C]	-20 +60
Temperature of medium	[°C]	-20 +60
Measurement accuracy class		2.5
Continuous load factor		0.75
Intermittent load factor		0.66
Protection class		IP43
Weight	[g]	60

Ordering data						
For type	Pressure control	Operating pressure	Indicating range		Part No.	Туре
		[bar]	[bar]	[psi]		
DPA-63/100-D	For supply pressure	0 16	0 16	0 232	529046	MA-40-16-½-EN-DPA
	For output pressure	0 25	0 25	0 360	526167	MA-40-25-½-EN

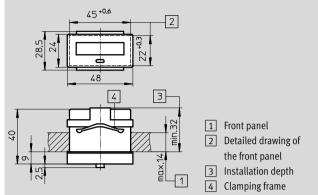
**FESTO** 

Accessories

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

Material: Housing: Polycarbonate Conforms to RoHS





Ordering data					Technical data → Internet: cces
For type	Display	Power supply	Weight [g]	Part No.	Туре
DPA-63/100A	8-digit	Lithium battery (nominal value retention 7 years)	30	549403	CCES-P-C8-E

Ordering data – Pro	ximity sensor SME/SMT fo		Technical data → Internet: sme-8m, smt-8m			
	Switching element	Switch output	Electrical connection	Cable length	Part No.	Туре
	function			[m]		
	N/O contact	Contacting, bipolar	Cable, 3-wire	2.5	543862	SME-8M-DS-24V-K-2,5-OE
		PNP	Cable, 3-wire	2.5	543867	SMT-8M-PS-24V-K-2,5-0E
				1		



Note

Please note the following points:

- The abovementioned proximity sensor SME can be connected to the adding counter as a 2-wire switch without additional power supply.
- If using other proximity sensors, an additional power supply is needed

and the clock pulse input of the adding counter must be reprogrammed from NPN to PNP.

- Screened cables must be used for cables longer than 3 m.
- The maximum permissible cable length is 30 m.

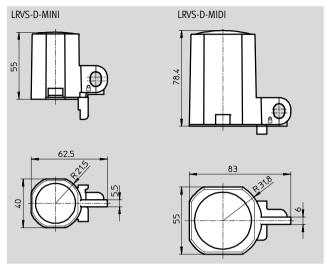
**FESTO** 

Accessories

# Regulator lock LRVS for DPA-63/100

Material: Cap: polyacetal Lock plate: steel Knurled nut: aluminium Free of copper and PTFE





Ordering data			
For type	Weight	Part No.	Туре
	[g]		
DPA-63	40	193781	LRVS-D-MINI
DPA-100	60	193782	LRVS-D-MIDI

Ordering data								
	Pneumatic connection	Part No.	Туре		Volume [l]	Part No.	Туре	PU <sup>1)</sup> [m]
Silencer UC			Technical data → Internet: u	Compressed air res	ervoir	-	Technical data → Inter	rnet: vzs
	M7	161418	UC-M7		Stainless steel	·		
					0.1	160233	CRVZS-0.1	
					0.4	160234	CRVZS-0.4	
					0.75	160235	CRVZS-0.75	
Silencer UB			Technical data → Internet: u		2	160236	CRVZS-2	
	G3/8	6843	U-3/8-B		5	192159	CRVZS-5	
	G <sup>1</sup> / <sub>2</sub>	6844	U-1/2-B		10	160237	CRVZS-10	
					20	534845	CRVZS-20	
Silencer AMTE-N			thnical data → Internet: amte		Standard			
	M3	1231120	AMTE-M-LH-M3		20	192161	VZS-20-B	
Quick coupling	· -	Te	echnical data → Internet: ks4	Plastic tubing PAN		Ţ	echnical data → Interi	net: pan
	Male thread			for supply pressure				
	G <sup>1</sup> / <sub>4</sub>	2154	KS4-1/4-A		-	553909	PAN-10x1,5-BL	50
	G3/8	2155	KS4-3/8-A			553910	PAN-12x1,75-BL	50
	G <sup>1</sup> / <sub>2</sub> Female thread	531676	KS4-1/2-A			553911	PAN-16x2-BL	50
			VC / 1/ I					
	G <sup>1</sup> / <sub>4</sub>	531678	KS4-1/4-I	Diagram - DANI	D	Т-		
	G <sup>3</sup> /8	531679 531680	KS4- <sup>3</sup> / <sub>8</sub> -I KS4- <sup>1</sup> / <sub>2</sub> -I	Plastic tubing PAN- for output pressure		lec	chnical data 🛨 Interne	eı: pan-r
	072	231000	N34-72-1	ioi output pressure		541676	PAN-R-8x1,5-SI	50
Padlock LRVS-D	<u> </u>				_	541677	PAN-R-8X1,5-SI PAN-R-10x1,9-SI	50
rauluck LNV3-D	<u>'</u>	193786	LRVS-D			541677	PAN-R-10X1,9-31	50
	_	177/00	LINVJ-D			541679	PAN-R-16x3-SI	50

<sup>1)</sup> Packaging unit