

## Technical Specification :

**Design and Manufacture Standard:** ASME B16.34, HG/T 3704

**Face-to-face Dimension:** ASME B16.10 , GB/T 12221

**Flange Standard:** ASME B 16.5 ,GB/T 9119 ,DIN ,JIS

**Inspection and Testing:** API 598, GB/T 13927



## Product Specification:

**Body Material:** WCB, ASTM A395 , CF8 ,CF8M

**Lining Material:** PTFE , PFA , PO ,FEP, EPDM

**Nominal Diameter:** 1/2"-14"(DN15~DN350)

**Pressure Range:** Class150 , PN6 , PN10 , PN16

**Operation Method:** Manual ,Electric ,Pneumatic actuator

## Products Description:

1. Youfumi lined diaphragm valve is ideally suited for shut-off, flow control and throttling of corrosive process media in either liquid or gaseous state.

Its main features are heavy-duty, robust construction, maintenance-free, easy replacement of components on site. Convenient, flexible and accurate open or close.

2. It can sustain any corrosive medium in addition to the molten alkali metals and fluorine elements. It is ideal products used in chlor-alkali, industrial in organic chemicals, metal and mining, nitrogen and phosphatic fertilizers, petroleum refining, pharmaceutical etc.

3. It is not applicable for diaphragm used in medium with hard particles, which will cause diaphragm damage and leakage.

4. The working temperature cannot exceed the specified range.

5. Open the diaphragm too frequent will influence the sealing performance.

6. Lining material: PFA, FEP, GXPO etc.

7. Operation methods: manual, worm gear, electric, pneumatic and hydraulic actuator.

8. Youfumi lined diaphragm valves are available as per the needs of applications in additional sizes and other than standard materials.

## Material Specification:

1. Lock screw: A320 B8

2. Body bolt: A320 B8

3. Handwheel: A216 WCB; A351 CF8

4. Sleeve: SS304

5. Bonnet: A216 WCB; A351 CF8; A351 CF8M

6. Stem nut: Brass

7. Stem: 2Cr13; A182 304; A182 316

8. Adjustable pad: SS304

9. Disc: A216 WCB; A351 CF8; A351 CF8M

10. Rubber Diaphragm: EPDM

11. Diaphragm: PFA; FEP

12. Body: A216 WCB+Lining material; A351 CF8+Lining material; A351 CF8M+Lining material

13. Nut: A194 2H; A194 8; A194 8M

14. Flat washer: 45#; A182 304; A185 316

15. Outer hexagonal screw: A197 B7; A320 B8; A193 B8M