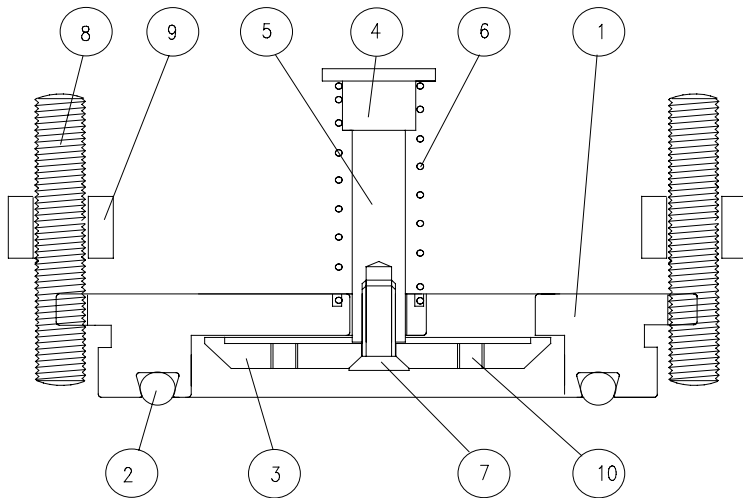


## FOX AS conversion kit Installation, set up and maintenance



POS.	COMPONENT	MATERIAL
1	AS Sealing seat	Brass/Bronze
2	O-Ring	NBR
3	Metallic flat	Brass/S. steel
4	Dado di serraggio	Ss AISI 303
5	Driving stem	Ss AISI 303
6	Spring	Ss
7	TPS screw	Ss A2
8	Studs	Ss A2
9	Spacers	Delrin/Ss
10	Adjustable threaded holes	Ss A2
Spare parts list 2-6-7-9-10		

The AS conversion KIT allows you to turn your FOX 2F or 3F into a AS by means of simple steps as explained in the course of this technical paper.

The AS Kit is composed of:

- A sealing seat where the AS mechanism is located, that includes a metallic flat with threaded holes, a main shaft driven by the seat itself and a counteracting spring;
- 4 studs
- 4 spacers

### Working conditions

Max temperature	: 70°C
Max pressure	
FOX 3F AS	: 16 bar
FOX 2F AS	: 25 bar

### Functioning

Negative pressure, that has to be avoided with can occur as a consequence for example of pump failure, column separation, pipe draining. The phenomena mentioned above tends to draw downwards the upper flat compressing the spring, which is supposed to keep it closed, freeing the main orifice and allowing the entrance of big quantities of air to contain negative pressure. Once the latter is over, the spring will lift the upper flat closing the main orifice so the air, being discharged through small adjustable holes, will act as a shock absorber for the incoming water column. Once all the air has been evacuated the water, entering the air valve, will push up the mobile block closing the air valve.

### Installation

To install the AS conversion kit please proceed as follows:

- a) Loosen the 4 nuts from the cover of your FOX, remove it along with the other nuts and washers;
- b) Pull out the sealing seat;
- c) Remove the lateral O-Ring and put it on the AS seat (1) ;
- d) Loosen the existing studs and use the ones from the AS Kit (8) instead ;
- e) Install the sealing seat along with the AS mechanism ;
- f) Put the washers on the studs and set them tight.
- g) Place the 4 spacers (9) enclosed with the kit above the corresponding nuts.
- h) Position the cover and set it tight with the remaining 4 nuts.

### Maintenance

The AS conversion kit design is sturdy and reliable and it doesn't need a particular maintenance. We strongly recommend though to inspect it at least twice per year.