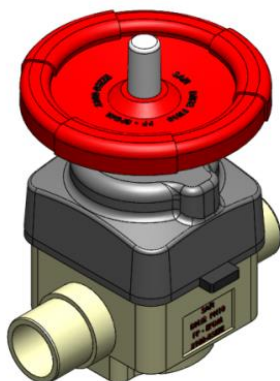
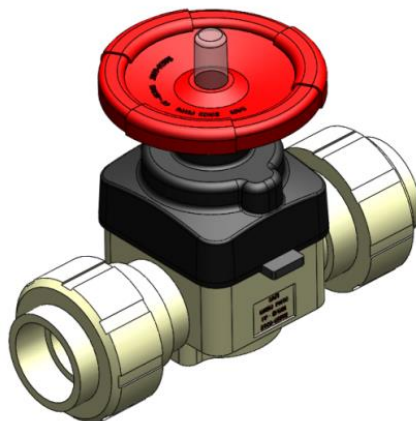


## DIAPHRAGM VALVE - DN15 (1/2") to DN50 (2") – PVC-U, PP-H, PVDF

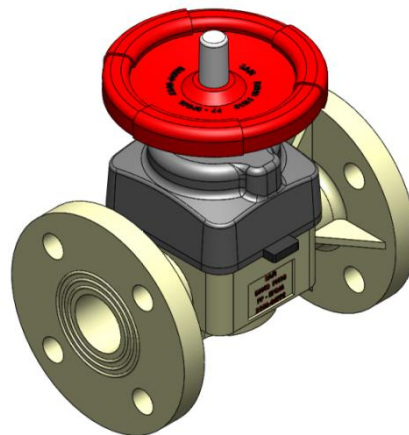
Conform to the 2014/68/EU Directive



**DN40 – PP-H**  
*Metric spigot outlets*



**DN40 – PP-H**  
*Double union*



**DN40 – PP-H**  
*Flanged*

## MAIN FEATURES

- Optimized pressure drop due to body design.
- Stainless steel mounting inserts designed to support the valve. Same distance between the inserts for all DN.
- Standard handwheel suitable for handle extension and/or locking system.
- EPDM, FPM, or PTFE diaphragm (EPDM backing).
- Color wheel according to diaphragm material (Red= EPDM, Green = FPM, Blue = PTFE).

The design of diaphragm valves does not allow operation under vacuum.

## STANDARDS AND APPROVALS



NR320 : Certification scheme of materials and equipment for the classification of marine units

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Fax : (+56 2) 2 510 3507  
info@safi-america.com

## DIMENSIONS

### Metric spigots version

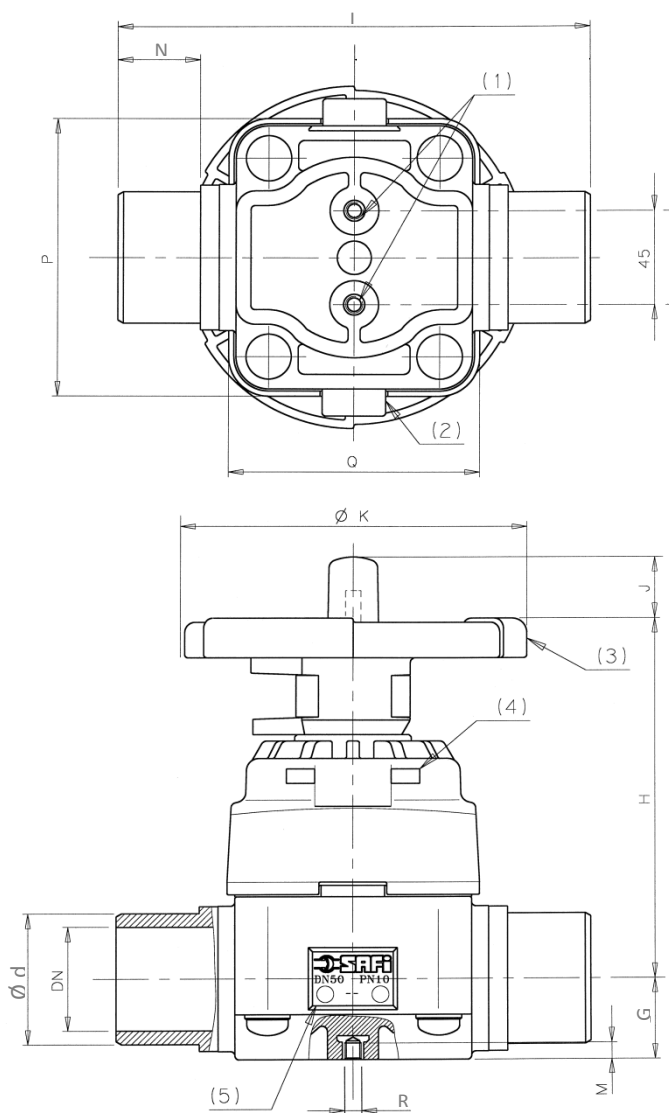


Diagram representing a DN50

| DN | Ød | G    | H   | J  | ØK  | L   | M  | N    | P   | Q   | R  | WEIGHT (in Kg) |      |      |
|----|----|------|-----|----|-----|-----|----|------|-----|-----|----|----------------|------|------|
|    |    |      |     |    |     |     |    |      |     |     |    | PVC-U          | PP-H | PVDF |
| 15 | 20 | 21,5 | 120 | 13 | 101 | 124 | 10 | 17   | 91  | 75  | M6 | 0,76           | 0,68 | 0,80 |
| 20 | 25 | 21,5 | 120 | 13 | 101 | 144 | 10 | 19,5 | 91  | 75  | M6 | 0,79           | 0,70 | 0,83 |
| 25 | 32 | 21,5 | 120 | 13 | 101 | 154 | 10 | 23,5 | 91  | 75  | M6 | 0,80           | 0,71 | 0,85 |
| 32 | 40 | 32   | 142 | 25 | 139 | 174 | 8  | 27   | 110 | 101 | M8 | 1,50           | 1,32 | 1,61 |
| 40 | 50 | 32   | 142 | 25 | 139 | 194 | 8  | 32   | 110 | 101 | M8 | 1,56           | 1,34 | 1,66 |
| 50 | 63 | 39   | 175 | 30 | 163 | 224 | 8  | 39   | 137 | 123 | M8 | 2,80           | 2,4  | 3,02 |

## Double union version + Female socket

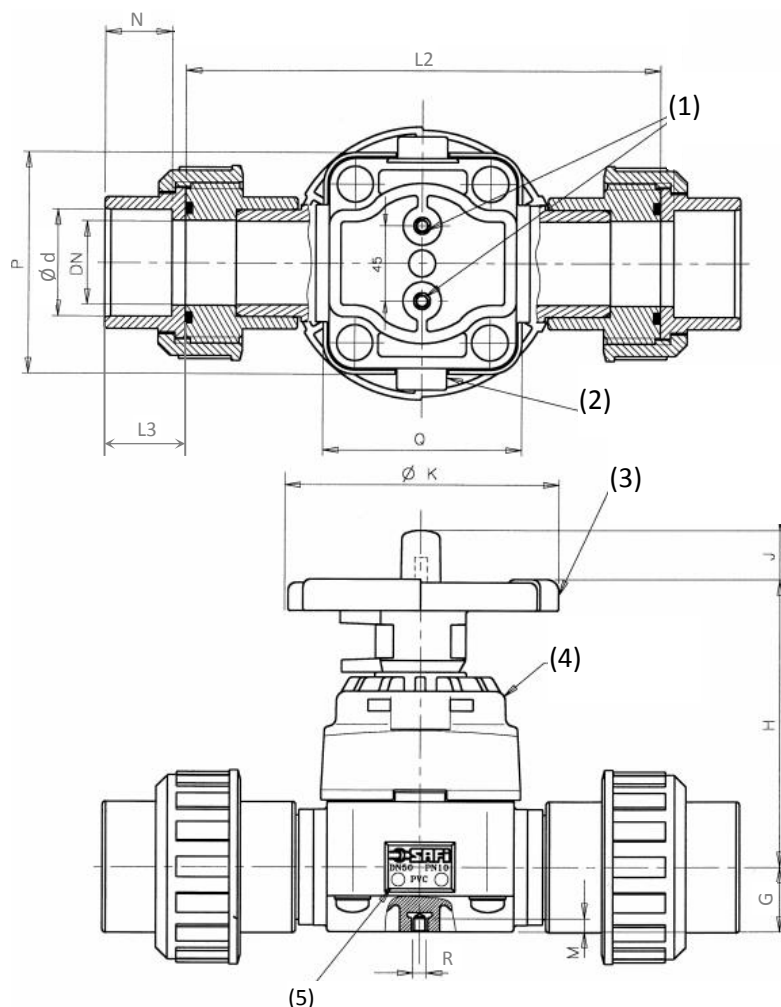
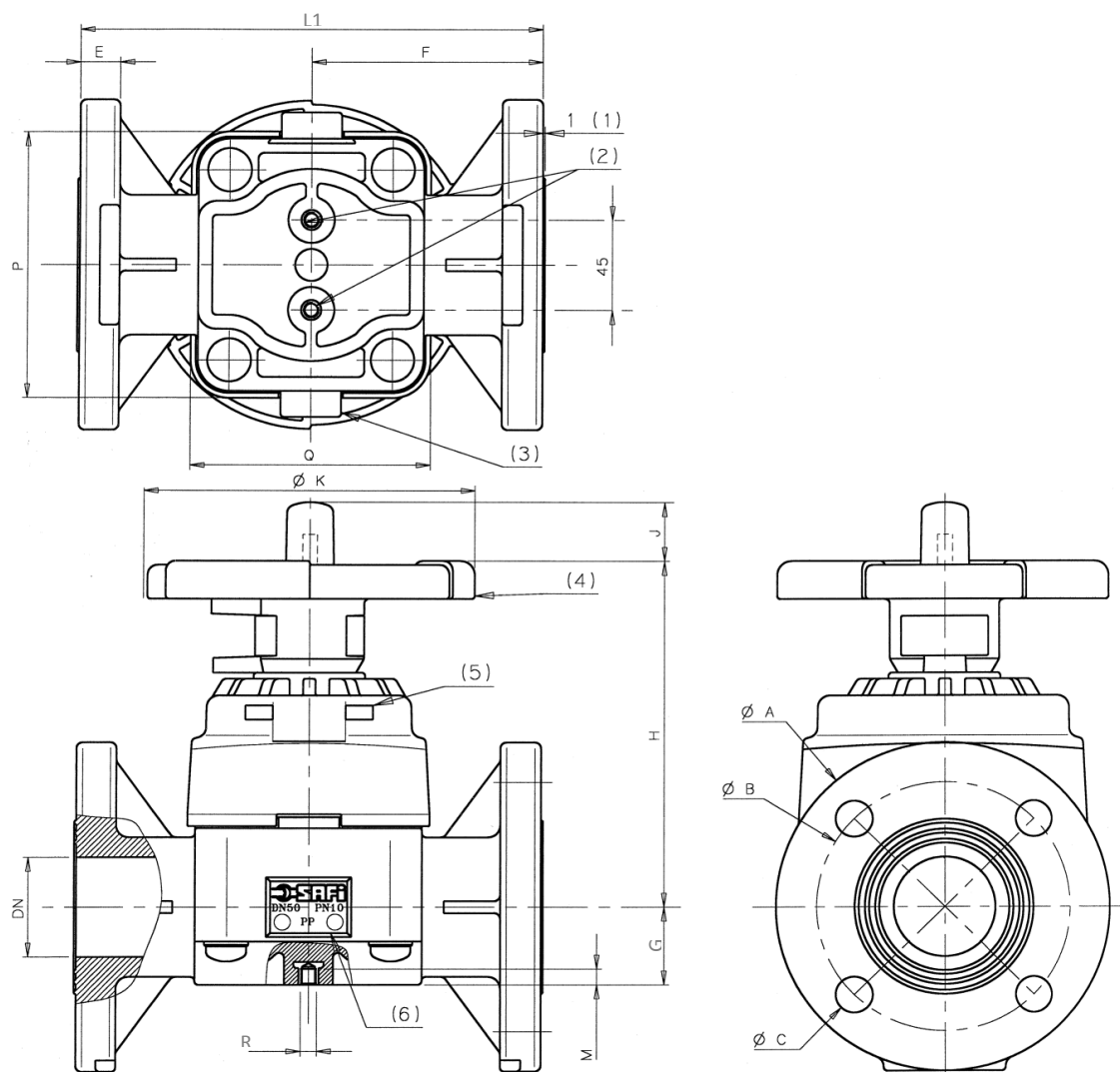


Diagram representing a DN50

| DN | Ød | PVC-U         |      |       | PP-H          |      |               |                 |      |       | PVDF          |      |       |
|----|----|---------------|------|-------|---------------|------|---------------|-----------------|------|-------|---------------|------|-------|
|    |    | Metric Socket |      | L2    | Metric Socket |      | Metric Spigot | Threaded socket |      | L2    | Metric Socket |      | L2    |
|    |    | N             | L3   |       | N             | L3   | L3            | N               | L3   |       | N             | L3   |       |
| 15 | 20 | 16,5          | 22,5 | 142   | 17            | 21   | 49,5          | 17,5            | 22,5 | 151,5 | 17            | 21,5 | 144   |
| 20 | 25 | 20            | 25,5 | 159,5 | 18            | 22,5 | 49,5          | 20,5            | 25,5 | 169,5 | 18            | 22,5 | 162   |
| 25 | 32 | 23,5          | 28   | 172   | 20            | 24   | 49            | 22              | 29   | 182   | 20            | 24,5 | 173,3 |
| 32 | 40 | 27,5          | 32   | 197   | 22            | 27   | 49            | 24              | 30   | 205,5 | 22            | 26   | 199   |
| 40 | 50 | 24,5          | 32   | 216   | 25            | 30,5 | 48            | 24              | 31   | 227   | 25            | 31   | 222   |
| 50 | 63 | 24,5          | 34,5 | 254   | 29,5          | 35,5 | 48            | 24              | 32,5 | 256   | 29,5          | 36   | 258,5 |

| DN |     |    |     |      |    |     |     |    | WEIGHT (in Kg) |      |      |
|----|-----|----|-----|------|----|-----|-----|----|----------------|------|------|
|    | H   | J  | ØK  | G    | M  | P   | Q   | R  | PVC-U          | PP-H | PVDF |
| 15 | 120 | 13 | 101 | 21,5 | 10 | 91  | 75  | M6 | 0,85           | 0,94 | 0,94 |
| 20 | 120 | 13 | 101 | 21,5 | 10 | 91  | 75  | M6 | 0,87           | 1,07 | 1,03 |
| 25 | 120 | 13 | 101 | 21,5 | 10 | 91  | 75  | M6 | 0,90           | 1,18 | 1,09 |
| 32 | 142 | 25 | 139 | 32   | 8  | 110 | 101 | M8 | 1,80           | 2,09 | 1,99 |
| 40 | 142 | 25 | 139 | 32   | 8  | 110 | 101 | M8 | 1,96           | 2,28 | 2,21 |
| 50 | 175 | 30 | 163 | 39   | 8  | 137 | 123 | M8 | 2,90           | 3,70 | 3,87 |

## Flanged Version



NOTE: Our flanged valve body, designed as one-piece body, requires imperatively the use of bolts with adapted lengths for the connection. Using flat washers is highly recommended.

The optimum tightening for the bolts of the flanges is obtained at a torque of 10 to 20 N.m.

|    |     | ØB  |       |       | ØC  |      |    |    |     | L1    |      |       |     |    |     |      |    |     |     |    |
|----|-----|-----|-------|-------|-----|------|----|----|-----|-------|------|-------|-----|----|-----|------|----|-----|-----|----|
| DN | ØA  | DIN | ANSI  | BS    | DIN | ANSI | BS | E  | F   | PVC-U | PP-H | PVDF  | H   | J  | ØK  | G    | M  | P   | Q   | R  |
| 15 | 95  | 65  | 60    | -     | 14  | 16   | -  | 14 | 65  | 131   | 131  | 130,5 | 120 | 13 | 101 | 21,5 | 10 | 91  | 75  | M6 |
| 20 | 105 | 75  | 70    | -     | 14  | 16   | -  | 16 | 75  | 151   | 150  | 150   | 120 | 13 | 101 | 21,5 | 10 | 91  | 75  | M6 |
| 25 | 115 | 85  | 79,5  | 82    | 14  | 16   | 14 | 16 | 80  | 162   | 161  | 160,5 | 120 | 13 | 101 | 21,5 | 10 | 91  | 75  | M6 |
| 32 | 140 | 100 | 89    | 87,3  | 18  | 16   | 14 | 18 | 90  | 181   | 181  | 180   | 142 | 25 | 139 | 32   | 8  | 110 | 101 | M8 |
| 40 | 150 | 110 | 98,4  | 98,4  | 18  | 16   | 14 | 18 | 100 | 201   | 201  | 200   | 142 | 25 | 139 | 32   | 8  | 110 | 101 | M8 |
| 50 | 165 | 125 | 120,6 | 114,3 | 18  | 19   | 18 | 20 | 115 | 232   | 231  | 230   | 175 | 30 | 163 | 39   | 8  | 137 | 123 | M8 |

DIN = Drilling in accordance with EN1092-1 PN10/PN16 ANSI = Drilling in accordance with ASME B16.5 CLASS 150

| WEIGHT (in Kg) |       |      |      |
|----------------|-------|------|------|
| DN             | PVC-U | PP-H | PVDF |
| 15             | 1,02  | 0,84 | 1,02 |
| 20             | 1,14  | 0,92 | 1,27 |
| 25             | 1,22  | 0,98 | 1,32 |
| 32             | 2,2   | 1,76 | 2,5  |
| 40             | 2,3   | 1,85 | 2,7  |
| 50             | 3,9   | 3,09 | 4,4  |

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## PARTS LIST

### Spigots version

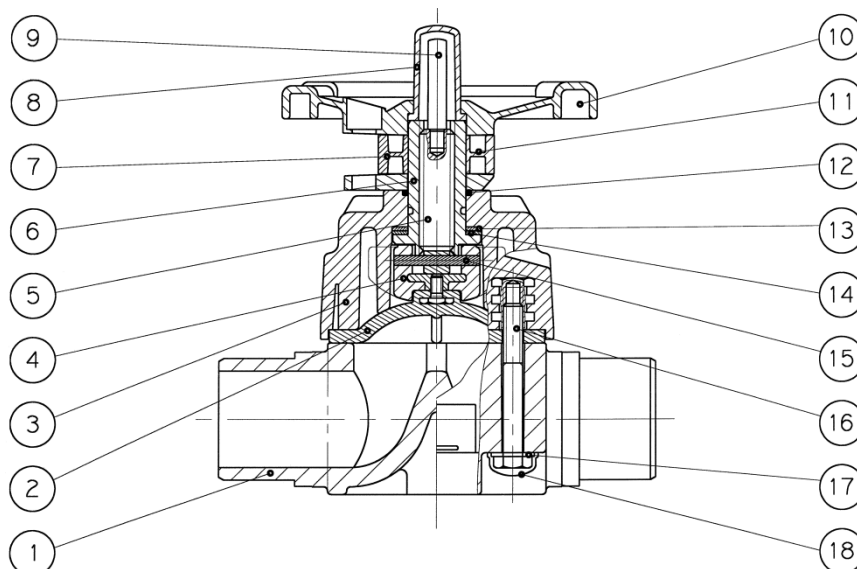


Diagram showing a DN50

| ITEM | No | DESCRIPTION                        | MATERIAL          |
|------|----|------------------------------------|-------------------|
| 1    | 1  | VALVE BODY WITH DIN METRIC SPIGOTS | PVC-U, PP-H, PVDF |
|      |    | VALVE BODY WITH BS SPIGOTS         | PVC-U, PP-H, PVDF |
| 2    | 1  | EPDM DIAPHRAGM                     | EPDM              |
|      |    | FPM DIAPHRAGM                      | FPM               |
|      |    | PTFE DIAPHRAGM WITH EPDM BACKING   | PTFE + EPDM       |
| 3    | 1  | BONNET                             | PPGF              |
| 4    | 1  | DIAPHRAGM COMPRESSOR               | PPGF              |
| 5    | 1  | DIAPHRAGM COMPRESSOR SCREW         | STEEL             |
| 6    | 1  | GUIDE RING                         | BRASS             |
| 7    | 1  | HANDLE KEY                         | PPGF              |
| 8    | 1  | TRANSPARENT CAP                    | PC                |
| 9    | 1  | VISUAL POSITION INDICATOR          | PP-H              |
| 10   | 1  | RED WHEEL (FOR EPDM DIAPHRAGM)     | PP-H              |
|      |    | GREEN WHEEL (FOR FPM DIAPHRAGM)    | PP-H              |
|      |    | BLUE WHEEL (FOR PTFE DIAPHRAGM)    | PP-H              |
| 11   | 1  | LOCKING CLIP                       | PPGF              |
| 12   | 1  | O'RING                             | EPDM              |
| 13   | 1  | FIXED WASHER                       | -                 |
| 14   | 1  | FLOATING WASHER                    | -                 |
| 15   | 1  | SPLIT IN                           | STEEL             |
| 16   | 4  | FIXING SCREW                       | SS 316            |
| 17   | 4  | FLAT WASHER                        | SS 316            |
| 18   | 4  | PROTECTING CAP                     | PE                |

## Double union version + Socket

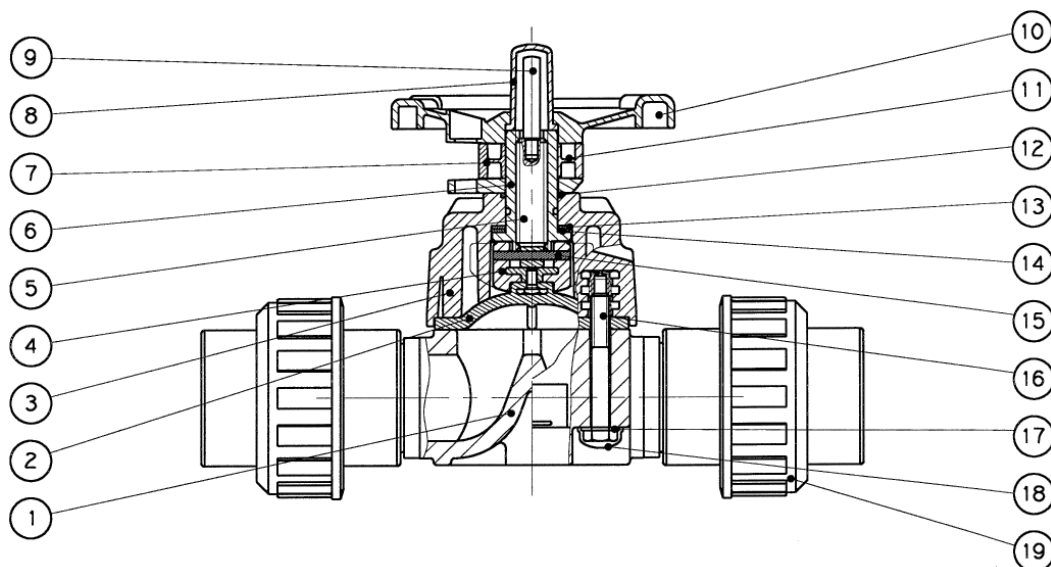


Diagram showing a DN50

| ITEM | No | DESCRIPTION                        | MATERIAL          |
|------|----|------------------------------------|-------------------|
| 1    | 1  | VALVE BODY WITH DIN FUSION SPIGOTS | PVC-U, PP-H, PVDF |
| 2    | 1  | EPDM DIAPHRAGM                     | EPDM              |
|      |    | FPM DIAPHRAGM                      | FPM               |
|      |    | PTFE DIAPHRAGM WITH EPDM BACKING   | PTFE + EPDM       |
| 3    | 1  | BONNET                             | PPGF              |
| 4    | 1  | DIAPHRAGM COMPRESSOR               | PPGF              |
| 5    | 1  | DIAPHRAGM COMPRESSOR SCREW         | STEEL             |
| 6    | 1  | GUIDE RING                         | BRASS             |
| 7    | 1  | HANDLE KEY                         | PPGF              |
| 8    | 1  | TRANSPARENT CAP                    | PC                |
| 9    | 1  | VISUAL POSITION INDICATOR          | PP-H              |
| 10   | 1  | RED WHEEL (FOR EPDM DIAPHRAGM)     | PP-H              |
|      |    | GREEN WHEEL (FOR FPM DIAPHRAGM)    | PP-H              |
|      |    | BLUE WHEEL (FOR PTFE DIAPHRAGM)    | PP-H              |
| 11   | 1  | LOCKING CLIP                       | PPGF              |
| 12   | 1  | O'RING                             | EPDM              |
| 13   | 1  | FIXED WASHER                       | -                 |
| 14   | 1  | FLOATING WASHER                    | -                 |
| 15   | 1  | SPLIT IN                           | STEEL             |
| 16   | 4  | FIXING SCREW                       | SS 316            |
| 17   | 4  | FLAT WASHER                        | SS 316            |
| 18   | 4  | PROTECTING CAP                     | PE                |
| 19   | 2  | PVC SOLVENT FEMALE UNION SOCKET    | PVC-U             |
|      |    | PP-H FUSION FEMALE UNION SOCKET    | PP-H              |
|      |    | PP-H FUSION UNION SPIGOT           | PP-H              |
|      |    | PP-H THREADED UNION SOCKET         | PP-H              |
|      |    | PVDF FUSION FEMALE UNION SOCKET    | PVDF              |

As standard, PTFE Diaphragm Valves are supplied with EPDM O-rings. On request, they can be delivered in FPM.

## Flanged Version

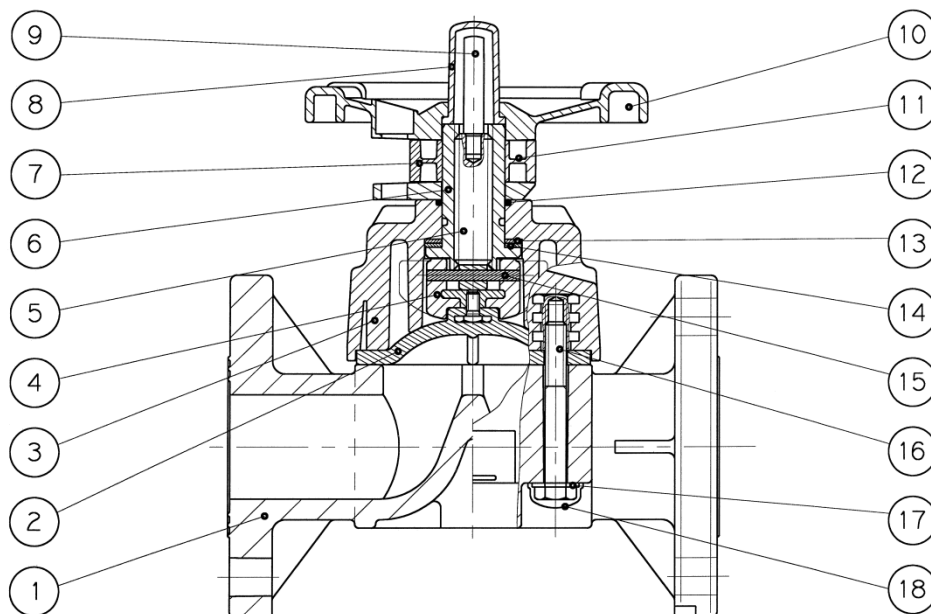
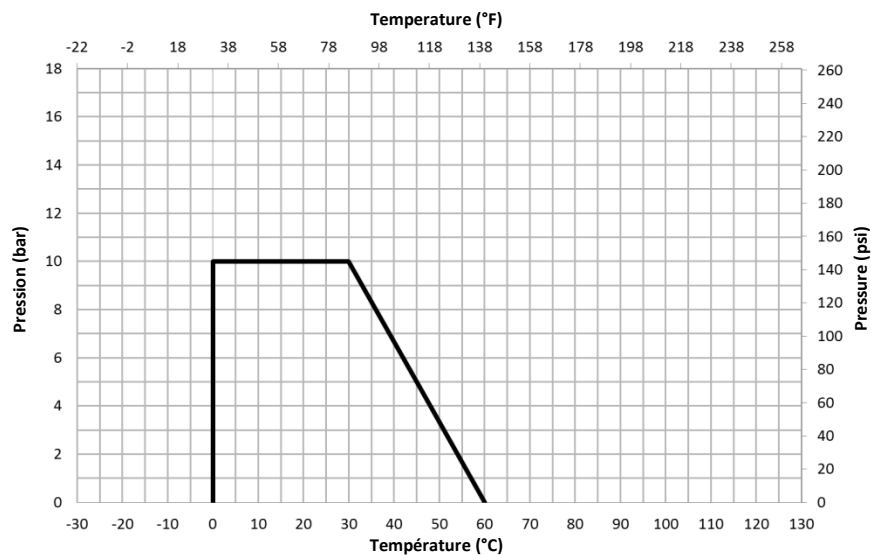


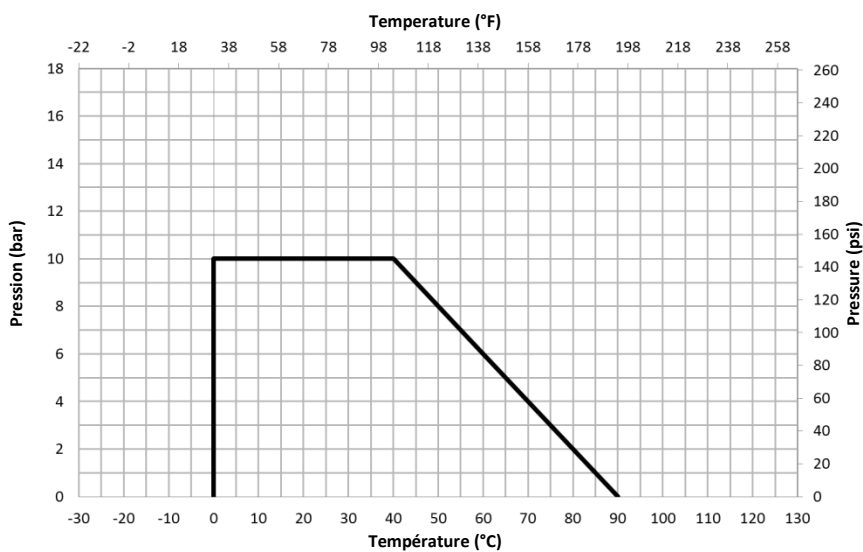
Diagram showing a DN50

| ITEM | No | DESCRIPTION                      | MATERIAL          |
|------|----|----------------------------------|-------------------|
| 1    | 1  | DIN FLANGED VALVE BODY           | PVC-U, PP-H, PVDF |
|      |    | ANSI FLANGED VALVE BODY          | PVC-U, PP-H, PVDF |
|      |    | BS FLANGED VALVE BODY            | PVC-U, PP-H, PVDF |
| 2    | 1  | EPDM DIAPHRAGM                   | EPDM              |
|      |    | FPM DIAPHRAGM                    | FPM               |
|      |    | PTFE DIAPHRAGM WITH EPDM BACKING | PTFE + EPDM       |
| 3    | 1  | BONNET                           | PPGF              |
| 4    | 1  | DIAPHRAGM COMPRESSOR             | PPGF              |
| 5    | 1  | DIAPHRAGM COMPRESSOR SCREW       | STEEL             |
| 6    | 1  | GUIDE RING                       | BRASS             |
| 7    | 1  | HANDLE KEY                       | PPGF              |
| 8    | 1  | TRANSPARENT CAP                  | PC                |
| 9    | 1  | VISUAL POSITION INDICATOR        | PP-H              |
| 10   | 1  | RED WHEEL (FOR EPDM DIAPHRAGM)   | PP-H              |
|      |    | GREEN WHEEL (FOR FPM DIAPHRAGM)  | PP-H              |
|      |    | BLUE WHEEL (FOR PTFE DIAPHRAGM)  | PP-H              |
| 11   | 1  | LOCKING CLIP                     | PPGF              |
| 12   | 1  | O'RING                           | EPDM              |
| 13   | 1  | FIXED WASHER                     | -                 |
| 14   | 1  | FLOATING WASHER                  | -                 |
| 15   | 1  | SPLIT IN                         | STEEL             |
| 16   | 4  | FIXING SCREW                     | SS 316            |
| 17   | 4  | FLAT WASHER                      | SS 316            |
| 18   | 4  | PROTECTING CAP                   | PE                |

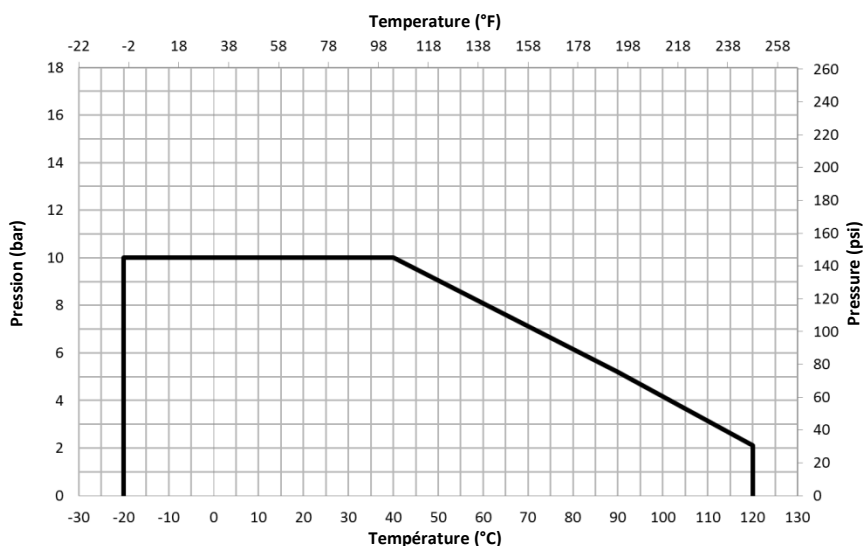
## PRESSURE / TEMPERATURE CURVES



PVC-U



PP-H



PVDF

## Pressure/Temperature Summary

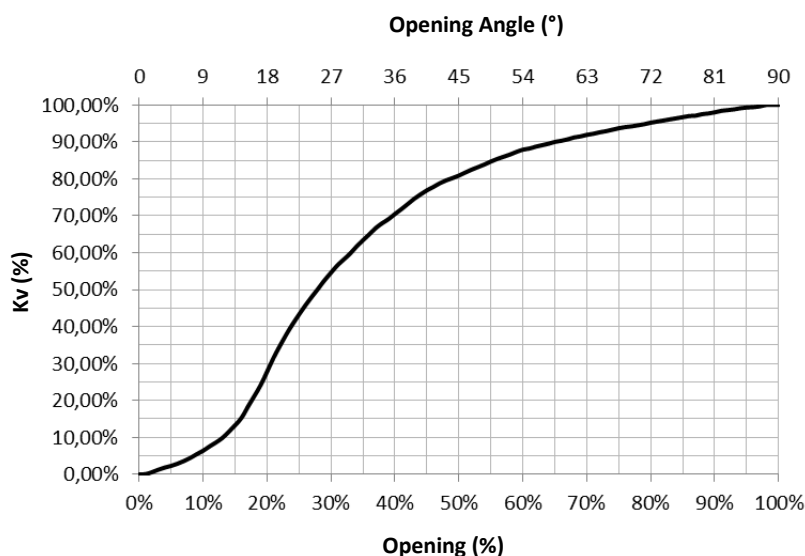
| Diaphragm         | Working Pressure | Working Temperature |               |                 |
|-------------------|------------------|---------------------|---------------|-----------------|
|                   |                  | PVC-U               | PP-H          | PVDF            |
| EPDM / FPM / PTFE | 10 bars at 20°C  | 0°C to + 60°C       | 0°C to + 90°C | -20°C to +120°C |
| FPM               | 10 bars at 20°C  | 0°C to + 60°C       | 0°C to + 90°C | -20°C to +120°C |
| PTFE              | 10 bars at 20°C  | 0°C to + 60°C       | 0°C to + 90°C | -20°C to +120°C |

FPM seals are not recommended for use < -5°C. Contact us for more information.

## PRESSURE LOSS

| DN | Kv (m <sup>3</sup> /h) |
|----|------------------------|
| 15 | 6,1                    |
| 20 | 9,4                    |
| 25 | 12,2                   |
| 32 | 24,3                   |
| 40 | 29,3                   |
| 50 | 45,8                   |

Kv in accordance with NF EN 1267



Our valves are guaranteed for an average fluid velocity in the pipeline of ≤ 2 m/s. Please contact us with the working conditions for any higher speed.

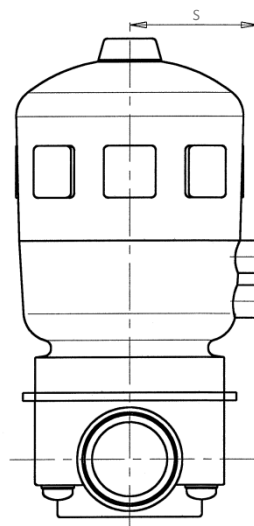
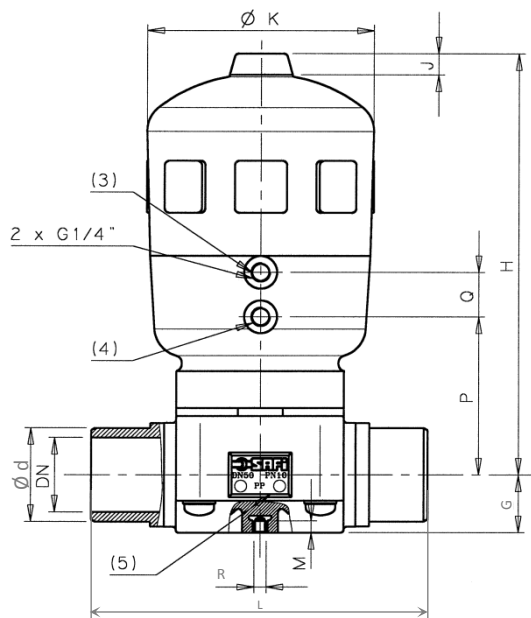
## CHEMICAL RESISTANCE

The chemical resistance of the valve is subject to the type of fluid, the temperature, the pressure, as well as the materials and seals of the valve.

Please contact us to have a personalized analysis of the resistance of one of our products to a given fluid

You can also consult, for information only, the table given in ISO 10358. However, this table cannot be considered as a recommendation by SAFI who could not be held liable for the use of this document.

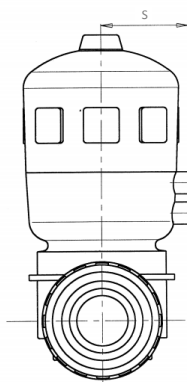
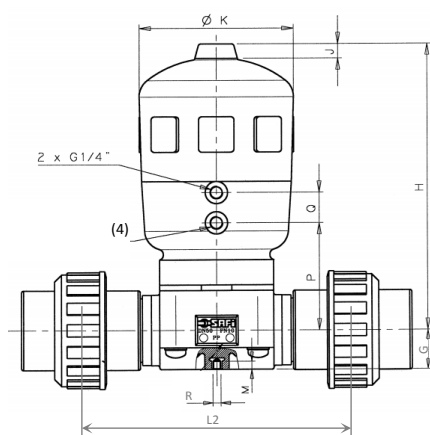
## OPTION: PNEUMATIC ACTUATION



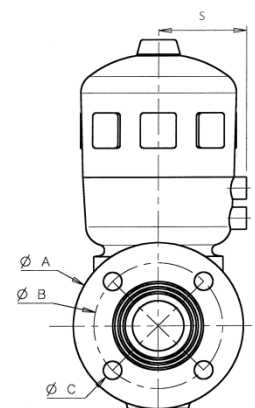
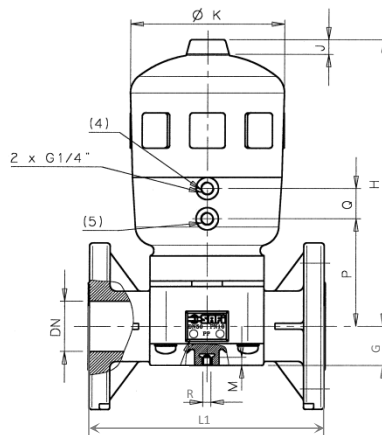
(3) Input supply for the closure of a normally open and double acting valve

(4) Input supply for the closure of a normally closed and double acting valve

Metric spigot version



Double union version + Socket



Flanged version

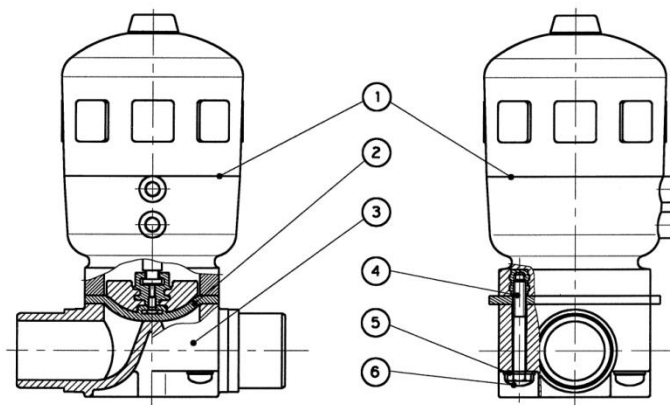
|    |            | ACTUATOR   |     |    |     |    |     |    |    |    |                |     |     |              |          |          |            |            |            |
|----|------------|------------|-----|----|-----|----|-----|----|----|----|----------------|-----|-----|--------------|----------|----------|------------|------------|------------|
|    |            | DIMENSIONS |     |    |     |    |     |    |    |    | WEIGHT (in kg) |     |     | PRODUCT CODE |          |          |            |            |            |
| DN | Type       | G          | H   | J  | ØK  | M  | P   | Q  | R  | S  | NC             | NO  | DA  | NC           | NO       | DA       | L          | L1         | L2         |
| 15 | NC, NO, DA | 21,5       | 174 | 11 | 101 | 10 | 64  | 24 | M6 | 60 | 1,5            | 0,9 | 0,9 | B08NF-02     | B08NO-02 | B08DE-02 | See page 2 | See page 4 | See page 3 |
| 20 | NC, NO, DA | 21,5       | 174 | 11 | 101 | 10 | 64  | 24 | M6 | 60 | 1,5            | 0,9 | 0,9 | B08NF-02     | B08NO-02 | B08DE-02 |            |            |            |
| 25 | NC, NO, DA | 21,5       | 174 | 11 | 101 | 10 | 64  | 24 | M6 | 60 | 1,5            | 0,9 | 0,9 | B08NF-02     | B08NO-02 | B08DE-02 |            |            |            |
| 32 | NC, NO, DA | 32         | 236 | 14 | 127 | 8  | 89  | 24 | M8 | 73 | 3              | 2   | 2   | B10NF-04     | B10NO-04 | B10DE-04 |            |            |            |
| 40 | NC, NO, DA | 32         | 236 | 14 | 127 | 8  | 89  | 24 | M8 | 73 | 3              | 2   | 2   | B10NF-04     | B10NO-04 | B10DE-04 |            |            |            |
| 50 | NC         | 39         | 283 | 14 | 153 | 8  | 105 | 30 | M8 | 86 | 3              | 2   | 2   | B12NF-05     | -        | -        |            |            |            |
| 50 | NO, DA     | 39         | 245 | 14 | 127 | 8  | 98  | 24 | M8 | 73 | 5,5            | 2,5 | 2,5 | -            | B10NO-05 | B10DE-05 |            |            |            |

NC = Normally Closed

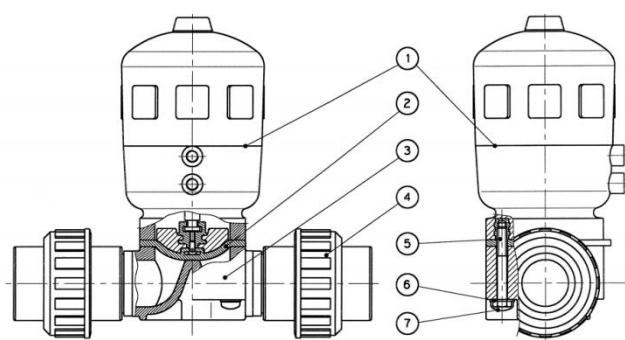
NO = Normally Open

DA = Double Acting

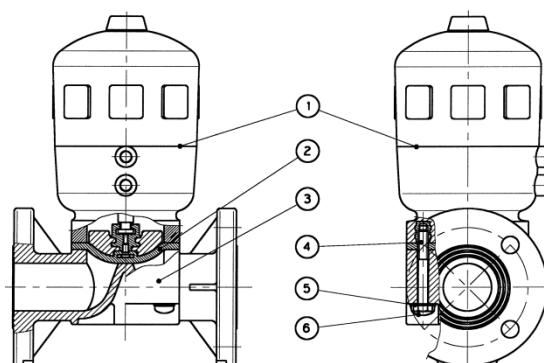
## Parts List – Actuated Version



Metric spigot version



Double union version + Socket

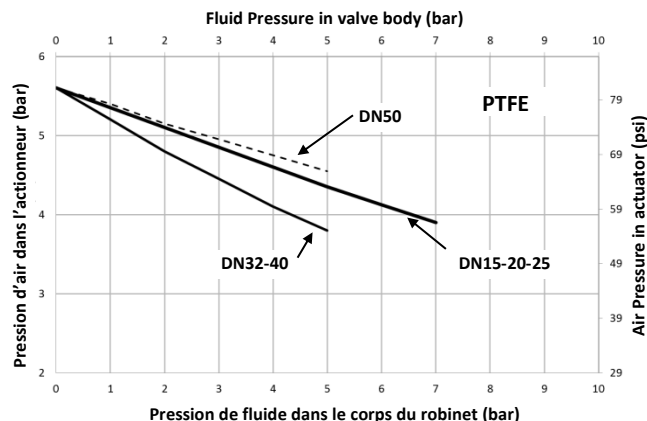
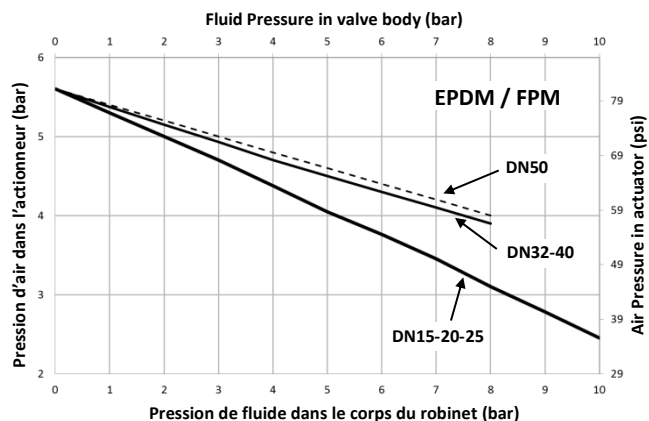


Flanged version

| ITEM | No | DESCRIPTION                             | MATERIAL             |
|------|----|-----------------------------------------|----------------------|
| 1    | 1  | Pneumatic Actuator NC (Normally Closed) | POLYAMIDE FIBREGLASS |
|      |    | Pneumatic Actuator NO (Normally Open)   | POLYAMIDE FIBREGLASS |
|      |    | Pneumatic Actuator DE (Double Acting)   | POLYAMIDE FIBREGLASS |
| 2    | 1  | Diaphragm                               | EPDM, FPM, PTFE      |
| 3    | 1  | Valve body                              | PVC-U, PP-H, PVDF    |
| 4    | 4  | Screw                                   | SS 316               |
| 5    | 4  | Flat washer                             | SS 316               |
| 6    | 4  | Protection cap                          | PE                   |
| 7    | 2  | Union end                               | PVC-U, PP-H, PVDF    |

### REQUIRED AIR PRESSURE FOR THE VALVE TO BE FULLY OPEN ACCORDING TO THE LINE PRESSURE

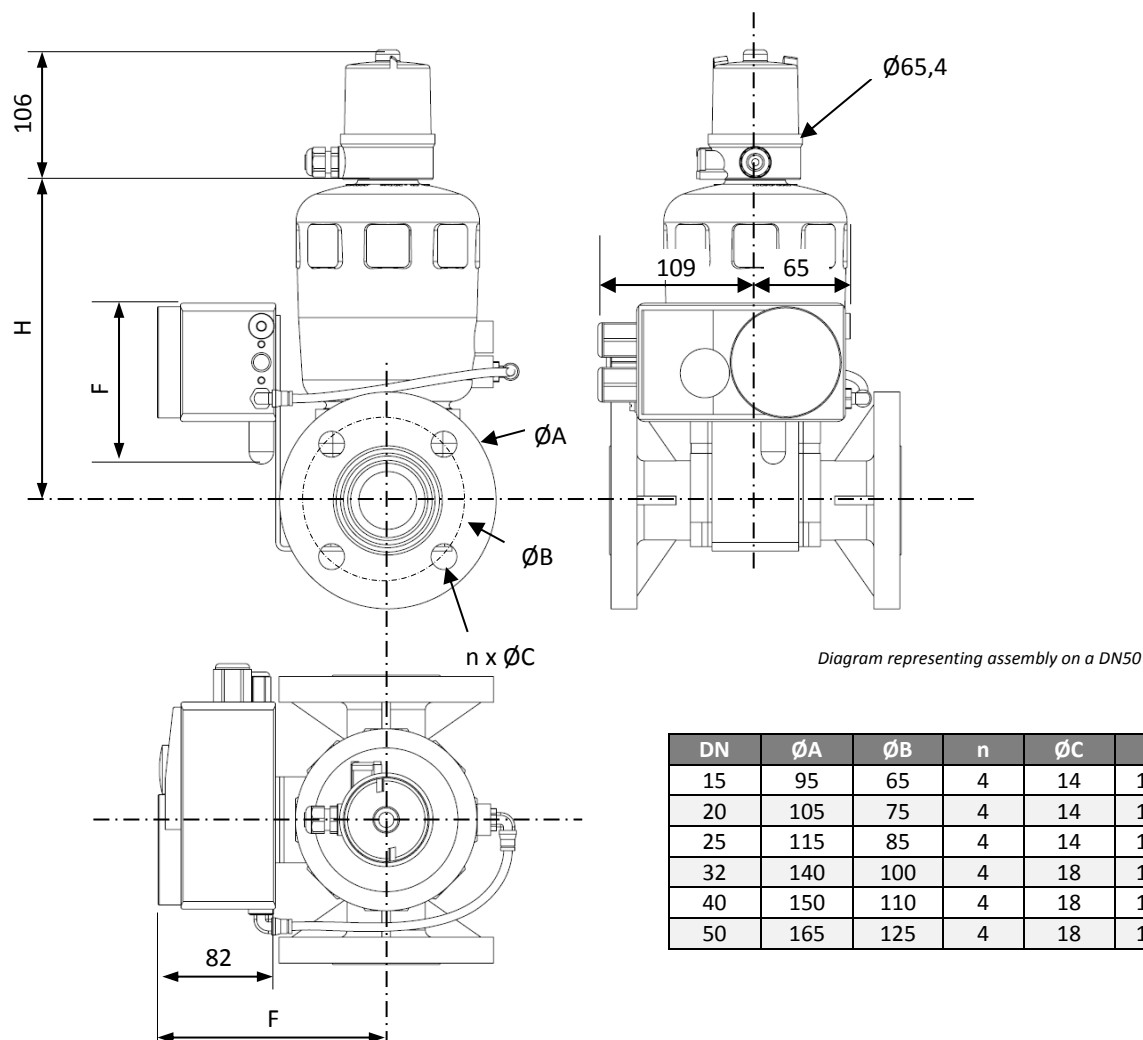
\*MAX ALLOWED OPERATING PRESSURE for the actuator = 7 bars



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## OPTION: LIMIT SWITCH BOX & POSITIONER



| DN | ØA  | ØB  | n | ØC | F   | H   |
|----|-----|-----|---|----|-----|-----|
| 15 | 95  | 65  | 4 | 14 | 150 | 163 |
| 20 | 105 | 75  | 4 | 14 | 150 | 163 |
| 25 | 115 | 85  | 4 | 14 | 150 | 163 |
| 32 | 140 | 100 | 4 | 18 | 160 | 222 |
| 40 | 150 | 110 | 4 | 18 | 160 | 222 |
| 50 | 165 | 125 | 4 | 18 | 172 | 269 |

### Limit switch box :

- Same switchbox with different switch types (mechanical or inductive).
- The PCB (Printed Circuit Board) is equipped with inductive limit switches with indicator light showing closed valve.
- The switchbox has M16 x 1.5 cable glands (cable Ø 5 to 7 mm).
- 2 sizes of switchbox are available.
- Protection : IP65
- Operating temperature: -10°C to +60°C.

### Positioner:

- Operating voltage : 24V DC +/-10%
- Input control signal (regulation of position or process): 4-20 mA; (0-20 mA by software).
- Weight: 2 kg approx. (4.4 lb).
- Protection : IP 65.
- Operating temperature: 0 à 60°C (32 to 140°F).

### Connections and others features:

#### Electric

- Voltage supply : 24 VDC +/-10%.
- Power consumption : < 10 W.
- Connection: Clamping ring 0, 14- 1,5 mm<sup>2</sup>, 1 grommet M12\*1,5 (cable Ø3 - 6,5mm).

#### Pneumatic

- Air type: Filtered compressed air, with or without oil.
- Air pressure: 3-6 bars depending on the valve type.
- Connection : Threaded G 1/4".

## OPTION: LOCKING SYSTEM

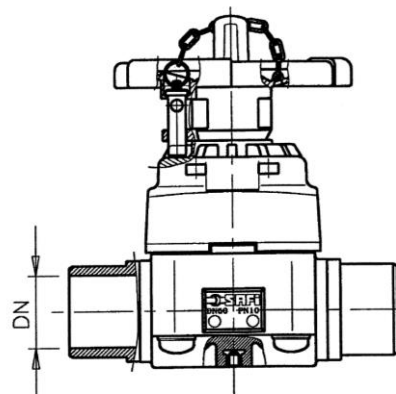
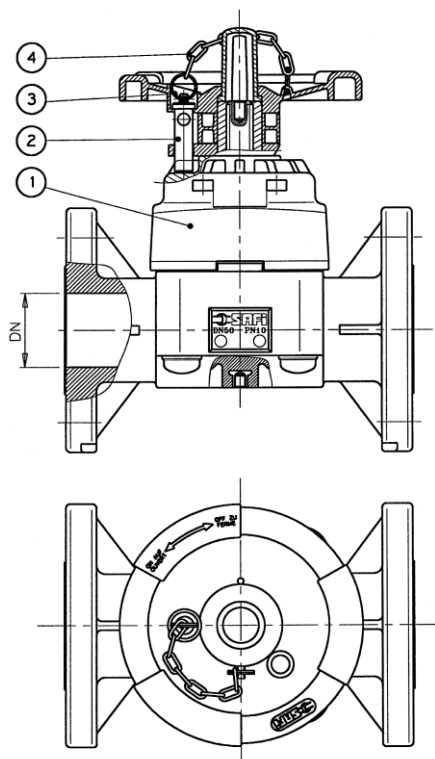


Diagram representing assembly on a DN50

| ITEM  | N° | DESCRIPTION                  | MATERIAL | PRODUCT CODE |      |      |      |           |      |
|-------|----|------------------------------|----------|--------------|------|------|------|-----------|------|
|       |    |                              |          | DN15         | DN20 | DN25 | DN32 | DN40      | DN50 |
| 1     | 1  | Diaphragm valve DN15 to DN50 | PVC-U    | 2300 Series  |      |      |      |           |      |
| 2     | 1  | Locking Stem*                | SS 304   | 2150-04A     |      |      |      | 2150-05A  |      |
| 3     | 2  | Clamp ring                   | SS 304   | 2006-08J     |      |      |      |           |      |
| 4     | 1  | Chain                        | PE       | 2006-09A     |      |      |      |           |      |
| 2+3+4 |    | Locking kit                  | -        | 2150-04AA    |      |      |      | 2150-05AA |      |

\*For a padlock wire with a diameter of 7mm

Locking system in SS 316: Contact us.

## OTHER AVAILABLE OPTIONS

- Extended handle
- Limit switch box with inductive or mechanical switches.
- Electrical feedback signal; only one position detected.
- External magnetic inductive position feedback.
- Stroke limit device to set position when open, exclusive for a normally closed valve.
- Stroke limit device upper and lower stroke limitation with manual over-ride for both open and closed position and visual position indicator.
- SS Namur base.
- Manual over-ride with visual position indicator, exclusive for a normally closed valve.

Contact us, for more information on the Available Options.

## DETERMINING A PRODUCT CODE

| TYPE                       | MATERIAL                                                  | SPECIFICATION                                                                                      |   | DN                                                                                                                   | Fitting<br>(Inlet)                                                                                                                                                                                                                                                                                                                      | Connection<br>(Outlet)                                                                                                                                                                                                                                                                                                                  | Diaphragm                                                                                 |
|----------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>2 = Diaphragm valve</b> | <b>10 = PP-H</b><br><b>20 = PVDF</b><br><b>30 = PVC-U</b> | <b>0 = Manual</b><br><b>7 = Pneumatic DA</b><br><b>8 = Pneumatic NO</b><br><b>9 = Pneumatic NC</b> | - | <b>00 = DN15</b><br><b>01 = DN20</b><br><b>02 = DN25</b><br><b>03 = DN32</b><br><b>04 = DN40</b><br><b>05 = DN50</b> | <b>B = PVC-U DIN Metric plain socket</b><br><b>C = Metric plain socket (same material as body)</b><br><br><b>F = Flanges with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)</b><br><b>G = Flanges with drilling in accordance with EN1759-1/ASME B16.5 Class 150 (ANSI)</b><br><b>Z = Metric spigot (same material as body)</b> | <b>B = PVC-U DIN Metric plain socket</b><br><b>C = Metric plain socket (same material as body)</b><br><br><b>F = Flanges with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)</b><br><b>G = Flanges with drilling in accordance with EN1759-1/ASME B16.5 Class 150 (ANSI)</b><br><b>Z = Metric spigot (same material as body)</b> | <b>E = EPDM</b><br><b>Z = FPM (SAFKM5)</b><br><b>P = PTFE DIAPHRAGM WITH EPDM BACKING</b> |

Example: 2300-05BBE

|                 |           |          |   |           |                                   |                                   |          |
|-----------------|-----------|----------|---|-----------|-----------------------------------|-----------------------------------|----------|
| <b>2</b>        | <b>30</b> | <b>0</b> | - | <b>05</b> | <b>B</b>                          | <b>B</b>                          | <b>E</b> |
| Diaphragm Valve | PVC-U     | Manual   | - | DN50      | Double union, PVC-U metric socket | Double union, PVC-U metric socket | EPDM     |

Example: Diaphragm Valve + LOCKING SYSTEM: 2300-05BBE + 2150-05AA

|                                                                                   |   |                              |
|-----------------------------------------------------------------------------------|---|------------------------------|
| <b>2300-05BBE</b>                                                                 | + | <b>2150-05AA</b>             |
| PVC-U Manual Diaphragm valve<br>DN50<br>Double union, PVC-U metric socket<br>EPDM | + | LOCKING SYSTEM<br>for a DN50 |

Example: Diaphragm valve + PNEUMATIC ACTUATOR, SINGLE ACTING, NORMALLY CLOSED: 2309-05BBE

|                 |           |              |   |           |                                   |                                   |          |
|-----------------|-----------|--------------|---|-----------|-----------------------------------|-----------------------------------|----------|
| <b>2</b>        | <b>30</b> | <b>9</b>     | - | <b>05</b> | <b>B</b>                          | <b>B</b>                          | <b>E</b> |
| Diaphragm Valve | PVC-U     | Pneumatic NC | - | DN50      | Double union, PVC-U metric socket | Double union, PVC-U metric socket | EPDM     |