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SHOULDER SHOT

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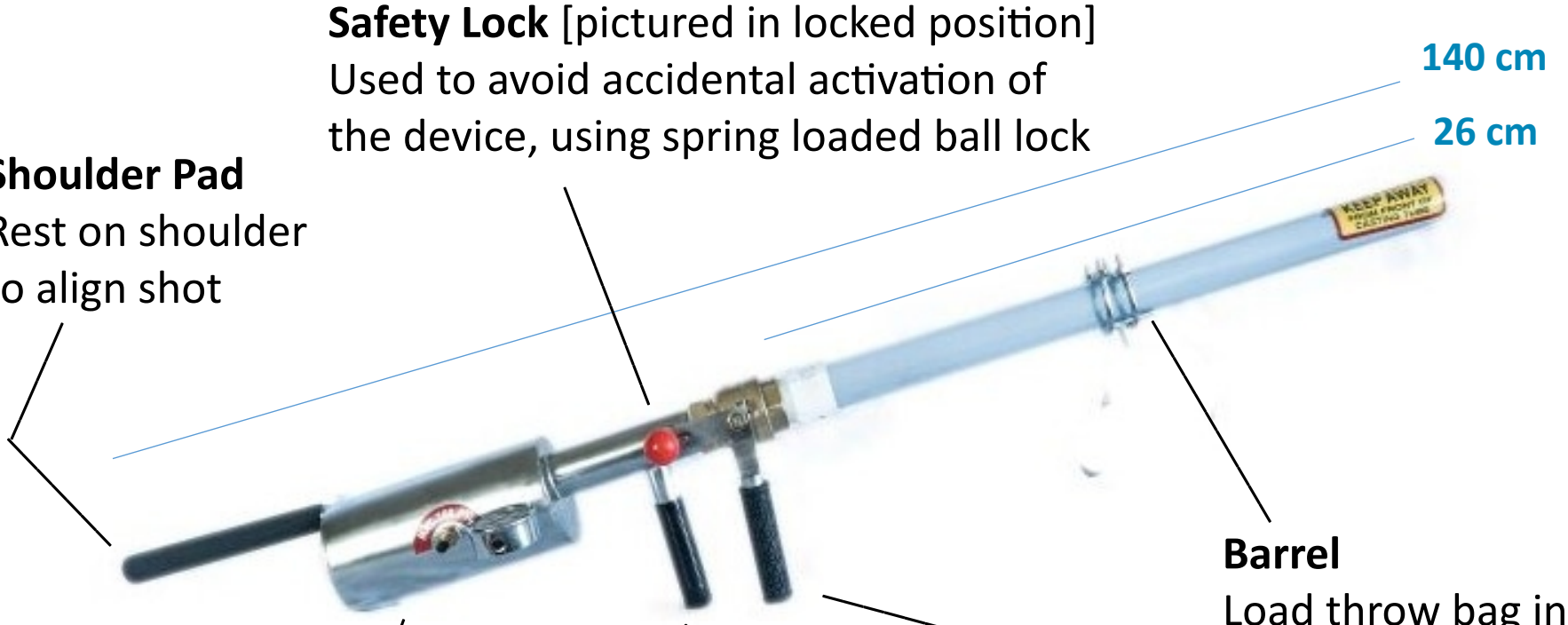
Safety Lock [pictured in locked position]
Used to avoid accidental activation of the device, using spring loaded ball lock

Shoulder Pad
Rest on shoulder to align shot



Barrel
Load throw bag in.
Detachable for storage

Air Chamber
Pressurize with air up to 110 psi to adjust distance

Support Handle
Fixed grip to hold launcher

Release Handle
Pull to release air, launching the line and bag

The product design is protected by United States Federal Patent # US 11,885,583 B2

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SAFETY CHECKLIST

1. Make sure the Shoulder Shot is assembled correctly.

2. Have crew discussion about use and clearance points, and the direction of launch.

3. Make sure crew is aware of surroundings, and has properly signaled that the device is about to be activated.

4. Refer to distance chart for correct device activation protocol and PSI levels.

5. Inspect Throw Bag for damage or dirt, and clean as necessary.

6. Inspect unit for any sign of damage.

7. Tie, and check knot attaching the Bean Bag to the throw line.

8. Insert the Throw bag back end first (string end first) into the clear PVC barrel.

9. Be sure the Throw bag has slid down the entire length of the barrel.

10. Before adding air, be certain the spring-loaded locking feature is in the locked position.

11. Fill the air chamber. Do not overfill. Max is 110 PSI.

12. Verbally announce preparation for activating the device

13. Set the Shoulder Shot firmly, and comfortably on the shoulder of the personnel activating the device

14. Check for clearance of the desired target.

15. Move the spring-loaded locking feature to the unlocked position

16. Hold firmly, engage the release handle, and quickly fire the Shoulder Shot.

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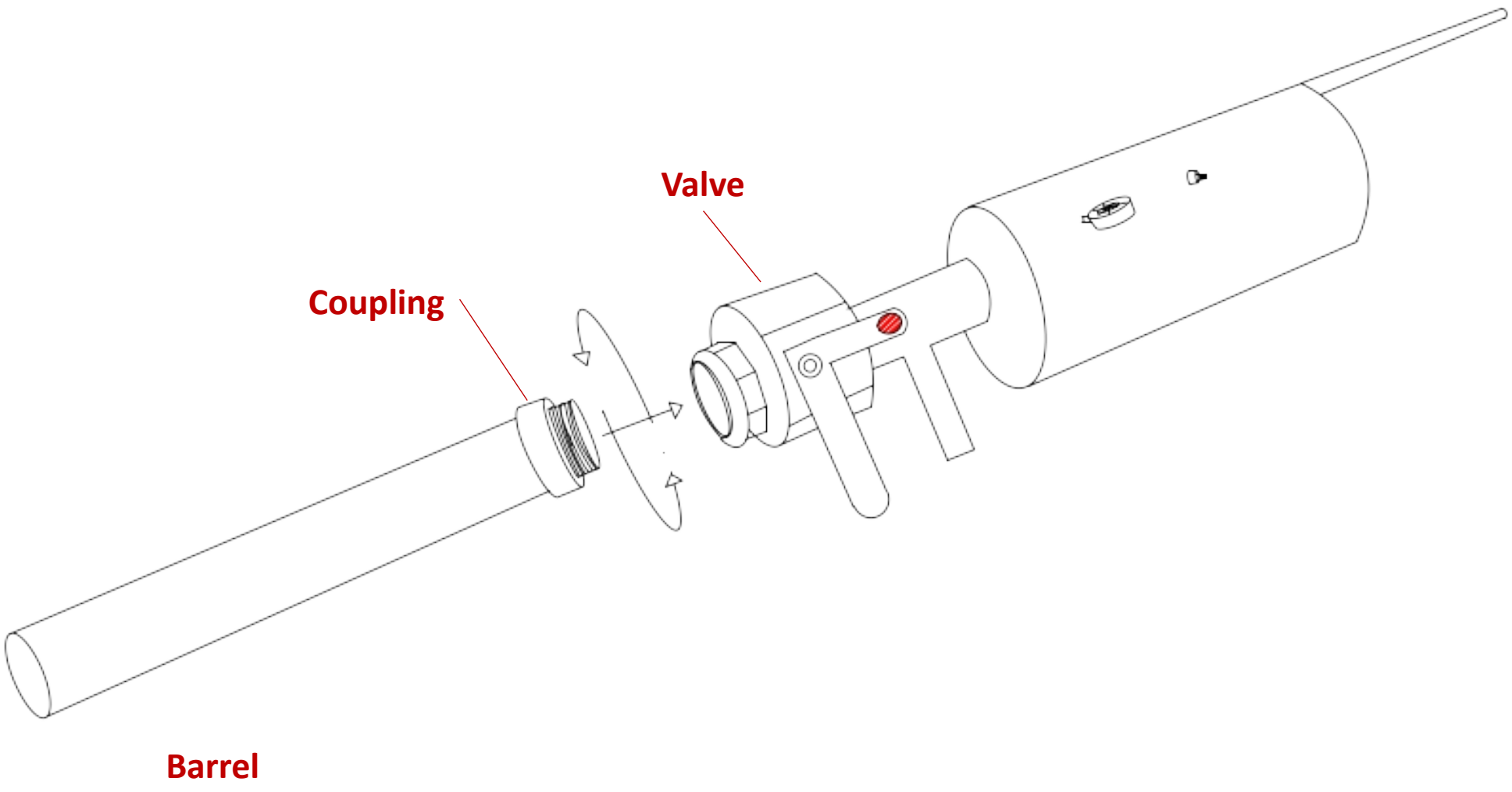
STEP 1

Connect the clear PVC barrel to the device by screwing the white coupling to the valve.



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STEP 2

Attach lightweight throw line to the bean bag.

The 12 ounce Weaver throw bag is recommended. Other bags work if they fit tightly in the barrel.

REQUIRED:
12 Ounce weaver Throw bag.

Attach the other end of the line to your climbing rope.

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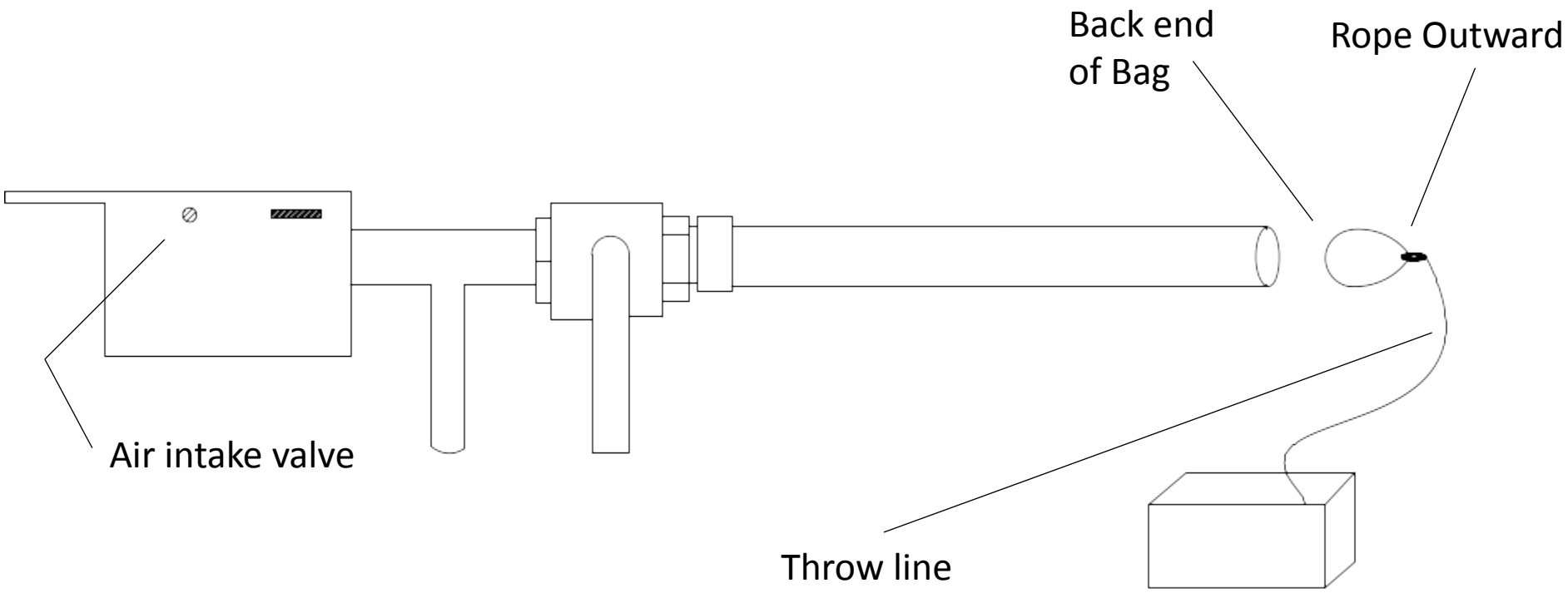
STEP 3

Insert throw bag, back end first, line outward. Push bag to bottom of the barrel, using a rod or stick. Check for tight fit.

Check your air-intake valve is open before loading the bag.



Check to make sure the line has no knots or tangles.

Do not attempt to roll up your line prior to shooting or it will knot up on Launch.

We recommend a throw line with a box for line storage. Other options are to lay your throw line on the ground or in a bucket.

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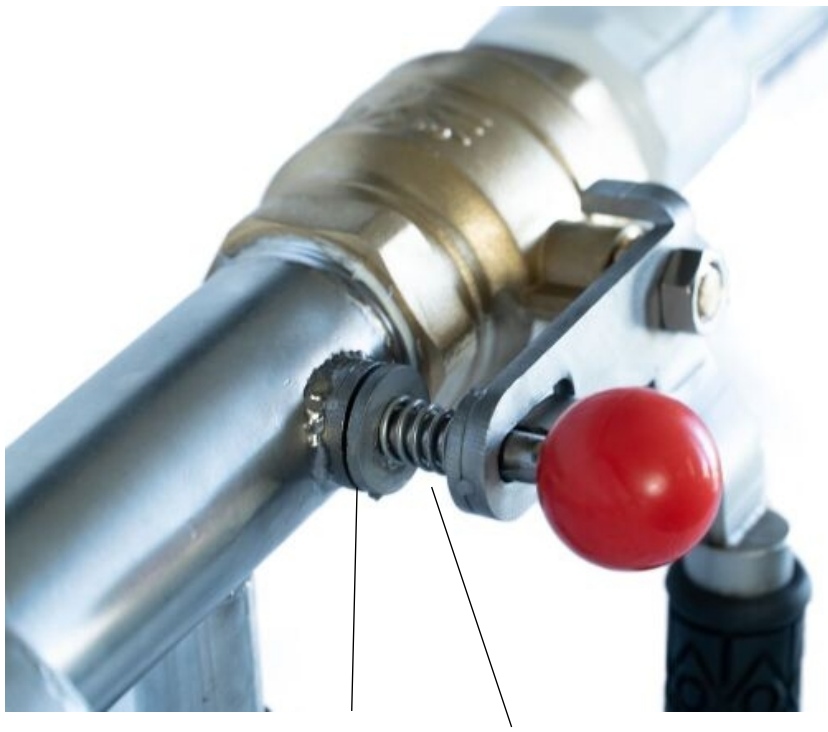
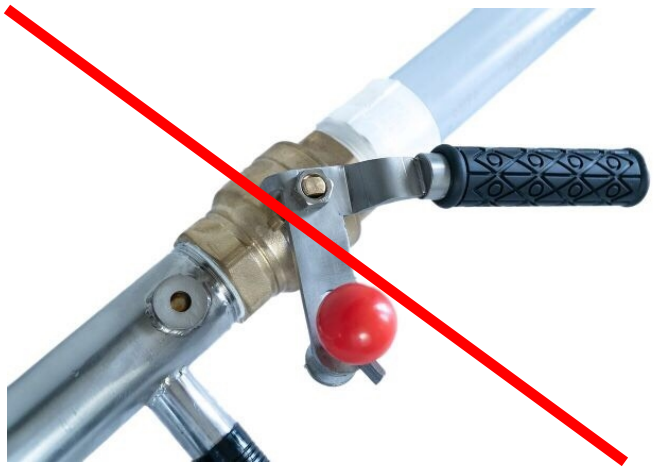
STEP 4

Check the safety lock on the valve. Make sure the handle is in the downward lock position and the pin is inserted into the washer on the pipe prior to airing up the device.



Caution: Never put air pressure in the device without the locking pin securely in place



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STEP 5

Fill the air chamber. Inflate with air or CO2. The intake valve fits any standard pump. Adjust PSI to match target distance, using the distance chart.

Do not put more than 110 PSI into chamber. A pressure relief valve will release air at 120 PSI for safety.

Most commonly used are 12v DC compressors and hand pumps.

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STEP 6

Place unit comfortably on shoulder. When ready, pull the red safety knob out and turn, to remove the safety for launch.

Find your target by looking down the tip of the barrel and aiming. Firmly push handle forward and fire.

If you push the handle quickly, the line will go farther.

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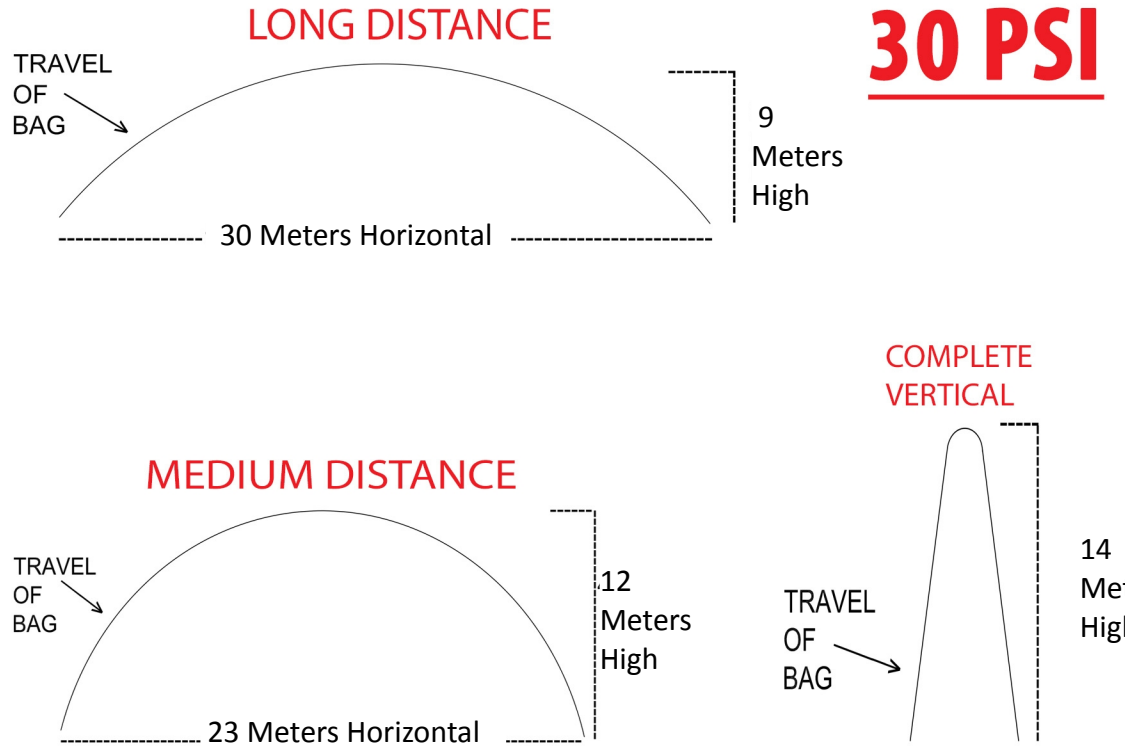
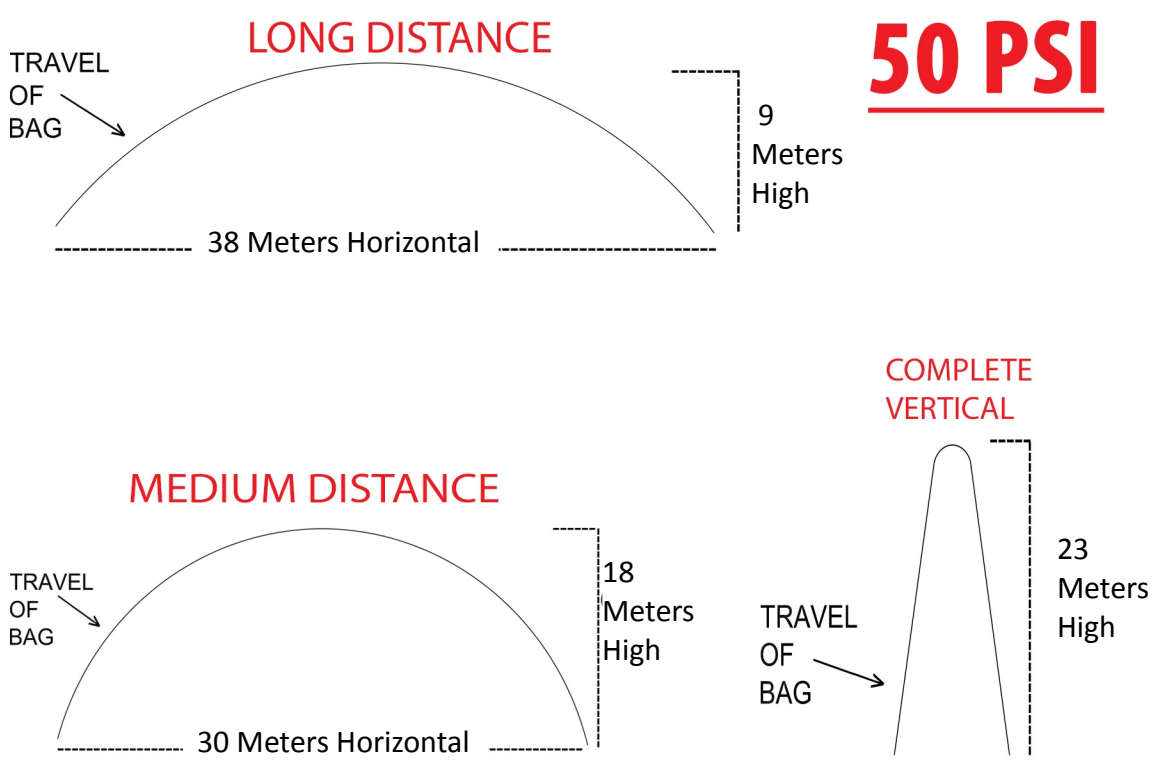
PSI TO VERTICAL DISTANCE CHART

Note: Distances may vary based on speed of valve release





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PSI TO VERTICAL DISTANCE CHART

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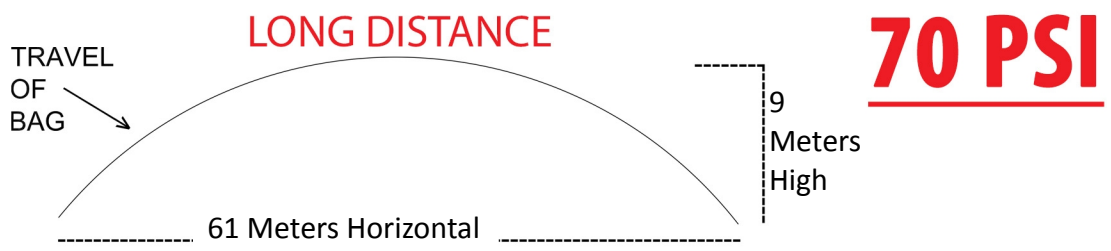
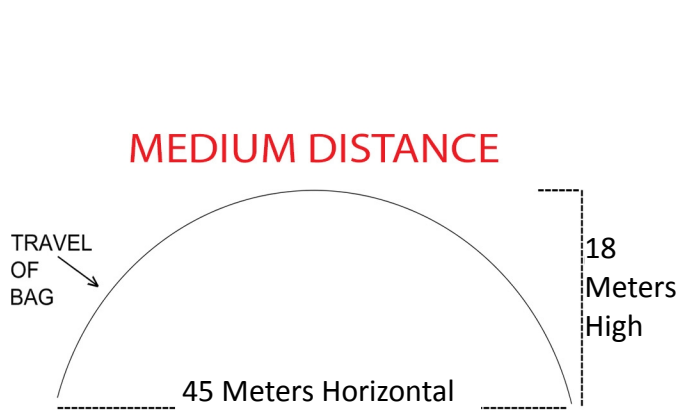
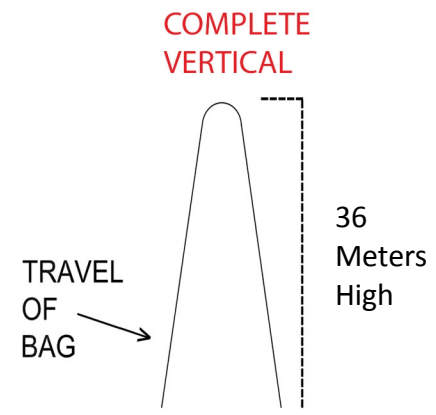
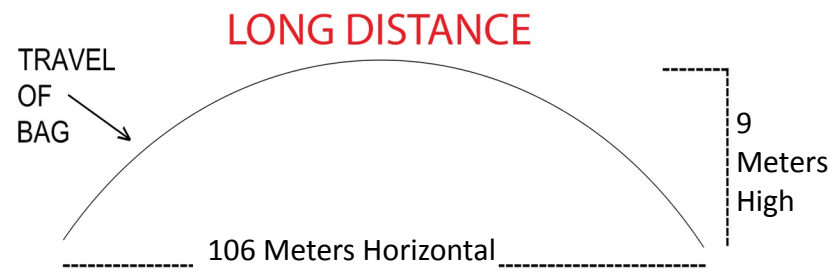


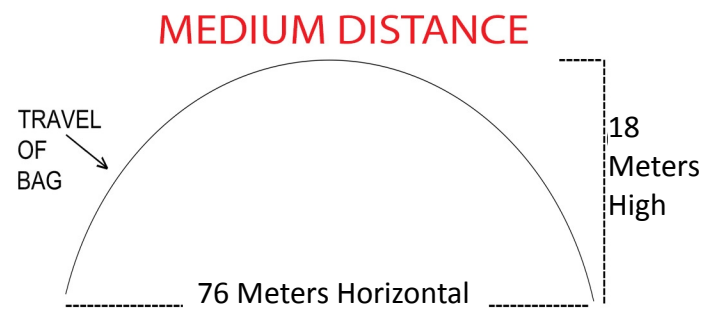
70 PSI

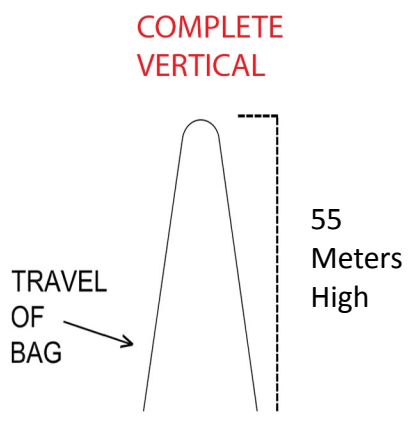






90 PSI





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PSI TO VERTICAL DISTANCE CHART

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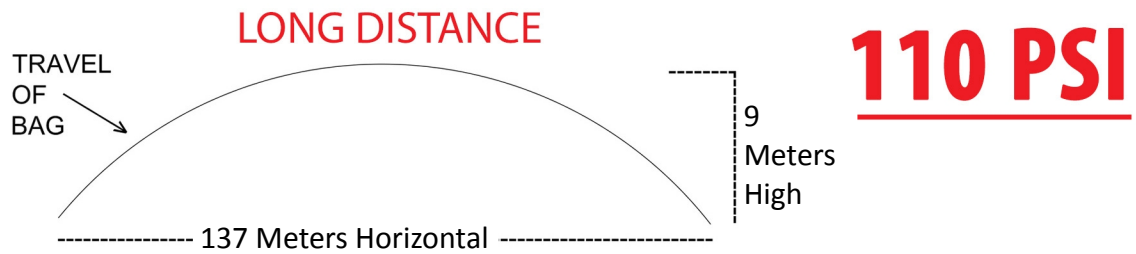
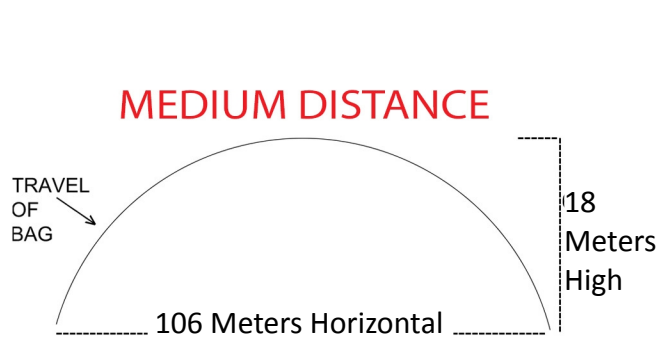
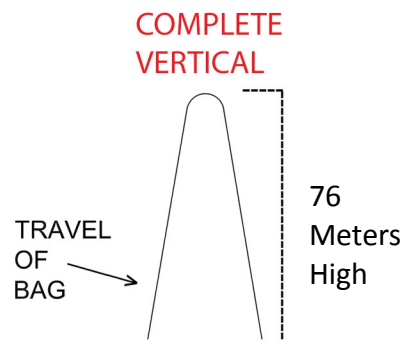


110 PSI





PSI to Distance Summary Table

	Vertical Shot		Medium Distance		Long Distance	
PSI	Vertical Height	Horizontal Distance	Vertical Height	Horizontal Distance	Vertical Height	Horizontal Distance
30	14 M	~ 0 M	12 M	23 M	9 M	30 M
50	23 M	~ 0 M	18 M	30 M	9 M	38 M
70	37 M	~ 0 M	18 M	46 M	9 M	61 M
90	55 M	~ 0 M	18 M	76 M	9 M	107 M
110	76 M	~ 0 M	18 M	107 M	9 M	137 M