

SD-010GB



Gear Box Driven Horizontal Sliding Disc Valve

Description

A.R.I. model SD-010GB is a 3" inlet, gear box driven horizontal sliding disc valve designed for underground and confined space installations. The gear box is activated by a vertical operating rod (enables above ground operation of underground installations). The valve provides fluid-tight sealing up to 365 psi. working pressure and is installed horizontally between the pipeline and the user's device.

Integral to the valve is either a 2" or 3" threaded or quick connection adaptor outlet. The 3" adaptor has an additional 1 1/2" BSP female threaded orifice perpendicular to its vertical access, which can be used as a flushing outlet.

The quick connection adaptor has a built in safety mechanism to prevent the accidental removal of the user's device while there is open flow through the valve. The disc valve must be in the closed position before the user's device can be disconnected from the quick connection adaptor.

Applications

- Underground installations of air valves.
- Installation of air valves and valves in confined spaces.
- Fire hydrants.
- Municipal services.
- Wastewater manholes.

Operation

The valves' unique design allows for operation from above, thus enabling its use in underground and confined space applications. An operating rod attached to the gear box from above activates the opening and closing of the valve.

The integral 2" or 3" adaptor provides a safety mechanism that prevents the disconnection of the adaptor and the users' device from the horizontal disc valve when the disc valve is in the open position.

Main Features

- Low profile enables installation in confined spaces.
- Integral 2" or 3" adaptor - quick connection and added safety element.
- Operating rod - length upon request.

Outlet Options

Threaded Outlet Housing

2", 3" - NPT made of stainless steel.

Adaptor Housing + Adaptor w/Outlet

2" - NPSM outlet, made of ductile iron.

3" - NPT outlet made of ductile iron or stainless steel, with a threaded Flushing Outlet 1 1/2" BSP.

Accessories

- "T" Handle Operating Rod
- Made of Stainless Steel SAE 304
- Length - upon request



PARTS LIST AND SPECIFICATION

No	Part	Material
1.	Screw	Stainless Steel SAE 304
2.	Upper Body	Ductile Iron /Stainless Steel
3.	Upper Gasket	Teflon
4.	Body Gasket	E.P.D.M.
5.	Plate	Stainless Steel SAE 304
6.	Lower Body	Ductile Iron /Stainless Steel
7.	Lower Gasket	E.P.D.M. / St.St.SAE 304
8.	Operating Axis	Stainless Steel SAE 304
9.	"T" Handle	Stainless Steel SAE 304
10.	Operating Rod	Stainless Steel SAE 304

DIMENSIONS AND WEIGHTS

Dimensions mm.		Connection	Weight
A	B	C	Lbs.
11	12.9	3" NPT Male	39.68

