

Air Actuators with Stainless Steel Components

Air Spring Systems



ContiTech Air Actuators with Stainless Steel Components

ContiTech air actuators with crimped stainless steel plates are air-tight and sturdy pneumatic cylinders up to 8 bar nominal pressure for demanding applications where media come into play.

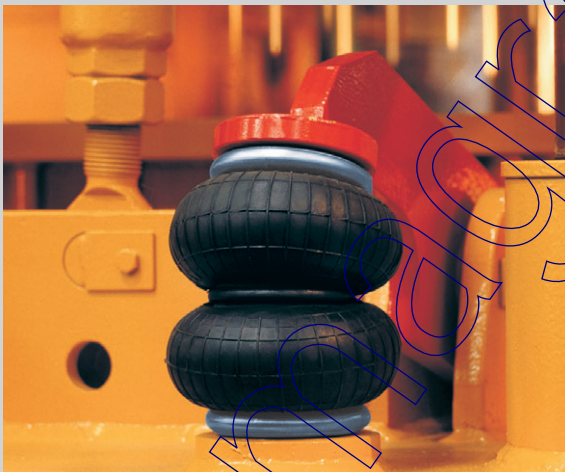
ContiTech air actuators have been used in a wide variety of pneumatic applications for decades. A series in stainless steel has now been added to the standard product range. The qualities of the metal parts and rubber bellows are perfectly matched, fulfilling a wide variety of requirements, also when the applications involve the use of aggressive media.

The product range presented in this brochure is available at short notice from stock. In addition, application-specific versions are available on request. Just ask. We will be glad to advise you.

ContiTech air actuators with connecting plates made of 1.4301 stainless steel present the following benefits:

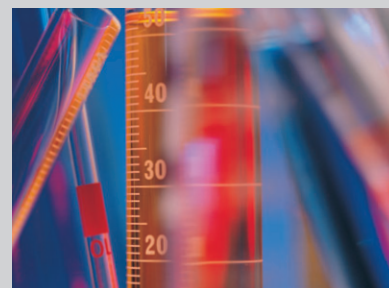
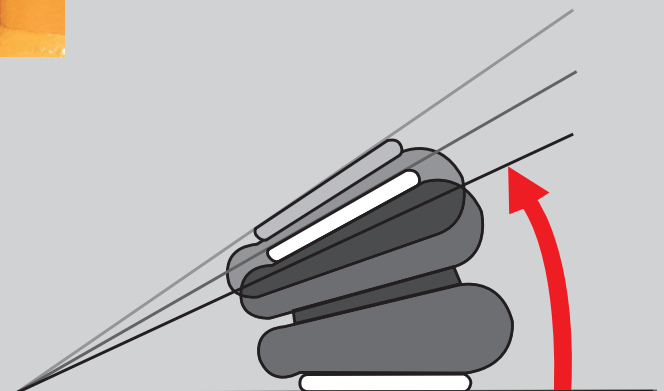
- ▶ Corrosion resistance
- ▶ High resistance to media such as acids, chemicals and cleaning agents
- ▶ High wear resistance and durability
- ▶ Reduced resource consumption
- ▶ Maintenance-free operation
- ▶ No slip-stick effect
- ▶ Low block height
- ▶ Lateral flexibility / angular movement permissible
- ▶ Standard products available ex stocks

Stainless steel air actuators feature all of the product characteristics of standard air actuators.

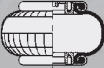
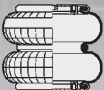
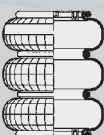


Application examples from the sectors:

- Off-shore, water
- Pharmaceutical and processing industry
- Chemical industry
- Cellulose and paper industry
- Wellness industry
- Foodstuffs industry

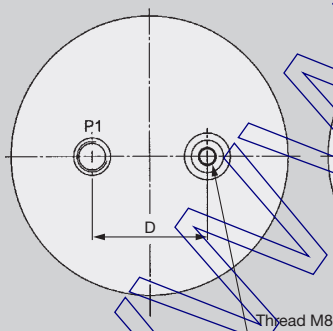




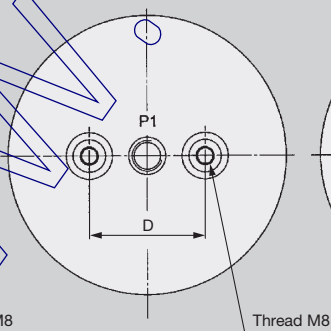
Product designation		min. instal- lation height	max. dia- meter	required instal- lation space	max. lifting distance [mm]	force in [kN] at p = 8 bar			con- nection variant	distance D	distance E
						min. height	half lifting distance	max. lifting distance			
Single convolution bellows											
											
FS 40-6	G 1/8 Niro	50	145	160	60	7.4	5.3	2.0	1	20.0	-
FS 50-5	G 1/4 Niro	51	150	165	44	9.1	6.4	2.2	2	44.5	-
FS 70-7	G 1/4 Niro	51	165	180	64	9.9	7.5	5.2	2	44.5	-
FS 120-12	G 3/4 Niro	51	235	250	119	18.6	15.9	7.2	2	70.0	-
FS 200-10	G 3/4 Niro	51	250	265	89	23.8	18.0	9.1	3	89.0	38.1
FS 330-11	G 3/4 Niro	51	325	340	99	43.8	36.7	22.4	3	157.5	73.0
FS 530-11	G 3/4 Niro	51	385	400	124	68.4	53.0	20.8	4	158.8	79.4
Double convolution bellows											
											
FD 40-10	G 1/8 Niro	70	145	160	100	7.4	5.5	2.5	1	20.0	-
FD 70-13	G 1/4 Niro	72	165	180	128	11.6	7.8	2.6	2	44.5	-
FD 120-20	G 3/4 Niro	77	218	235	193	19.6	14.4	6.6	2	70.0	-
FD 200-25	G 3/4 Niro	77	260	275	248	25.4	18.8	8.2	3	89.0	38.1
FD 330-30	G 3/4 Niro	77	340	355	283	49.0	39.6	13.7	3	157.5	73.0
FD 530-30	G 3/4 Niro	77	400	415	273	71.2	56.4	21.6	4	158.8	79.4
Triple convolution bellows											
											
FT 330-29	G 3/4 Niro	110	325	345	320	46.4	33.7	17.8	3	157.5	73.0
FT 530-32	G 3/4 Niro	110	384	410	325	69.3	54.6	24.7	4	158.8	79.4

Crimped plate designs

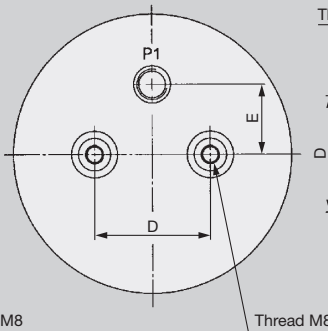
Connection variant /Version 1



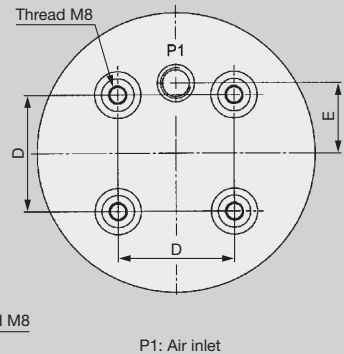
Connection variant /Version 2



Connection variant /Version 3



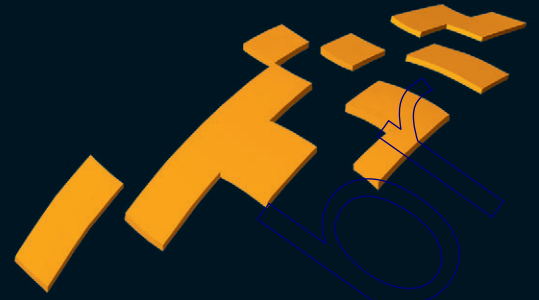
Connection variant /Version 4



P1: Air inlet



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The ContiTech division of the Continental Corporation is a development partner and original equipment supplier to numerous industries for high-quality functional parts, components and systems. With its know-how in rubber and plastics technology, ContiTech contributes significantly to industrial progress and mobility that is safe, comfortable and eco-friendly.

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