



**Proven, Reliable, Leak Tight  
Pneumatic Diaphragm Valves**

## PROCON ENGINEERS founded in 1973, by professionally experienced technocrats entrepreneurs.

Specialises in manufacturing Diaphragm valves for application involving slurries, suspended solids, viscous or corrosive substances and other hard to handle medium or where the tight closure (Bubble tight shut off) is a prime factor.

While primarily designed for on-off service, it will provide a proportional control action when furnished with a spring range or a positioner.

Valve Size ranges from 15 mm to 350 mm.

Material of construction of valves is cast iron, cast carbon steel, cast stainless steel and other alloys.

PROCON ENGINEERS Valves have been used in all types of industries such as petrochemicals, pharmaceuticals, power, refinery, fertilizer, steel, sugar, thermal, nuclear plants, food and beverages, mining, water treatment, waste and water treatment etc. not only in India, but also abroad. These valves have been internationally approved by various consultants, clients and by third party inspection agencies.

High quality standards are strictly maintained, each valve being checked for size, design pressure, proper selection of actuator by design calculations, MOC, finish etc and with in house painting.

PROCON ENGINEERS is in the process of ISO 9000 Certification.

Annual Capacity is 2000 Pneumatic & 4000 Manually operated Diaphragm Valves. Production facilities are located in Andheri, Mumbai, the heart of Industrial Activity.

**On time delivery of high quality valves and after sales service is our motto for last 28 years.**

### Salient Features:

**\* Type of Pneumatic Valves** : Diaphragm Actuator can be direct, reverse, or double acting in operation with spring or can be springless.

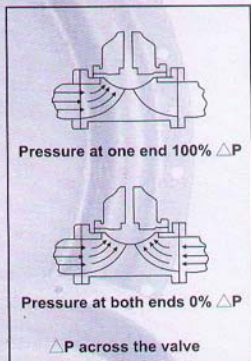
**\* Diaphragm Actuator Sizes** : Effective area from 9 Sq. Inches to 300 Sq. Inches and in case of double diaphragm it can go upto 600 Sq. Inches to match any thrust load requirements.

**\* Cylinder Actuator Sizes** : Equivalent size cylinder actuators, type single or double acting are also available. These are generally preferred where ever air supply pressure available is more. Double acting cylinder actuator is generally preferred when fail safe position calls for stay put operation in conjunction with air lock relay or for heavy duty operation.

**\* Operating Air Pressure** : 50 to 57 psig for diaphragm actuator and 100 psig for cylinder actuator is standard. Springless type actuator can be supplied with 3 psig constant loading

**\* Control Valve closing time** : approximate 8 to 10 Seconds.

**\* Control Valve Opening time** : approximate 20 to 24 Seconds.



### C V for Diaphragm Valves

| BODY SIZE |       | TRAVEL          | CV                     |                  |                  |                  |
|-----------|-------|-----------------|------------------------|------------------|------------------|------------------|
| MM        | INCH  |                 | Unlined or Glass lined |                  | Rubber lined     |                  |
|           |       |                 | Teflon Diaphragm       | Rubber Diaphragm | Teflon Diaphragm | Rubber Diaphragm |
| 15        | ½     | 1/4"            | 3                      | 5                | 3                | 4                |
| 20        | ¾     | 5/16"           | 5                      | 10               | 4                | 7                |
| 25        | 1     | 3/8"            | 10                     | 15               | 9                | 11               |
| 40        | 1 1/2 | 3/4"            | 22                     | 40               | 20               | 30               |
| 50        | 2     | 15/16" / 3/4"   | 32                     | 55               | 30               | 50               |
| 65        | 2 1/2 | 1 1/4" / 15/16" | 55                     | 85               | 50               | 75               |
| 80        | 3     | 1 1/2" / 1 1/4" | 75                     | 120              | 70               | 95               |
| 100       | 4     | 40mm / 1 1/2"   | 180                    | 210              | 165              | 200              |
| 125       | 5     | 50mm / 40mm     | 210                    | 280              | 200              | 270              |
| 150       | 6     | 70mm / 50mm     | 280                    | 370              | 270              | 350              |
| 200       | 8     | 80mm / 65mm     | 480                    | 650              | 450              | 620              |
| 250       | 10    | 3 1/2" / 70mm   | 690                    | 900              | 650              | 850              |
| 300       | 12    | 3 1/2" / 70mm   | 990                    | 1300             | 950              | 1200             |

Note : 1) In Column 2 smaller travel applicable for teflon diaphragms  
2) Actual Cv may vary within +/- 5% of above values

## Direct acting actuator (Action - Air to close, Spring to open, DOPC) fig:- 1

This actuator is designed to operate from a normally open position. Air pressure on the top side of the actuator diaphragm closes the valve and the spring opens the valve when the air is released from the actuator. (Air failure valve opens). Light springs are generally used in these valves in order to achieve tight shut off against relatively high fluid pressure.

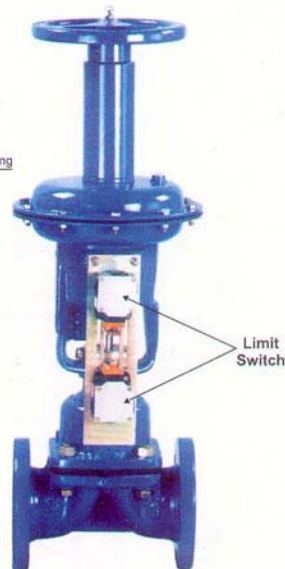
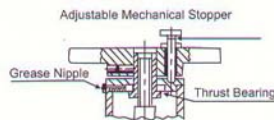
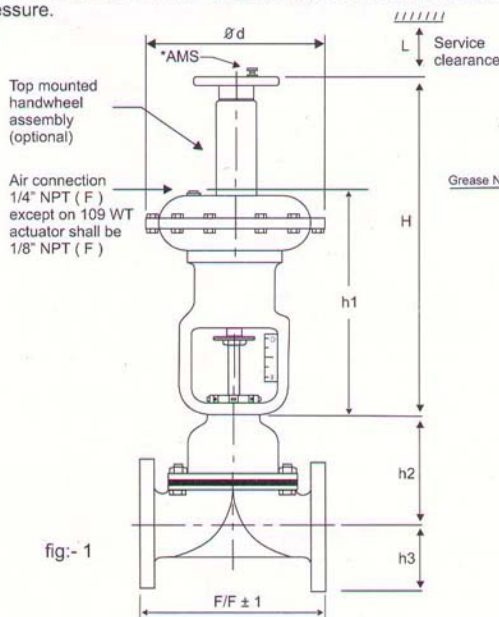


fig:- 1

- Note :**
1. H= Height with top mounted handwheel
  2. h1 = Height without top mounted handwheel.
  3. \*AMS = Adjustable mechanical opening stopper.
  4. The overall dimensions will vary  $\pm 50\text{mm}$  in all valve sizes.
  5. Dimensions for h3 as per ANSI 125 flanges.
  6. F/F = Face to Face

## Dimensions of Double Acting Actuator (fig:- 1)

| BODY SIZE |       | ACTUATOR |          | Face to Face |       | h1       |        | h2  |     | h3       |        | H        |        | $\delta d$ |        | L |
|-----------|-------|----------|----------|--------------|-------|----------|--------|-----|-----|----------|--------|----------|--------|------------|--------|---|
| MM        | INCH  | Standard | Senior   | Unlined      | Lined | Standard | Senior |     |     | Standard | Senior | Standard | Senior | Standard   | Senior |   |
| 15        | ½     | 109WT    | 109WT    | 108          | 114   | 170      | 170    | 60  | 45  | 280      | 280    | 110      | 110    | 200        |        |   |
| 20        | ¾     | 109WT    | 109WT    | 117          | 123   | 170      | 170    | 76  | 49  | 280      | 280    | 110      | 110    | 200        |        |   |
| 25        | 1     | 109WT    | 109WT    | 127          | 133   | 170      | 170    | 81  | 54  | 280      | 280    | 110      | 110    | 200        |        |   |
| 40        | 1.1/2 | 1018WT   | 1035WT   | 159          | 165   | 295      | 300    | 101 | 64  | 430      | 440    | 185      | 235    | 200        |        |   |
| 50        | 2     | 1018WT   | 1035WT   | 190          | 196   | 295      | 300    | 124 | 76  | 430      | 440    | 185      | 235    | 200        |        |   |
| 65        | 2.1/2 | 1035WT   | 1001WT   | 216          | 222   | 300      | 295    | 141 | 89  | 440      | 470    | 235      | 276    | 200        |        |   |
| 80        | 3     | 1001WT   | 1002WT   | 254          | 261   | 295      | 315    | 190 | 95  | 515      | 540    | 276      | 330    | 250        |        |   |
| 100       | 4     | 1002WT   | 1003WT   | 305          | 312   | 315      | 330    | 205 | 115 | 540      | 560    | 330      | 390    | 250        |        |   |
| 125       | 5     | 1002WT   | 1003WT   | 356          | 364   | 370      | 380    | 234 | 127 | 600      | 620    | 330      | 390    | 250        |        |   |
| 150       | 6     | 1004WT   | 1005WT   | 406          | 414   | 450      | 470    | 285 | 140 | 740      | 770    | 450      | 600    | 300        |        |   |
| 200       | 8     | 1005WT   | A1-300WT | 521          | 531   | 470      | 485    | 404 | 172 | 810      | 825    | 600      | 616    | 300        |        |   |
| 250       | 10    | 1005WT   | A1-300WT | 635          | 645   | 470      | 485    | 450 | 203 | 840      | 855    | 600      | 616    | 300        |        |   |
| 300       | 12    | A1-300WT | -        | 749          | 759   | 485      | -      | 605 | 242 | 890      | -      | 616      | -      | 350        |        |   |
| 350       | 14    | A1-300WT | -        | 749          | 759   | 485      | -      | 695 | 267 | 920      | -      | 616      | -      | 350        |        |   |

\* All table dimensions are in mm. Dimensions shown are for planning purposes and should not be used for manufacturing.



## Double Diaphragm actuator (TMH) (Action - Air to close, spring to open, DOPC) fig: - 2

Particularly used on larger valve sizes and where fluid pressure acts on both ends (i.e 0%). Larger size Diaphragm Valves requires tremendous amount of thrust to close the valve. Actuator as large as 300 sq. In., effective area might not be adequate. Battery of two or three actuators are combined to achieve the desired thrust.

## Double Diaphragm actuator (SMH) (Action - Air to close, spring to open, DOPC) fig: - 3

Side mounted handwheel (SMH) can be supplied as separate unit integral with the actuator. SMH involving large thrust loads are provided with worm and worm gear reduction. SMH can be locked in open position or closed as desired. These valves can be easily operated and maintained by the operator standing on the ground.

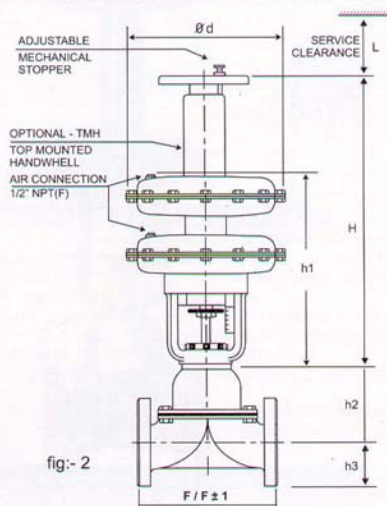


fig: - 2

TMH = Top mounted handwheel

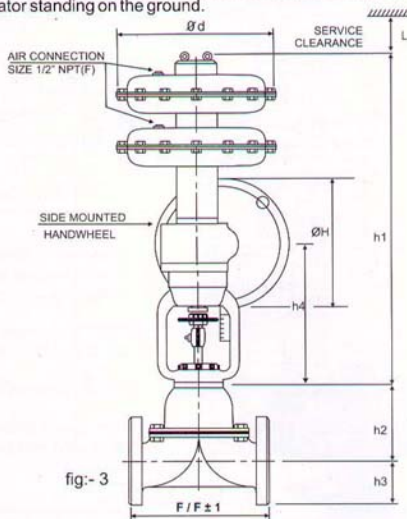


fig: - 3

SMH = Side mounted handwheel

- Note :**
1. \*AMS = Adjustable mechanical opening stopper.
  2. The overall dimensions will vary  $\pm 50$ mm in all valve sizes.
  3. Dimensions for h3 as per ANSI 125 flanges..
  4. F/F = Face to Face

### Dimensions of Double Diaphragm actuator (fig: - 2)

| BODY SIZE<br>MM INCH | ACTUATOR      | Face to Face |       | h1  | h2  | h3  | H    | $\theta$ d | L   |
|----------------------|---------------|--------------|-------|-----|-----|-----|------|------------|-----|
|                      |               | Unlined      | Lined |     |     |     |      |            |     |
| 200 8"               | 1005DD-WT     | 521          | 531   | 690 | 405 | 172 | 1010 | 600        | 350 |
| 200 8"               | A1-300DD - WT | 521          | 531   | 705 | 405 | 172 | 1025 | 616        | 350 |
| 250 10"              | 1005DD - WT   | 635          | 645   | 690 | 450 | 203 | 1030 | 600        | 350 |
| 250 10"              | A1-300DD - WT | 635          | 645   | 705 | 450 | 203 | 1045 | 616        | 400 |
| 300 12"              | A1-300DD - WT | 749          | 759   | 705 | 605 | 242 | 1065 | 616        | 400 |
| 350 14"              | A1-300DD - WT | 749          | 759   | 735 | 695 | 267 | 1095 | 616        | 400 |

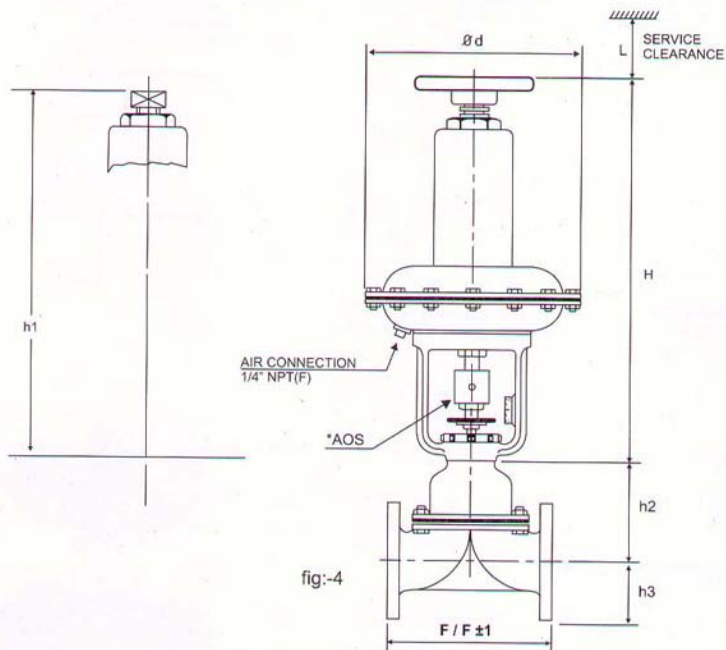
### Dimensions of Double Diaphragm actuator ( fig: - 3)

| BODY SIZE<br>MM INCH | ACTUATOR      | Face to Face |       | h1   | h2  | h3  | h4  | $\theta$ H | $\theta$ d | L   |
|----------------------|---------------|--------------|-------|------|-----|-----|-----|------------|------------|-----|
|                      |               | Unlined      | Lined |      |     |     |     |            |            |     |
| 200 8"               | 1005DD-WH     | 521          | 531   | 1050 | 405 | 172 | 410 | 380        | 600        | 300 |
| 200 8"               | A1-300DD - WH | 521          | 531   | 1115 | 405 | 172 | 410 | 380        | 616        | 300 |
| 250 10"              | 1005DD - WH   | 635          | 645   | 1050 | 450 | 203 | 410 | 380        | 600        | 300 |
| 250 10"              | A1-300DD - WH | 635          | 645   | 1115 | 450 | 203 | 410 | 380        | 616        | 300 |
| 300 12"              | A1-300DD - WH | 749          | 759   | 1115 | 605 | 242 | 410 | 380        | 616        | 300 |
| 350 14"              | A1-300DD - WH | 749          | 759   | 1115 | 695 | 267 | 410 | 380        | 616        | 300 |

\* All table dimensions are in mm. Dimensions shown are for planning purposes and should not be used for manufacturing.

### Reverse acting actuator (Action - Air to open, spring to close, DOPO) fig:- 4

This actuator is designed to operate from a normally closed position, air pressure on the bottom side of the actuator diaphragm opens the valve, this air pressure will lift and hold the diaphragm valve in a partially or fully open position until the air is released and the spring action closes the valve. (Air failure valve closes). Heavy duty springs are generally used in these valves for initial spring tension to achieve tight shut off pressures.



- Note :**
1. H= Height with top mounted handwheel
  2. h1 = Height without top mounted handwheel.
  3. \*AOS = Adjustable opening stopper.
  4. The overall dimensions will vary  $\pm 50$ mm in all valve sizes.
  5. Dimensions for h3 as per ANSI 125 flanges.
  6. F/F = Face to Face

### Dimensions of Reverse acting actuator (fig :- 4)

| BODY SIZE |       | ACTUATOR  |           | Face to Face |       | h1       |        | h2  | h3  | H        |        | $\varnothing d$ |        | L   |
|-----------|-------|-----------|-----------|--------------|-------|----------|--------|-----|-----|----------|--------|-----------------|--------|-----|
| MM        | INCH  | Standard  | Senior    | Unlined      | Lined | Standard | Senior |     |     | Standard | Senior | Standard        | Senior |     |
| 15        | ½     | 1018 RWT  | 1018 RWT  | 108          | 114   | 430      | 430    | 70  | 45  | 470      | 470    | 185             | 185    | 200 |
| 20        | ¾     | 1018 RWT  | 1018 RWT  | 117          | 123   | 430      | 430    | 86  | 49  | 470      | 470    | 185             | 185    | 200 |
| 25        | 1     | 1018 RWT  | 1018 RWT  | 127          | 133   | 430      | 430    | 96  | 54  | 470      | 470    | 185             | 185    | 200 |
| 40        | 1.1/2 | 1018 RWT  | 1035 RWT  | 159          | 165   | 430      | 450    | 101 | 64  | 470      | 490    | 185             | 235    | 200 |
| 50        | 2     | 1035 RWT  | 1001 RWT  | 190          | 196   | 450      | 500    | 124 | 76  | 490      | 540    | 235             | 276    | 200 |
| 65        | 2.1/2 | 1035 RWT  | 1001 RWT  | 216          | 222   | 450      | 500    | 141 | 89  | 490      | 540    | 235             | 276    | 250 |
| 80        | 3     | 1001 RWT  | 1002 RWT  | 254          | 261   | 530      | 620    | 190 | 96  | 580      | 670    | 276             | 330    | 250 |
| 100       | 4     | 1002 RWT  | 1003 RWT  | 305          | 312   | 620      | 690    | 205 | 115 | 670      | 740    | 330             | 390    | 300 |
| 125       | 5     | 1002 RWT  | 1003 RWT  | 356          | 364   | 680      | 715    | 234 | 127 | 730      | 770    | 330             | 390    | 300 |
| 150       | 6     | 1004 RWT  | 1005 RWT  | 406          | 414   | 910      | 1000   | 285 | 140 | 990      | 1080   | 450             | 600    | 300 |
| 200       | 8     | 1005 RWT  | A2-300RWT | 521          | 531   | 1010     | 1020   | 404 | 172 | 1120     | 1130   | 600             | 616    | 350 |
| 250       | 10    | A2-300RWT | -         | 635          | 645   | 1150     | -      | 450 | 203 | 1300     | -      | 616             | -      | 350 |

\* All table dimensions are in mm. Dimensions shown are for planning purposes and should not be used for manufacturing.



### Double Diaphragm actuator - Air to open, Spring to close, (DOPO) fig:- 5

Particularly used where fluid pressure acts at both ends (i.e 0%). The larger size Diaphragm Valves requires tremendous amount of thrust to close the valve. Actuator as large as 300 sq. In. effective area might not be adequate. Battery of two or three actuators are combined to achieve the desired thrust.

### Dimensions of Double Diaphragm actuator, DOPO (fig:-5)

| BODY SIZE |      | ACTUATOR     | Face to Face |       | h1   | h2  | h3  | H    | Ø d | L   |
|-----------|------|--------------|--------------|-------|------|-----|-----|------|-----|-----|
| MM        | INCH |              | Unlined      | Lined |      |     |     |      |     |     |
| 200       | 8"   | 1005DD-RWT   | 521          | 531   | 1180 | 405 | 172 | 1290 | 600 | 500 |
| 200       | 8"   | A2-300DD-RWT | 521          | 531   | 1190 | 405 | 172 | 1300 | 616 | 500 |
| 250       | 10"  | 1005DD-RWT   | 635          | 645   | 1200 | 450 | 203 | 1320 | 600 | 500 |
| 250       | 10"  | A2-300DD-RWT | 635          | 645   | 1215 | 450 | 203 | 1335 | 616 | 500 |
| 300       | 12"  | A2-300DD-RWT | 749          | 759   | 1250 | 605 | 242 | 1360 | 616 | 500 |
| 350       | 14"  | A2-300DD-RWT | 749          | 759   | 1270 | 695 | 267 | 1380 | 616 | 500 |

### Double acting Diaphragm valve, (D/A) fig:- 6

The air chamber in this double acting actuator are usually controlled by a single 4-way solenoid operated valve which admits air into one chamber while exhaust air from the other side of chamber, either opening or closing the valve depending on the air connections.

Unlike spring opposed diaphragm actuator where major part of the stem thrust is absorbed by the spring, full thrust depending on the air supply pressure is available as net thrust for operating the valve.

The fail-safe operation for double acting actuator can be stay put by using air lock.

Double acting actuator can be operated by conventional 3-way solenoid valve by providing a constant air pressure loading on the other side of the air chamber.

### Dimensions of Double acting Diaphragm, (fig:-6)

| BODY Size |      | ACTUATOR | Face to Face |       | h2  | h3  | H   | Ød  | L   |
|-----------|------|----------|--------------|-------|-----|-----|-----|-----|-----|
| MM        | Inch |          | Unlined      | Lined |     |     |     |     |     |
| 25        | 1    | 1018D/A  | 127          | 133   | 80  | 54  | 326 | 185 | 100 |
| 40        | 1 ½  | 1018D/A  | 159          | 165   | 105 | 64  | 326 | 185 | 100 |
| 50        | 2    | 1018D/A  | 190          | 196   | 125 | 76  | 326 | 185 | 100 |
| 65        | 2 ½  | 1035D/A  | 216          | 222   | 150 | 89  | 351 | 235 | 180 |
| 80        | 3    | 1001D/A  | 254          | 261   | 190 | 95  | 355 | 276 | 150 |
| 100       | 4    | 1002D/A  | 305          | 312   | 205 | 115 | 375 | 330 | 200 |
| 125       | 5    | 1003D/A  | 356          | 364   | 234 | 127 | 405 | 330 | 200 |
| 150       | 6    | 1004D/A  | 406          | 414   | 280 | 140 | 535 | 450 | 250 |
| 200       | 8    | 1005D/A  | 521          | 531   | 390 | 173 | 590 | 600 | 250 |
| 250       | 10   | 300D/A   | 635          | 645   | 460 | 203 | 620 | 616 | 300 |



fig:- 8

### Diaphragm Actuator for Throttling Application: (fig:-8)

The actuator can be equipped with Valve Positioner and actuator spring with standard spring range to achieve positioner accuracy.

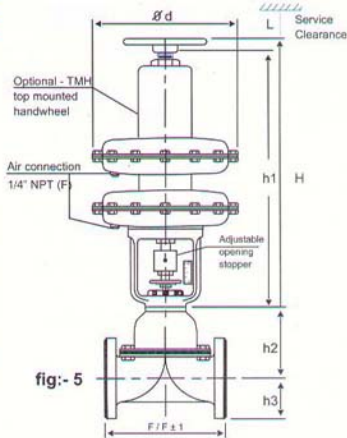


fig:- 5

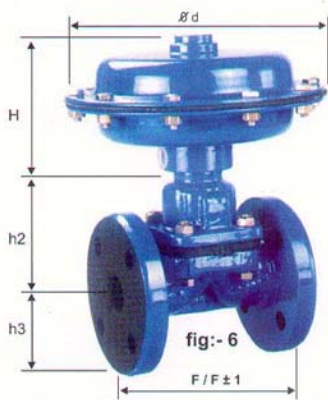


fig:- 6

### Cylinder operated Diaphragm Valve: (fig:-7)

Cylinder actuators are either single or double acting type and are generally used where ever air supply pressure available is more. Double acting cylinder is generally preferred when fail safe position calls for stay put operation with air lock relay or for heavy duty operation.



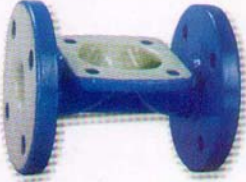
fig:- 7



2. Halar Lined:



3. Glass Lined



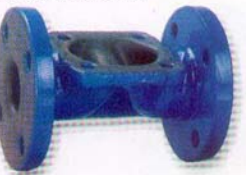
4. PVDF Lined



5. Perfluoro Alkoxy (PFA) Lined



6. Polypropylene Lined



- Ebonite-Hard rubber lining:**  
Natural rubber Ebonite, Sulphur cured. Highly suitable for inorganic bases, salts, hydrochloric acid, metal plating solutions, photographic developers, water chlorinated moist chlorine.
- Halar Lining: (Ethylene chlorotrifluoroethylene)**  
Resists many industrial chemicals and additionally protects the exposed parts of valve bodies to cut-out painting. Excellent resistance to mineral and oxidising acids, inorganic basis, salts.
- Glass Lining:**  
Purity, smooth flow (specially on viscous fluids) with great strength and resistance to chemical attack. Excellent for strong mineral acids, halogens.
- PVDF (Polyvinylidene fluoride):**  
PVDF is high molecular weight polymer of vinylidene fluoride. It is mechanically strong, thermally stable and resistant to most inorganic acids and bases - for high performance without exotic material costs.
- PFA lining (Perfluoro Alkoxy):**  
High performance fluorocarbon lining is resistant to heat and stress cracking and its moisture absorption is negligible. Combines strength and abrasion resistance for long service. PFA has good mechanical and physical properties at high temperatures. It is capable of resisting strong acid attack and can operate at 200°C.
- Polypropylene lining (PP):**  
PP is a general purpose lining with particular applications for water treatment, effluent lines, especially hot effluent from dyestuffs, chemical processing etc. This material has an ultra high heat stable copolymer.

**Other types of rubber lining available:**

We can offer Natural, Nitrile (Buna-N), Hyplon, Butyl, FRP, Lead, Teflon (Halar, ECTFE, FEP, PFA), Food grade lining, EPDM-calcium, magnesium & Silica free etc. Types of rubber lining.

**Type of body diaphragms:**

We can offer Natural Neoprene, Hyplon, Butyl, EPDM, PTFE with Neo, Butyl, EPDM pad, Viton, Nitrile Buna-N, Food grade etc. type of body diaphragms.

**Lining Hardness:**

|                       |                    |
|-----------------------|--------------------|
| Hard Rubber (Ebonite) | 95 $\pm$ 5 Shore A |
| Soft Rubber           | 65 $\pm$ 5 Shore A |

**Rubber Lining thickness:**

| Body size  | Thickness |
|------------|-----------|
| 15 to 65   | 3 mm      |
| 80 to 100  | 3.5 mm    |
| 125 to 150 | 4 mm      |
| 200 to 350 | 5 mm      |

**Standards:**

- Diaphragms Valves conform to BS:5156 (Series 's')
- Castings standardized to IS 210 grade FG 200 (FG 260 available on request)
- Flanges Size 15-80 : Connecting dimensions and Thickness to BS - 10 Table F (BS:5156)
- Flanges Size 100-350 : Connecting dimensions and Thickness to ANSI B 16. 1 Class 125 lbs (BS:5156)
- Flanges Size 15-350 : Connecting dimensions and Thickness to BS - 4504, PN - 10 / PN - 16 - (DIN : 3202 - F1)
- Standard screwed ends: Size 6-100 to have BS:21 (Parallel or taper - threads) Or ANSI / ASME B1.20.1 (NPT) threads.
- Socket weld ends & Butt weld ends: Size 6-100 as per ANSI B 16.11 & ANSI B 16.25 suitable for schedule 40 / 40S respectively



### Approved by Consultants:

Bhabha Atomic Research Centre  
Bharat Heavy Electrical Ltd.  
BSES Ltd.  
Development Consultants Ltd.  
Dalal Consultants & Engineers Pvt. Ltd.  
FACT Engg. & Design Org. (FEDO)  
IBI Chematur (Engg. & Consult.) Ltd.  
Jacob H & G Consultants Ltd.  
Kaverner Powergas India Ltd.  
M.N. Dastur & Company Ltd.  
National Thermal Power Corp. Ltd.  
Nuclear Power Corporation of India Ltd.  
Oil & Natural Gas Corp. Ltd.  
Projects and Development India Ltd.

Simon-Carves India Ltd.  
Desein India Pvt. Ltd.  
Engineers India Ltd.  
Enmass India Ltd.  
FICHTNER Consult. Engrs (I) P. Ltd.  
Fair service organisation  
Larsen & Toubro Ltd.  
MECON Ltd.  
Pipecon consultants (I) P Ltd.  
R.J. Associates (Eng) P. Ltd.  
Tata Consulting Engrs.  
Technimont ICB Ltd.  
Toyo Engg. (I) Ltd.  
UHDE India Ltd.

### Third party inspection:

Our valves have been approved by following third party.  
Bureau Veritas Industrial Services (India) Pvt. Ltd.  
Certification Engineers International Ltd.  
Det Norske Veritas (DNV)  
Lloyds Register of Industrial Services  
Nuclear Power Corporation of India Ltd.  
SGS India Pvt. Ltd.

### Partial list of satisfied International Customers :

|   |                  |
|---|------------------|
| Gas District Cooling SDN. BHD               | Malaysia         |
| Indo Worth (Thailand) Ltd.                  | Thailand         |
| Indo Jordan Chemical Co. Ltd.               | Jordan           |
| Indo Rama Chemicals (Thailand) Ltd.         | Thailand         |
| Kawasaki Heavy Industries.                  | Japan            |
| Keells Hotels Management Services           | Srilanka         |
| Kendag Ltd.                                 | Kenya            |
| Mingguo Cement Plant                        | China            |
| Pt. Cikarang Listrindo                      | Indonesia        |
| Pt. Trita Dergremont                        | Indonesia        |
| Pt. Risjad Brasilia Peroxides               | Indonesia        |
| Sriram Sugar Mills Ltd.                     | Nepal            |
| Sembawang Utilities and Terminals Pte. Ltd. | Singapore        |
| Strok Ketals                                | Indonesia        |
| Sembawang Projects Engineering              | Singapore        |
| SPIC-SMO                                    | Jordan           |
| South Textiles Lanka Pvt. Ltd.              | Sri Lanka        |
| Thai Baroda Industries Ltd.                 | Thailand         |
| Tyco Flow Control Pacific Pty Ltd.          | Australia, Nowra |

### Partial List of Customers

- \* ALSTOM Power India Ltd.
- \* Aquatech Systems (Asia) Pvt. Ltd.
- \* Atomic Energy Dept. (BARC)
- \* Bharat Heavy Electrical Ltd.
- \* Bharat Petroleum Corporation Ltd.
- \* BSES Ltd.
- \* Century Rayon
- \* CESC Ltd.
- \* Chennai Petroleum Corporation Ltd.
- \* Damodar Valley Corporation.
- \* Deepak Fertilizers & Petrochemicals Corp. Ltd.
- \* Doshi Ion Exchange & Chem. Indus. Ltd.
- \* Essar Power Ltd.
- \* Finolex Industries Ltd.
- \* GAEL
- \* GIPCL
- \* Gujrat State Fertilizer & Chemicals Ltd.
- \* Gas Authority of India Ltd. (GAIL)
- \* HINDALCO Ltd.
- \* Hindustan Petroleum Corp. Ltd.
- \* IFFCO Ltd.
- \* Indian Oil Corporation Ltd.
- \* Indian Rayon & Industries Ltd.
- \* Indo Gulf Corp. Ltd.
- \* Indocan Engineering Systems Ltd.
- \* Indian Petrochemicals Corp. Ltd.
- \* Ion Exchange (India) Ltd.
- \* Kerala Chemicals & Proteins Ltd.
- \* Kochi Refinery Ltd.
- \* Larsen & Toubro Ltd.
- \* Madras Fertilizer Ltd.
- \* Maharashtra State Electricity Board
- \* Maruti Udyog Ltd.
- \* Mangalore Chemicals & Fertilizers Ltd.
- \* Mysore Paper Mills
- \* Mangalore Refinery & Petrochemicals Ltd.
- \* Nirma Ltd.
- \* NALCO
- \* Narmada Chematur Petrochemicals Ltd.
- \* National Fertilizers Ltd.
- \* Nagarjuna Fertilizers & Chemicals Ltd.
- \* National Thermal Power Corp. Ltd.
- \* Oswal Chemicals & Fertilizers Ltd.
- \* Project & Development India Ltd.
- \* Rashtriya Chemicals & Fertilizer Ltd. (RCF)
- \* Reliance Industries Ltd.
- \* Sree Rayalseema Alkali & Allied Chem.
- \* Steel Authority of India Ltd.
- \* Tata Chemicals Ltd.
- \* Tata Iron & Steel Co. Ltd.
- \* Thermax Ltd.
- \* UHDE India Ltd.
- \* VA Tech. Wabag Ltd.
- \* WBPDC Ltd.

To the best of our knowledge the information contained in this publication is accurate. PROCON ENGINEERS maintains a policy of continuous development and reserves the right to amend the information given herein without notice.



is the trademark of PROCON ENGINEERS.

### Manufactured By:



## PROCON ENGINEERS

### Also marketed By:

R.K. CONTROL INSTRUMENTS PVT. LTD.

Plot Number A-250, Opp. Police Station, Wagle Industrial Estate, Thane - 400 604, Ph: 5820943, 5822331, 5821062 Fax : 022-5820801

CHENNAI : No. 76, 1st Floor, Habibullah Road, T. Nagar, Chennai - 600017. Phone : 044-814 2492, 814 3358 Fax : 044-814 2492  
DELHI : 25/1, Community centre, East of Kailash, New Delhi - 110065. Phone : 011 - 6448819, 6426902

### SALES REPRESENTATIVES :

KOLKATA : PATFEME ASSOCIATES, 7A, Lala Lajpat rai sarani (Elgin Rd.) Kolkata-700 020 Ph. 247 8864, 240 2189/0270 FAX : 91-33-2403879

101, ARK Industrial Estate, next to bajrang petrol pump,  
Makwana lane, Marol naka, Off. Andheri Kurla Road,  
Andheri (E), Mumbai - 400 059, INDIA.  
Phone: 022-850 1599/850 4436. Fax : 0091 - 22 - 8501699  
Email : procon@vsnl.com  
Web site: www.procon-engineers.com