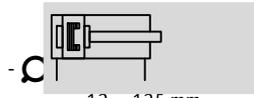


Compact cylinders ADVU

Technical data – Double-acting, basic version

Function



12 ... 125 mm

Stroke length
1 ... 400 mm

www.festo.com

Wearing parts kits
→ 21

Variants



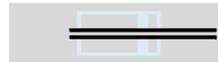
S2



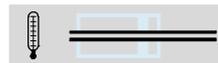
S6



S26



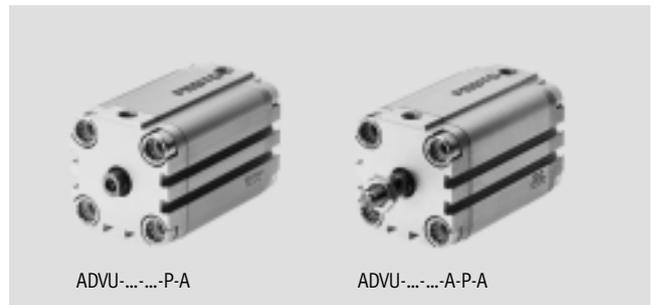
S20



S206

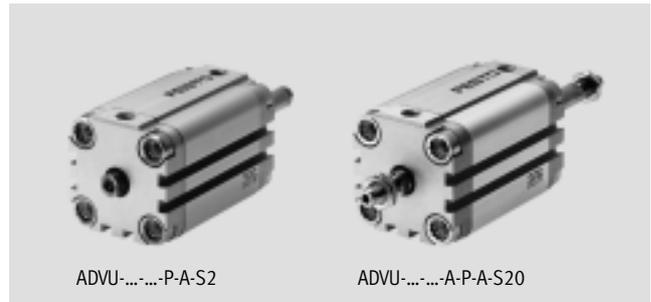


R3



ADVU-...-P-A

ADVU-...-A-P-A



ADVU-...-P-A-S2

ADVU-...-A-P-A-S20

General technical data

Piston Ø	12	16	20	25	32	40	50	63	80	100	125	
Pneumatic connection	M5	M5	M5	M5	G ¹ / ₈	G ¹ / ₄	G ¹ / ₄					
End of piston rod	Female thread	M3	M4	M5	M5	M6	M6	M8	M8	M10	M12	M16
	Male thread	M6	M8	M10x1.25			M12x1.25		M16x1.5	M20x1.5	M27x2	
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]											
Note on operating/pilot medium	Operation with lubricated medium possible (in which case lubricated operation will always be required)											
Constructional design	Piston											
	Piston rod											
Cushioning	Flexible cushioning rings/plates at both ends											
Position sensing	For proximity sensing											
Type of mounting	Via through-holes										-	
	Via female thread											
	Via accessories											
Mounting position	Any											

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

Operating pressure [bar]

Piston Ø	12	16	20	25	32	40	50	63	80	100	125
Piston rod at one end	1.2 ... 10		1.0 ... 10		0.8 ... 10			0.6 ... 10		0.5 ... 10	
Through piston rod S2/S20	1.5 ... 10	1.3 ... 10	1.2 ... 10		1.0 ... 10			0.8 ... 10		0.5 ... 10	

Ambient conditions

Compact cylinder	Basic version	S6	R3
Ambient temperature ¹⁾ [°C]	-20 ... +80	0 ... +120	
Corrosion resistance class CRC ²⁾	2	2	3

1) Note operating range of proximity sensors

2) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Corrosion resistance class 3 according to Festo standard 940 070

Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

Compact cylinders ADVU

Technical data – Double-acting, basic version

FESTO

Ordering data – Wearing parts kits					
	Part No.	Type	Part No.	Type	
Piston Ø	Basic version		S6 – Heat resistant up to 120 °C		
12	121 115	ADVU-12-...-(A)-P-A ¹⁾	383 559	ADVU-12-...-(A)-P-A-S6 ²⁾	
16	121 116	ADVU-16-...-(A)-P-A ¹⁾	383 560	ADVU-16-...-(A)-P-A-S6 ²⁾	
20	121 117	ADVU-20-...-(A)-P-A ¹⁾	383 561	ADVU-20-...-(A)-P-A-S6 ²⁾	
25	121 118	ADVU-25-...-(A)-P-A ¹⁾	383 562	ADVU-25-...-(A)-P-A-S6 ²⁾	
32	121 119	ADVU-32-...-(A)-P-A ¹⁾	383 563	ADVU-32-...-(A)-P-A-S6 ¹⁾	
40	121 120	ADVU-40-...-(A)-P-A ¹⁾	383 564	ADVU-40-...-(A)-P-A-S6 ¹⁾	
50	121 121	ADVU-50-...-(A)-P-A ¹⁾	383 565	ADVU-50-...-(A)-P-A-S6 ¹⁾	
63	121 122	ADVU-63-...-(A)-P-A ¹⁾	383 566	ADVU-63-...-(A)-P-A-S6 ¹⁾	
80	121 123	ADVU-80-...-(A)-P-A ¹⁾	383 567	ADVU-80-...-(A)-P-A-S6 ¹⁾	
100	121 124	ADVU-100-...-(A)-P-A ¹⁾	383 568	ADVU-100-...-(A)-P-A-S6 ¹⁾	
125	380 423	ADVU-125-...-(A)-P-A ¹⁾	383 569	ADVU-125-...-(A)-P-A-S6 ¹⁾	

1) Assembly grease included in scope of delivery

2) Assembly grease not included in scope of delivery. If required, please order separately under part no. 329 555 (20 ml)