

# DYNAMIC FLOOD SOLUTIONS



## Hinged Watertight Hatch With Mechanical Seal

This heavy-duty watertight hatch is designed for openings that are infrequently used and need to be sealed quickly and easily in the event of flooding. The D3HA exceeds FEMA and NFIP Floodproofing Certification Standards.

Because these hatches are engineered with a mechanical seal, no air pressure or power is needed and maintenance requirements are minimal.

To avoid interference with personnel, equipment and vehicles, the D3HA is available in a fully flush design.

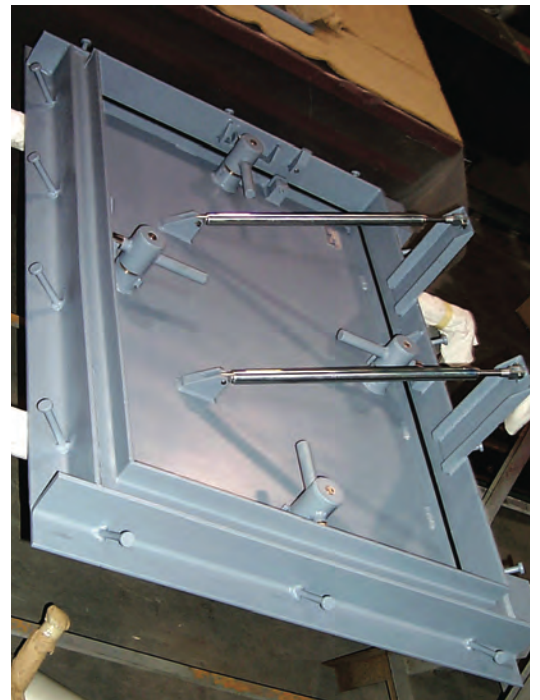
### APPLICATIONS — THE D3HA AT WORK

The D3HA Hatch is ideal for water treatment facilities, sewage treatment plants and pumping stations. They are great for mechanical and equipment spaces that must be kept dry in case of flooding. These hatches will be ready when you need them because they are virtually maintenance free.

### FLOOD PROTECTION IN SECONDS

The opening size dictates the number of handles/dogs, which are evenly spaced with stainless steel rollers to all evenly distribute the loads on the gasket compression. The dogs are provided with an "o" ring seal and two oil-impregnated bronze flange bearings to maintain shaft alignment. When not in the closed position, the dogs are held in place by disk springs. Each dog has a mechanism to adjust seal compression after installation.

- ▶ Compression gasket provides maximum protection
- ▶ Requires minimum maintenance
- ▶ No compressed air or power required
- ▶ Suitable for new or existing construction
- ▶ Custom built to your exact dimensions
- ▶ Exceeds FEMA & NFIP Floodproofing Certification Standards



<b>Size</b>	Custom built to any dimensions
<b>Seal</b>	Type 25 Durometer fully-molded neoprene gasket
<b>Panel</b>	A36 Carbon Steel
<b>Frame</b>	A36 Carbon Steel
<b>Hinges</b>	Bronze oil-impregnated thrust bearing with stainless steel hinge pins
<b>Handles</b>	Evenly spaced dogs with stainless steel rollers
<b>Finish</b>	Blast cleaned per SSPCSP7 and primed with one coat

## AVAILABLE OPTIONS

- ▶ Flush surface design available
- ▶ Gas Spring and/or Counterweight to facilitate opening/closing
- ▶ Available in 304 or 316 Stainless Steel
- ▶ Frames are custom built for cast-in-place installation; or attached to existing walls with expansion anchors or adhesive inserts
- ▶ Compression Gaskets available in Viton® and other materials for corrosive environments

## CUSTOM BUILT TO MEET YOUR REQUIREMENTS

Every D3HA Watertight Hatch is custom built from shop drawings to ensure that it meets the special needs and installation challenges of your facility.

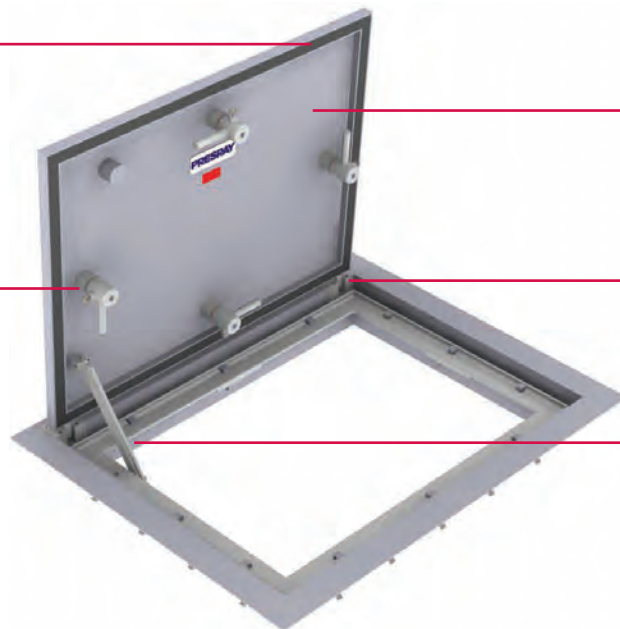
The frame and panel of the hatch are available in a number of variations depending upon installation and use parameters. The hatch includes suitable anchors for embedment in concrete. Options include gaskets, bolts and inserts for attachment to existing concrete or block, or for welding to an existing steel structure.

The D3HA is also available in 304 or 316 Stainless Steel & 6061-T6 Aluminum. For demanding corrosive environments, the compression gaskets are available in Viton® and other special materials.

Hatches are shipped primed and finished on site, or desired final coat can be applied at our manufacturing facility.

Fully molded gasket in 25 Durometer Neoprene

Handles secure door create watertight seal with evenly distributed pressure on compression gasket



Panel and frame made with A36 Structural Steel (304 or 316 Stainless Steel available)

Hinges have bronze oil impregnated thrust bearing with stainless steel hinge pins

Safety bar holds hatch in place

**FOR MORE INFORMATION**

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