



# Troubleshooting FX Impact

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# Index

FX Impact is losing pressure .....	2
1. Gages.....	2
2. Valve tube.....	2
3. X-ring valve tube.....	3
4. Valve house.....	3
5. Barrel inlet.....	4
6. Brass adapters.....	4
7. Tube adapter.....	5
8. Regulator.....	6
Regulator issues.....	6
1. Regulator allows all the air through.....	6
2. Creeping.....	6
3. Jumping.....	6
Accuracy .....	6
Mechanical function issues .....	7
Power issues .....	7
1. Fill pressure .....	7
2. Barrel inlet O-ring.....	7
3. Reloading bar.....	7
4. Hammerseat.....	8
5. Factory settings.....	8

## FX Impact is losing pressure

With leak seeking spray check the areas shown in the pictures

1. Check the gages by spraying around them. If it leaks tighten the gage but if you feel like the gage is going to break; replace the plastic washers ([19723](#)).



2. If there is a leak here you need to replace the two o-rings on the outside of the valve tube (9x1,5 NBR70 [19722](#))



3. If a leak shows here you need to replace the x-ring inside of the valve tube (2,9x1,78 NBR70 19730)



4. If you got a leak from the valve house you need to replace the o-rings on the valve house. (10,5x2 NBR70 19677)





5. If you get a leak at the barrel inlet you need to change the main valve(7064)/valve seat(19202).



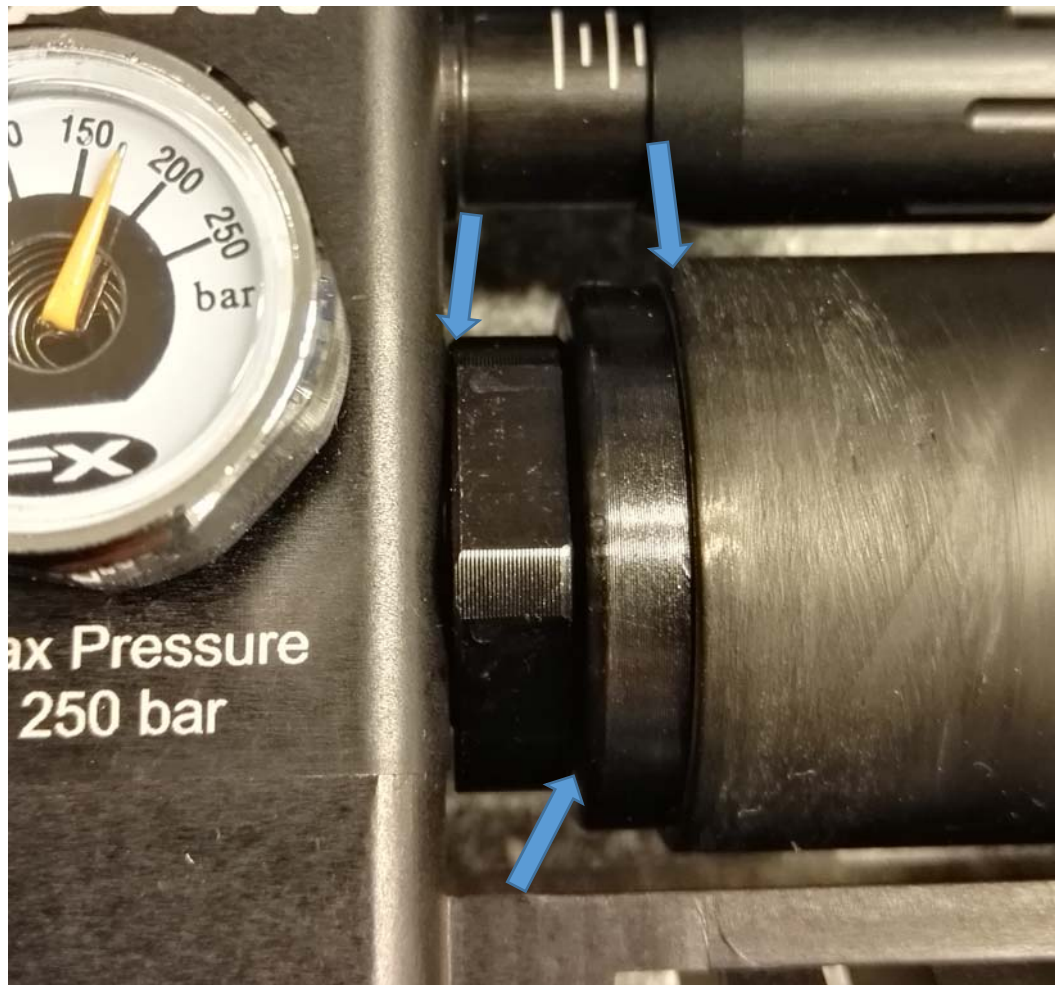
6. If you find a leak at one of the two brass adapters, you replace the o-ring on it (2x1NBR70 18032).



7. If there's a leak from the breechblock side of the tube adapter you need to replace the M12 rubber steel washer(11507).

If it leaks on the same side as the bottle you should change the rubber steel washer on that side and the o-ring inside the air bottle end (9,3x2,4 NBR90 5105).

If the leak is at the seam at the air bottle end it's the o-ring inside the bottle that needs to be changed (18x2,5 NBR90 5103)



8. If you get a leak at the hole on the side of your breechblock you should replace the o-ring on the regulator rod (4x1,5 NBR70 [19109](#)) or the o-ring inside the breechblock (9x1,5 NBR70). You could also change the o-ring inside the regulator house (4x1,5 NBR 70).

If you get a leak from the seam around the regulator house change the o-ring (7,66x1,78 NBR70 [4528](#)).

If you get a leak from the regulator screws seam replace the o-rings on the screw (2x1NBR90 [19731](#)).



## Regulator issues

1. If your problem is that the regulator let all the air through so that both gages show the same pressure you can change the o-rings on the regulator screw (2x1 NBR90).
2. If your regulator is creeping, you can polish the tip of the regulator screw or replace it. If there's a cavity in the regulator rod ([19696](#)) where the regulator screw ([19695](#)) meets the regulator rod, make sure to replace the rod.
3. If your regulator is jumpy make sure that all the 11 washers is in the right order.

## Accuracy

Remove the shroud and shoot through a chronograph. Check for different variables: If the rifle is shooting good without the shroud you can be sure that that the pellets are clipping the shroud. The easy fix for this is that you take a shroud muzzle ending ([19649](#)) with a bigger hole.

If the velocity is jumping it often have to do with air escaping from the barrel inlet so replace them if you can feel air puffing out.

O-rings outside the barrel is 10x2 NBR70 ([19703](#)) and inside:

.177: 4,3x1,5 NBR 70 ([2529](#))

.22: 5,5x1,5 NBR70 ([19726](#))

.25: 6,4x1,3 NBR70 ([4526](#))

.30: 7,5x1,5 NBR70 ([19225](#))

Jumping velocity can also have to do with an uneven regulator.



The accuracy can also be affected by too high or too low velocity. The factory settings are:

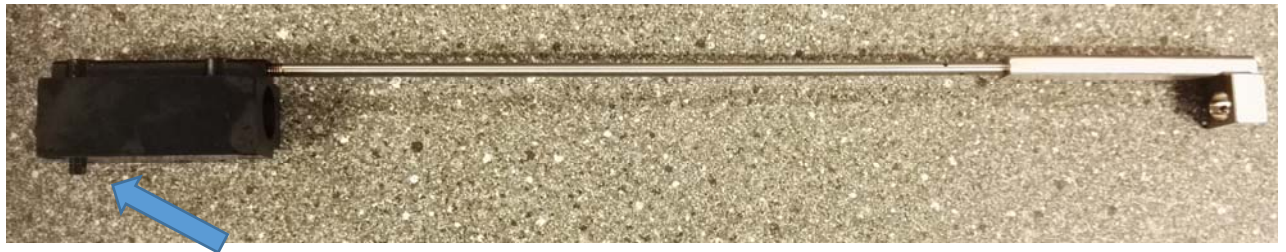
.177: 960-975  
.22: 910-920  
.25: 900-910  
30: 855-865

Make sure to use the right ammunition and that the feeding pin is tightened.

### Mechanical function issues

If the trigger wont cock, you should check your trigger settings and make sure that your first and second step is long/short enough.

If you dry fire the gun the hammer pin that catches the hammer can get bend and then the trigger wont cock. In that case you should replace the hole reloading block (19691).



### Power issues

1. Make sure that you got the right fill pressure. High power should be between 145 to 250 Bar
2. Check that the barrel inlet o-ring still is in place.

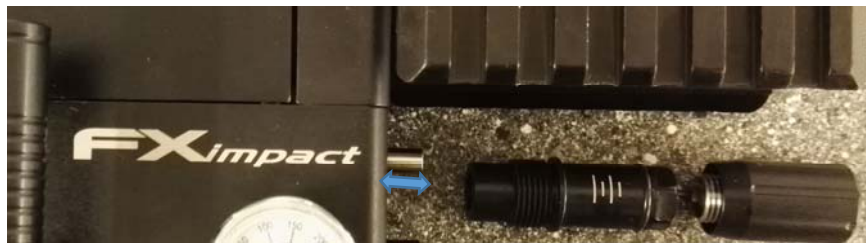


3. Check if your reloading bar got the right length so that the feeding pin is in the right position straight over the transfer port. The measurement should be between 44,4-44,7mm.





4. Check that the hammerseat got the right length. It should stick out 6,0-6,5mm



5. The factory settings for the hammer spring tension and regulator pressure for a high power rifle is:

.177 20.00mm +/- 0,5mm Reg: 100-105 Bar  
 .22 18,50mm +/- 0,5mm Reg: 110-115 Bar  
 .25 18,00mm +/- 0,5mm Reg: 120-125 Bar  
 .30 15,00mm +/- 0,5mm Reg: 137-142 Bar

