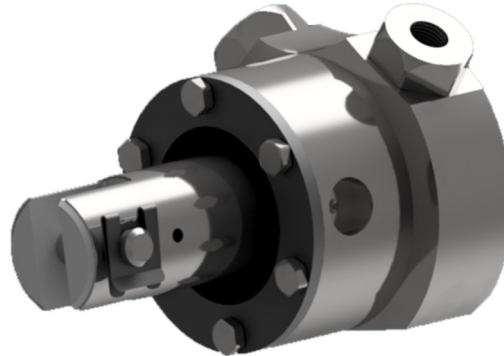


## Pneumatic actuator type P for Herzog® shut-off nozzles



**Applications:**  
Herzog® shut-off nozzles

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## Safety instructions



This symbol indicates explanations about important matters. Failure to read these or false handling could result in injury or damage.

## Please pay attention to the following safety instructions and precautions



### Handling

- Installation and servicing to be only carried out by protected personnel according to the installation and service instructions.
- Actuator can become extremely hot. Full face protection and heat resistant gloves must be worn.



### Damage precaution

- Do not drop the actuator or exert it to unnecessary forces.
- Take care that no foreign bodies enter the working parts of the cylinder.
- No adjustment or manipulation when nozzle is in operation.
- The actuator is designed for temperatures up to **180°C**.
- Actuator is only to be used for injection molding purposes.



### Operational notes

- Torques on screws and threaded parts must be adhered to.
- Noise emissions from the nozzle do not exceed 70 dB(A).



**Keep this manual in a convenient place for future reference.**

## Servicing the pneumatic actuator

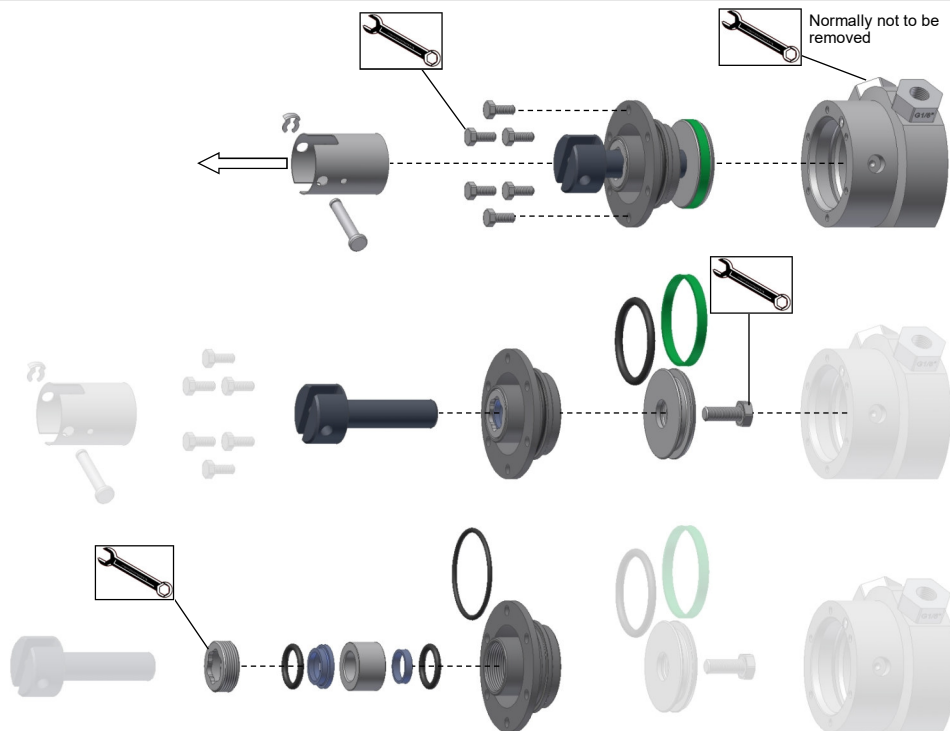
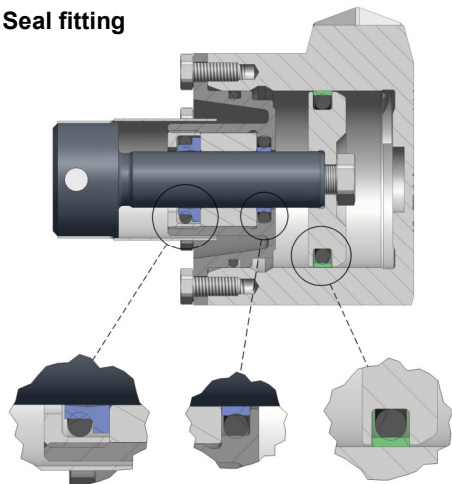
### Disassembly type P

#### Read safety instructions!

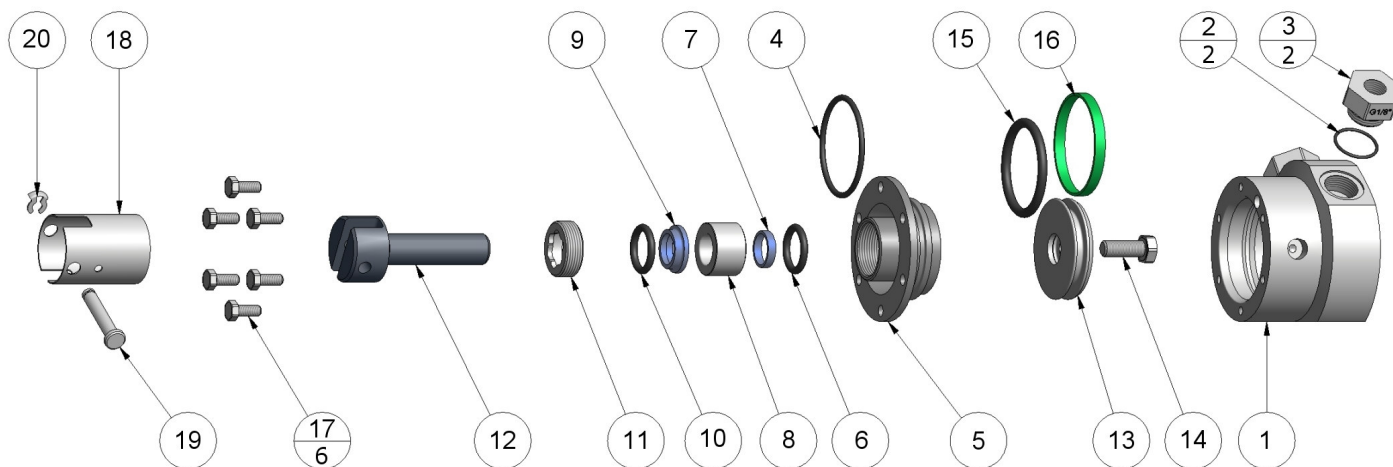
Our actuator does not normally require servicing. Only after extreme operating conditions it may be necessary to clean the actuator or replace seals.

- Remove seals carefully
- Carefully heat screws with adhesive before loosening
- Never heat the actuator above 180°C!
- Check all parts for wear

#### Seal fitting



### Assembly positions type P (Read also installation instructions!)



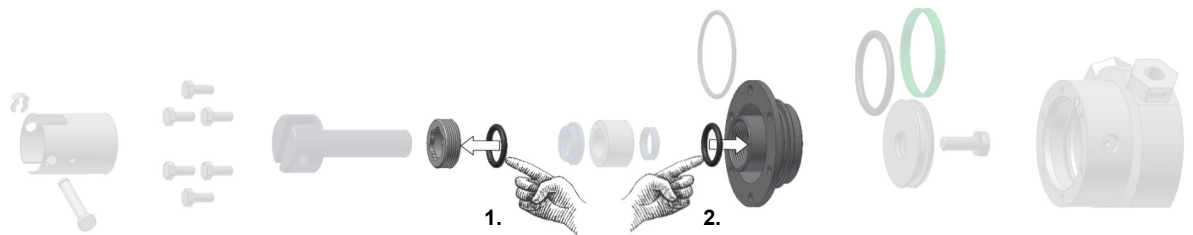
Pos.	Description	Actuator size P0	Actuator size P1	Actuator size P2	Actuator size P3	Note
1	Actuator housing					
2, 4, 6, 10, 15	O-ring					Apply some grease
3	Reducing adapter	AF19 / 50Nm	AF19 / 50Nm	AF19 / 50Nm	AF19 / 50Nm	Secure with adhesive
5	Guide housing					
7	Seal ring					
8	Bushing guide					
9	Wiper ring					
11	Locking screw	AF12 / 20Nm	AF12 / 20Nm	AF12 / 20Nm	AF16 / 30Nm	Secure with adhesive
12	Piston rod					
13	Piston					
14	Screw	AF10 / 14Nm	5mm key / 14Nm	AF13 / 25Nm	AF17 / 60Nm	Secure with adhesive
16	Piston seal					
17	Screw	AF7 / 6Nm	AF7 / 6Nm	AF7 / 6Nm	AF10 / 14Nm	Use screw grease
18	Dirt cover					
19	Bolt					
20	Clip					

## Installation instructions

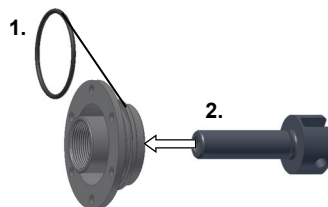
- Clean and inspect all parts for damage
- Grease threads with high temperature paste (bis 180°C)
- Pay attention to parts requiring temperature resistant adhesive
- High temperature seals required (200°C)

**Profit from our cleaning service. The actuator is taken apart, checked and repaired if necessary.**

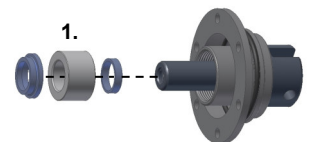
## Installation actuator type P



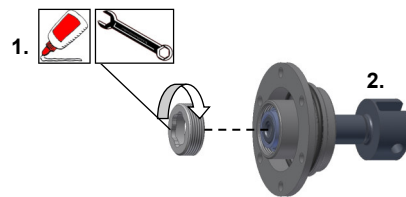
- A)** 1. Insert the o-ring completely into the locking screw  
2. Insert the o-ring into the piston housing fully to the end position



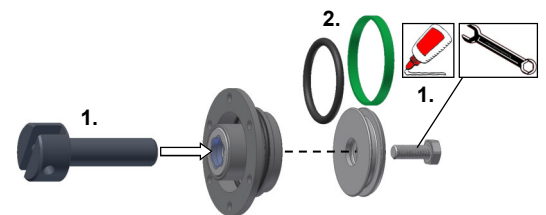
- B)** 1. Mount o-ring  
2. Place the piston rod from the **reverse** side into the housing, as indicated (take care not to move the o-ring from step A2). The piston rod aligns the seal packet for steps **C & D**



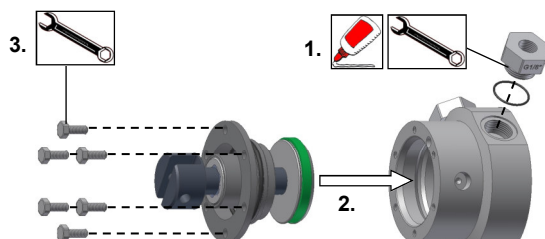
- C)** 1. Carefully slide the bushing, bushing guide and ring onto the piston rod and fully into the housing (pay attention to the fitting direction)



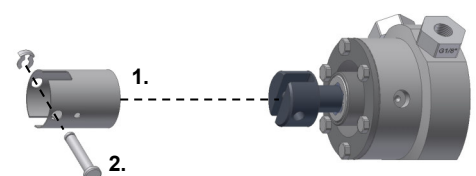
- D)** 1. Screw on the locking screw until contact is made and tighten with an allen-key (**Adhesive**).  
2. Remove the piston rod completely



- E)** 1. Place the piston rod through the bushing guide and from the other side fix the piston by tightening the screw. (**Adhesive**)  
2. Mount first o-ring and then seal onto piston (caress the seal lightly to aid mounting)



- F)** 1. Put the o-ring in place and fix the reducing adapter (**Adhesive**).  
2. Place the piston unit into the cylinder \*  
3. Tighten screws



- G)** 1. Place the protective cover over the piston  
2. Fix in place with the bolt and splint

\* See document **Actuator, piston installation**: <https://www.herzogsystemsag.com/cms/content/view/101/38>

**Parts subject to wear / ordering spare parts**

Your contact information:

Company	
Street	
City / Zip	
Contact	
Tel. / Fax	
E-Mail	

**Lasered cylinder identity no.:** please insert here

**Lasered nozzle identity no.:** please insert here

Quantity	Part (for part name, see chapter <b>Assembly</b> )

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