



Introducing Rapid Barrier's 72 inch tall
Flood barrier/Coffer dam solution



These new barriers are comprised of 3 distinct components:

- Barrier
- Skirt
- Apron



The Barrier

Dimensions: 72 inches high x 108 inches wide x 25 and 50 ft lengths

Material: Heavy Duty PVC

Welding: 2 inch heat sealed welds along barrier wall

RF (radio frequency) welds for all valves, ports, handles and belt loops

Ports: 2 x 2" fill valves, offset to one side to allow for stacking

5 x 2" drain ports for faster and convenient drainage (2 along each side, one on the end)

Corners: reinforced



Factory Photo of 72 inch x 25 foot and 72 inch x 50 foot barriers joined together:





2 inch Fill and Drain port/cap
2 Fill ports and 5 Drain ports per barrier





The Barrier (Continued)

Convenient markers on each end to line up barriers when joining end-to-end

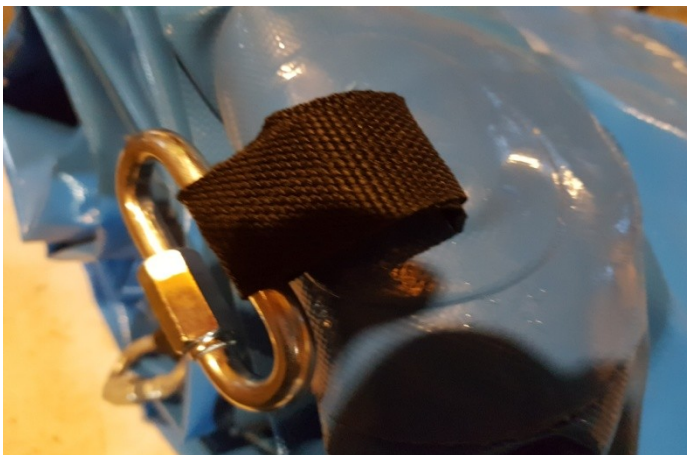




The Barrier (Continued)

Belt loops along each side combined with quick links (supplied) are used to attach cam buckle belts (supplied) to barrier, to secure barriers (one behind the other, or to properly sized and distanced ground stakes or attach to immovable objects, on level land; use alternate means to secure barriers on gentle slopes (a filled 6 foot barrier x 50 feet can weigh in excess of 185,000 pounds.

(Shown with attached quick links)





The Skirt

Located on one end of the barrier, the skirt is tapered to allow a tight fit when the end of the adjoining barrier is inserted for a continuous end to end connection.

- The skirt is attached to both the barrier and the apron to prohibit water flow between these components.
- The skirt extends beyond the barrier by 5 ft, enough to allow 5 ft of the adjoining barrier to be inserted, then inflated.
- The connection point will drop in height several inches-an optional flexible plastic sheet is inserted into the skirt along with the unfilled adjoining barrier to maintain a uniform height throughout the barrier wall.
- Do not inflate the first barrier more than half full before inserting the plastic sheet and adjoining barrier.



The Apron

- The apron is a flat sheet of material which is joined to the back side of the barrier and extends from under the barrier out by 9 ft. Thus, a 9 ft wide barrier will have an apron 18 ft long.
- Because the apron is fully underneath the barrier it provides an additional layer of protection for the barrier floor, essentially doubling the thickness of the floor wall to further protect the barrier against damage caused by abrasion.
- It is sealed to the barrier on all four sides thus strengthening the joining of the barrier to the apron.
- The apron is set back from one end of the barrier by 5 ft so as to not interfere when the barrier is joined to another barrier when forming a longer wall.
- The apron extends beyond the skirt by several inches to ensure that it overlaps the apron of the adjoining barrier.



- The Apron (continued)

- The apron is equipped with rf welded belt loops which when used with the high quality #316 stainless steel quick links (supplied), and attached to the 36 ft x 2 inch cam buckles (supplied) provides additional rigidity to the barrier wall.
- The apron is also equipped with non-rusting grommets which can be used in conjunction with ground stakes to keep the apron flat thus helping to protect against water seeping under the apron and the barrier.
- The grommets can also be used with plastic ties to position and hold sand pipes* which may also be used to keep the barrier flat against the bottom of the water way.

**Sand pipes are described later in this presentation!*



Sand Pipe

- A sand pipe is simply a length of pvc pipe available at plumbing supply/hardware companies, which can be filled with sand or gravel and then capped at each end.
- 5 foot pipes can be secured to the apron installed grommets with plastic ties.
- Use larger diameter pipes for increased weight
- The result is a low cost weight, re-usable, durable and impervious to contamination.



SUMMARY

Water inflatable barriers with attached apron provide the following benefits over conventional water-filled barriers as follows:

- Superior protection against damage caused by abrasion
- Reduction of seepage
- Increased resistance to water flow
- NB: Other barrier sizes available including 2 foot high models in 25 and 50 foot lengths and 1 foot high models up to 100 feet in length.



Rapid Barrier Systems Inc. ships to within Canada from Calgary, and to US destinations from Jefferson City, Missouri.

If warehouse shortages from either location arise, the company can ship across borders.

The Company currently offers barriers of several different heights and lengths.

We provide a limited 2 year warranty on our products.



Factory pressure test of 72 inch barrier



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50 ft x 72 inch barrier



Custom Barrier



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