

## **UUNIQUE- Uni-directional Knife Gate Valves-Resilient Seated Replaceable Retainer Ring Type**

### **Model -US-02**

The US-02 model knife gate valves are resilient seated uni-directional, full lug , bonnet less design valves complying to MSS SP-81 standard. These knife gate valves are suitable for different applications in power , cement, paper and pulp, chemical ,biomass, process industries, water and waste water treatment plants etc.

In this version , a replaceable metallic ring encased within a dowel type groove for resilient seating is provided for drip tight shut off ,ensuring precision and reliability in operation. US-02 model knife gate valves are provided with following features:

- Special shut-off technique allows the gate to be pushed onto the seat in closed position provides a tight & reliable sealing.
- The unique valve structure eliminates potential clogging shut off of suspended solids. Thus allows the valves to handle solid, liquid and liquid solid mixes applications for varied industries. .

As standard US-02 model valves are supplied with valve body in stainless steel, cast carbon steel and can also be supplied in a range of high alloy materials such as Duplex, Hastelloy etc.

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Standard Features	Detail
Standards	<ul style="list-style-type: none"> <li>• Manufacturing : MSS SP-81</li> <li>• Face to Face : MSS SP-81</li> <li>• Testing : MSS SP-81 / MSS SP-151</li> </ul>
Seat / Flow Suitability	Resilient Seated- Replaceable Retainer Ring Type -Uni-directional
Bore Opening	Opening -95-98%
Standard Size	2" (DN50) to 24" (DN600), higher size on request
End Style	Full lugged up to 24" (DN600), full flanged above 24" (DN600)
Flange Drilling	ANSI B 16.5 150lb / DIN PN10 , other on request
Pressure Rating	<ul style="list-style-type: none"> <li>• 2" (DN50)-24" (DN600) - 150psi (10bar)</li> </ul>
Painting	Epoxy Shade black on all non-ss parts.
Testing	Drip Tight Shutoff / As agreed mutually

Contact factory for detail data sheets and drawings