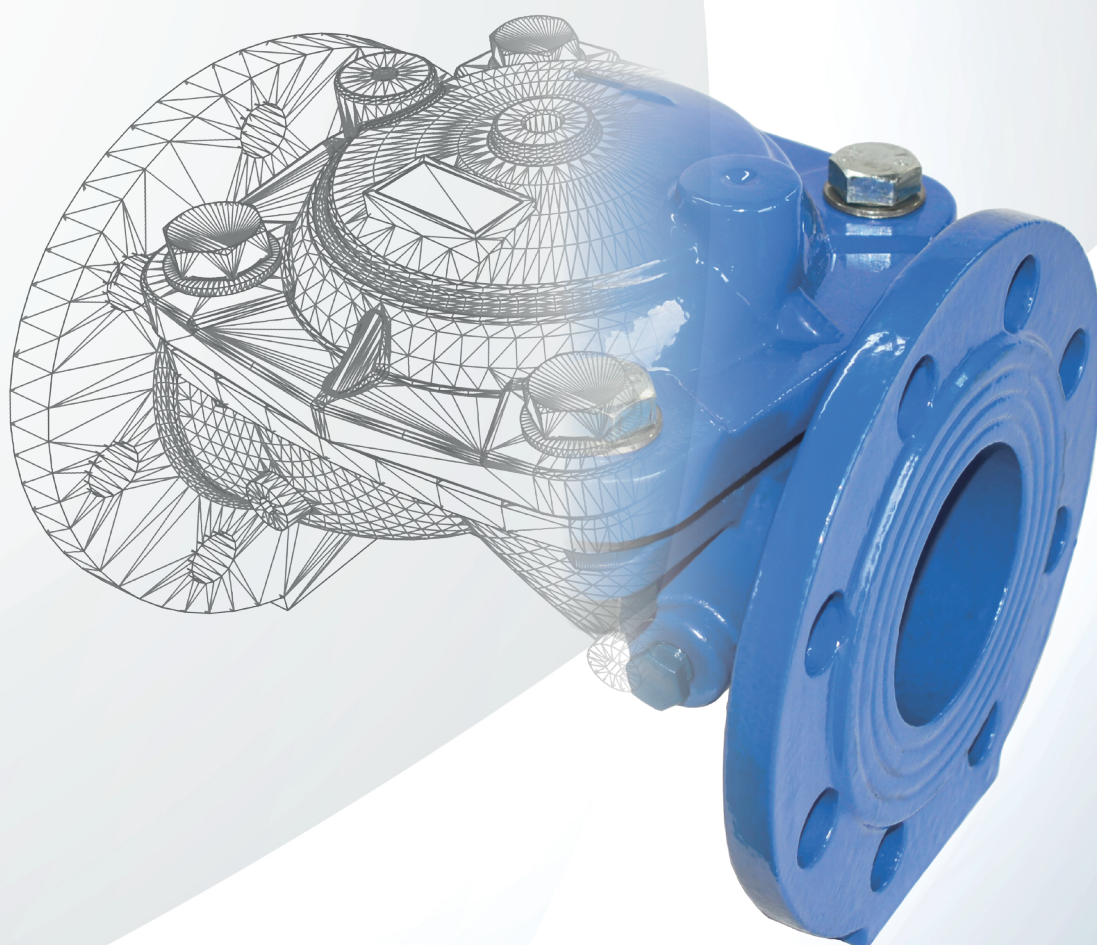




HR VALVES



# CATÁLOGO GENERAL

VÁLVULAS, CONTADORES, VENTOSAS Y ACCESORIOS



## Hidráulica Romyspan S.L.

Es una empresa con más de 17 años de experiencia en el sector, especializada en control hidráulico y medición del agua.

Romyspan dispone de banco de pruebas donde se realiza el control, en la cadena de producción, asegurando la calidad en todos sus productos.

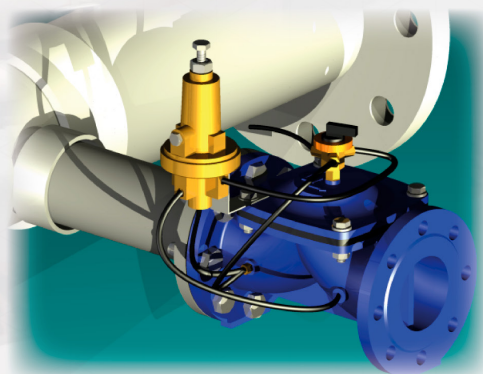
Dispone de un equipo técnico encargado del diseño de productos, control de calidad y diseño de montajes hidráulicos. Ofreciendo al cliente una experiencia y un servicio acorde a sus necesidades específicas.

Soluciones íntegras para el control hidráulico.

**El agua es un bien muy preciado que debemos atesorar.** Por ello, Romyspan ofrece las herramientas para que usted pueda optimizar su instalación y tenga un control íntegro del agua.

Descubra lo que Hidráulica Romyspan tiene para ofrecerle:

VÁLVULAS  
VENTOSAS  
CONTADORES  
ACCESORIOS  
MONTAJES



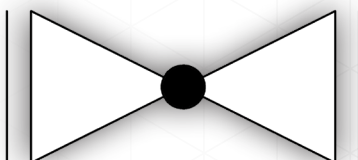
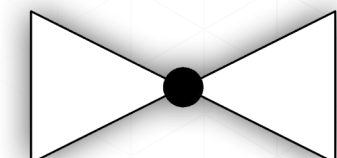
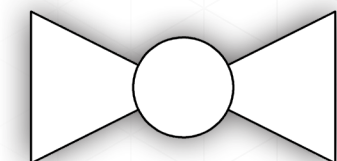


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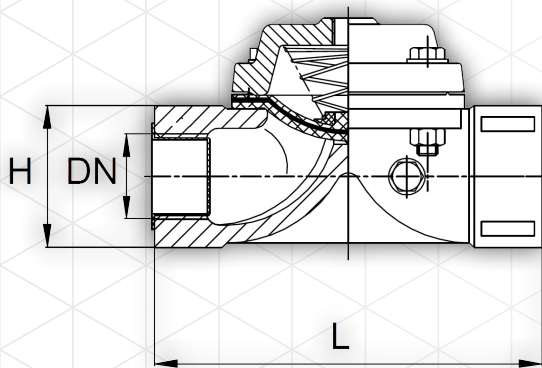
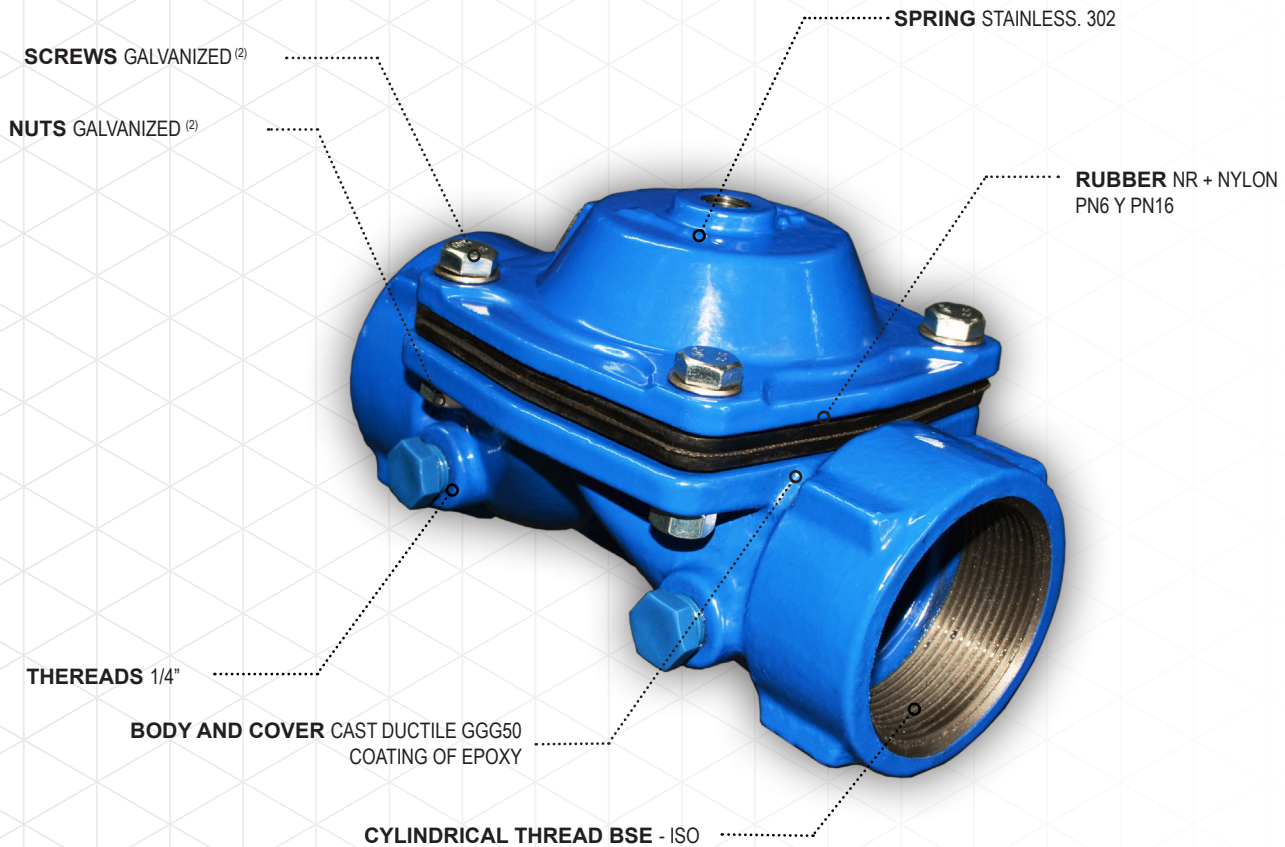




### SAUNDERS THREAD TYPE VALVE

Hydraulic valve with rubber and spring

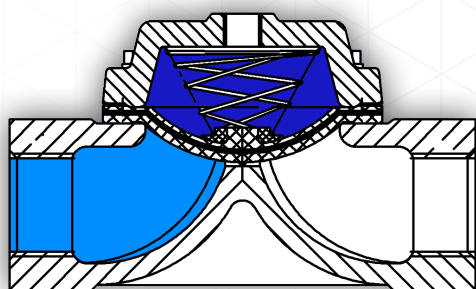
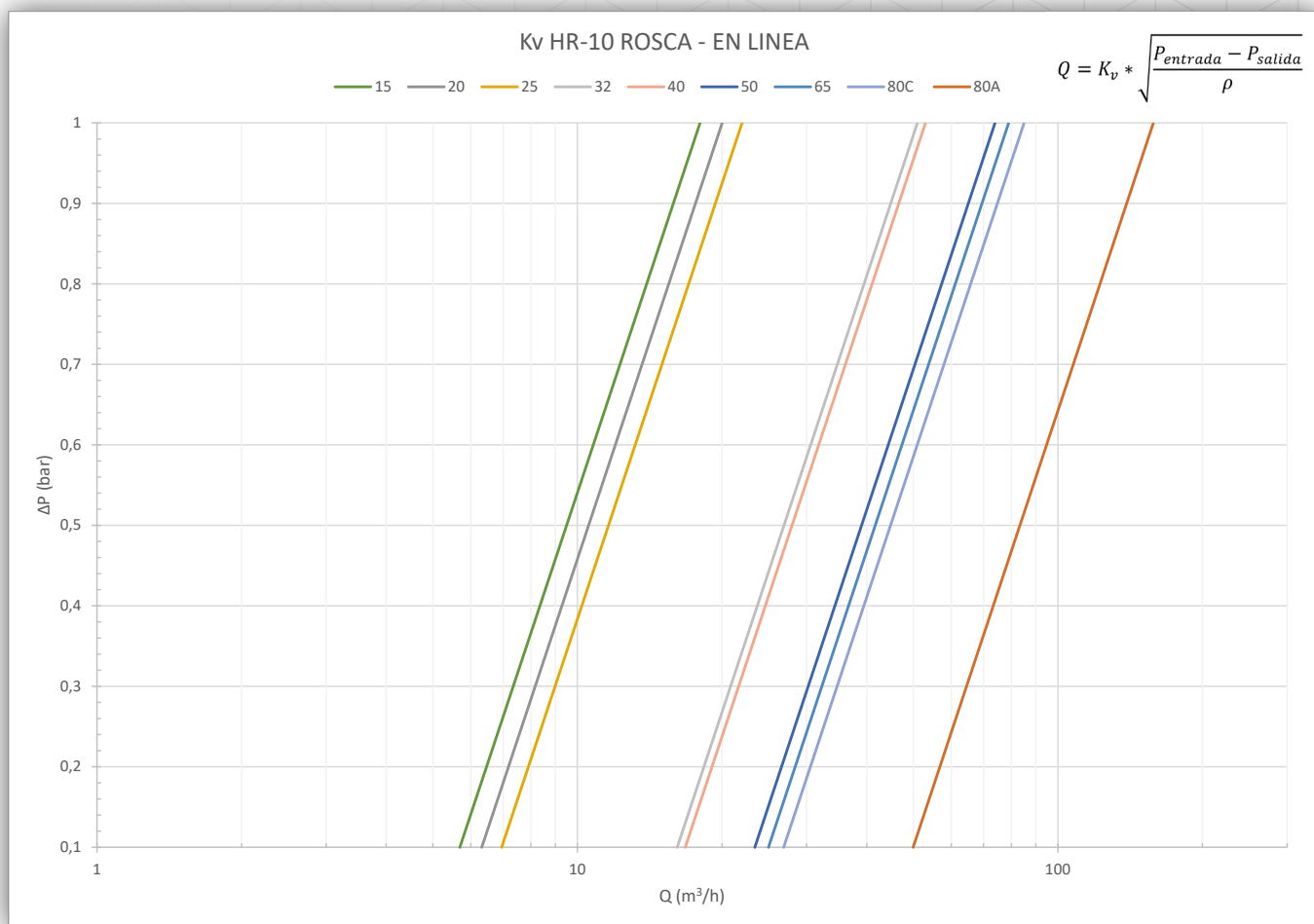
- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and very low corrosion due to epoxy coating.



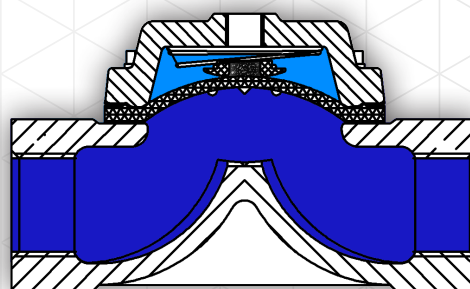
- (1) Thread option NPT  
(2) Stainless option A2-70  
(3) Cast ductile option GGG50

| DN  |            | L   | H   | Weight |
|-----|------------|-----|-----|--------|
| mm  | Inch       | mm  | mm  | Kg     |
| 15  | 1/2"       | 120 | 45  | 0.8    |
| 20  | 3/4"       | 120 | 45  | 1.05   |
| 25  | 1"         | 120 | 45  | 1.05   |
| 32  | 1 1/4"     | 170 | 65  | 2.3    |
| 40  | 1 1/2"     | 170 | 65  | 2.3    |
| 50  | 2"         | 186 | 75  | 3.1    |
| 65  | 2 1/2"     | 205 | 90  | 4      |
| 80C | 3" (3-2-3) | 210 | 113 | 5.3    |
| 80A | 3" (3-3-3) | 240 | 105 | 7.2    |





WHIT PRESSURE IN THE  
CHAMBER, THE VALVE  
CLOSES

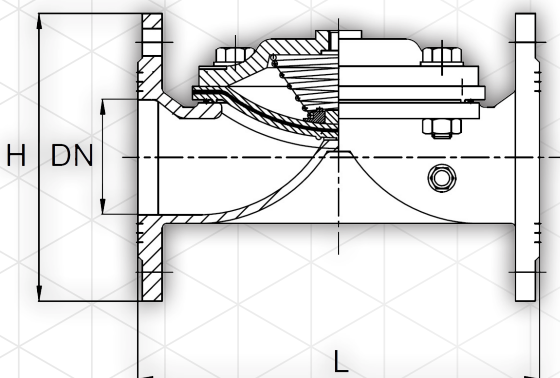
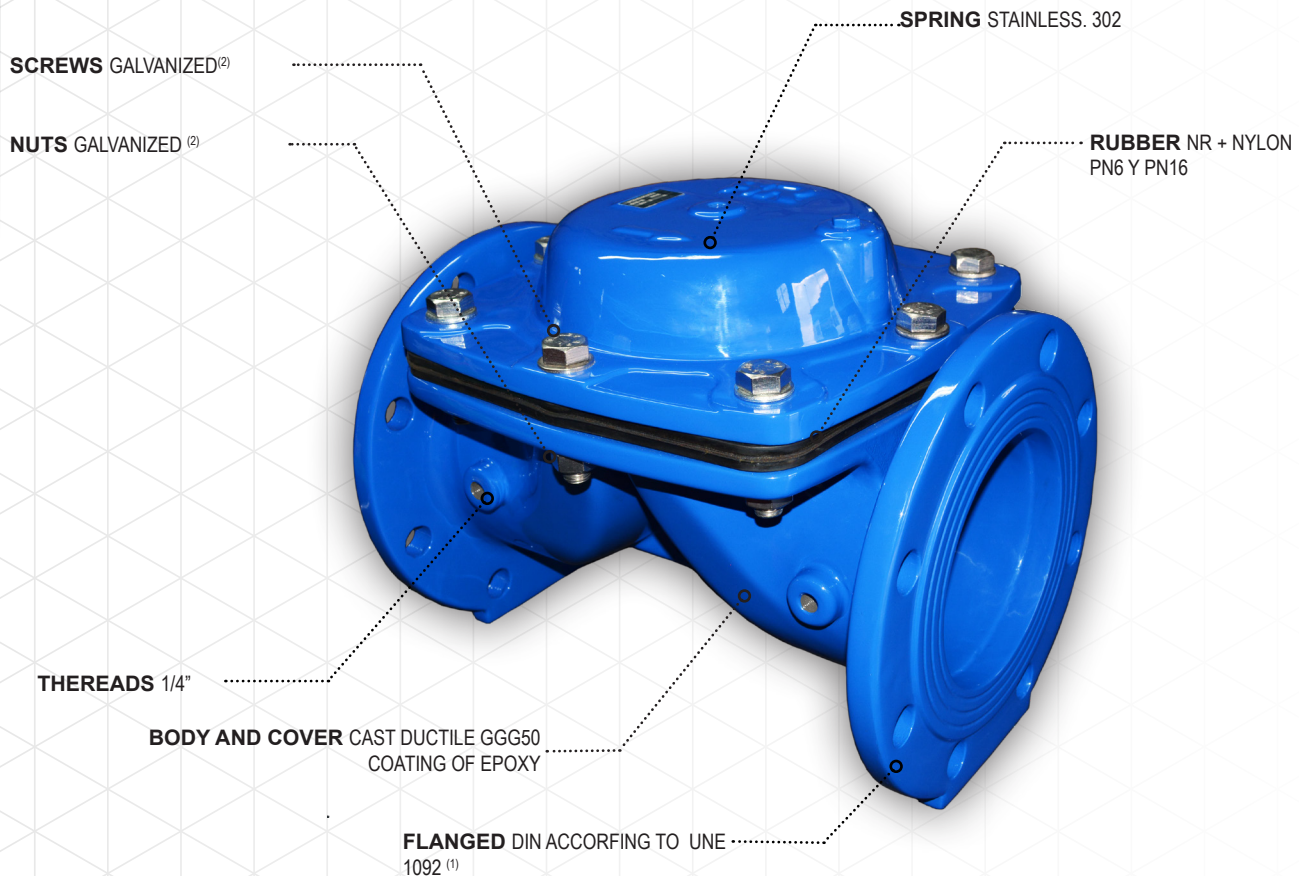


NO PRESSURE IN THE  
CHAMBER, THE VALVE OPENS.

### SAUNDERS FLANGED TYPE VALVE

Hydraulic valve with rubber and spring

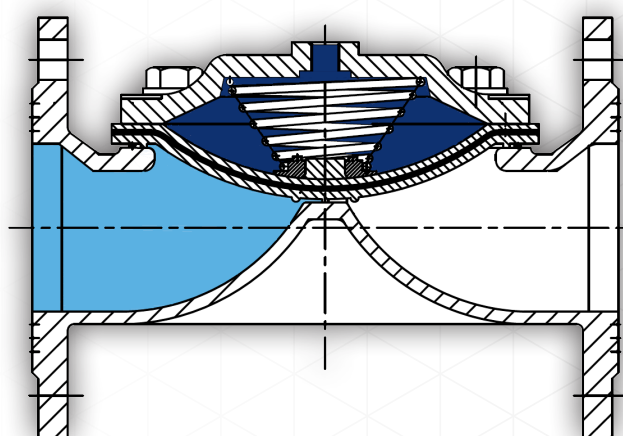
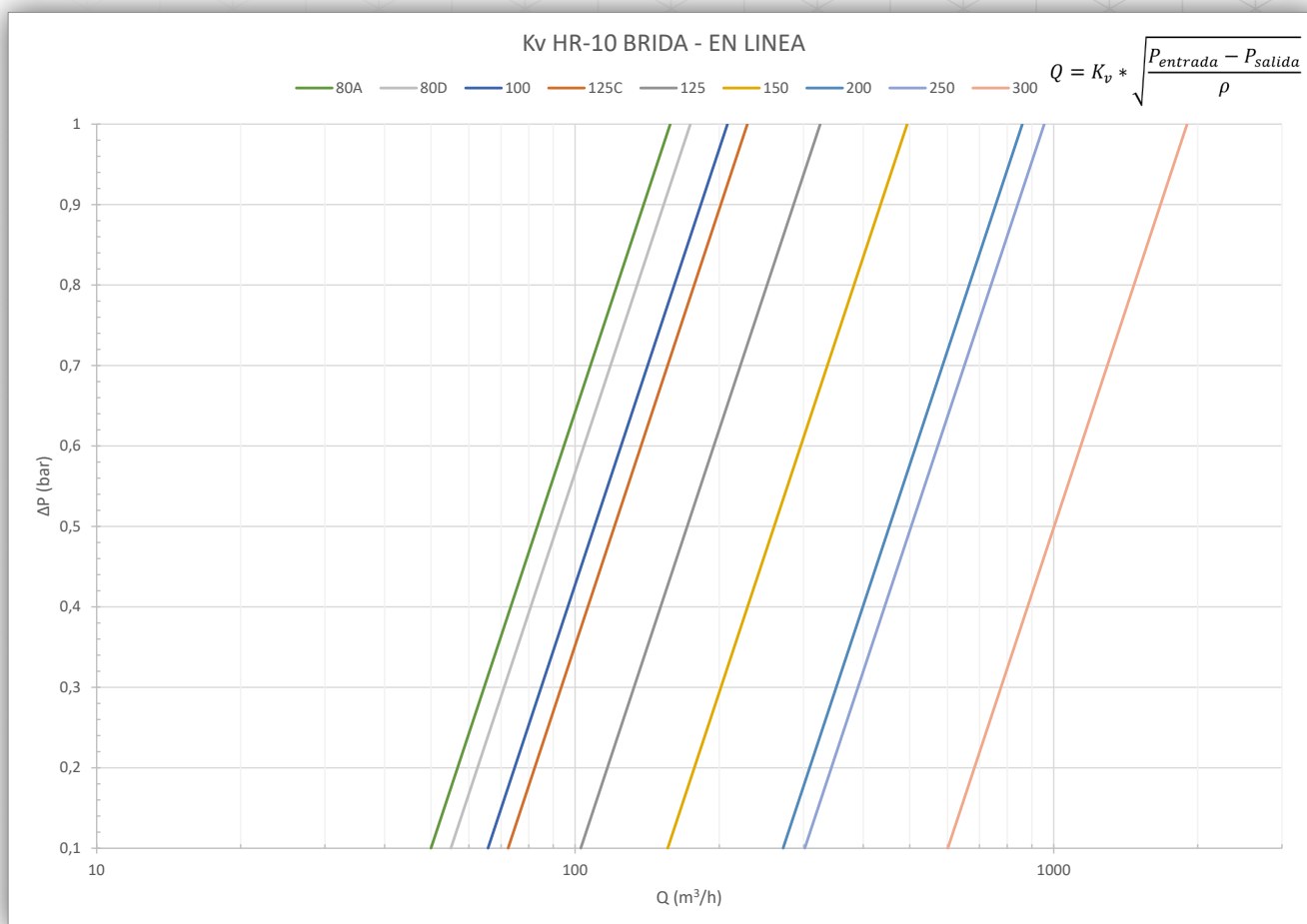
- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and very low corrosion due to epoxy coating.



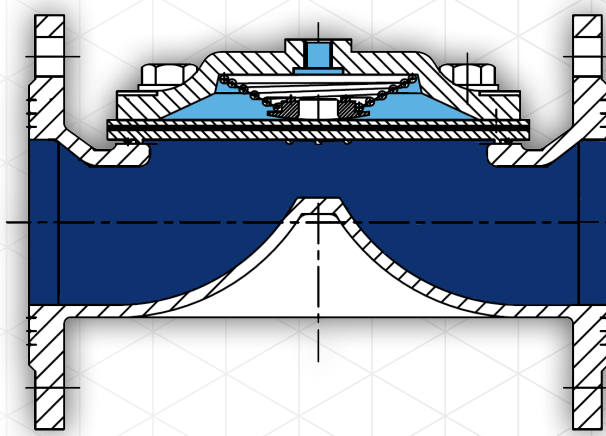
- (1) Flange option ANSI  
 (2) Stainless option A2-70  
 (3) Tap thread 3/8" in size DN300

| DN   |            | L   | H   | Holes                | Weight |
|------|------------|-----|-----|----------------------|--------|
| mm   | Inch       | mm  | mm  | (Flanged)            | Kg     |
| 80A  | 3"         | 250 | 203 | 8 (PN16)             | 11.2   |
| 80D  | 3" (3-4-3) | 280 | 203 | 8 (PN16)             | 13.8   |
| 100  | 4"         | 305 | 223 | 8 (PN16)             | 15.5   |
| 125C | 5" (5-4-5) | 330 | 250 | 8 (PN16)             | 21     |
| 125  | 5"         | 330 | 250 | 8 (PN16)             | 25     |
| 150  | 6"         | 390 | 282 | 8 (PN16)             | 41     |
| 200  | 8"         | 475 | 343 | 8 (PN10) / 12 (PN16) | 68     |
| 250  | 10"        | 505 | 405 | 12 (PN10 / PN16)     | 88     |
| 300  | 12"        | 584 | 460 | 12 (PN10 / PN16)     | 120    |





WHIT PRESSURE IN THE  
CHAMBER, THE VALVE  
CLOSES

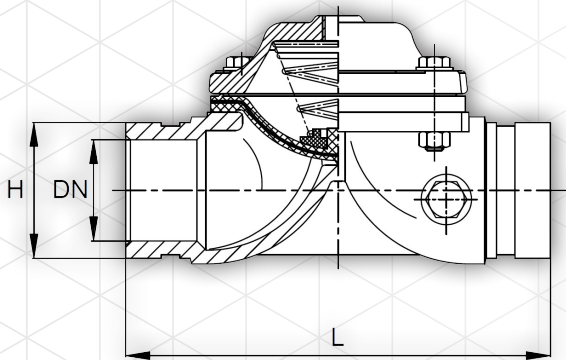
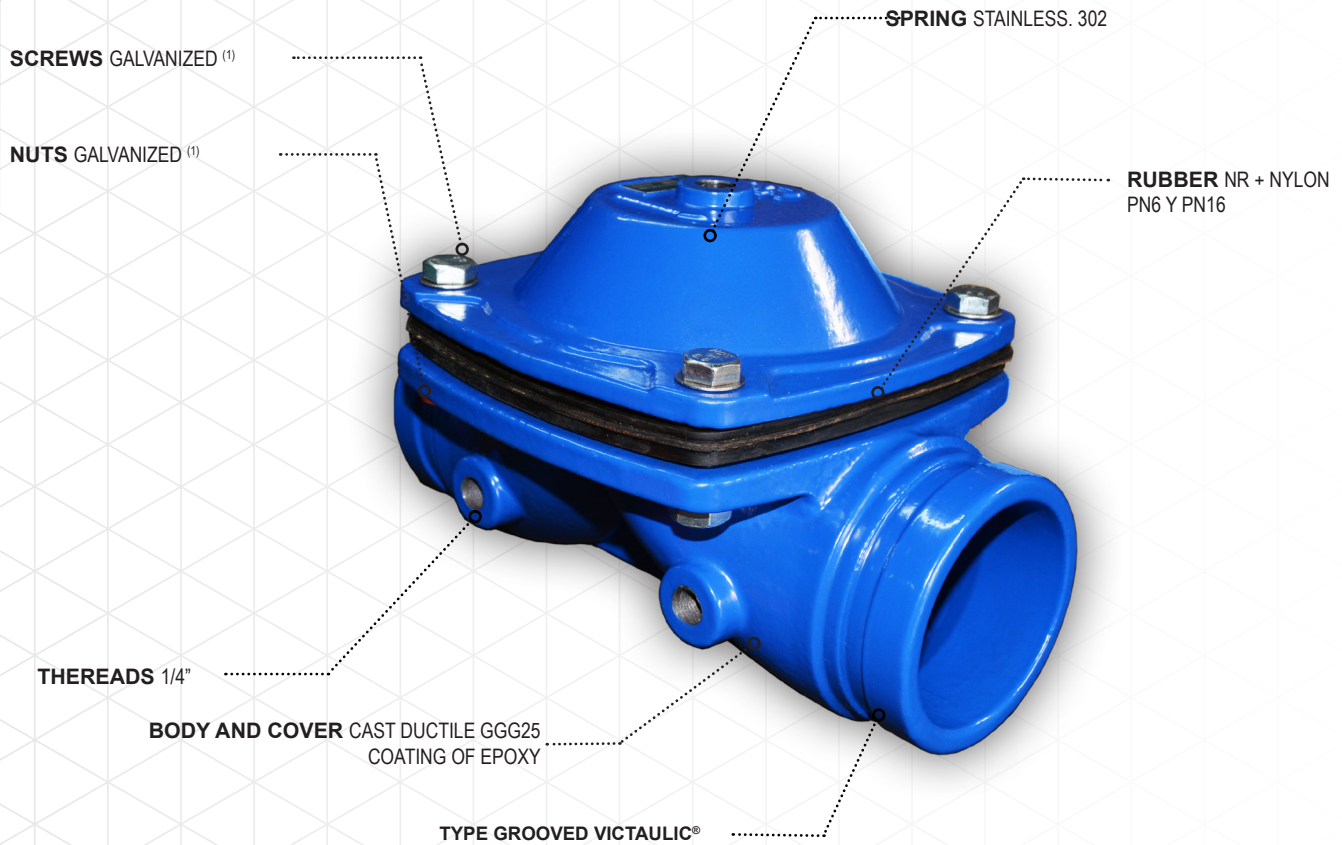


NO PRESSURE IN THE  
CHAMBER, THE VALVE OPENS

### SAUNDERS GROOVED TYPE VALVE

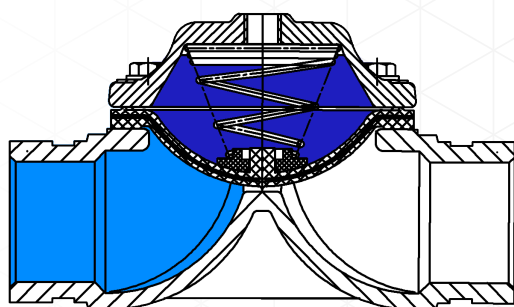
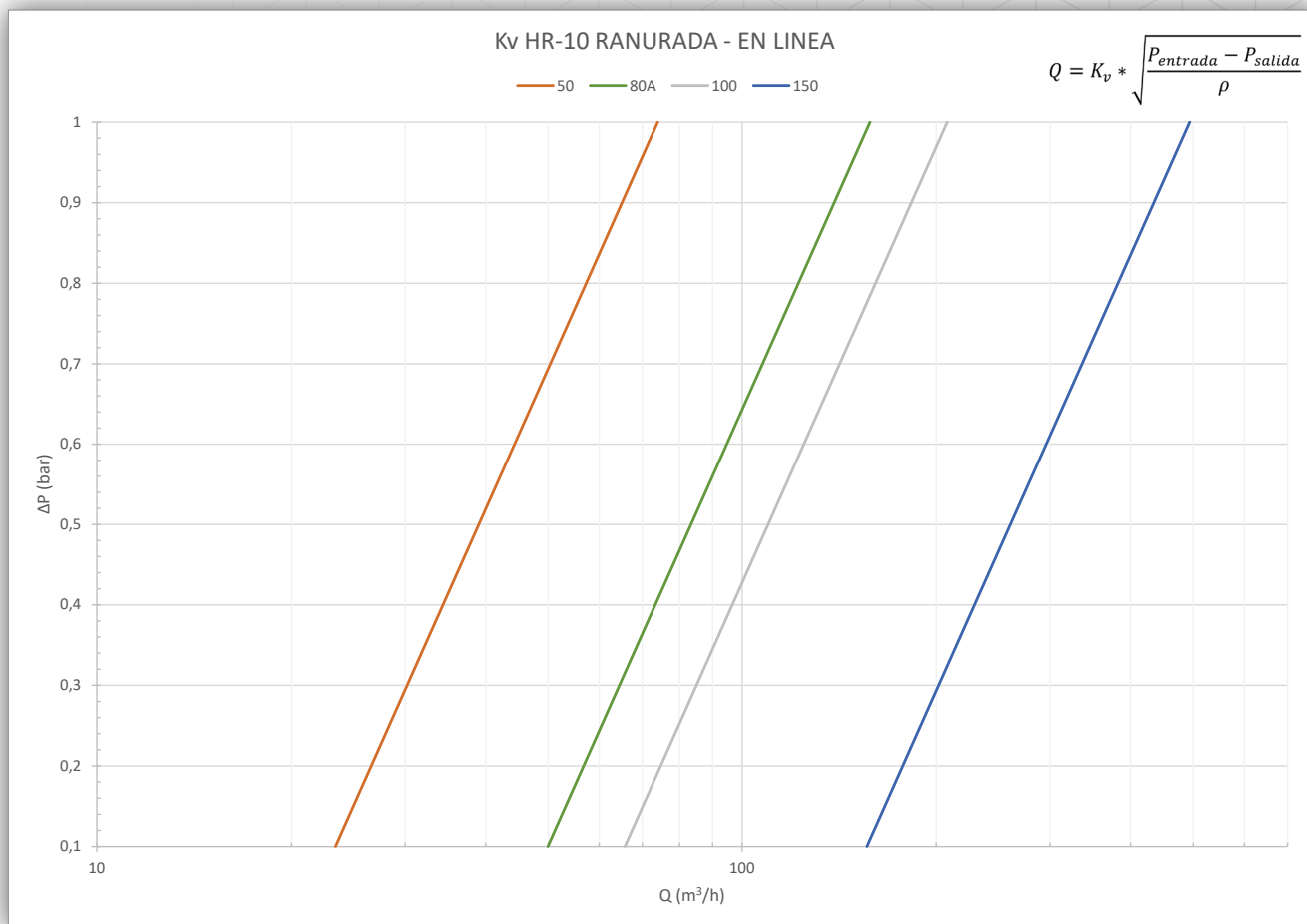
Hydraulic valve with rubber and spring.

- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and very low corrosion due to epoxy coating.

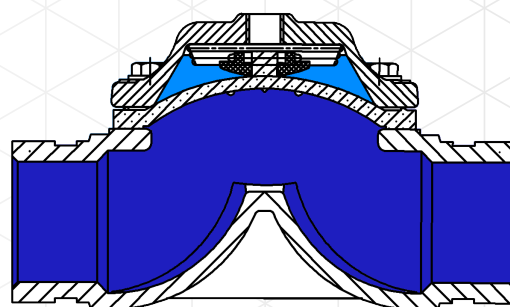


| DN  |      | L   | H     | Materiel | Weight |
|-----|------|-----|-------|----------|--------|
| mm  | Inch | mm  | mm    | -        | Kg     |
| 50  | 2"   | 185 | 60.3  | GG25     | 2.73   |
| 80A | 3"   | 254 | 88.9  | GGG50    | 7.2    |
| 100 | 4"   | 290 | 114.3 | GGG50    | 11     |
| 150 | 6"   | 390 | 165.1 | GGG50    | 30     |

(1) Stainless option A2-70



WHIT PRESSURE IN THE  
CHAMBER, THE VALVE  
CLOSES



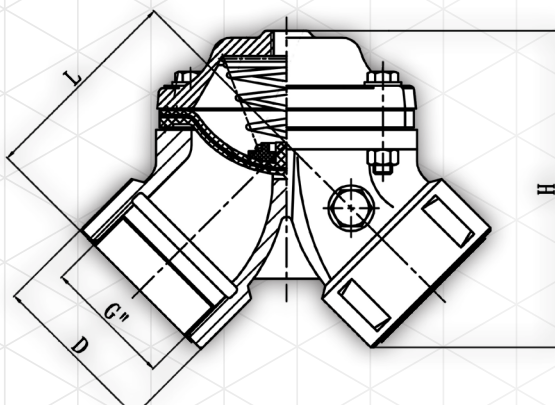
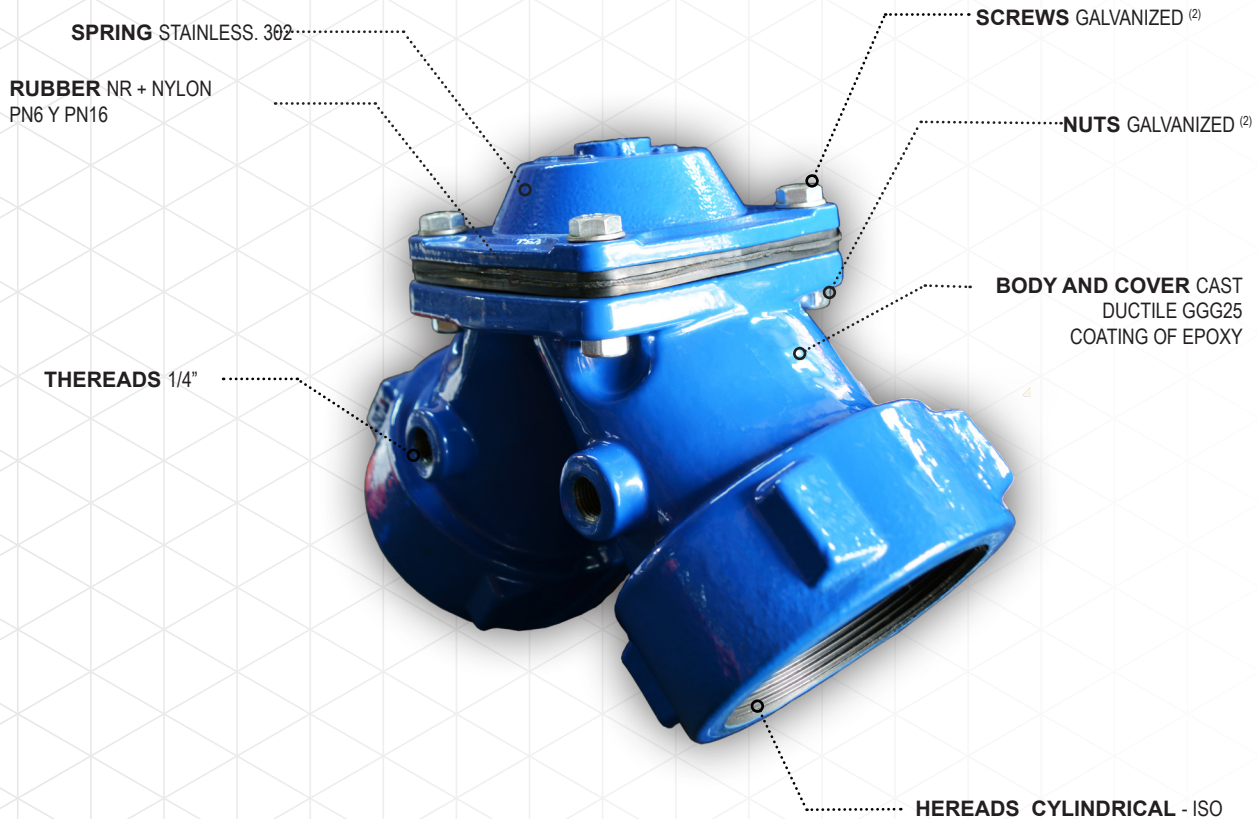
NO PRESSURE IN THE  
CHAMBER, THE VALVE OPENS



### SAUNDERS THREAD TYPE VALVE 90°

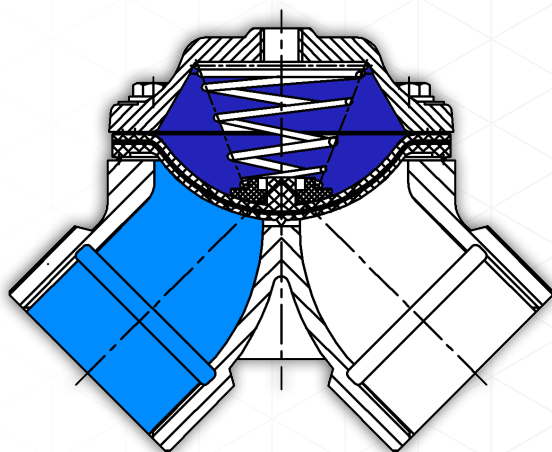
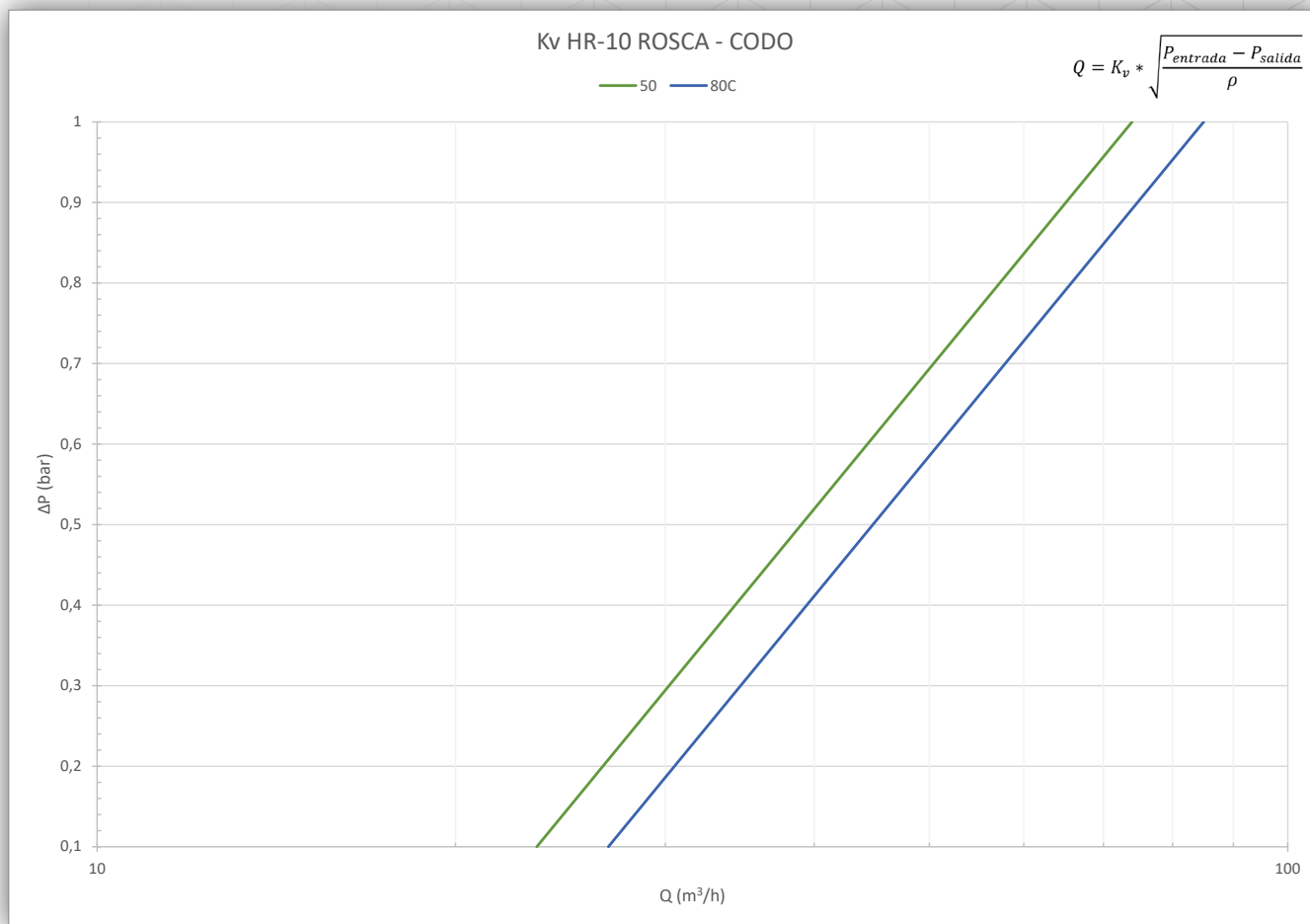
Hydraulic valve with rubber and spring.

- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and very low corrosion due to epoxy coating.

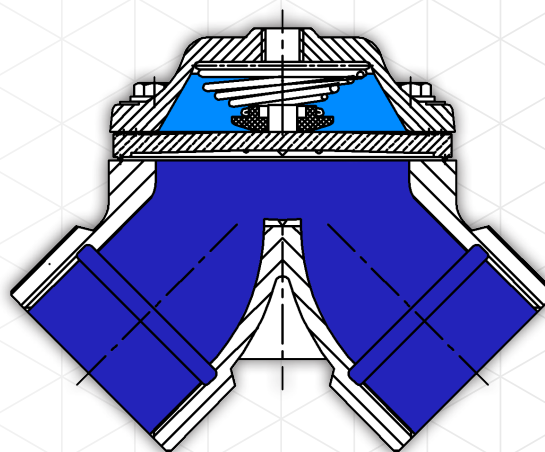


(1) Thread option NPT  
(2) Stainless option A2-70

| DN (G ") |            | L   | H   | D   | Weight |
|----------|------------|-----|-----|-----|--------|
| mm       | Inch       | mm  | mm  | mm  | Kg     |
| 50       | 2"         | 90  | 139 | 74  | 4      |
| 80C      | 3" (3-2-3) | 128 | 182 | 110 | 6      |



WHIT PRESSURE IN THE CHAMBER, THE VALVE CLOSES

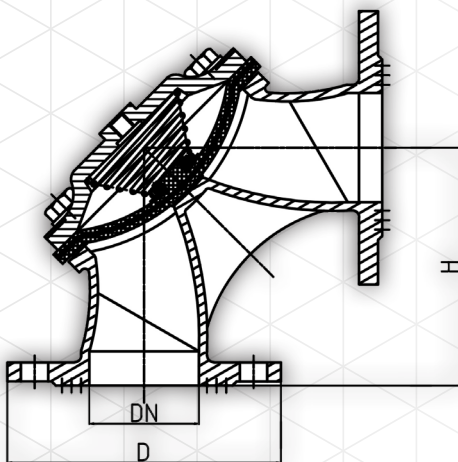
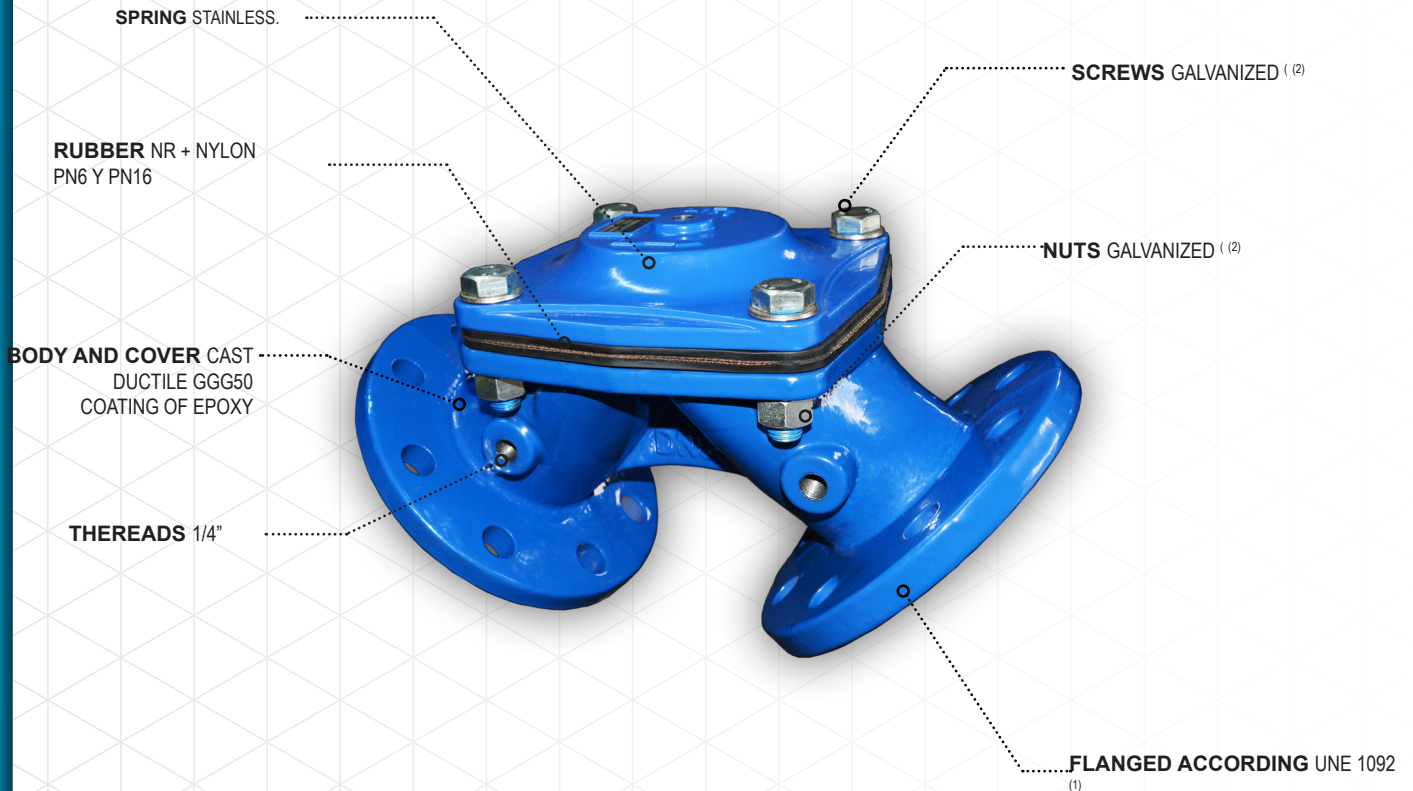


NO PRESSURE IN THE CHAMBER, THE VALVE OPENS.

### SAUNDERS FLANGED TYPE VALVE 90°

Hydraulic valve with rubber and spring.

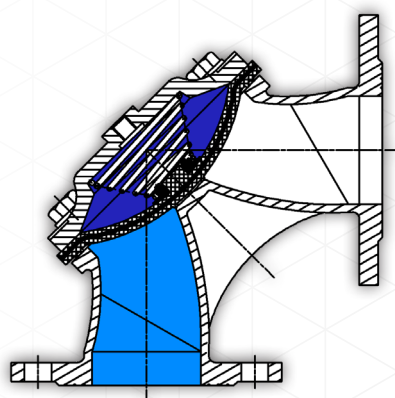
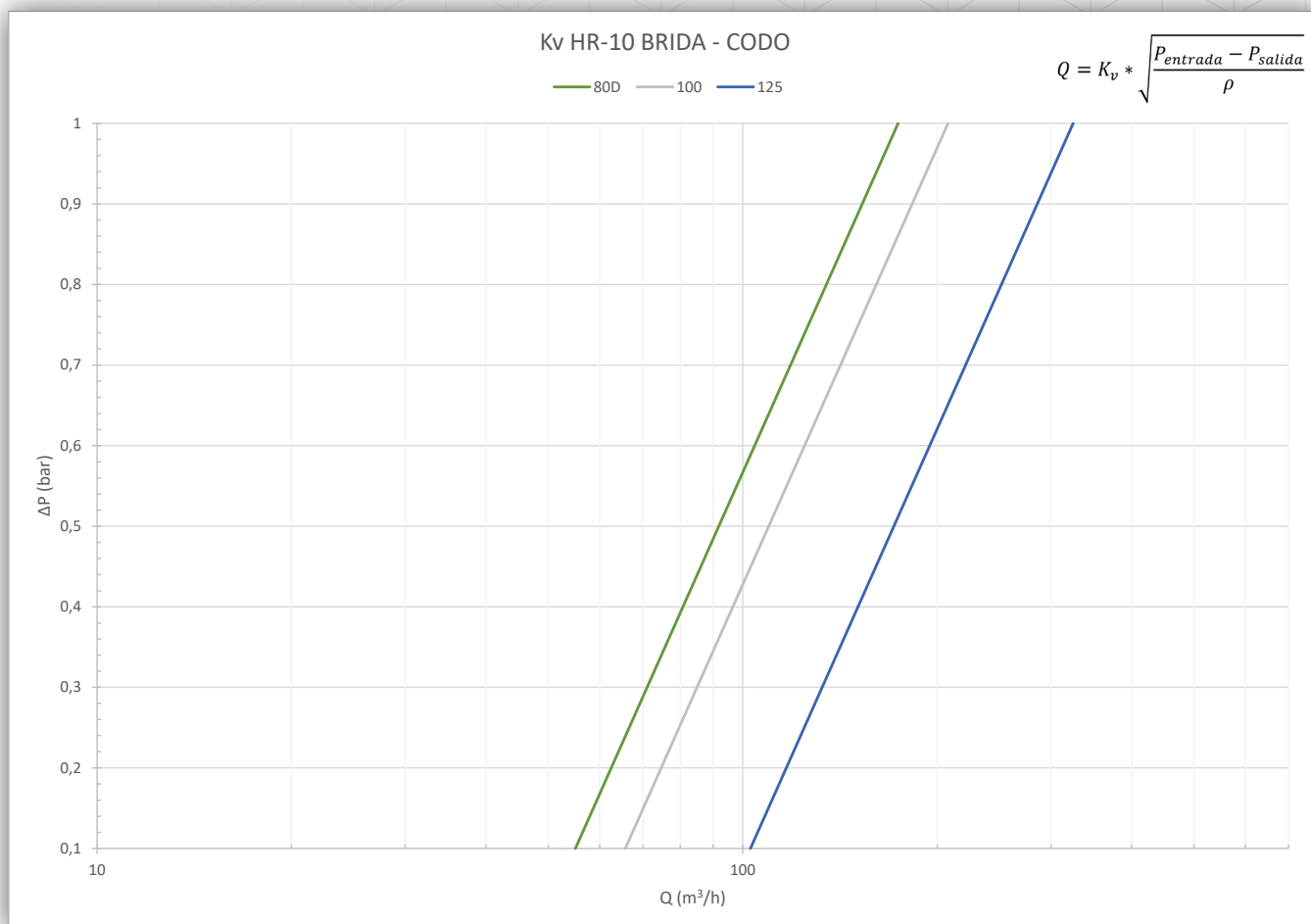
- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and very low corrosion due to epoxy coating.



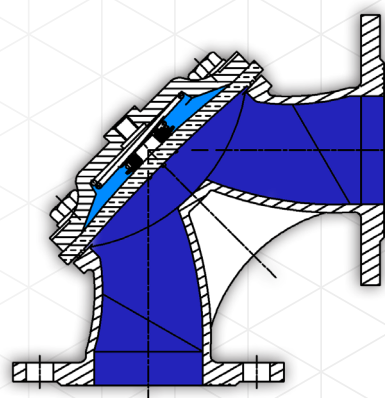
| DN  |            | H   | D   | Holes     | Wheight |
|-----|------------|-----|-----|-----------|---------|
| mm  | Inch       | mm  | mm  | (Flanged) | Kg      |
| 80D | 3" (3-4-3) | 174 | 203 | 8 (PN16)  | 15.3    |
| 100 | 4"         | 185 | 223 | 8 (PN16)  | 17.8    |
| 125 | 5"         | 160 | 250 | 8 (PN16)  | 23      |

(1) Flanged option ANSI  
(2) Stainless option A2-70





WHIT PRESSURE IN THE CHAMBER, THE VALVE CLOSES

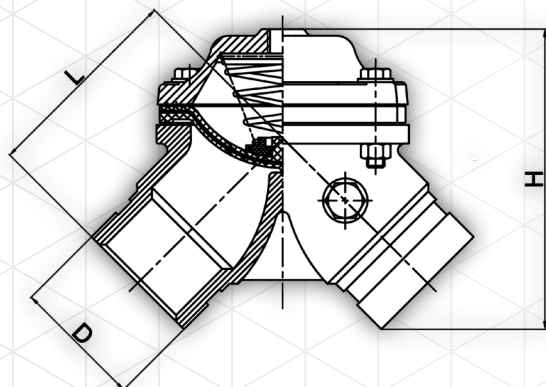
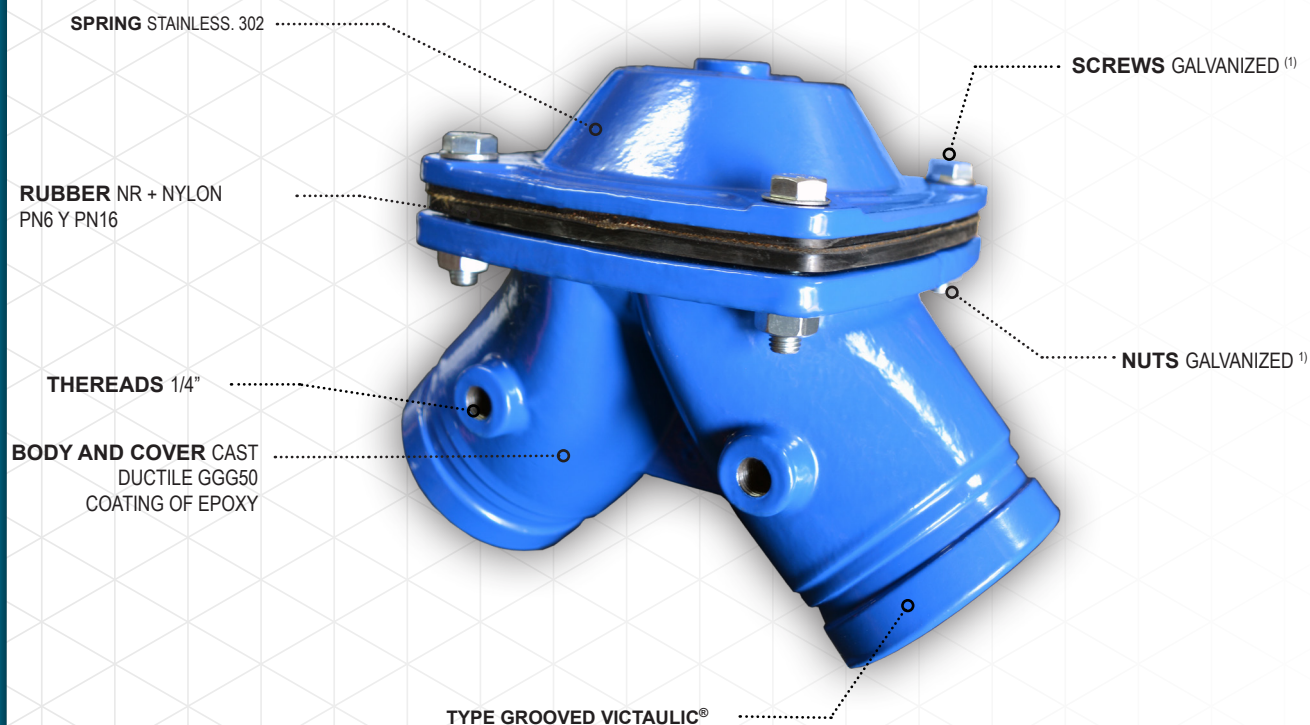


NO PRESSURE IN THE CHAMBER, THE VALVE OPENS.

### SAUNDERS GROOVED TYPE VALVE 90°

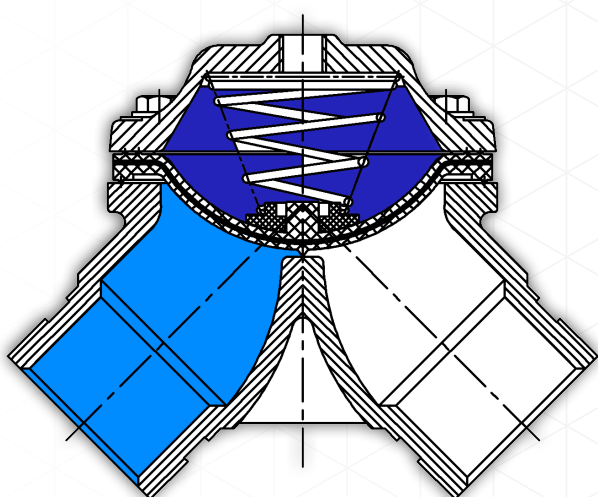
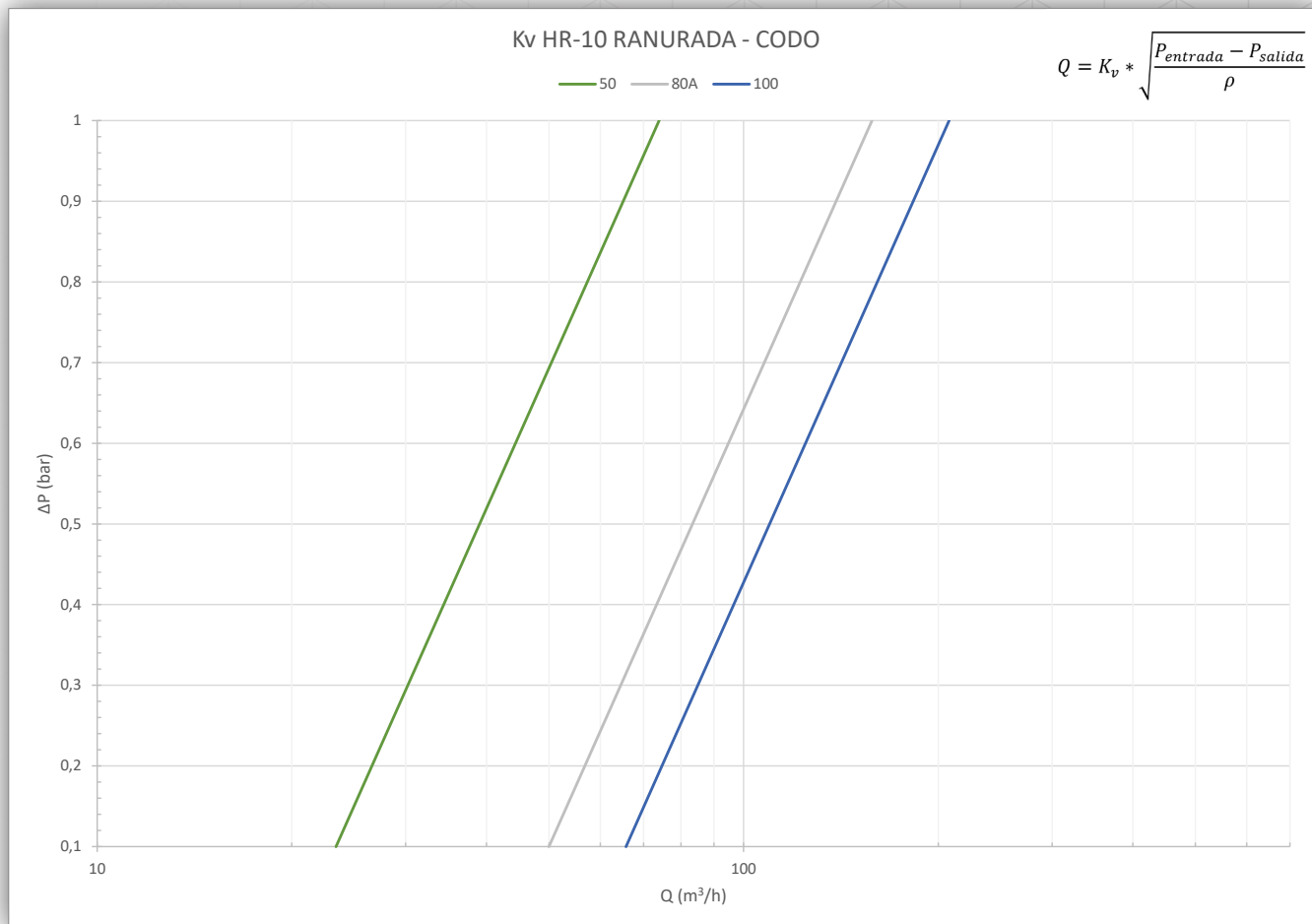
Hydraulic valve with rubber and spring

- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and very low corrosion due to epoxy coating.

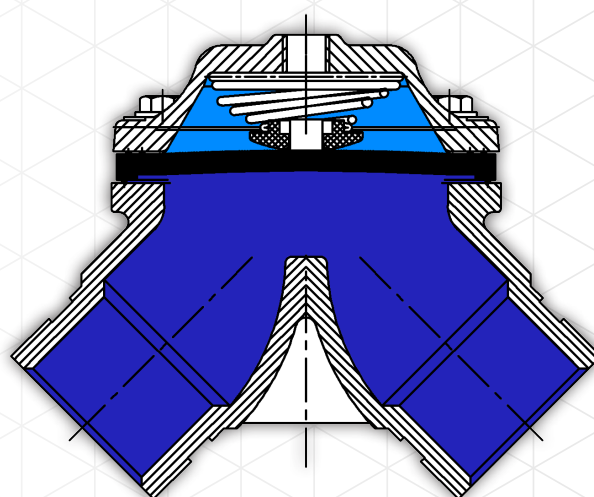


| DN  |      | L    | H   | D     | Materiel | Weight |
|-----|------|------|-----|-------|----------|--------|
| mm  | Inch | mm   | mm  | mm    | -        | Kg     |
| 50  | 2"   | 92.5 | 135 | 60.3  | GG25     | 2.73   |
| 80A | 3"   | 145  | 201 | 88.9  | GGG50    | 7.2    |
| 100 | 4"   | 185  | 219 | 114.3 | GGG50    | 11     |

(1) Stainless option A2-70



WHIT PRESSURE IN THE CHAMBER, THE VALVE CLOSES



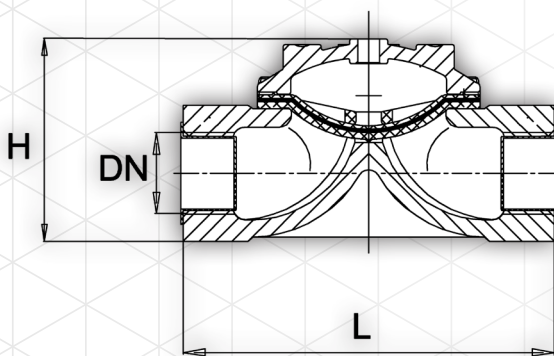
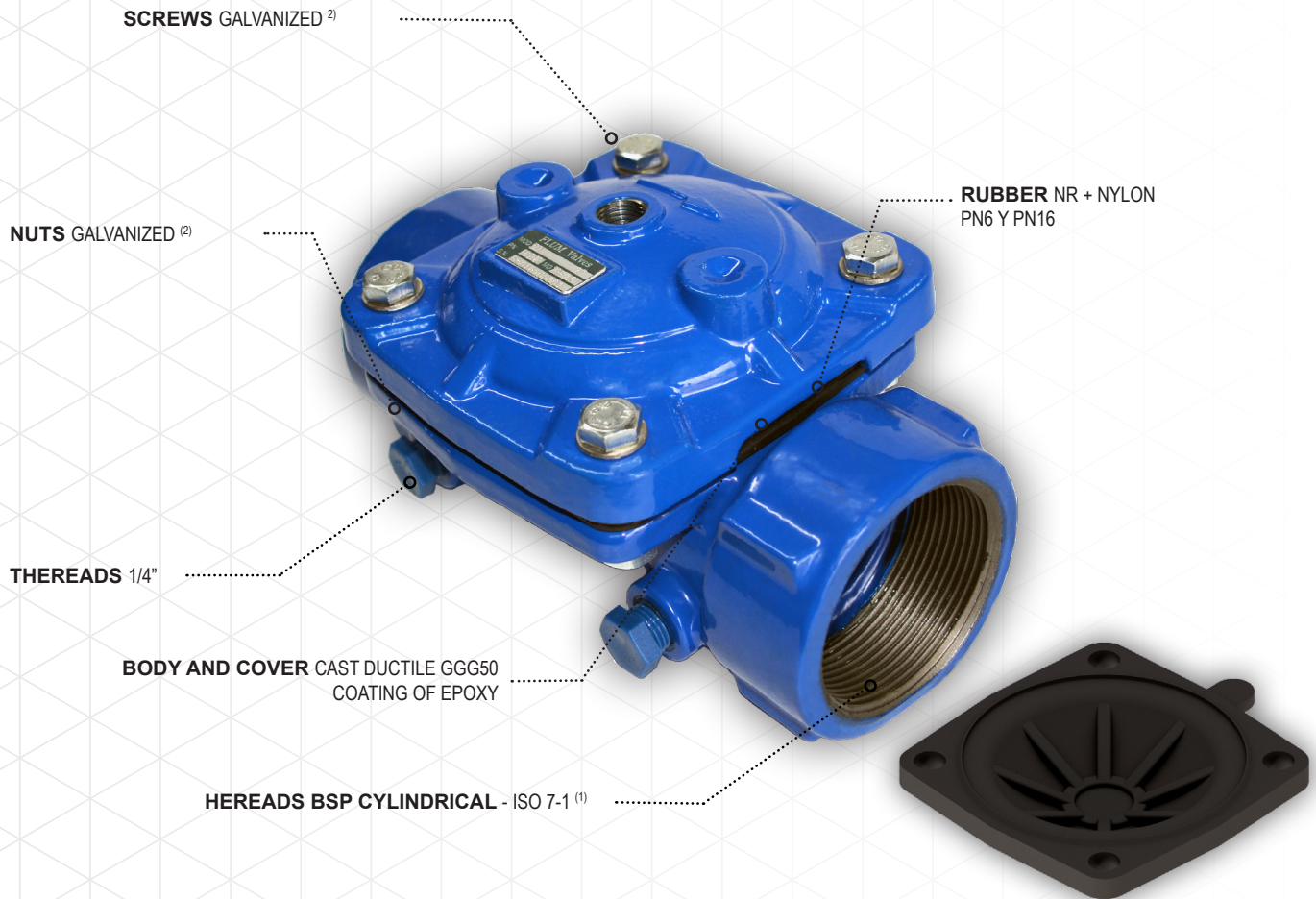
NO PRESSURE IN THE CHAMBER, THE VALVE OPENS.



### SAUNDERS THREAD WITHOUT SPRING TYPE VALVE

Hydraulic valve diaphragm without springless, with diaphragm reinforcements to aid valve closure.

- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and low corrosion due to the epoxy coating.
- Minimum opening pressure less than 0.5 bar



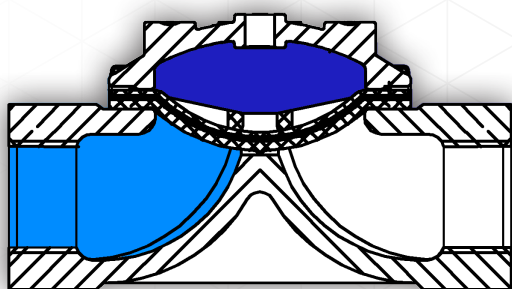
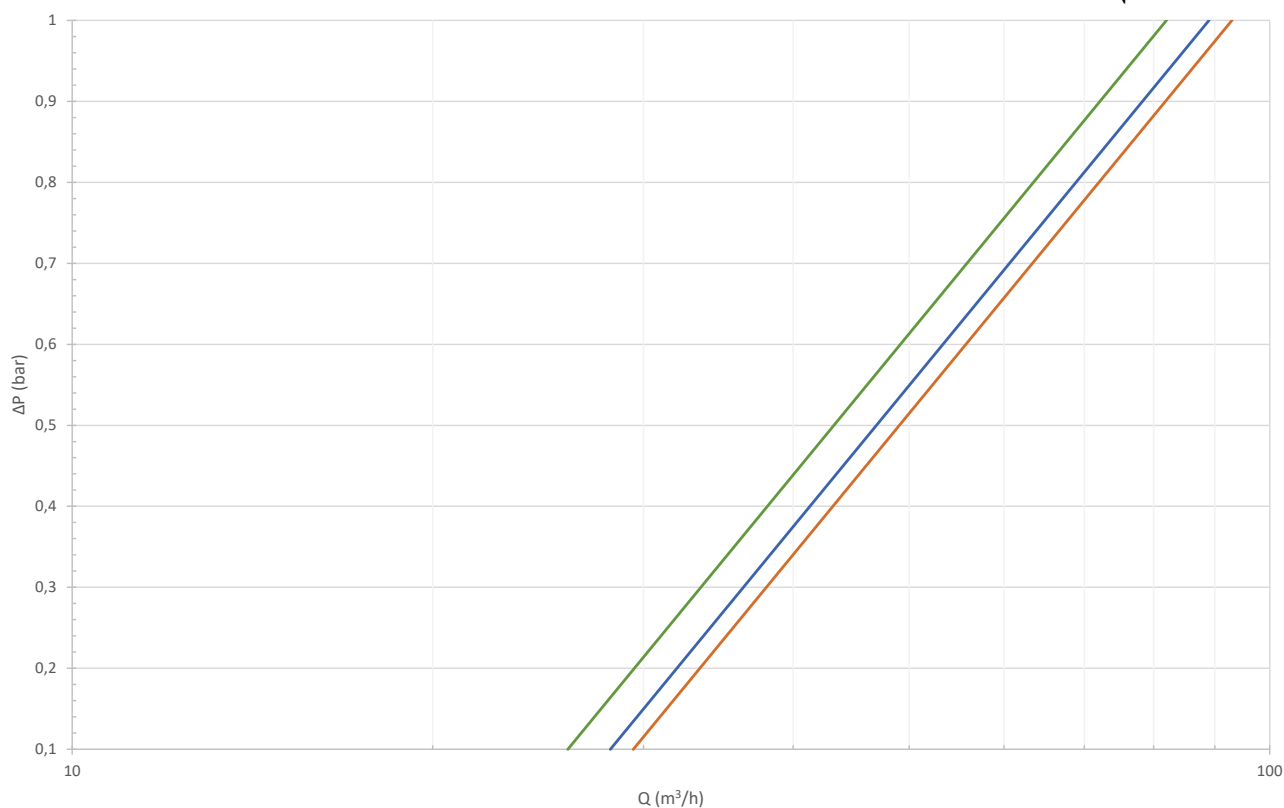
| DN  |            | L   | H   | Weight |
|-----|------------|-----|-----|--------|
| mm  | Inch       | mm  | mm  | Kg     |
| 50  | 2"         | 186 | 75  | 3.4    |
| 65  | 2 1/2"     | 205 | 90  | 4.3    |
| 80C | 3" (3-2-3) | 210 | 113 | 5.6    |

(1) Thread option NPT  
(2) Stainless option A2-70

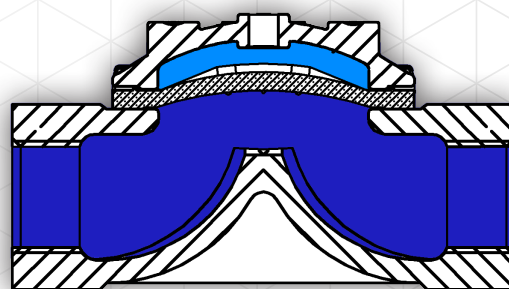
Kv MODELO HR-50 ROSCA - EN LINEA

— DN50 — DN65 — DN80C

$$Q = K_v * \sqrt{\frac{P_{entrada} - P_{salida}}{\rho}}$$



WHIT PRESSURE IN THE CHAMBER, THE VALVE CLOSES



NO PRESSURE IN THE CHAMBER, THE VALVE OPENS.

## SAUNDERS WITHOUT SPRING TYPE VALVE

Hydraulic valve diaphragm without springless, with diaphragm reinforcements to aid valve closure.

- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and low corrosion due to the epoxy coating.
- Minimum opening pressure less than 0.5 bar

SCREWS GALVANIZED

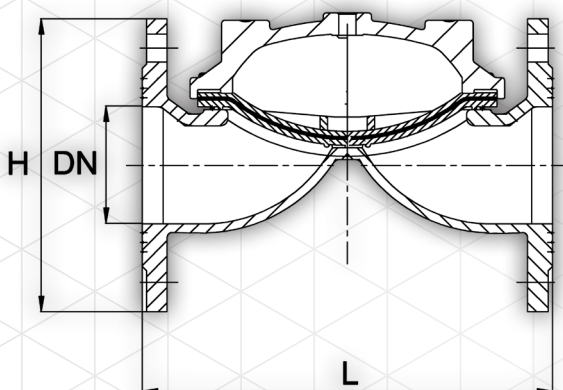
NUTS GALVANIZED

THEREADS 1/4"

BODY AND COVER CAST DUCTILE GGG50  
COATING OF EPOXY

FLANGED DIN ACCORFING TO UNE  
1092 <sup>(1)</sup>

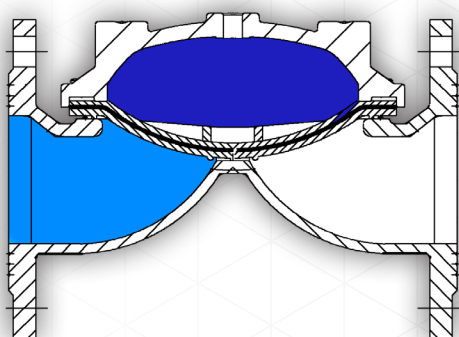
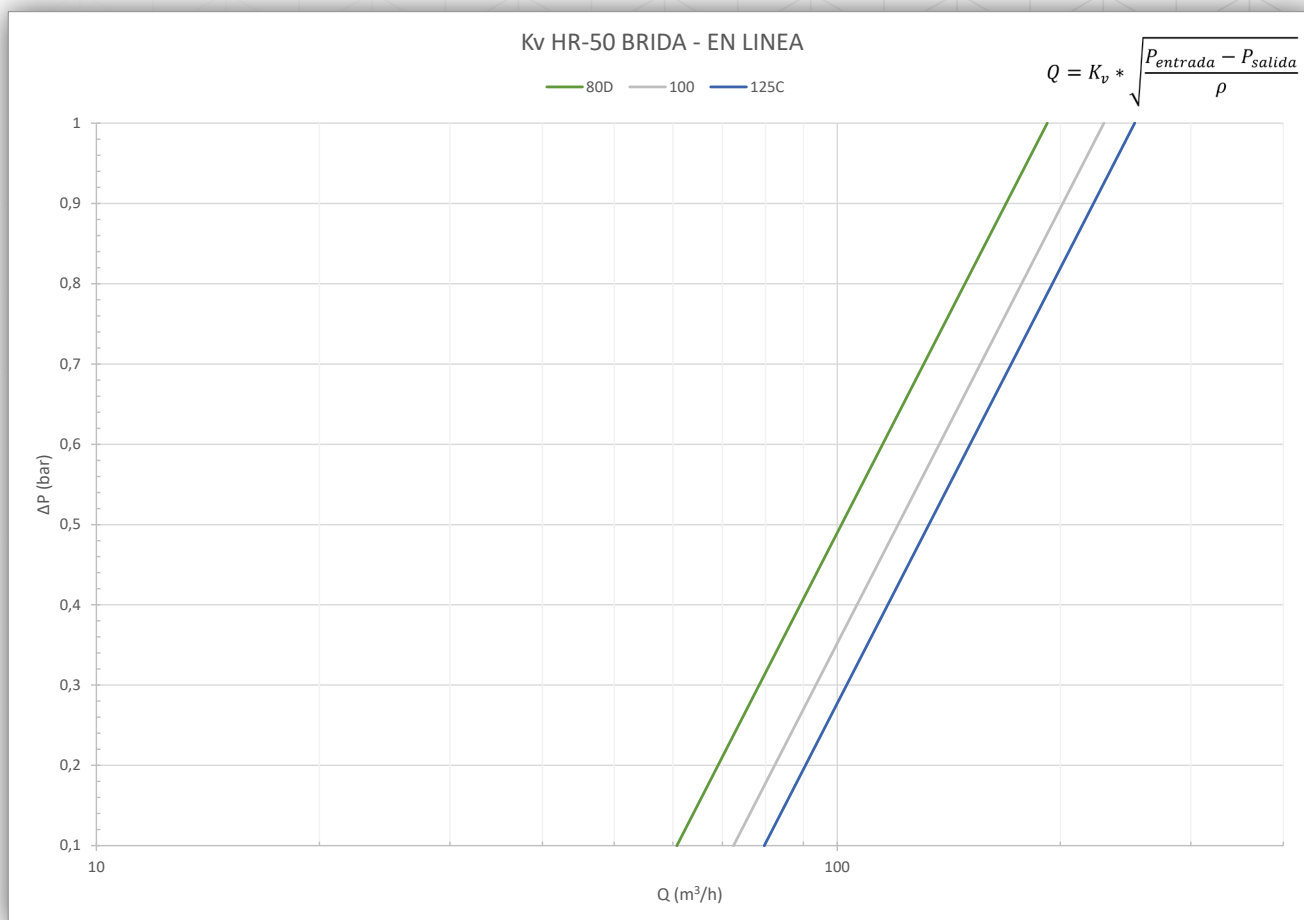
RUBBER NR + NYLON  
PN6 Y PN16



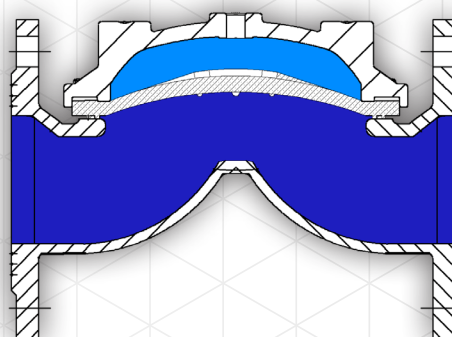
| DN   |            | L   | H   | Holes     | Weight |
|------|------------|-----|-----|-----------|--------|
| mm   | Inch       | mm  | mm  | (Flanged) | Kg     |
| 80D  | 3" (3-4-3) | 280 | 205 | 8 (PN16)  | 14.8   |
| 100  | 4"         | 305 | 225 | 8 (PN16)  | 16.5   |
| 125C | 5" (5-4-5) | 330 | 265 | 8 (PN16)  | 22     |

(1) Flanged option ANSI  
(2) Stainless option A2-70





WHIT PRESSURE IN THE CHAMBER, THE VALVE CLOSES

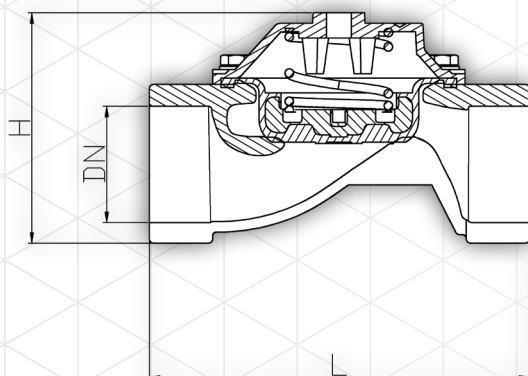
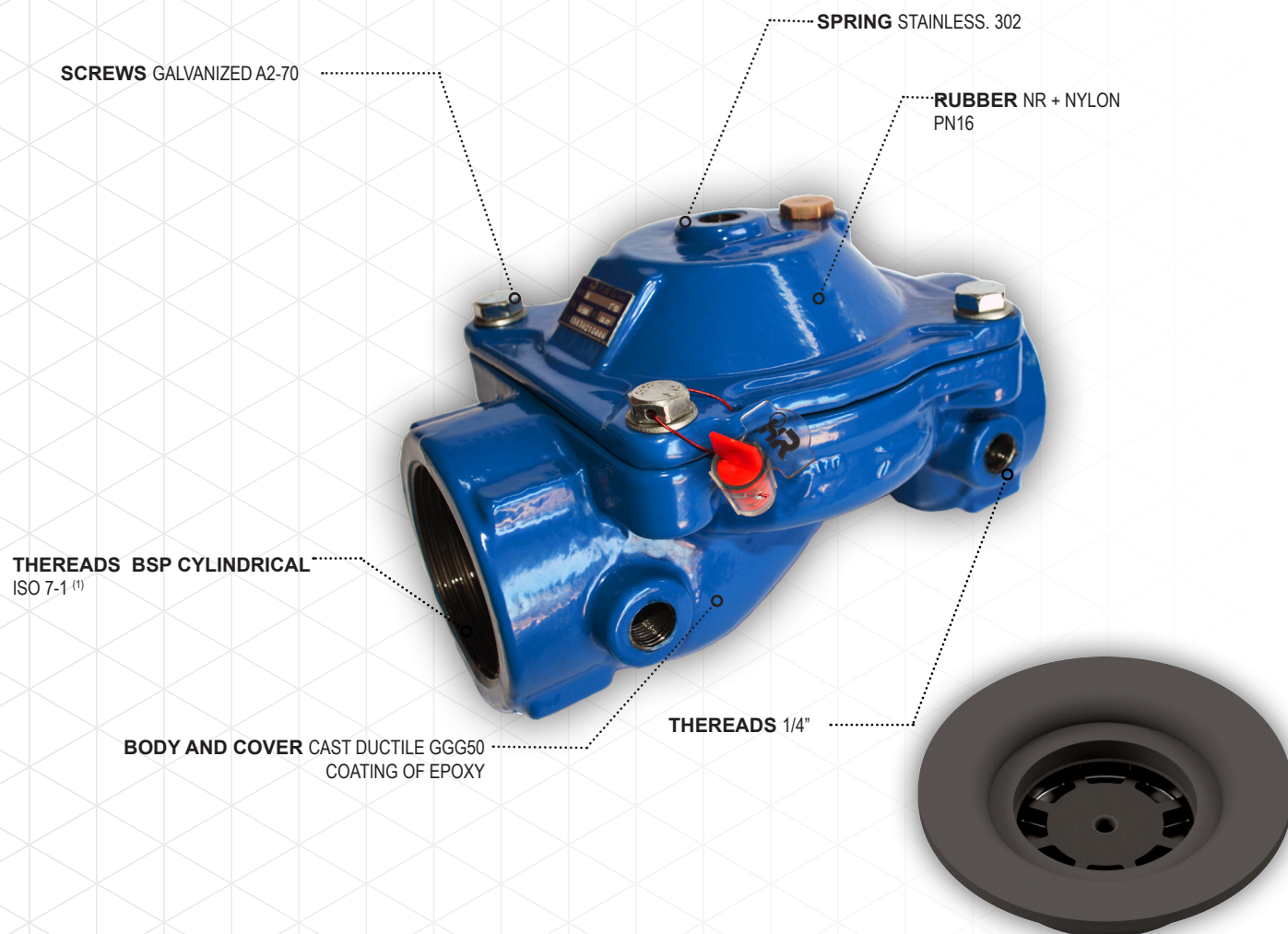


NO PRESSURE IN THE CHAMBER, THE VALVE OPENS

### VALVE HORIZONTAL CLOSING

Hydraulic valve diaphragm horizontal closing.

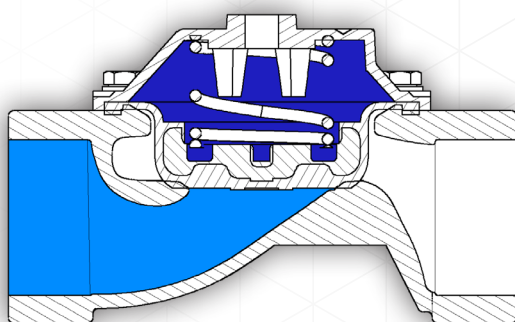
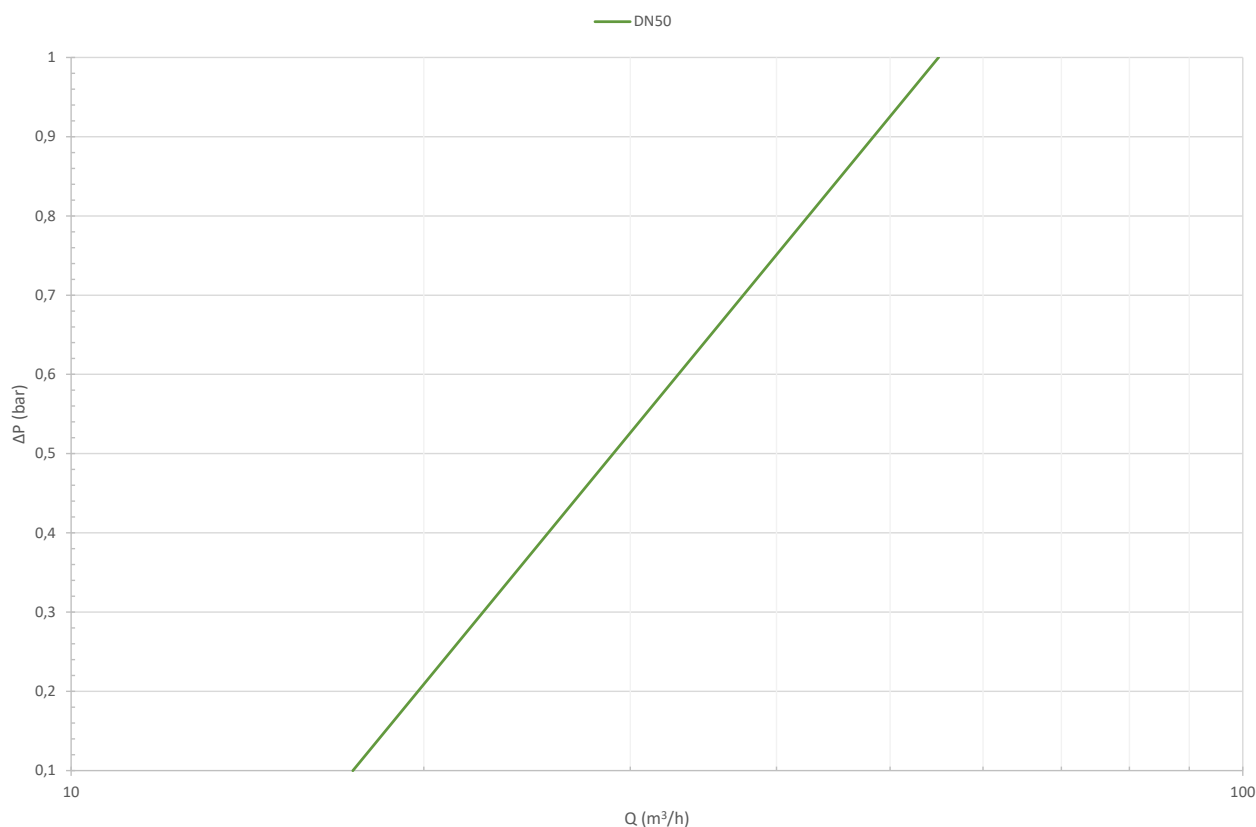
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and low corroion due to the expoxy coating.
- Minimum opening pressure less than 0.3 bar



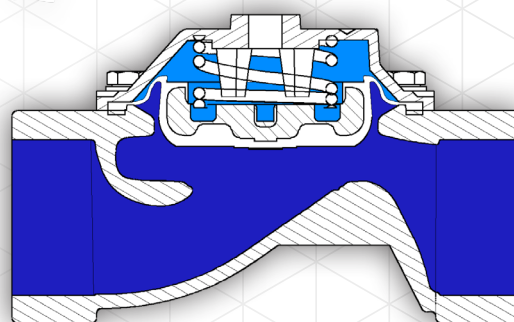
(1) Thread option NPT

| DN |      | L   | H   | Weight |
|----|------|-----|-----|--------|
| mm | Inch | mm  | mm  | Kg     |
| 50 | 2"   | 180 | 110 | 2.73   |

Kv MODELO HR-30 ROSCA - EN LINEA



WITH PRESSURE IN THE  
CHAMBER, THE VALVE  
CLOSES



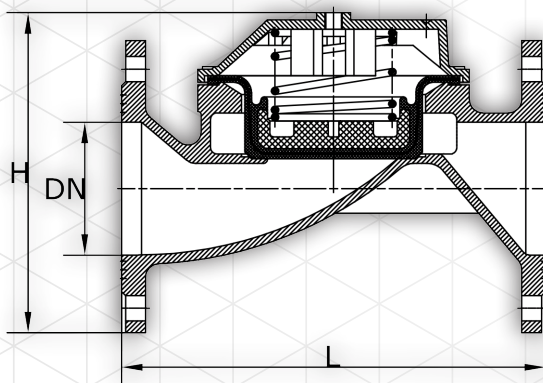
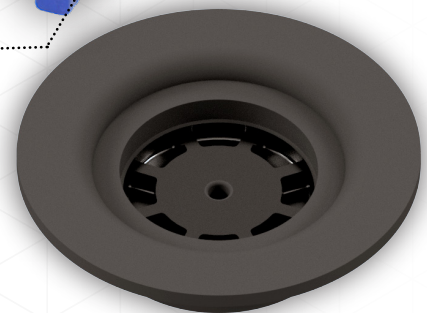
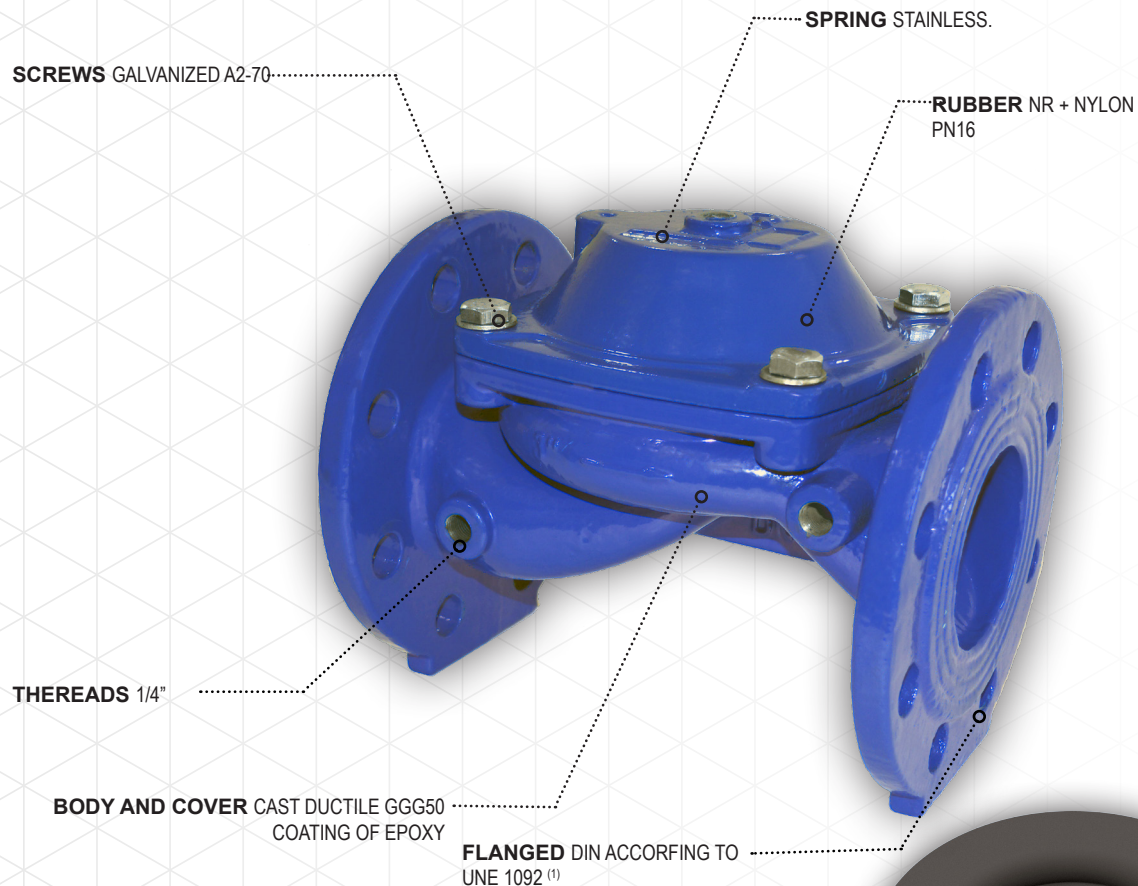
NO PRESSURE IN THE  
CHAMBER, THE VALVE OPENS



## VALVE HORIZONTAL CLOSING

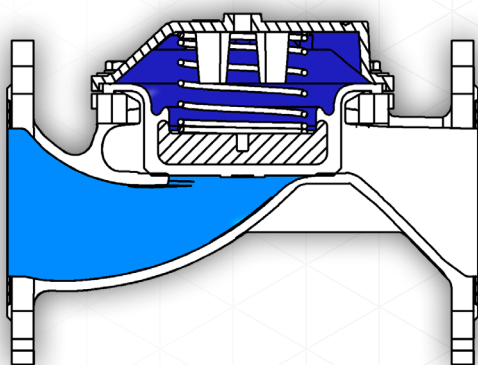
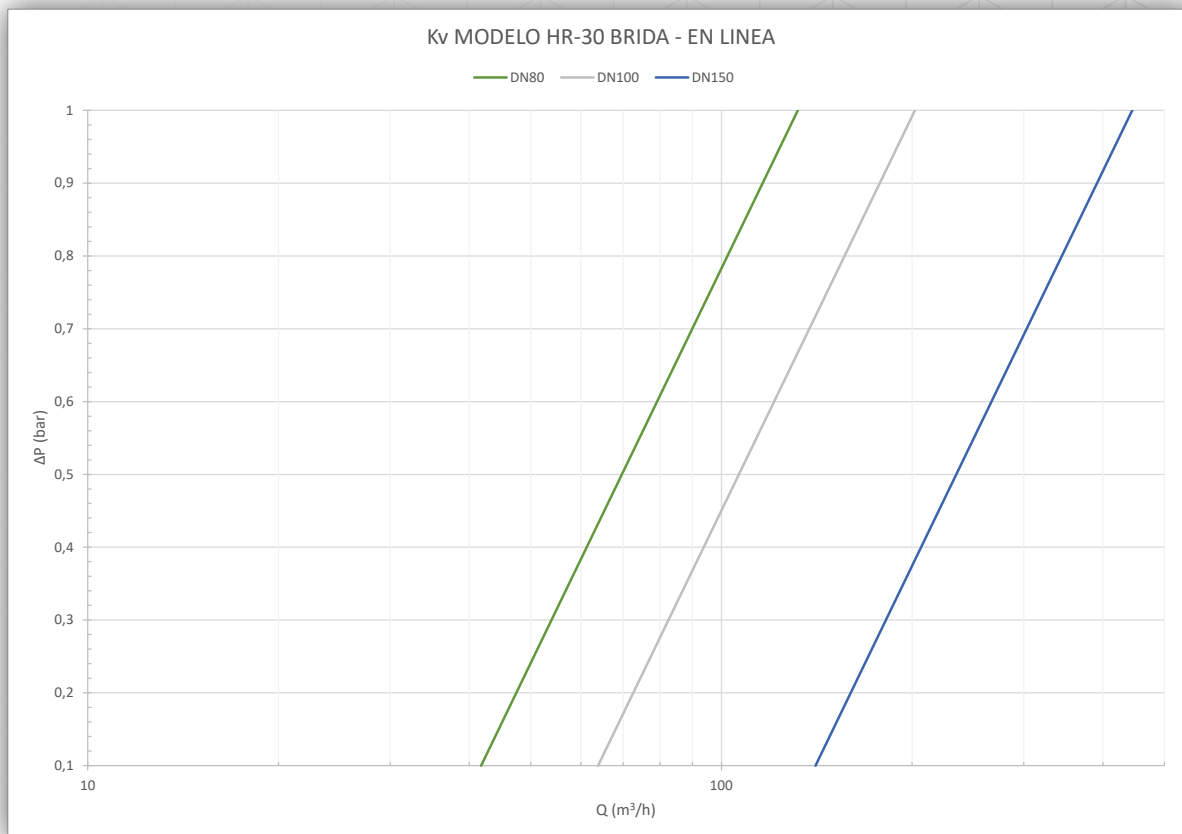
Hydraulic valve diaphragm horizontal closing.

- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and low corrosion due to the epoxy coating.
- Minimum opening pressure less than 0.3 bar

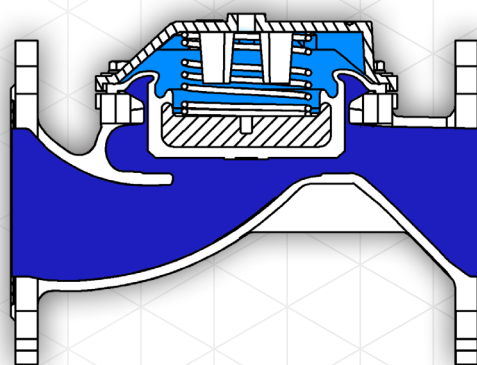


(1) Flanged option ANSI

| DN  |      | L   | H   | Holes     | Weight |
|-----|------|-----|-----|-----------|--------|
| mm  | Inch | mm  | mm  | (Flanged) | Kg     |
| 80  | 3"   | 250 | 216 | 8 (PN16)  | 12     |
| 100 | 4"   | 320 | 245 | 8 (PN16)  | 20     |
| 150 | 6"   | 415 | 355 | 8 (PN16)  | 51     |



WHIT PRESSURE IN THE CHAMBER, THE VALVE CLOSES



NO PRESSURE IN THE CHAMBER, THE VALVE OPENS

## PISTON HYDRAULIC VALVE

Hydraulic valve rigid piston seals.

- Precise and linear regulation.
- Greater stability.
- Minimum opening pressure less than 0.3 bar.
- Closing and opening fast, ideal for pressure relief mounts.
- Easy maintenance.
- Great solidity and low corrosion due to the epoxy coating.

**SCREWS GALVANIZED**  
A2-70

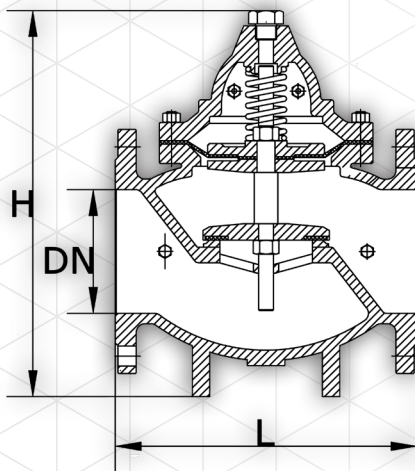
**SPRING AND  
SHAFT** S/S 302  
y 304

**RUBBER NR + NYLON**  
PN16

**THEREADS** 1/4"

**BODY AND COVER**  
CAST DUCTILE GGG50  
COATING OF EPOXY

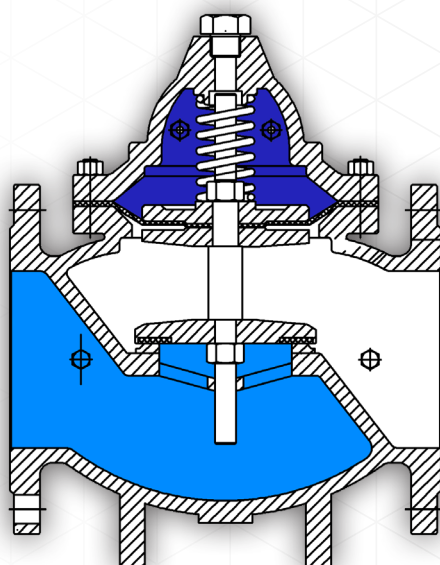
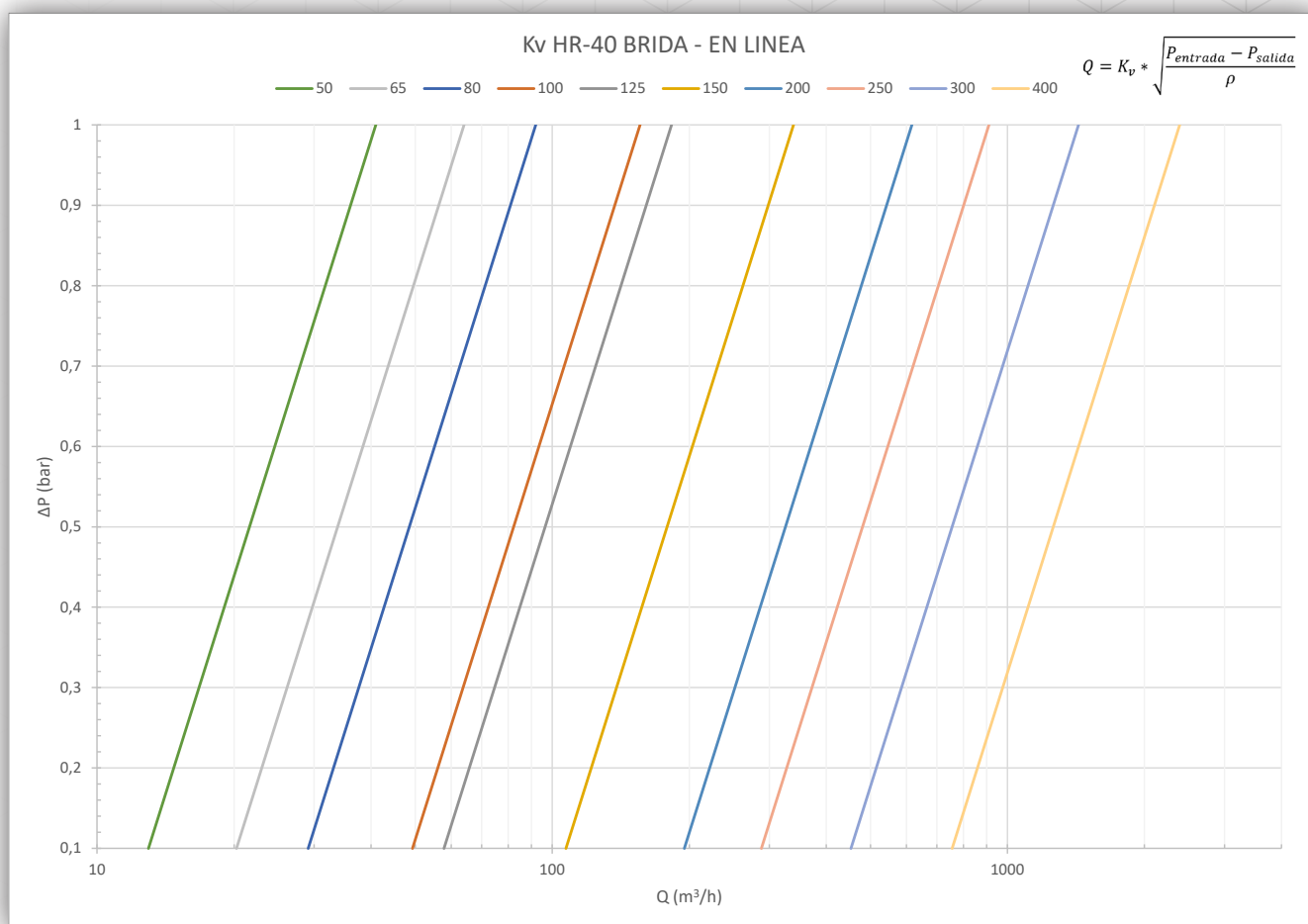
**FLANGED** DIN ACCORFING TO UNE  
1092 <sup>(1)</sup>



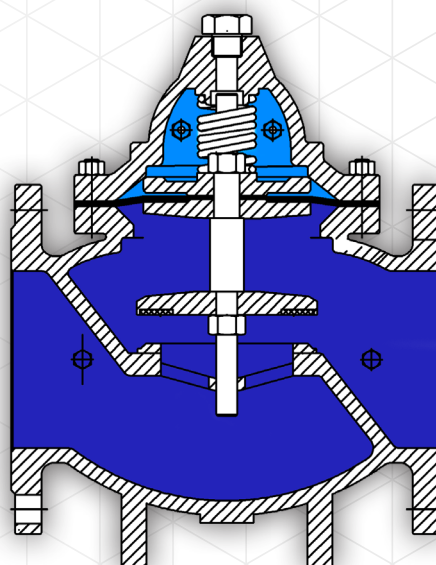
(1) 1/2" Tap thread in size DN150 and above

| DN  |        | L   | H   | Holes     | Weight |
|-----|--------|-----|-----|-----------|--------|
| mm  | Inch   | mm  | mm  | (Flanged) | Kg     |
| 50  | 2"     | 215 | 230 | 4 (PN16)  | 9.2    |
| 65  | 2 1/2" | 235 | 250 | 4 (PN16)  | 13     |
| 80  | 3"     | 255 | 260 | 8 (PN16)  | 14     |
| 100 | 4"     | 285 | 280 | 8 (PN16)  | 19.5   |
| 125 | 5"     | 325 | 320 | 8 (PN16)  | 24     |
| 150 | 6"     | 365 | 350 | 8 (PN16)  | 35     |
| 200 | 8"     | 425 | 440 | 12 (PN16) | 47     |
| 250 | 10"    | 505 | 510 | 12 (PN16) | 100    |
| 300 | 12"    | 585 | 600 | 12 (PN16) | 123    |
| 400 | 16"    | 650 | 770 | 12 (PN16) | 245    |





WHIT PRESSURE IN THE CHAMBER, THE VALVE CLOSES

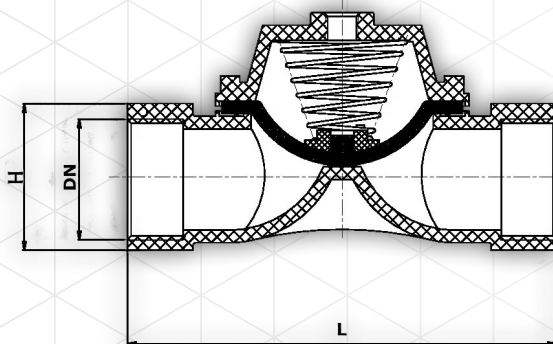
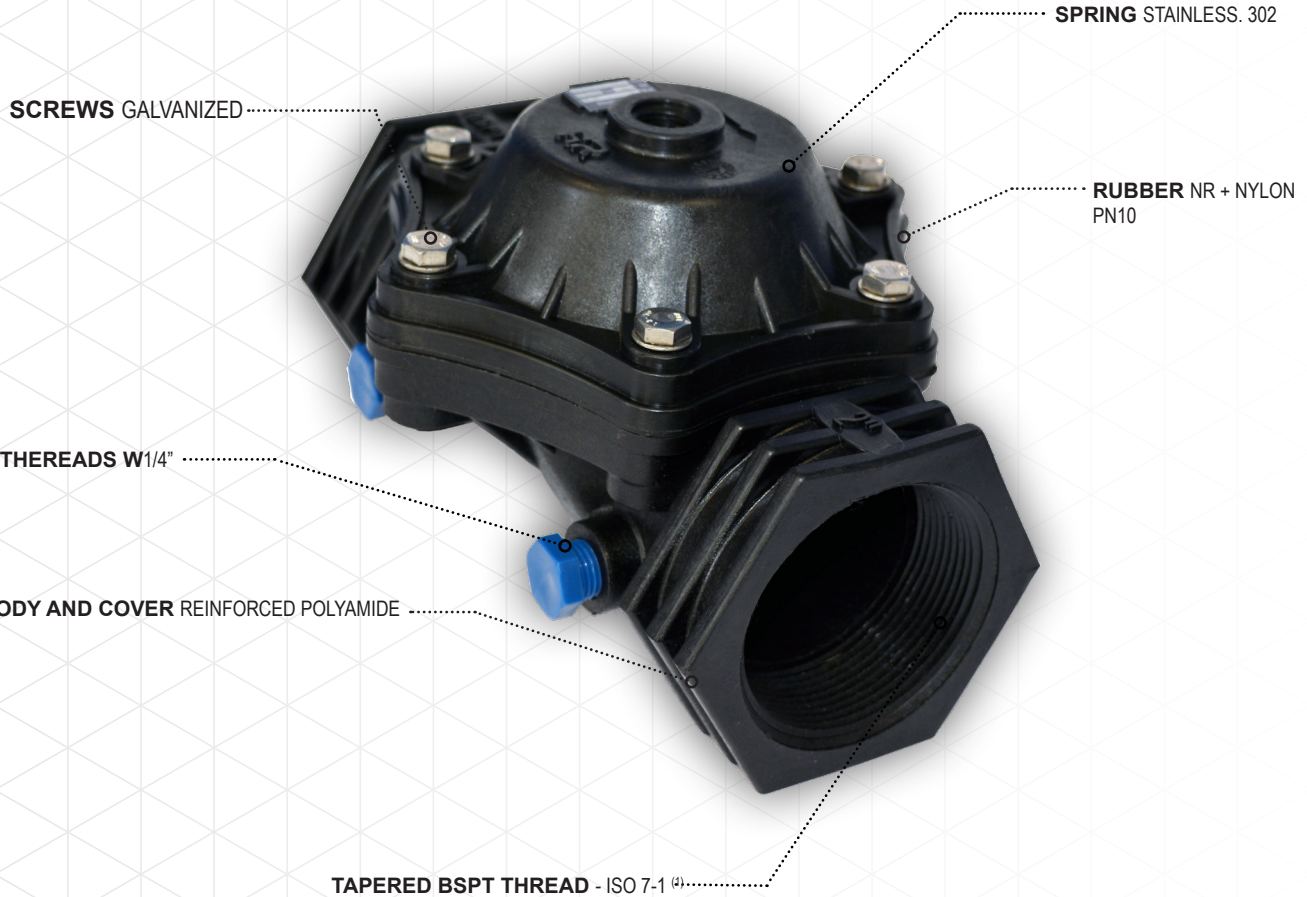


NO PRESSURE IN THE CHAMBER, THE VALVE OPENS

### SAUNDERS PLASTIC THEREAD TYPE VALVE

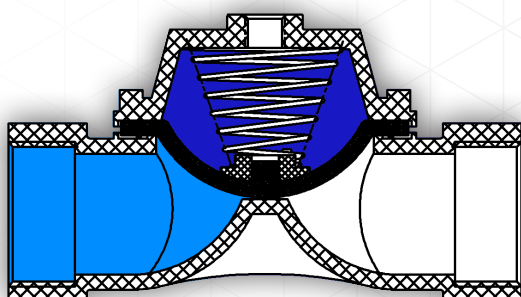
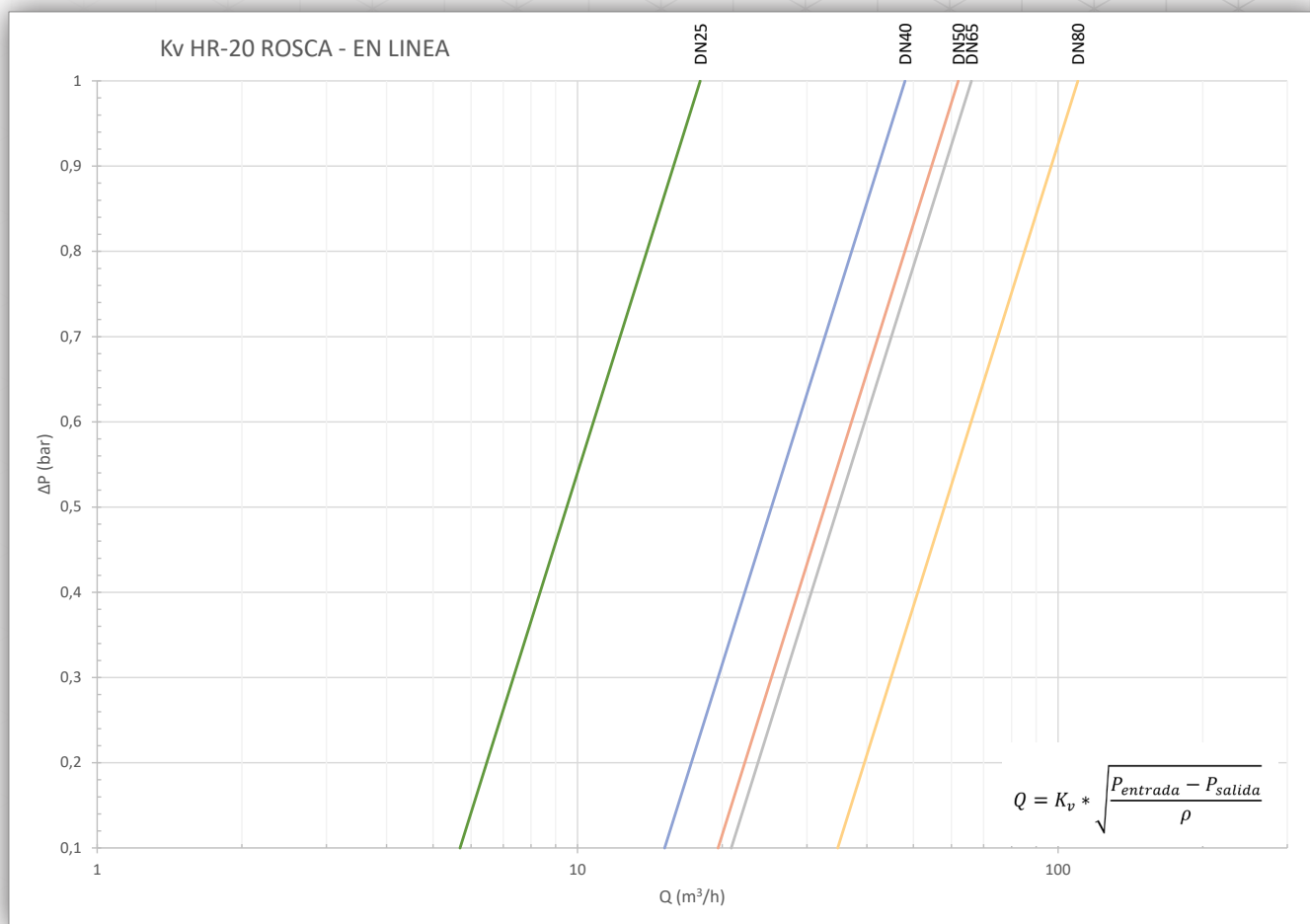
Hydraulic valve diaphragm with spring.

- Low pressure loss.
- Easy maintenance.
- Opening and closing slowly, reducing the ram effect.
- Great solidity and low corroion due to the expoxy coating.

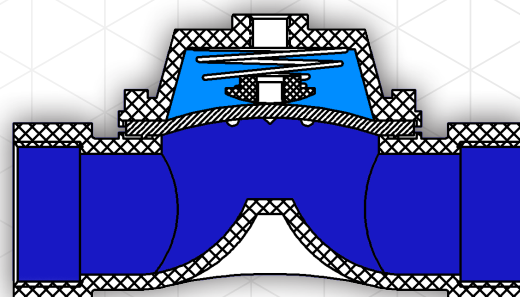


| DN |        | L   | H   | Weight |
|----|--------|-----|-----|--------|
| mm | Inch   | mm  | mm  | Kg     |
| 25 | 1"     | 134 | 42  | 0.25   |
| 40 | 1 1/2" | 170 | 58  | 0.52   |
| 50 | 2"     | 185 | 77  | 0.73   |
| 65 | 2 1/2" | 195 | 90  | 0.79   |
| 80 | 3"     | 210 | 105 | 1.01   |

(1) Flanged option NPT



WHIT PRESSURE IN THE  
CHAMBER, THE VALVE  
CLOSES



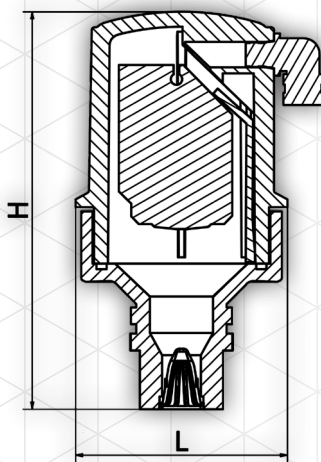
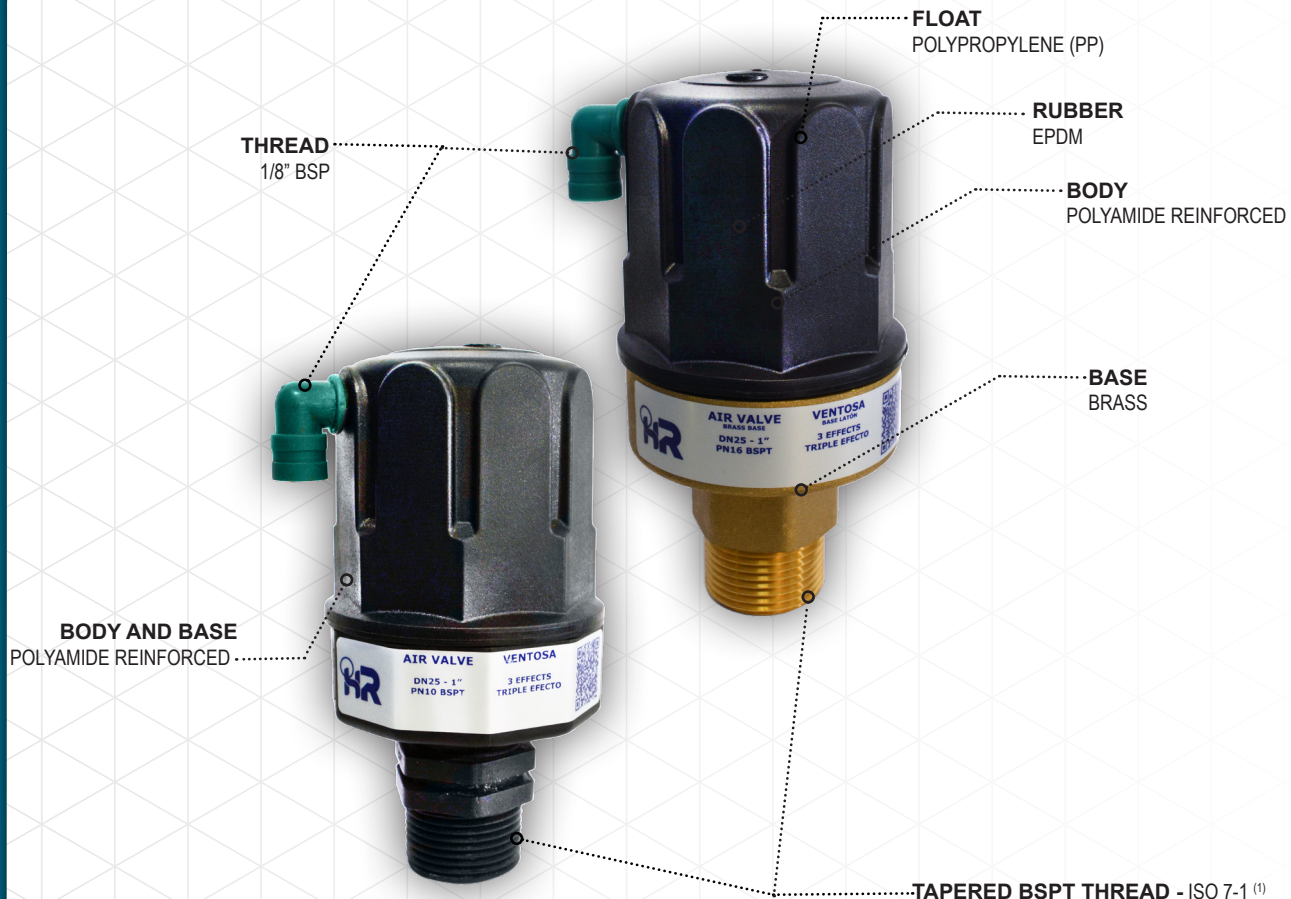
NO PRESSURE IN THE  
CHAMBER, THE VALVE OPENS



### AUTOMATIC PLASTIC AIR VALE 1"

Pipeline drain valve with elastic float closure.

- Low pressure loss
- Easy maintenance
- 3 EFFECT: Automatic Purge, Kinetic Purge and Kinetic Intake
- Versions in PN10 (plasti base) and PN16 ( brass base)

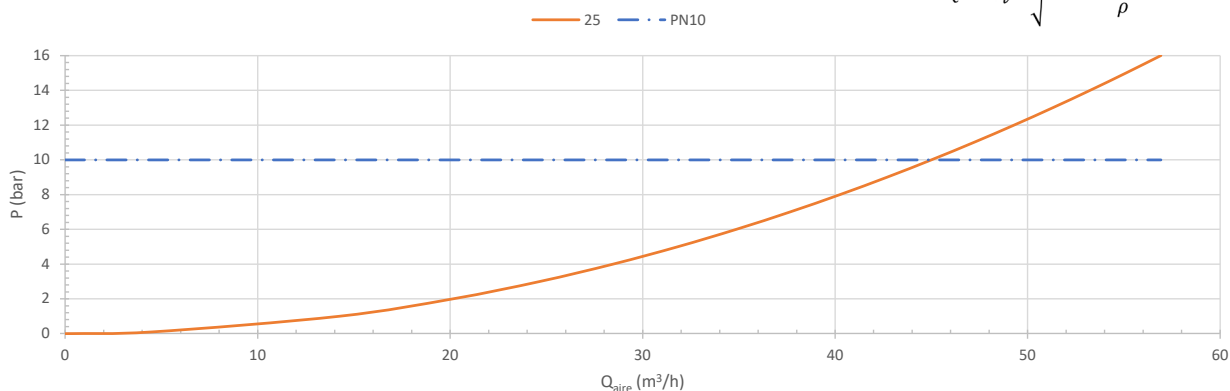


(1) Thread option NPT

| DN |      | $Q_{MAX}$<br>PURGE<br>PIPE TO 10<br>BAR | $K_v$<br>PIPE LOAD | $K_v$<br>PIPE<br>DISCHARGE | L  | H   | Weight |
|----|------|-----------------------------------------|--------------------|----------------------------|----|-----|--------|
| mm | Inch | m <sup>3</sup> /h                       | m <sup>3</sup> /h  | m <sup>3</sup> /h          | mm |     | Kg     |
| 25 | 1"   | 45 (10 bar)                             | 74                 | -55.9                      | 85 | 142 | 0.31   |
| 25 | 1"   | 57 (16 bar)                             | 74                 | -55.9                      | 85 | 142 | 0.75   |

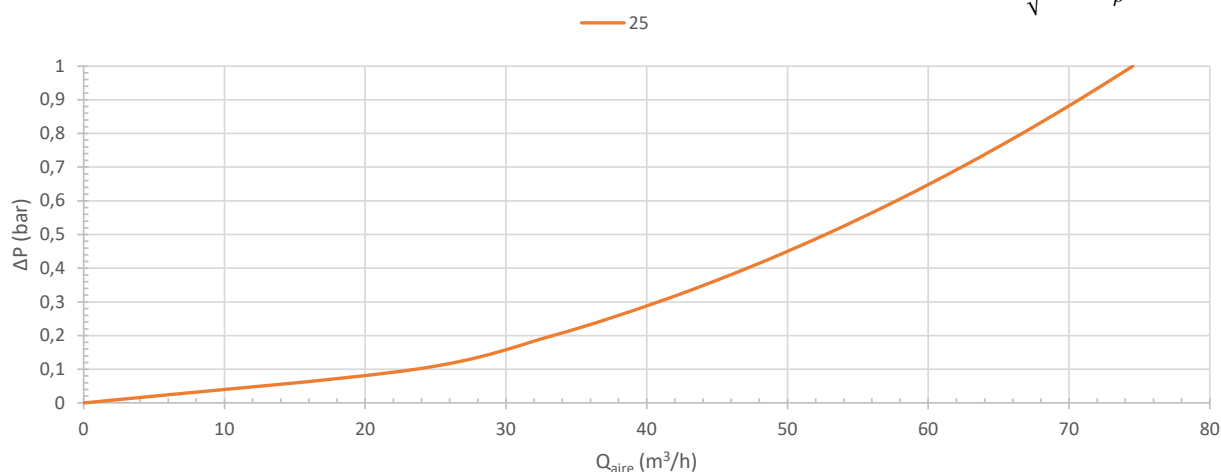
AV3FP y AV3FB 1" (DN25)  
PURGA AUTOMÁTICA

$$Q = K_v * \sqrt{\frac{P_{entrada} - P_{salida}}{\rho}}$$



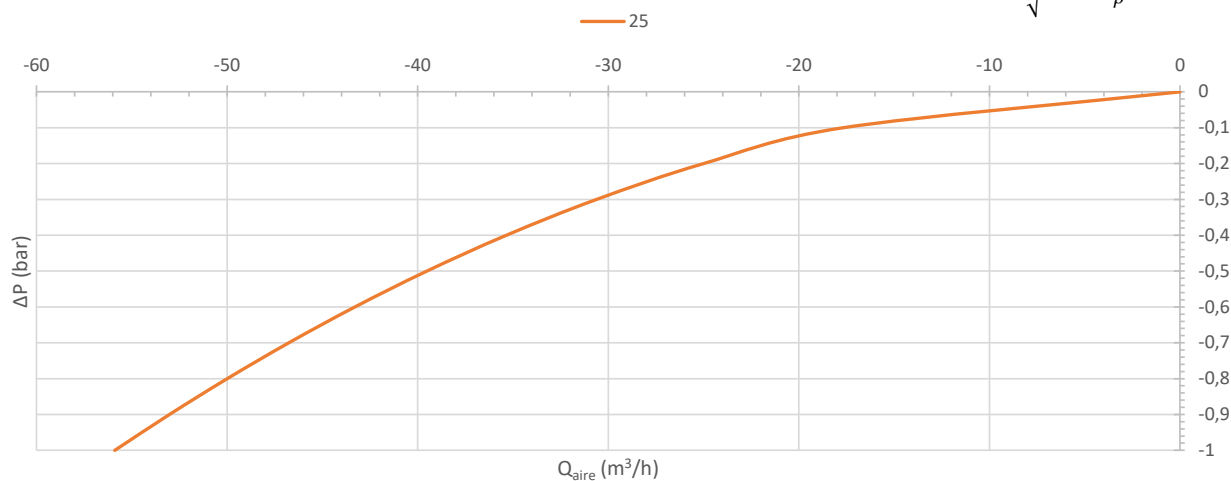
AV3FP y AV3FB 1"  
PURGA CINÉTICA

$$Q = K_v * \sqrt{\frac{P_{entrada} - P_{salida}}{\rho}}$$



AV3FP y AV3FB 1"  
ADMISIÓN CINÉTICA

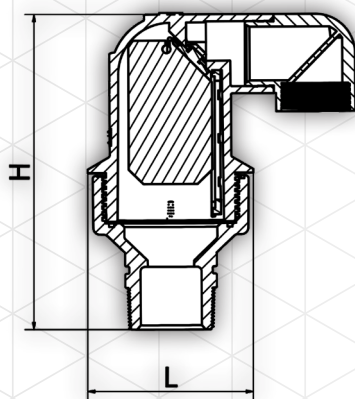
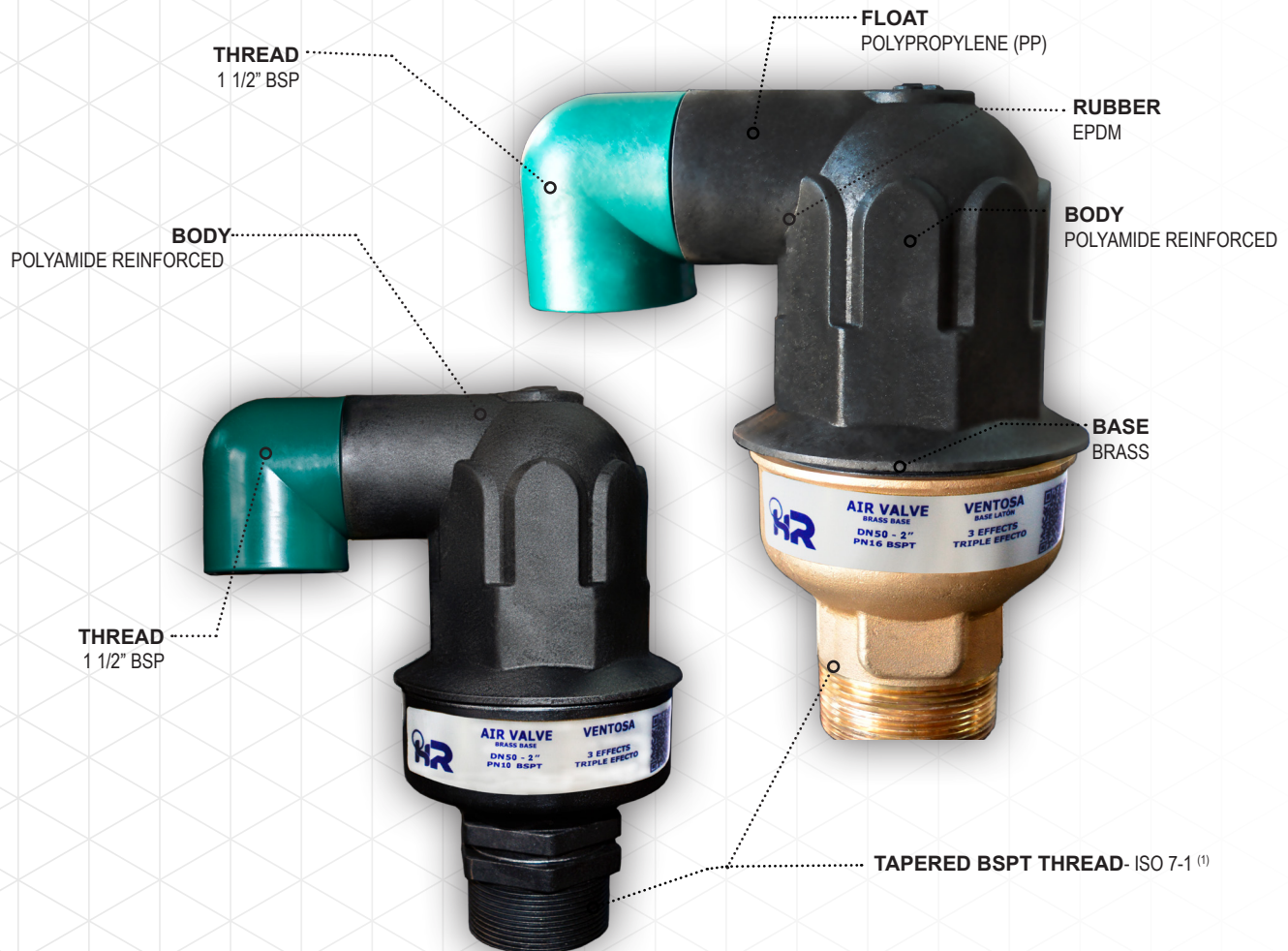
$$Q = K_v * \sqrt{\frac{P_{entrada} - P_{salida}}{\rho}}$$



### AUTOMATIC PLASTIC AIR VALE 2"

Pipeline drain valve with elastic float closure.

- Low pressure loss.
- Easy maintenance.
- 3 EFFECT: Automatic Purge, Kinetic Purge and Kinetic Intake
- Versions in PN10 (plasti base) and PN16 ( brass base)



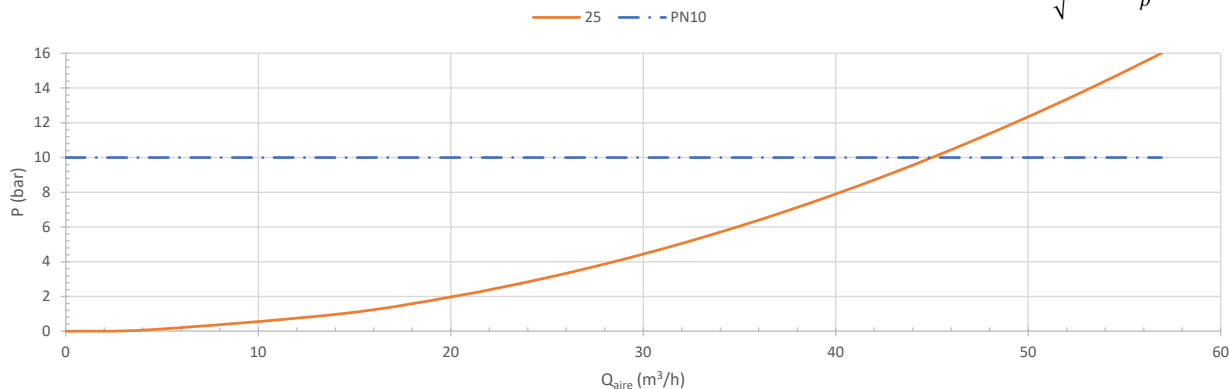
(1) Thread option NPT

| DN |      | Q <sub>MAX</sub><br>AUTOMATIC<br>PURGE | K <sub>V</sub><br>KINETIC<br>PURGE | K <sub>V</sub><br>KINETIC<br>INTAKE | L   | H   | Weight |
|----|------|----------------------------------------|------------------------------------|-------------------------------------|-----|-----|--------|
| mm | Inch | m <sup>3</sup> /h                      | m <sup>3</sup> /h                  | m <sup>3</sup> /h                   | mm  | mm  | Kg     |
| 50 | 2"   | 45 (10 bar)                            | 350                                | -224                                | 115 | 208 | 0.98   |
| 50 | 2"   | 57 (16 bar)                            | 350                                | -224                                | 115 | 208 | 1.82   |



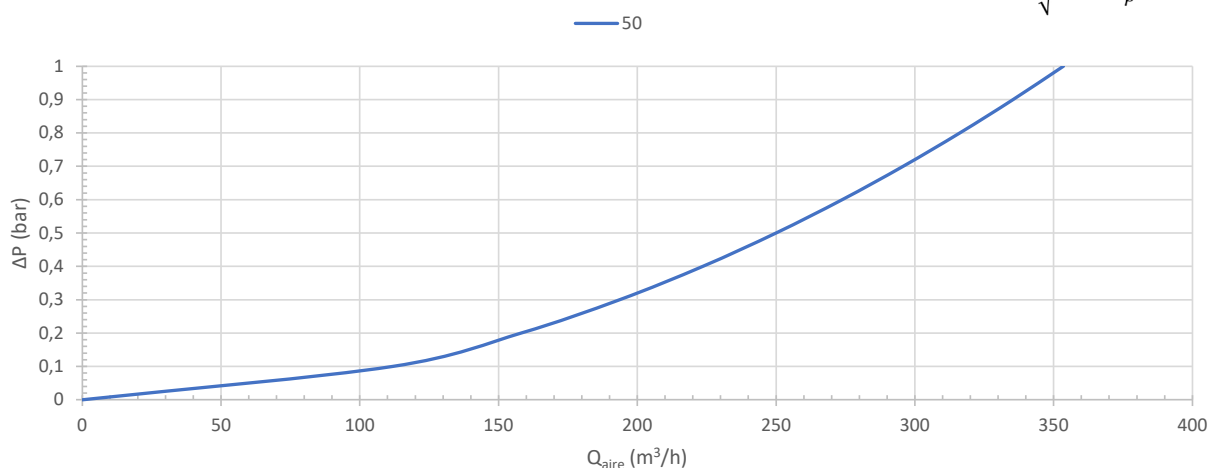
AV3FP y AV3FB 1" (DN25)  
PURGA AUTOMÁTICA

$$Q = K_v * \sqrt{\frac{P_{entrada} - P_{salida}}{\rho}}$$



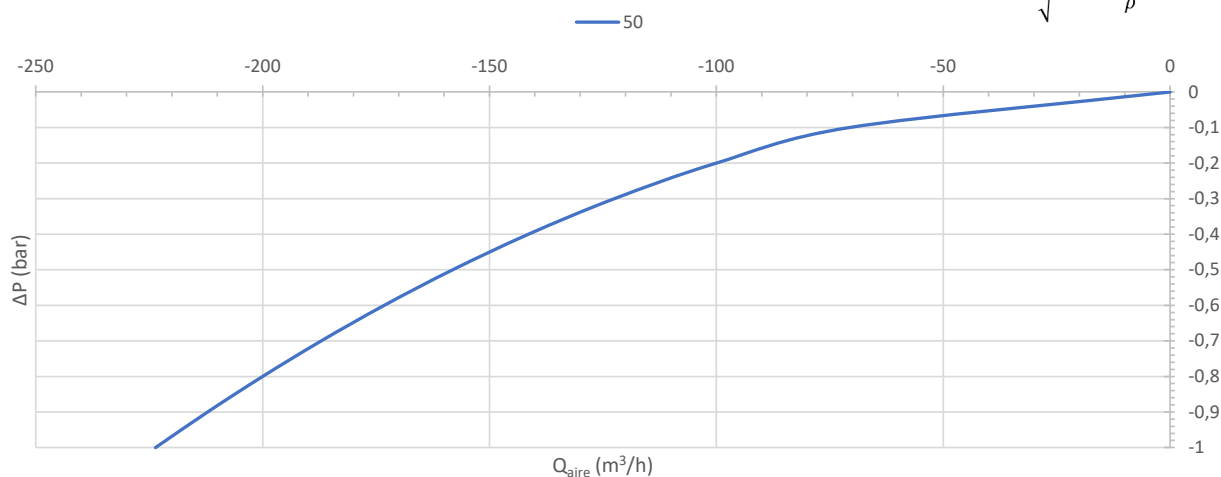
AV3FP y AV3FB 2"  
PURGA CINÉTICA

$$Q = K_v * \sqrt{\frac{P_{entrada} - P_{salida}}{\rho}}$$



AV3FP y AV3FB 2"  
ADMISIÓN CINÉTICA

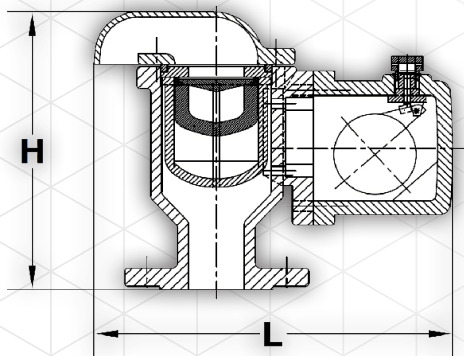
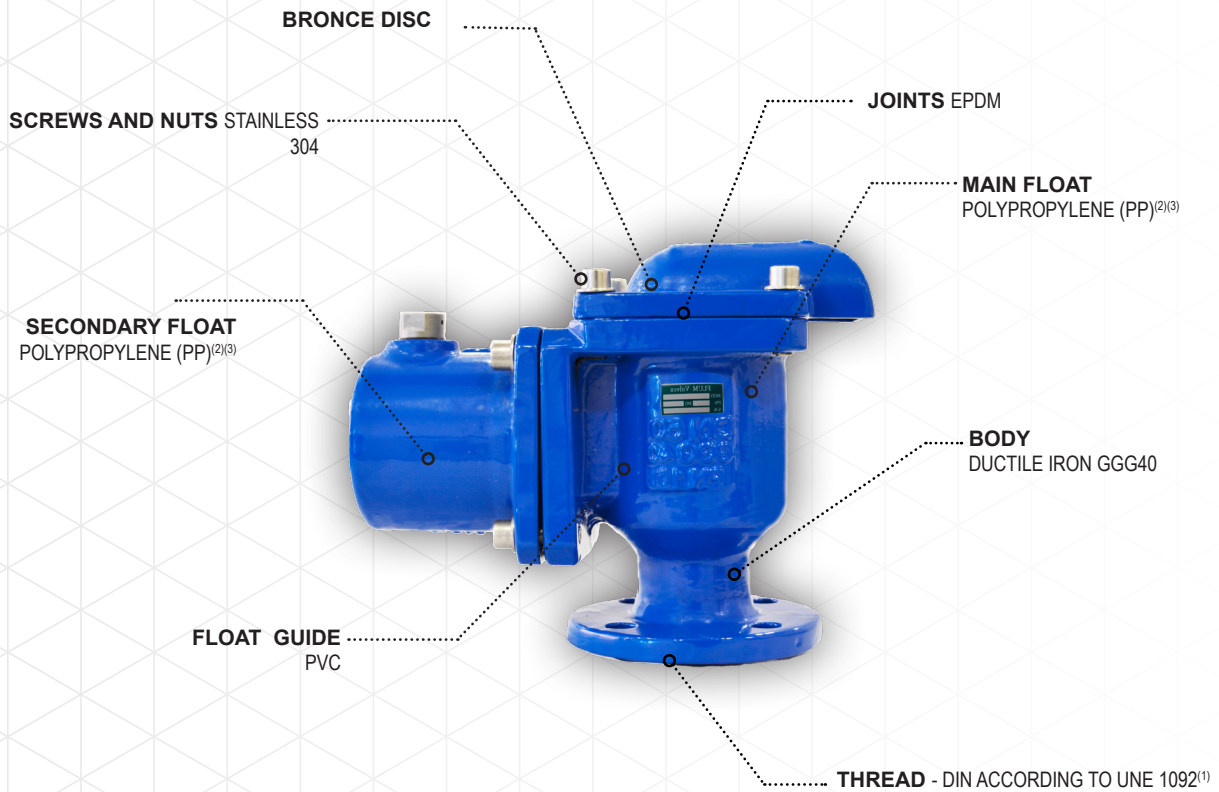
$$Q = K_v * \sqrt{\frac{P_{entrada} - P_{salida}}{\rho}}$$



### 3 EFFECT DUCTILE IRON AIR VALVE

Pipeline drain valve with guided float closure and double chamber.

- Ideal for distribution networks, irrigation systems, feed pipes, changes of slope or high points of the installation.
- Prevent pipe ruptures caused by overpressure and negative pressure during filling and draining of the system.
- Desing according to EN 1074/4

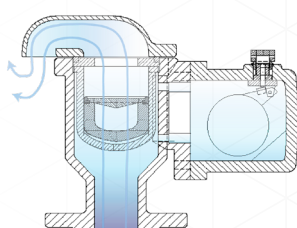
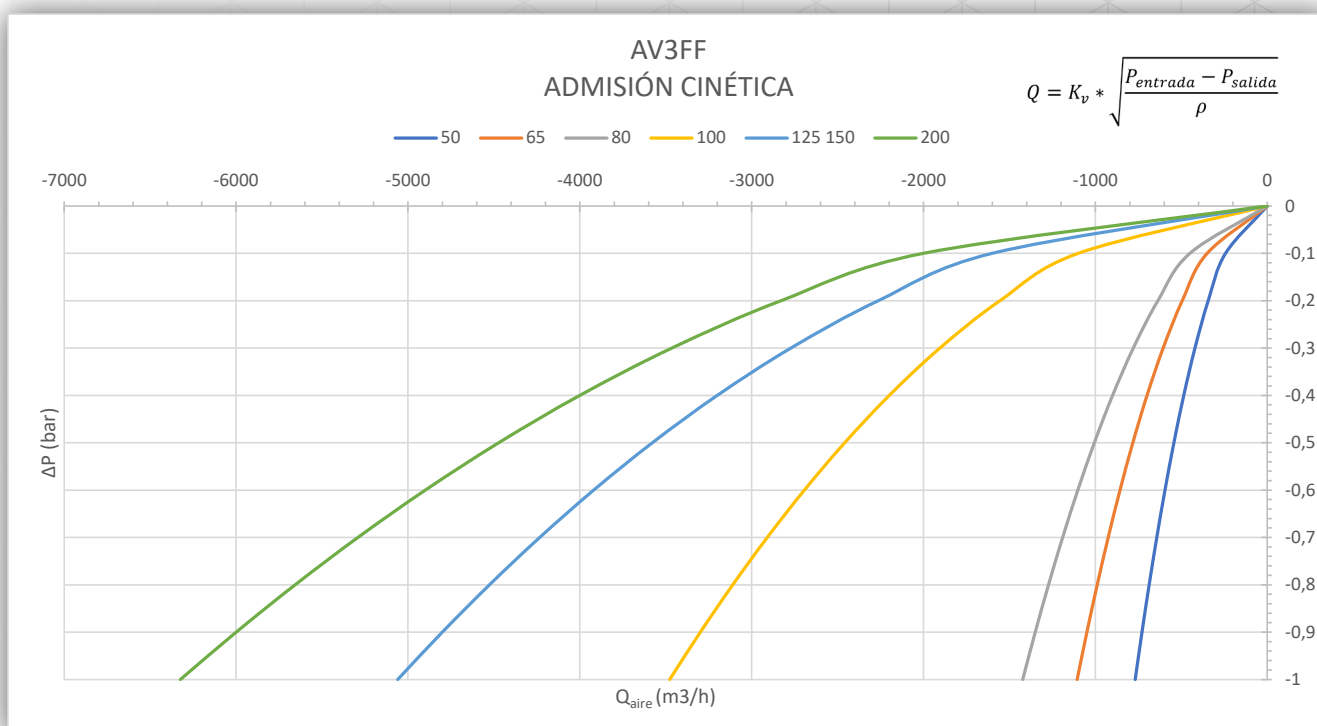
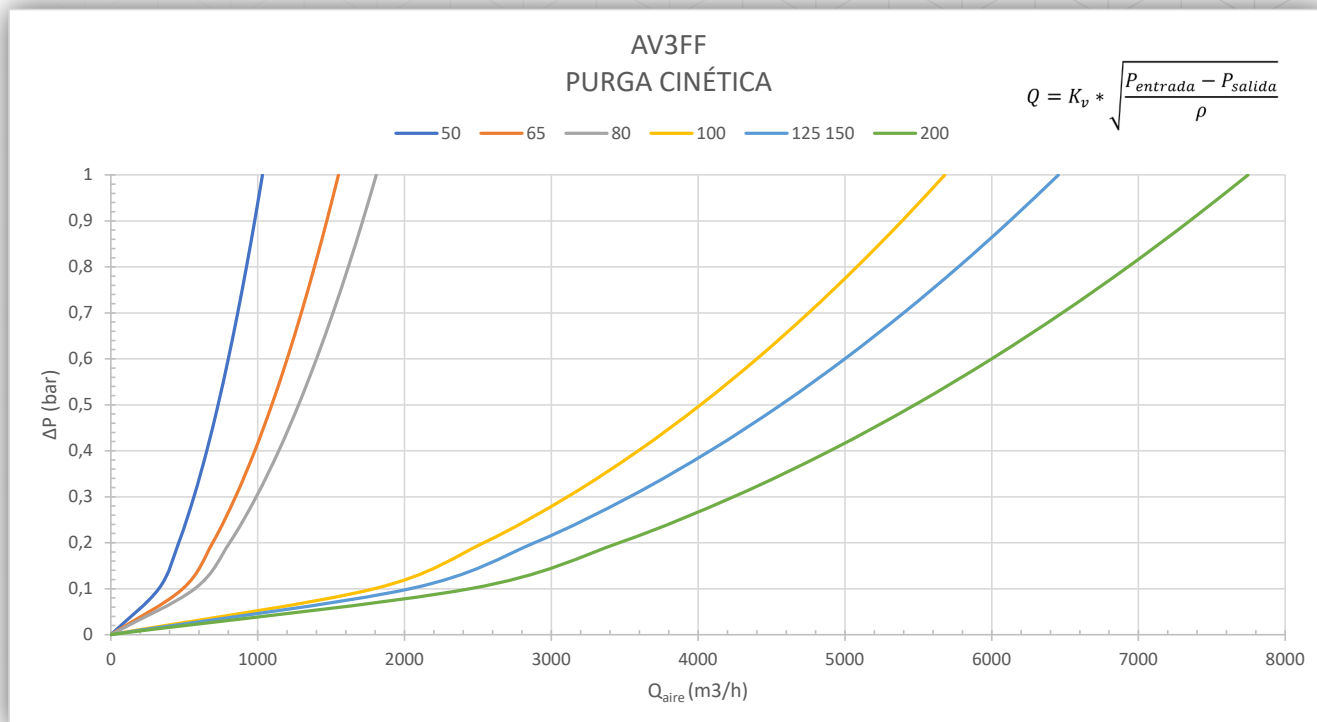


| DN  |        | $Q_{MAX}$<br>PIPE<br>FILLING TO<br>0.6 BAR | $K_V$<br>PIPE<br>DISCHARGE<br>TO -0.4 BAR | L   | H   | Weight |
|-----|--------|--------------------------------------------|-------------------------------------------|-----|-----|--------|
| mm  | Inch   | m <sup>3</sup> /h                          | m <sup>3</sup> /h                         | mm  | mm  | Kg     |
| 50  | 2"     | 800                                        | 486                                       | 325 | 260 | 17     |
| 65  | 2 1/2" | 1200                                       | 700                                       | 325 | 260 | 20     |
| 80  | 3"     | 1400                                       | 900                                       | 325 | 260 | 21     |
| 100 | 4"     | 4400                                       | 2200                                      | 370 | 320 | 31     |
| 125 | 5"     | 5000                                       | 3200                                      | 370 | 320 | 32     |
| 150 | 6"     | 5000                                       | 3200                                      | 370 | 320 | 34     |
| 200 | 8"     | 6000                                       | 4000                                      | 370 | 450 | 64     |

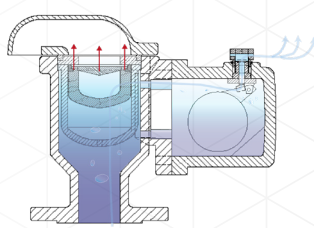
(1) Flanged option ANSI On order

(2) Float at PE (DN200)

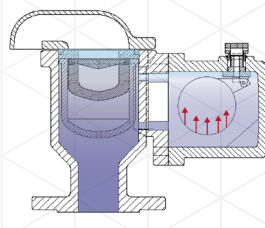
(3) Stainless option 304 o 316



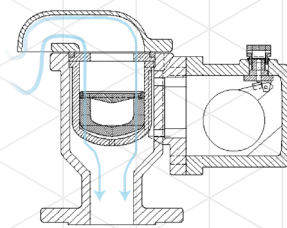
EXPULSIÓN



PURGA



CIERRE



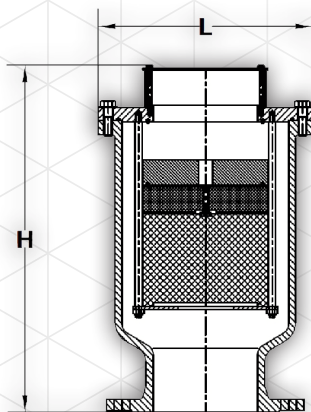
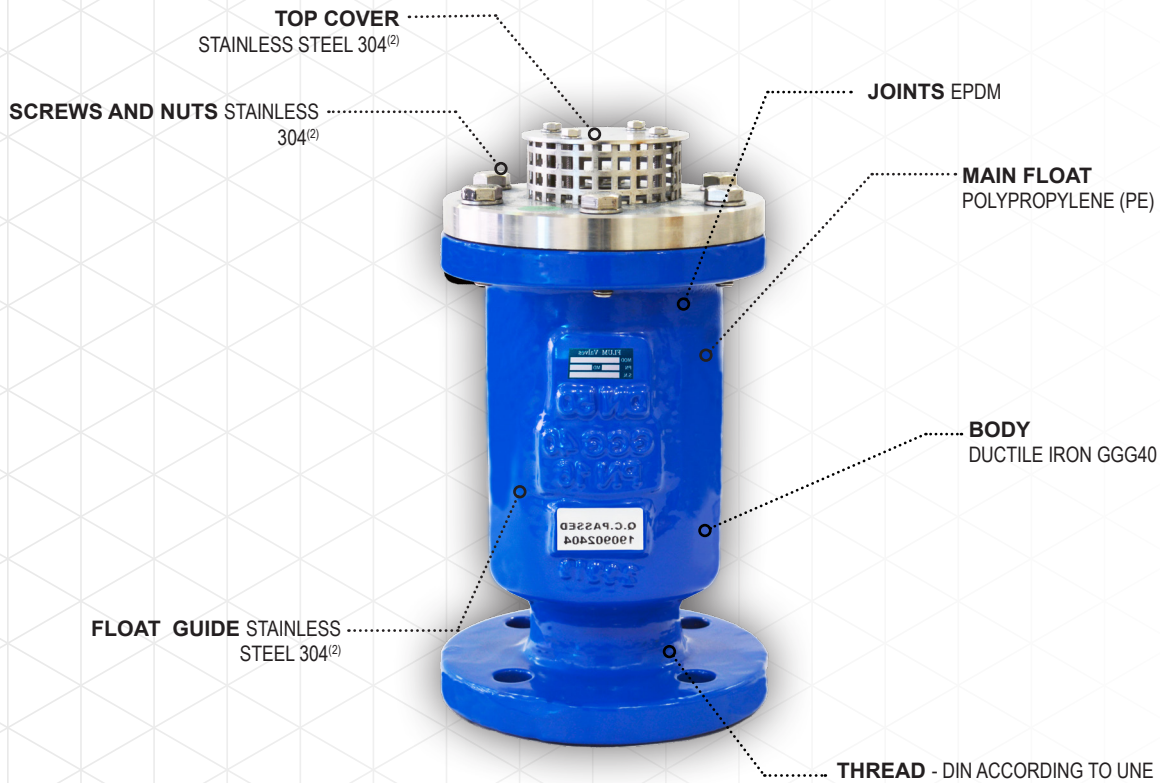
ADMISIÓN



### 4 EFFECT DUCTILE IRON AIR VALVE

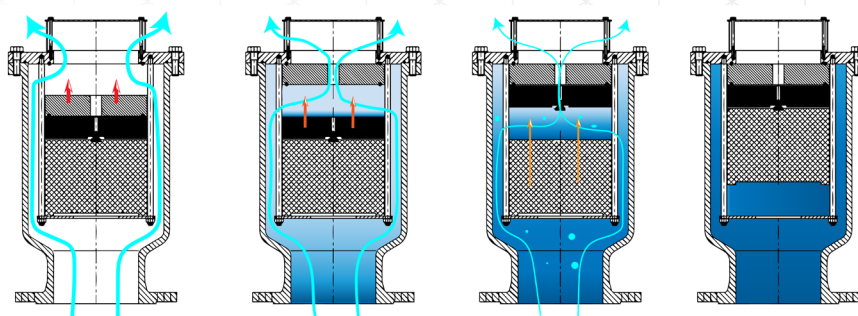
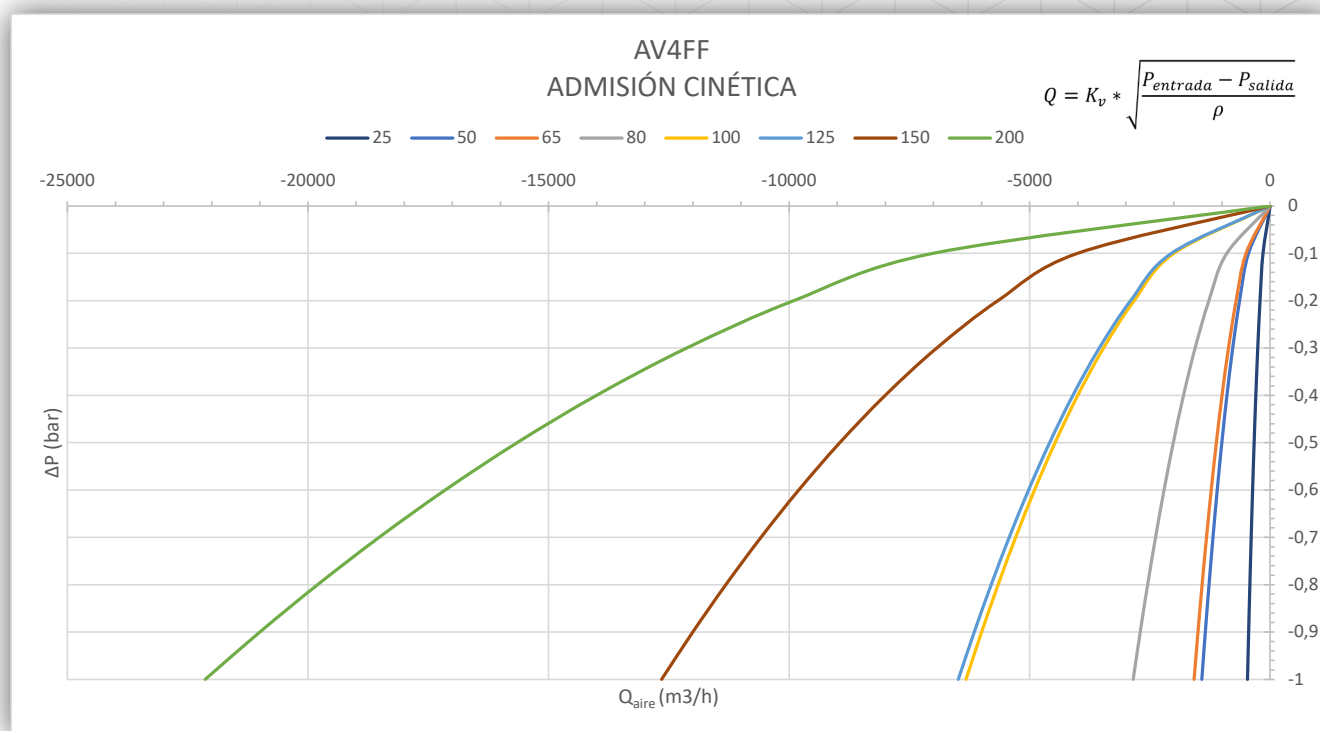
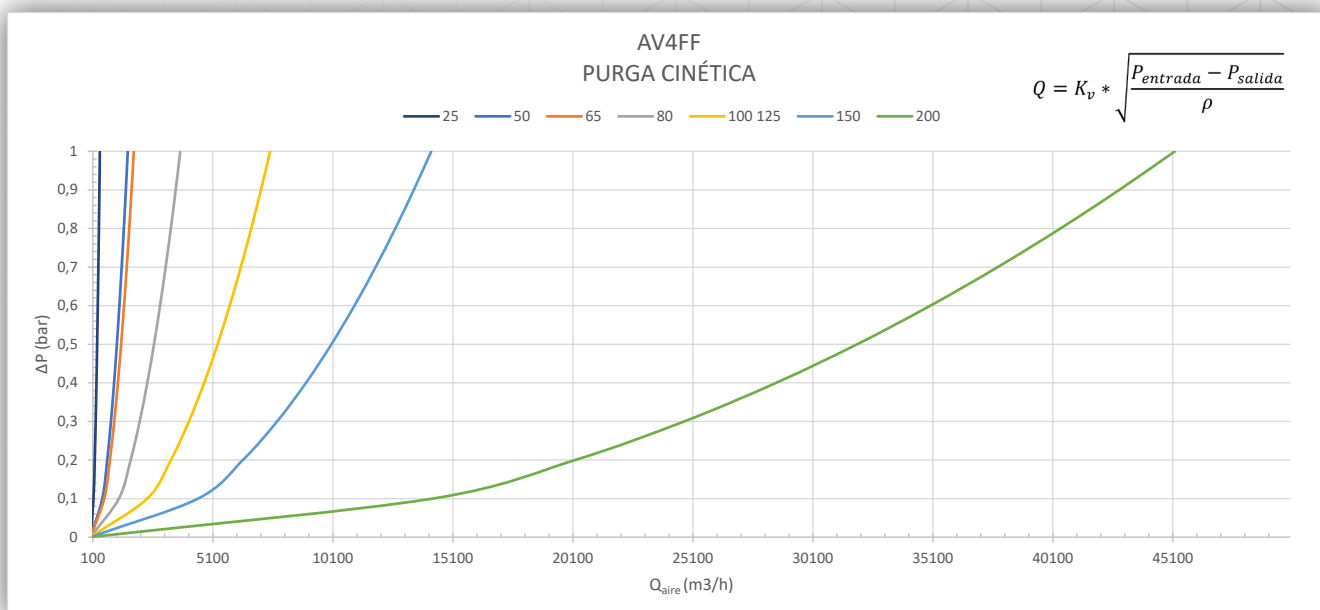
Pipe drain valve with guided float closure.

- Ideal for distribution networks, irrigation systems, feed pipes, changes of slope or high points of the installation.
- Prevent pipe ruptures caused by overpressure and negative pressure during filling and draining of the system.
- Avoids water hammer during filling of the system due to its slow closing system.
- Desing according to EN 1074/4



| DN          |        | Q <sub>MAX</sub><br>PIPE<br>FILLING TO<br>0.6 BAR | K <sub>V</sub><br>PIPE<br>DISCHARGE<br>TO -0.4 BAR | L   | H   | Weight |
|-------------|--------|---------------------------------------------------|----------------------------------------------------|-----|-----|--------|
| mm          | Inch   | m <sup>3</sup> /h                                 | m <sup>3</sup> /h                                  | mm  | mm  | Kg     |
| 25<br>ROSCA | 1" BSP | 300                                               | 300                                                | 105 | 205 | 8      |
| 50<br>ROSCA | 2" BSP | 1200                                              | 900                                                | 155 | 280 | 8.5    |
| 50          | 2"     | 1200                                              | 900                                                | 155 | 280 | 11     |
| 65          | 2 1/2" | 1400                                              | 1000                                               | 155 | 280 | 11.2   |
| 80          | 3"     | 2900                                              | 1800                                               | 200 | 330 | 16.5   |
| 100         | 4"     | 5800                                              | 4000                                               | 230 | 380 | 25     |
| 125         | 5"     | 5800                                              | 4100                                               | 230 | 380 | 28.5   |
| 150         | 6"     | 11000                                             | 8000                                               | 310 | 490 | 50     |
| 200         | 8"     | 35000                                             | 14000                                              | 420 | 580 | 90     |

(1) Flanged option ANSI On order  
(2) Stainless option 316





POLYETHYLENE OUTLET MANIFOLD WITH 6 VALVES HR10 8" Flange PN10

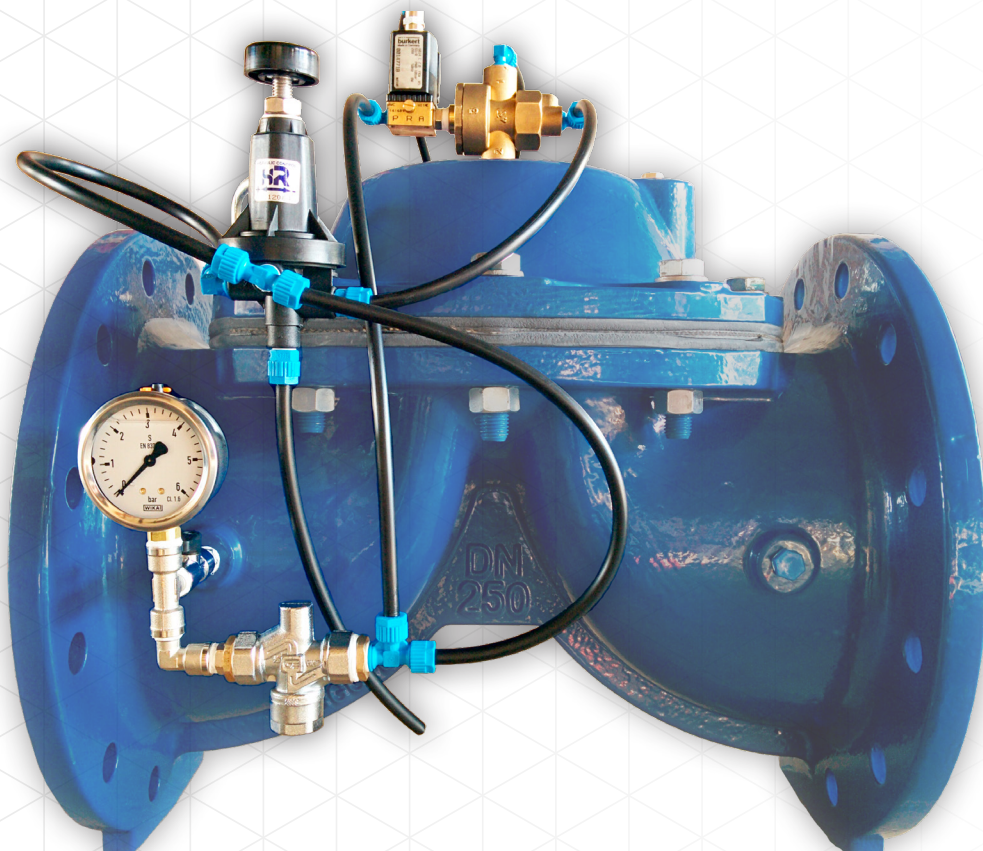


OUR VALVES FOLLOW A RIGOROUS QUALITY CONTROL PROCESS.







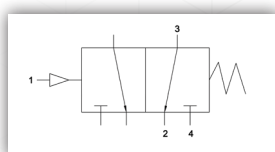
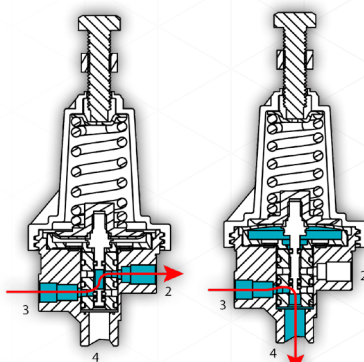


### 3 WAY PRESSURE REDUCING / SUSTAINING PLASTIC PILOT

- Control pilot for general use for regulation valve.
- Can be installed with mounting for pressure reducing valve or pressure sustaining valve.
- Precise pressure control by actuating the screw.
- 3 working pressure ranges (PN4, PN6 y PN10).



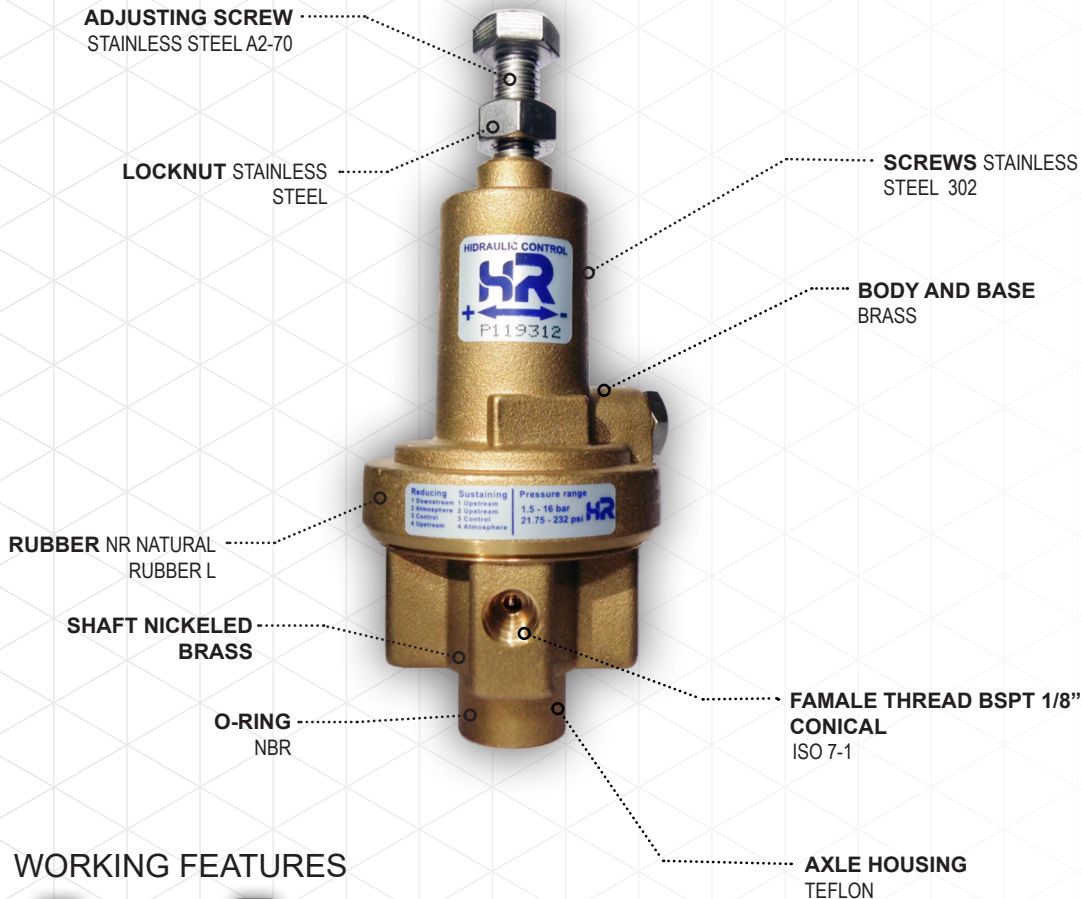
#### WORKING FEATURES



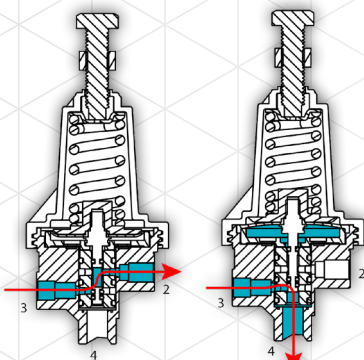
| PN  |     | Spring color | Work range | Cross sectional area | L   | H  | Weight |
|-----|-----|--------------|------------|----------------------|-----|----|--------|
| bar | psi |              | bar        | mm                   | mm  |    | gr     |
| 4   | 58  | ●            | 0.3-4.5    | 3.6                  | 150 | 62 | 207    |
| 6   | 87  | ●            | 0.8-6      |                      |     |    |        |
| 10  | 145 | ●            | 1-10       |                      |     |    |        |

### 3 WAY PRESSURE REDUCING / SUSTAINING BRASS PILOT

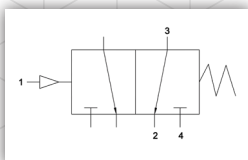
- Control pilot for regulation valve.
- Can be installed with mounting for pressure reducing valve or pressure sustaining valve.
- Precise pressure control by actuating the screw.
- Maximum pressure 16 bar



#### WORKING FEATURES



Pressure in 1 pilot chamber (Take N° 1)



| PN  |     | Spring color | Work range | Cross sectional area | L   | H  | Weight |
|-----|-----|--------------|------------|----------------------|-----|----|--------|
| bar | psi |              |            |                      |     |    |        |
| 16  | 232 | ●            | 1.5-16     | 3.6                  | 150 | 60 | 841    |

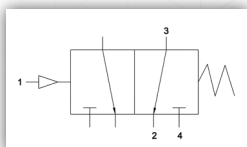
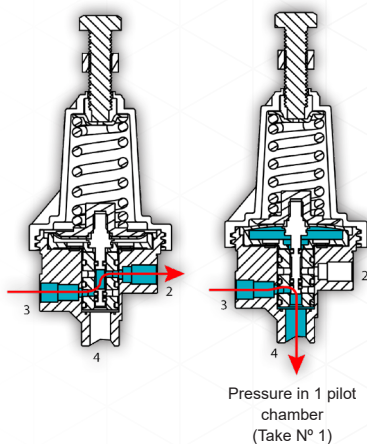


### 3 WAY PRESSURE REDUCING / SUSTAINING PLASTIC PILOT

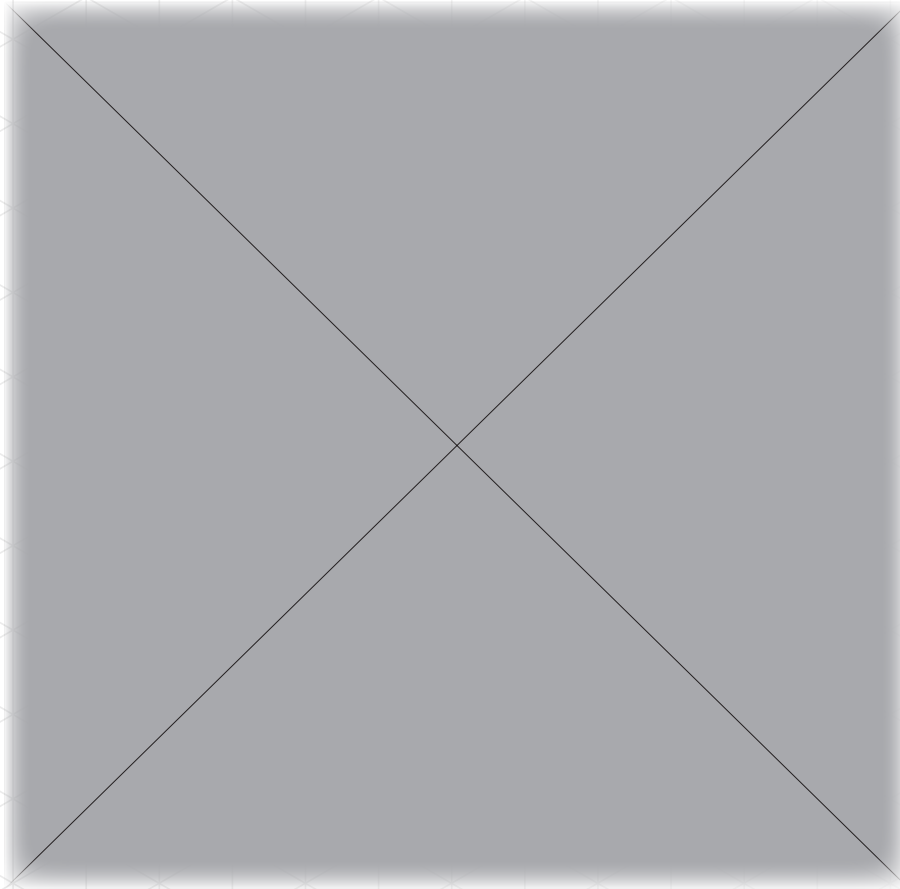
- Control pilot for regulation valve.
- Can be installed with mounting for pressure reducing valve or pressure sustaining valve.
- Precise pressure control by actuating the screw.
- Acts faster and with greater stability.
- 3 working pressure ranges (PN4, PN6 y PN10).



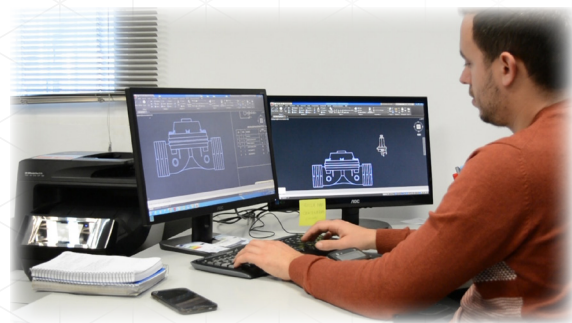
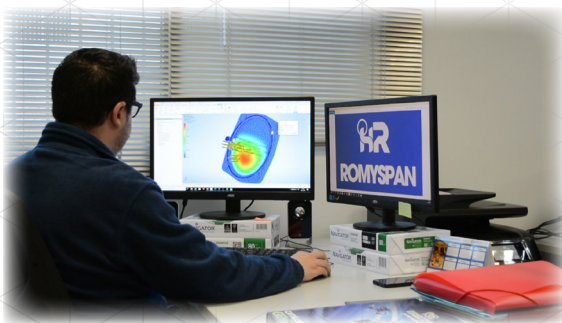
#### WORKING FEATURES



| PN  |     | Spring color | Work range | Cross sectional area | L   | H  | Weight |
|-----|-----|--------------|------------|----------------------|-----|----|--------|
| bar | psi |              |            |                      |     |    |        |
| 4   | 58  | ●            | 0.3-4.5    | 5                    | 150 | 62 | 207    |
| 6   | 87  | ●            | 0.8-6      |                      |     |    |        |
| 10  | 145 | ●            | 1-10       |                      |     |    |        |



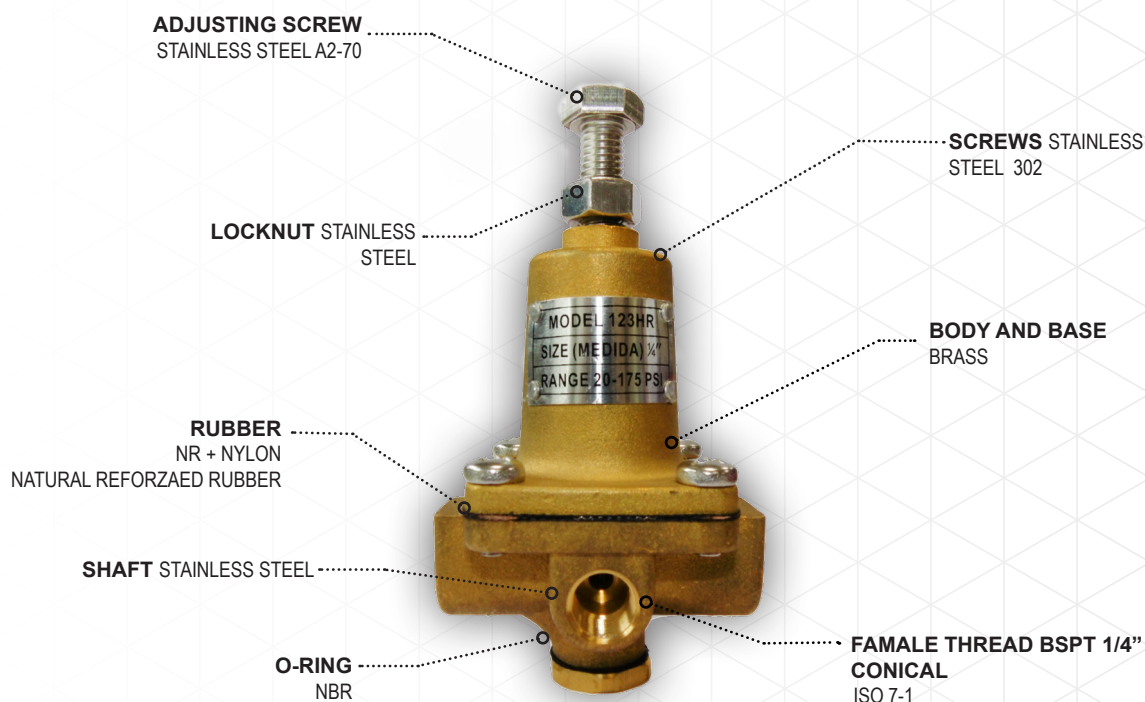
ROMYSPAN HYDRAULICS HAS TEST BENCHES FOR THE HOMOLOGATION AND SIMULATION OF NEW PRODUCTS.



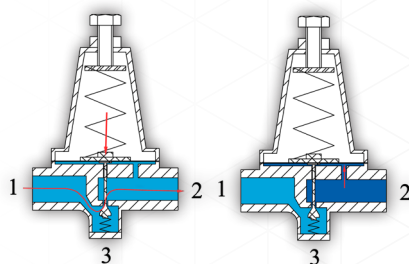
Our R+D+I department ( Research, development and innovation), led by our engineers, is in continuous evolution, taking care of all the technical details to obtain the best results in each and very one of our products.

### 2 WAY PRESSURE REDUCING BRASS PILOT

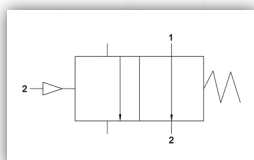
- Control pilot for regulation valve.
- Can be installed with mounting for pressure reducing valve.
- Precise pressure control by actuating the screw.
- Maximun pressure 12 bar.
- Has a scocket to install downstream pressure gauges on the pilot itself.
- Regulates in static and dynamic.



### WORKING FEATURES



Pressure in 2 greater than i 1 the pilot closes

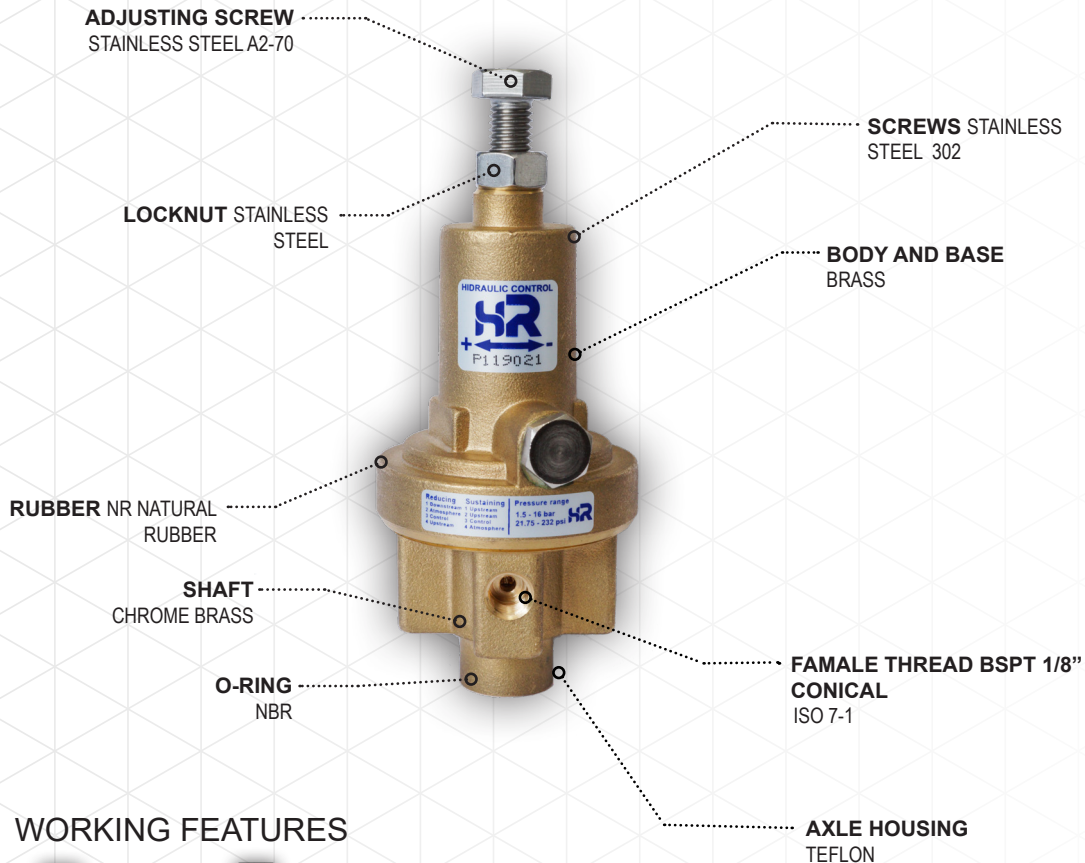


| PN  |     | Spring color | Work range | Cross sectional area | L   | H  | Weight |
|-----|-----|--------------|------------|----------------------|-----|----|--------|
| bar | psi |              |            |                      |     |    |        |
| 12  | 174 | ●            | 1.5-12     | 5                    | 130 | 68 | 642    |

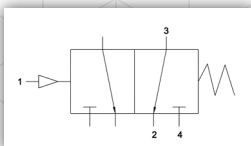
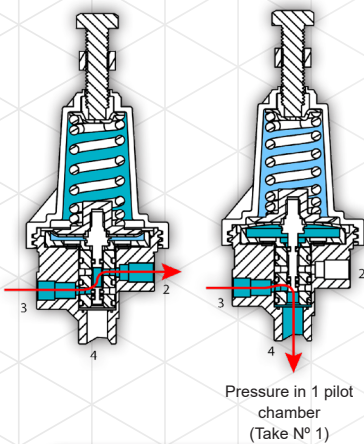


### BRASS FLOW LIMITER PILOT

- Flow control pilot for limiting valve.
- Can be installed with mounting for pressure reducing valve or pressure sustaining valve.
- Precise pressure control by actuating the screw.
- Maximum pressure 16 bar



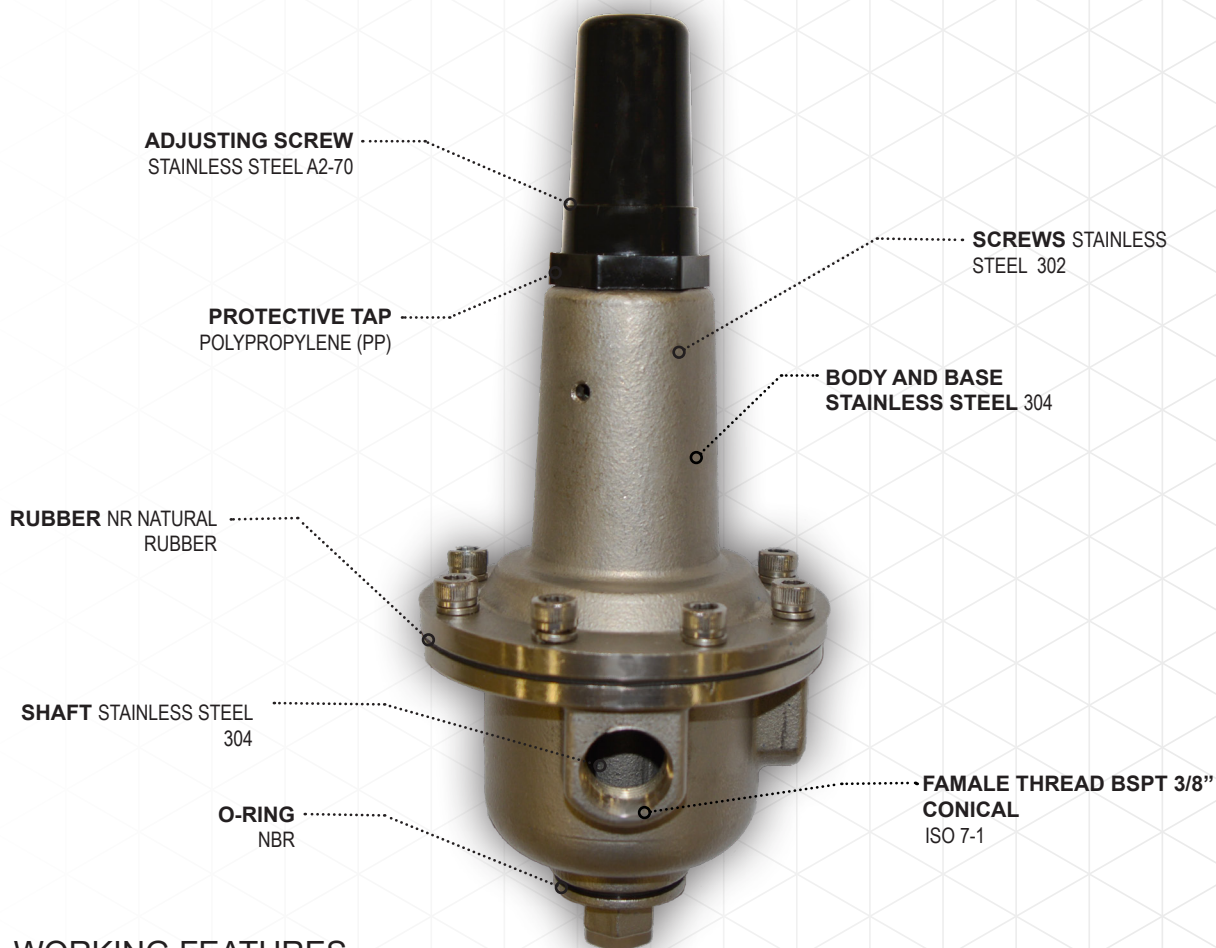
### WORKING FEATURES



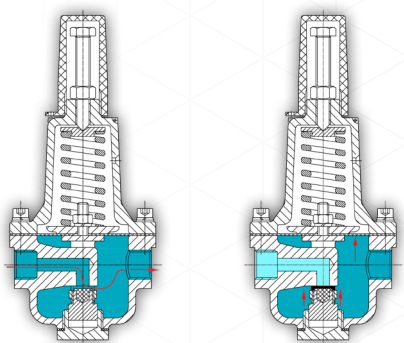
| PN  |     | Spring color | Work range | Cross sectional area | L   | H  | Weight |
|-----|-----|--------------|------------|----------------------|-----|----|--------|
| bar | psi |              | bar        | mm                   | mm  | mm | gr     |
| 16  | 232 | ●            | 1.5-16     | 3.6                  | 150 | 60 | 841    |

### STAINLESS STEEL 2 WAY REDUCIG PILOT

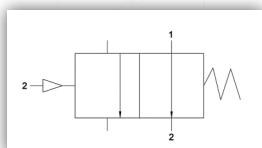
- Robust control pilot for control valve.
- Precise pressure control by actuating the screw.
- Maximun pressure 25 bar
- Great section of passage, fast operation for large valve sizes.



### WORKING FEATURES



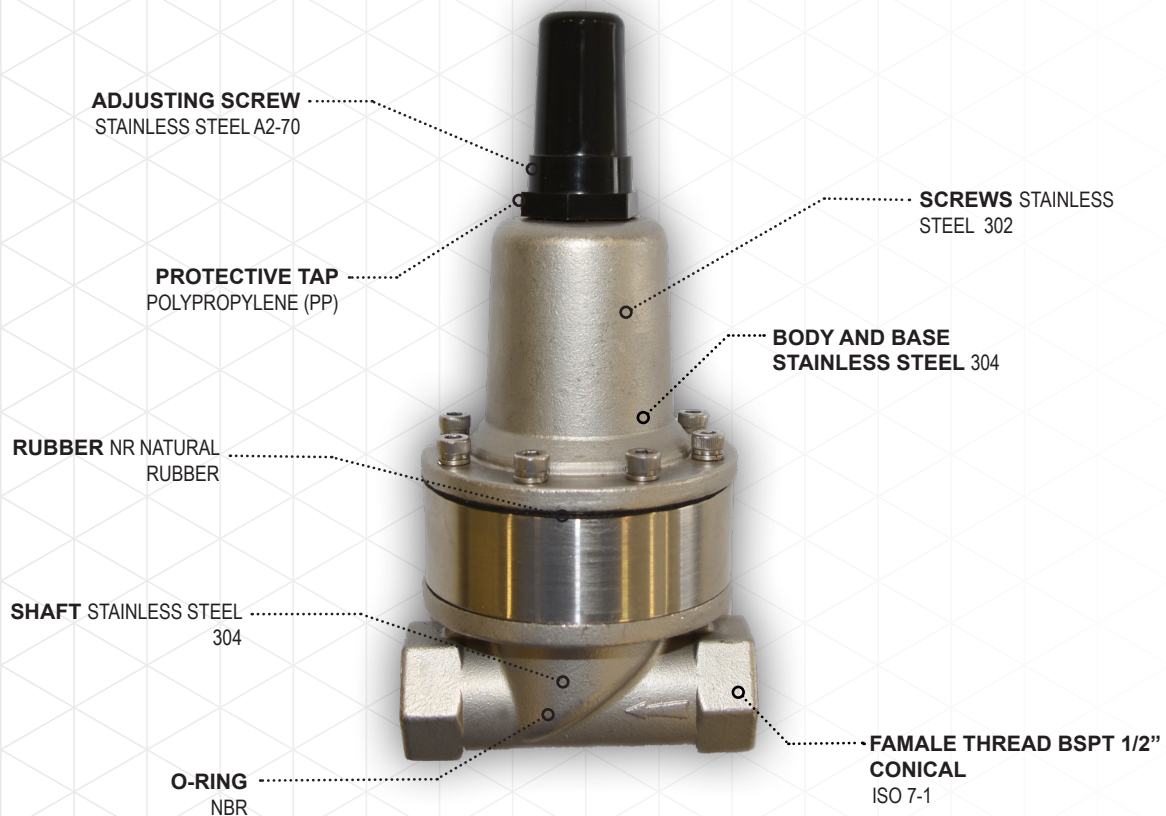
Pressure in 2 greater than i 1 the pilot closes



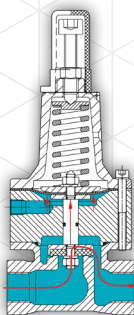
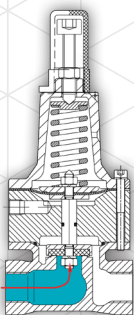
| PN  |       | Spring color | Work range | Cross sectional area | L   | H  | Weight |
|-----|-------|--------------|------------|----------------------|-----|----|--------|
| bar | psi   |              | bar        | mm                   | mm  | mm | gr     |
| 16  | 232   | ●            | 1.5-16     | 6                    | 178 | 80 | 923    |
| 25  | 362.6 | ●            | 1.5-25     | 6                    | 178 | 80 | 923    |

### PILOT HOLDER 2 WAY STAINLESS

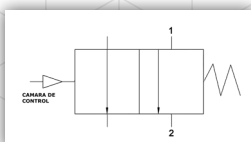
- Robust control pilot for control valve.
- Precise pressure control by actuating the screw.
- Maximum pressure 25 bar.
- Large passage section, capable of relieving large volumes.



### WORKING FEATURES



ENOUGH PRESSURE  
IN THE CHAMBER THE  
PILOT OPENS

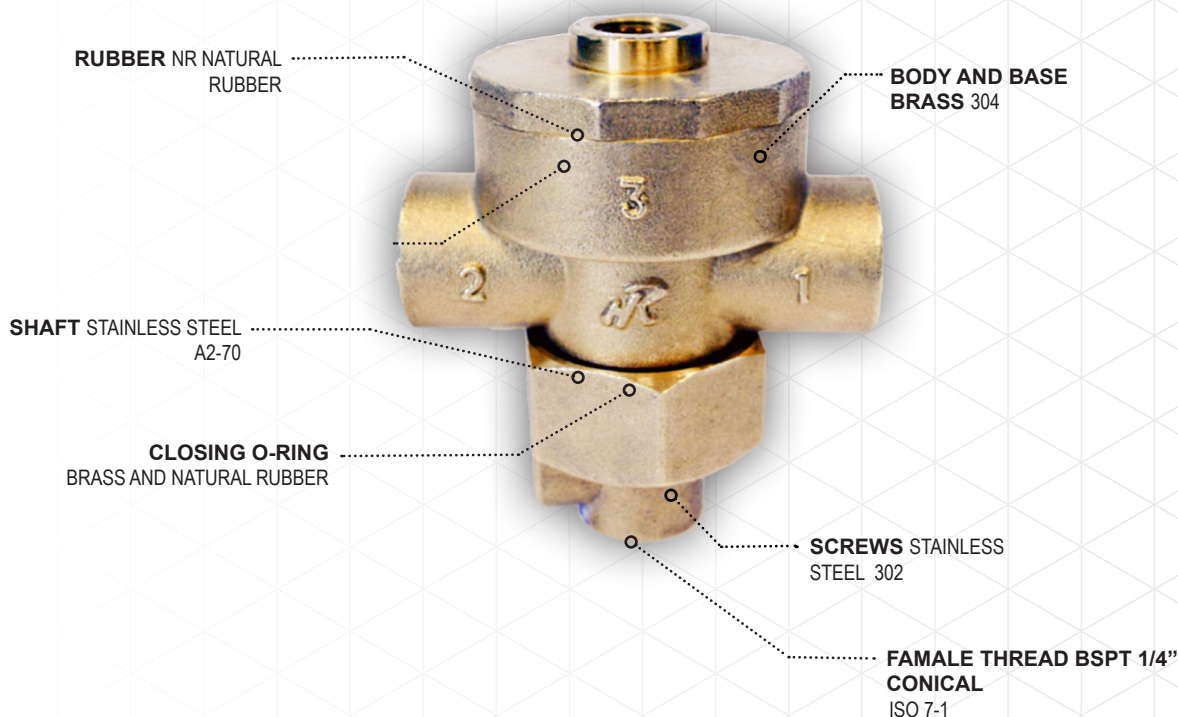


| PN  |       | Spring<br>color | Work<br>range | Cross<br>sectional<br>area | L   | H  | Weight |
|-----|-------|-----------------|---------------|----------------------------|-----|----|--------|
| bar | psi   |                 |               |                            |     |    |        |
| 16  | 232   | ●               | 1.5-16        | 6                          | 190 | 91 | 2.2    |
| 25  | 362.6 | ●               | 1.5-25        | 6                          | 190 | 91 | 2.2    |

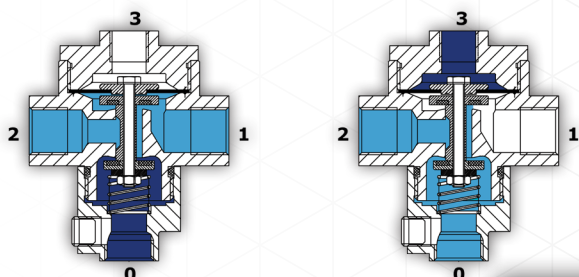


### HYDRAULIC CONTROL RELAY

- Greater step than solenoid and pilot.
- Ideal for valves that need quick openings and closures.
- Robust desing.
- Use for remote valve opening and closing, hydraulic controller.
- Speed up opening and closing.
- Compensate for heights.

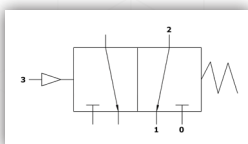


### WORKING FEATURES

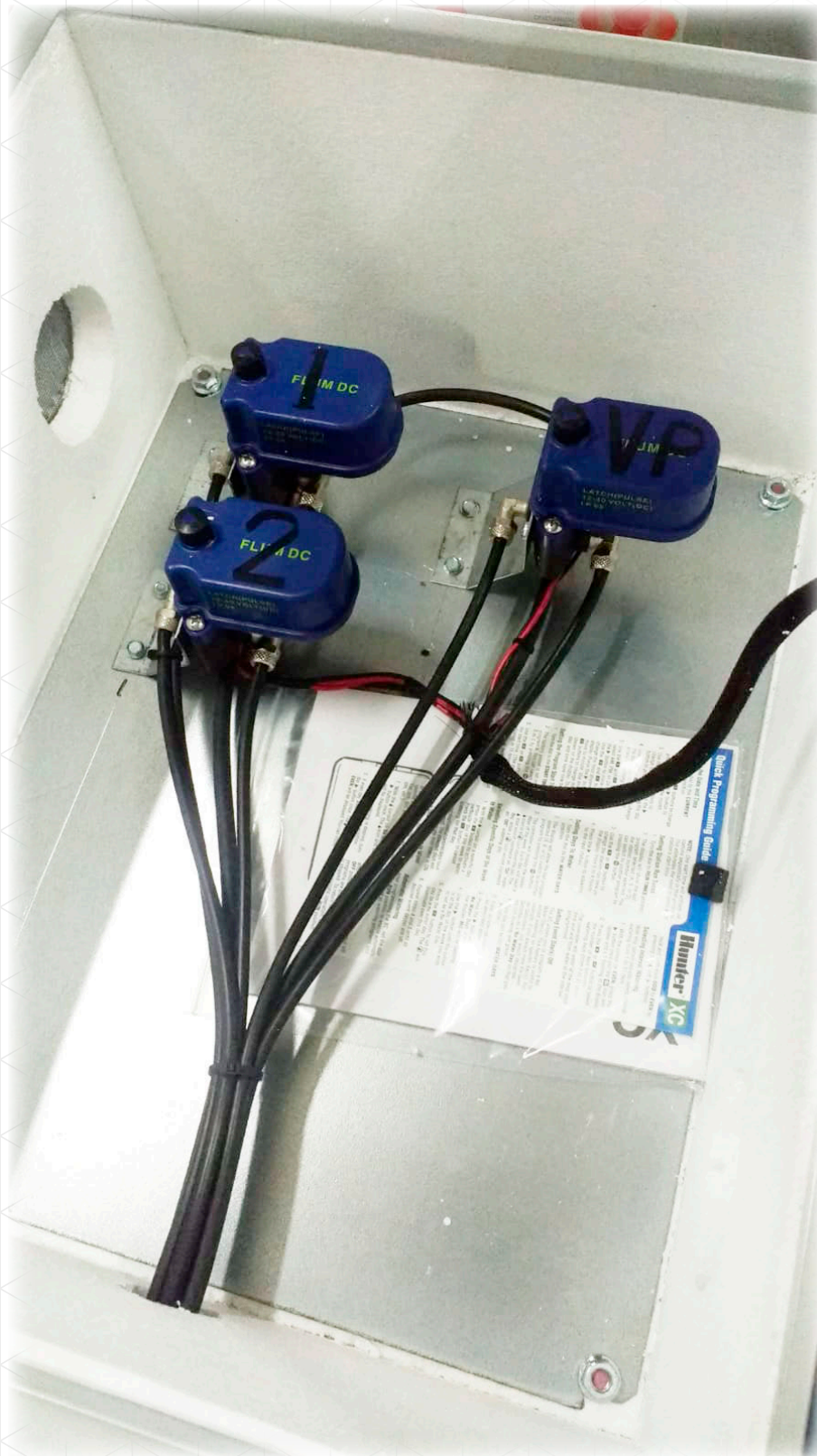


0 to Pressure  
1 to Drainage  
2 to valve chamber  
3 relay chamber

SUFFICIENT PRESSURE IN THE CHAMBER THE RELAY CONNECTS THE VALVE CHAMBER TO PRESSURE. THE VALVE CLOSSES



| PN  |     | Spring color | Work range | Cross sectional area | L  | H  | Weight |
|-----|-----|--------------|------------|----------------------|----|----|--------|
| bar | psi |              | bar        | mm                   | mm | mm | gr     |
| 16  | 232 | Blue         | 1.5-16     | 7                    | 78 | 68 | 580    |

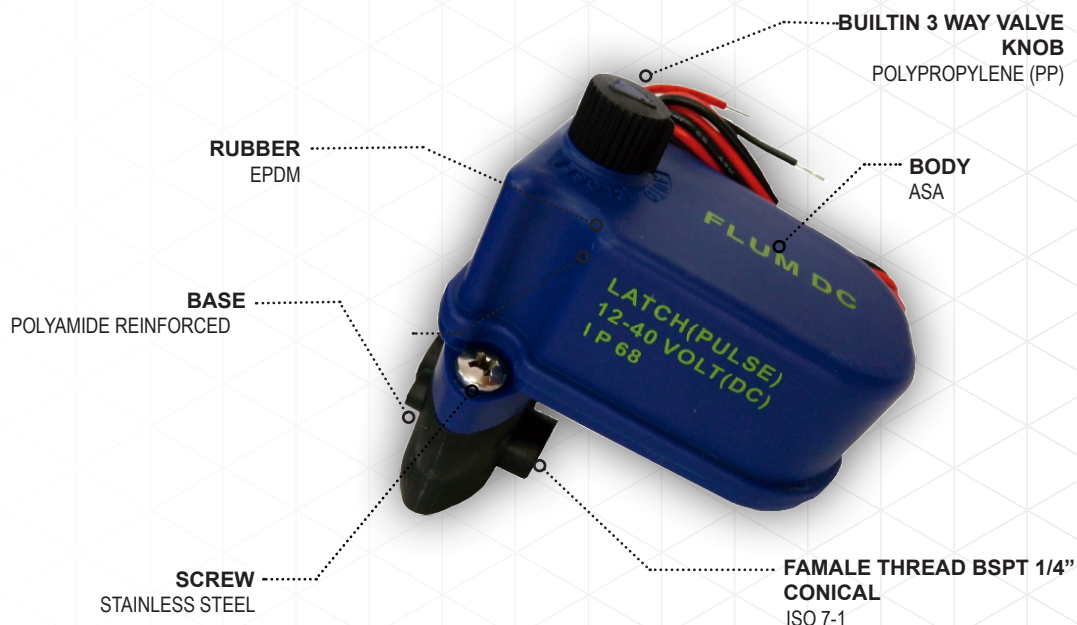


CENTRALIZATION OF FLUM LATCH TYPE SOLENOIDS

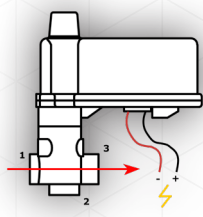
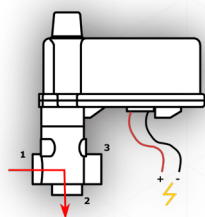
## FLUM VDC 12-40 LATCH SOLENOID

PN8.

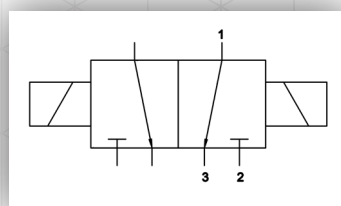
- Low power consumption.
- It has included 3 way valve
- It can use as NO and NC.
- High performance engine.



## WORKING FEATURES



- 1 to Valve chamber (Common)  
2 to Pressure (N.O.) or to Drainage (N.C.)  
3 to Drainage (N.O.) or to Pressure (N.C.)



| PN  |     | Voltage range | Tigger current | Change of position time | Cross section | L  | H  | W  | Weight |
|-----|-----|---------------|----------------|-------------------------|---------------|----|----|----|--------|
| bar | psi | Volt          | Ampere         | milliseconds            | mm            | mm | mm | mm | gr     |
| 8   | 145 | 12-40         | 1.2            | 80-500                  | 2             | 86 | 87 | 65 | 126    |

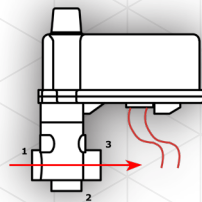
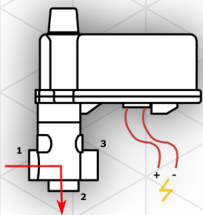


**FLUM 24 VAC SALENOID**

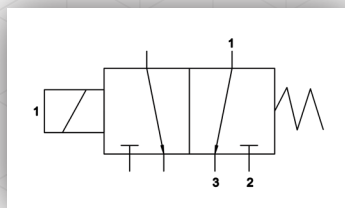
- Low power consumption.
- It has included 3 way valve
- It can use as NO and NC.
- High performace engine.



**WORKING FEATURES**



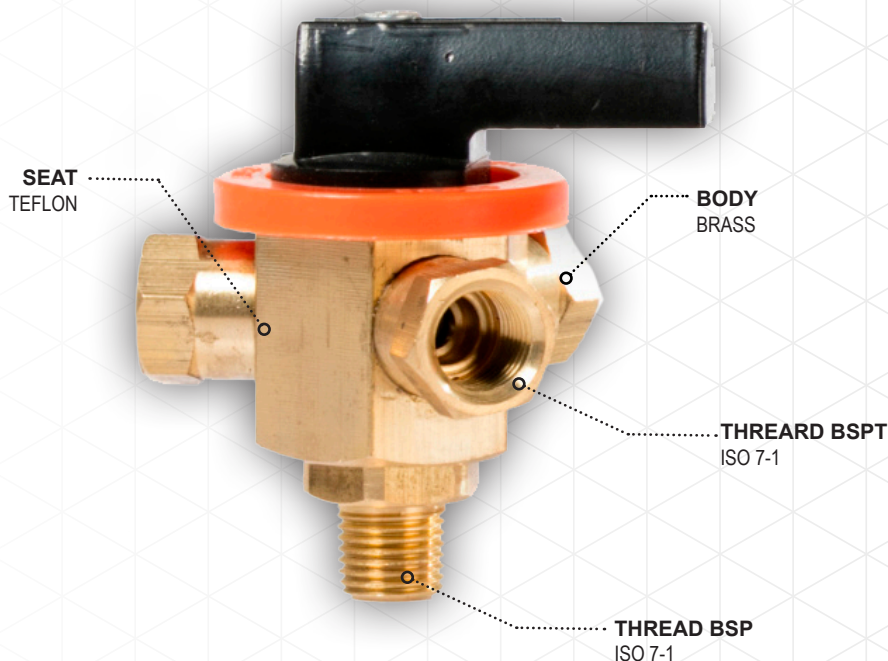
- 1 to Valve chamber (Common)  
 2 to Pressure (N.O.) or to Drainage (N.C.)  
 3 to Drainage (N.O.) ot to Presssure (N.C.)



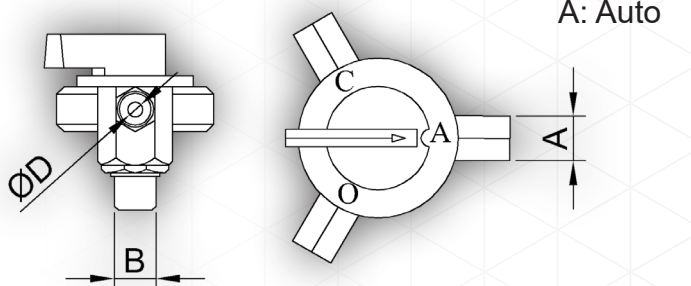
| PN  |     | Voltage range | Tigger current | Change of position time | Cross section | L  | H  | W  | Weight |
|-----|-----|---------------|----------------|-------------------------|---------------|----|----|----|--------|
| bar | psi | Voltios       | Ampere         | seconds                 | mm            | mm | mm | mm | gr     |
| 8   | 145 | 24 AC         | 0.07           | 2-3                     | 2             | 86 | 87 | 65 | 140    |

#### BRASS 3 WAY VALVE

- Position AUTO, OPEN Y CLOSE
- PN16.
- Variety of sizes and connections



#### WORKING FEATURES



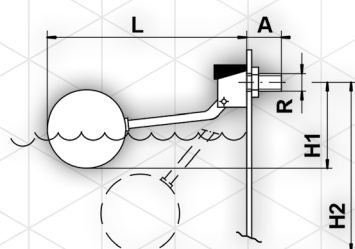
C: Close  
O: Open  
A: Auto

| PN  |     | A    |             | B | D   | Weight |
|-----|-----|------|-------------|---|-----|--------|
| bar | psi | Inch | Thread      |   | mm  | gr     |
| 16  | 232 | 1/8" | 1/8"        |   | 3.5 | 126    |
| 16  | 232 | 1/8" | 1/4"        |   | 3.5 | 135    |
| 16  | 232 | 1/8" | Female 1/4" |   | 3.5 | 126    |
| 16  | 232 | 1/4" | 1/4"        |   | 6   | 240    |



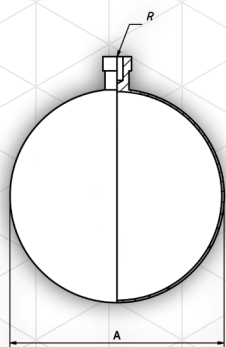
### SINGLE ACTING FLOAT VALVE

- PN10.
- STAINLESS STEEL MECHANISM
- TOTAL PASS
- SILICONE SEAL
- POLYETHYLENE BUOY (AVAILABLE IN OTHER MATERIALS SUCH AS STAINLESS STEEL, CHROME-PLATED ETC).
- COLD WATER (UP TO 40°C)



| PASS | DIMENSIONS |    |     |     |     | MASS WITHOUT BUOY | Ø SPHERICAL BUOY |
|------|------------|----|-----|-----|-----|-------------------|------------------|
|      | R          | A  | L   | H1  | H2  |                   |                  |
| mm   | Inch       | mm |     |     |     | kg                | mm               |
| 10   | 3/8"       | 32 | 316 | 132 | 260 | 0.107             | 90               |
| 15   | 1/2"       | 35 | 422 | 180 | 370 | 0.175             | 110              |
| 20   | 3/4"       | 42 | 513 | 207 | 420 | 0.3               | 160              |
| 25   | 1"         | 45 | 593 | 220 | 496 | 0.366             | 160              |
| 32   | 1 1/4"     | 53 | 611 | 235 | 496 | 0.464             | 160              |

| PASS     | FLOW RATE (l/s) |       |       |        |       |       |       |
|----------|-----------------|-------|-------|--------|-------|-------|-------|
|          | PRESSURE (bar)  |       |       |        |       |       |       |
| Pulgadas | 1               | 2     | 3     | 4      | 6     | 8     | 10    |
| 3/8"     | 0.314           | 0.464 | 0.529 | 0.6025 | 0.738 | 0.785 | 0.856 |
| 1/2"     | 0.786           | 1.111 | 1.360 | 1.571  | 1.886 | 2.216 | 2.483 |
| 3/4"     | 1.344           | 1.901 | 2.325 | 2.688  | 3.279 | 3.887 | 4.247 |
| 1"       | 1.926           | 2.755 | 3.374 | 3.908  | 4.769 | 5.460 | 6.096 |
| 1 1/4"   | 2.022           | 2.893 | 3.543 | 4.103  | 5.007 | 5.732 | 6.403 |



| Ø A | R     | Weight |
|-----|-------|--------|
| mm  | mm    | kg     |
| 90  | M6    | 0.056  |
| 110 | M6    | 0.074  |
| 130 | 7/100 | 0.103  |
| 160 | M8    | 0.216  |
| 160 | 8/100 | 0.216  |
| 200 | M8    | 0.383  |
| 200 | 9/100 | 0.383  |
| 230 | 9/100 | 0.605  |



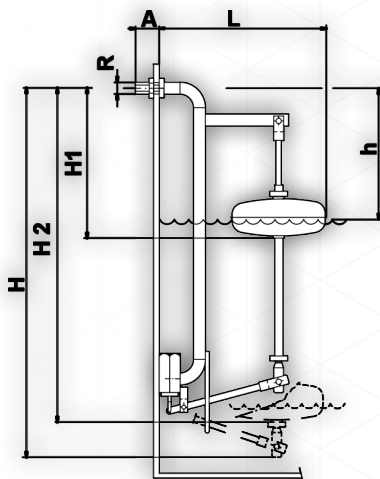
# SINGLE ACTING FLOAT VALVE

- PN10.
- STAINLESS STEEL MECHANISM.
- TOTAL PASS
- SILICONE SEAL
- POLYETHYLENE BUOY (AVAILABLE IN OTHER MATERIALS SUCH AS STAINLESS STEEL, CHROME-PLATED ETC).
- COLD WATER (UP TO 40°C)



| PASS | DIMENSIOIS |    |     |     |     | MASS WITHOUT BOUY | Ø SPHERICAL BUOY |
|------|------------|----|-----|-----|-----|-------------------|------------------|
|      | R          | A  | L   | H1  | H2  |                   |                  |
| mm   | Inch       | mm |     |     |     | kg                | mm               |
| 10   | 3/8"       | 32 | 316 | 132 | 260 | 0.107             | 90               |
| 15   | 1/2"       | 35 | 422 | 180 | 370 | 0.175             | 110              |
| 20   | 3/4"       | 42 | 513 | 207 | 420 | 0.3               | 160              |
| 25   | 1"         | 45 | 593 | 220 | 496 | 0.366             | 160              |
| 32   | 1 1/4"     | 53 | 611 | 235 | 496 | 0.464             | 160              |

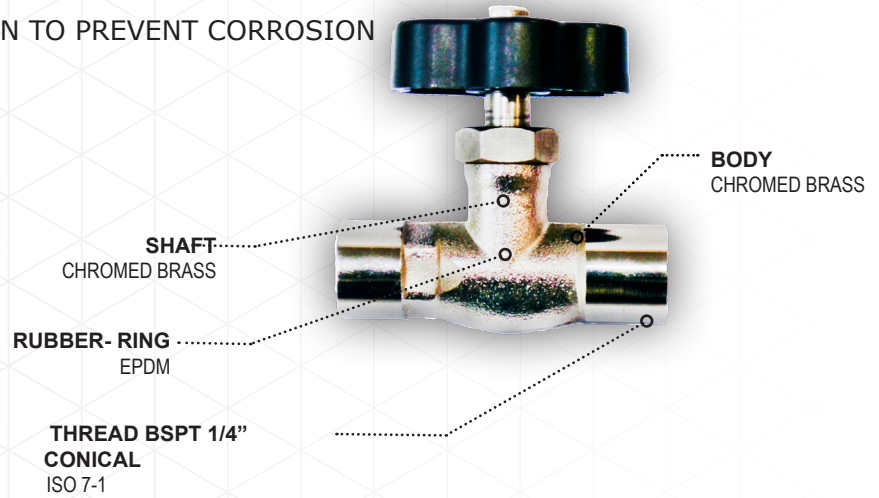
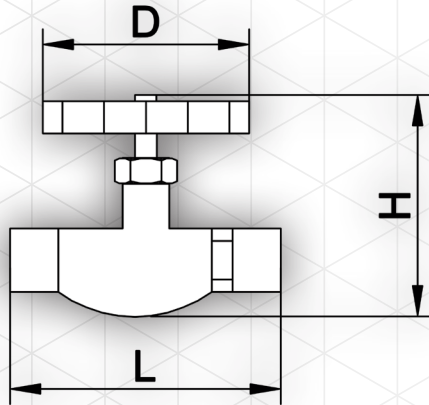
| PASS   | FLOW RATE (l/s) |       |       |        |       |       |       |
|--------|-----------------|-------|-------|--------|-------|-------|-------|
|        | PRESSURE (bar)  |       |       |        |       |       |       |
| Inch   | 1               | 2     | 3     | 4      | 6     | 8     | 10    |
| 3/8"   | 0.314           | 0.464 | 0.529 | 0.6025 | 0.738 | 0.785 | 0.856 |
| 1/2"   | 0.786           | 1.111 | 1.360 | 1.571  | 1.886 | 2.216 | 2.483 |
| 3/4"   | 1.344           | 1.901 | 2.325 | 2.688  | 3.279 | 3.887 | 4.247 |
| 1"     | 1.926           | 2.755 | 3.374 | 3.908  | 4.769 | 5.460 | 6.096 |
| 1 1/4" | 2.022           | 2.893 | 3.543 | 4.103  | 5.007 | 5.732 | 6.403 |



| Ø A | R     | Weight |
|-----|-------|--------|
| mm  | mm    | kg     |
| 90  | M6    | 0.056  |
| 110 | M6    | 0.074  |
| 130 | 7/100 | 0.103  |
| 160 | M8    | 0.216  |
| 160 | 8/100 | 0.216  |
| 200 | M8    | 0.383  |
| 200 | 9/100 | 0.383  |
| 230 | 9/100 | 0.605  |

## NICKELED BRASS NEEDLE VALVE

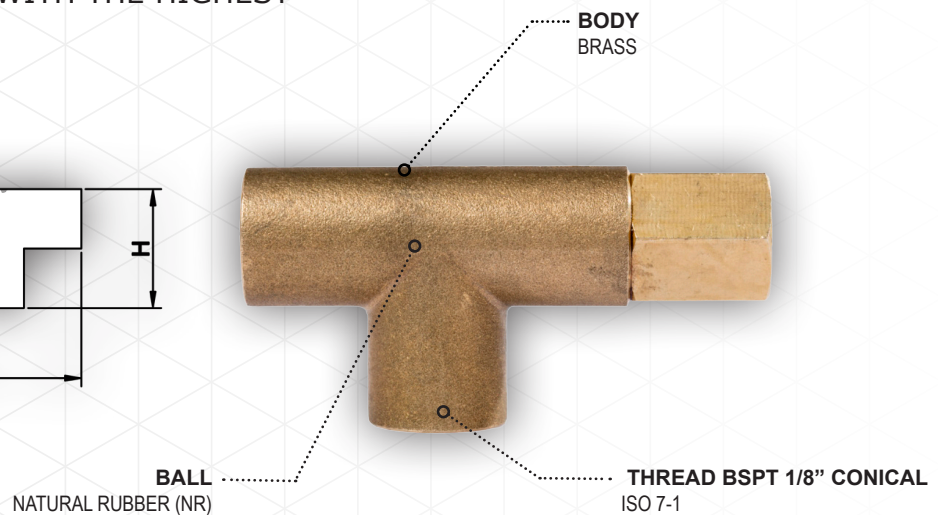
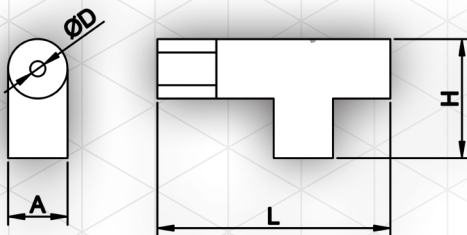
- PRECISE FLOW RATE ADJUSTMENT
- PN16.
- BRASS BODY WITH NICKEL PLATING TO PREVENT CORROSION



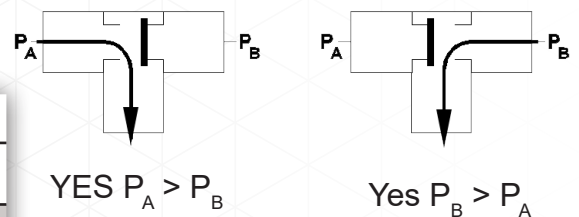
| PN  |     | Maximum cross section | L  | H  | D  | Weight |
|-----|-----|-----------------------|----|----|----|--------|
| bar | psi | mm                    | mm | mm | mm | gr     |
| 16  | 232 | 5.4                   | 56 | 58 | 44 | 100    |

## BRASS SELECTOR T

- SELECT THE INPUT WITH THE HIGHEST PRESSURE
- PN16.



### WORKING FEATURES

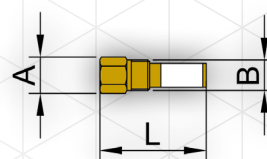
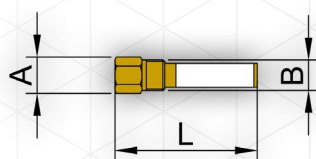
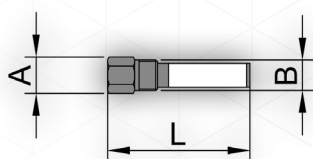
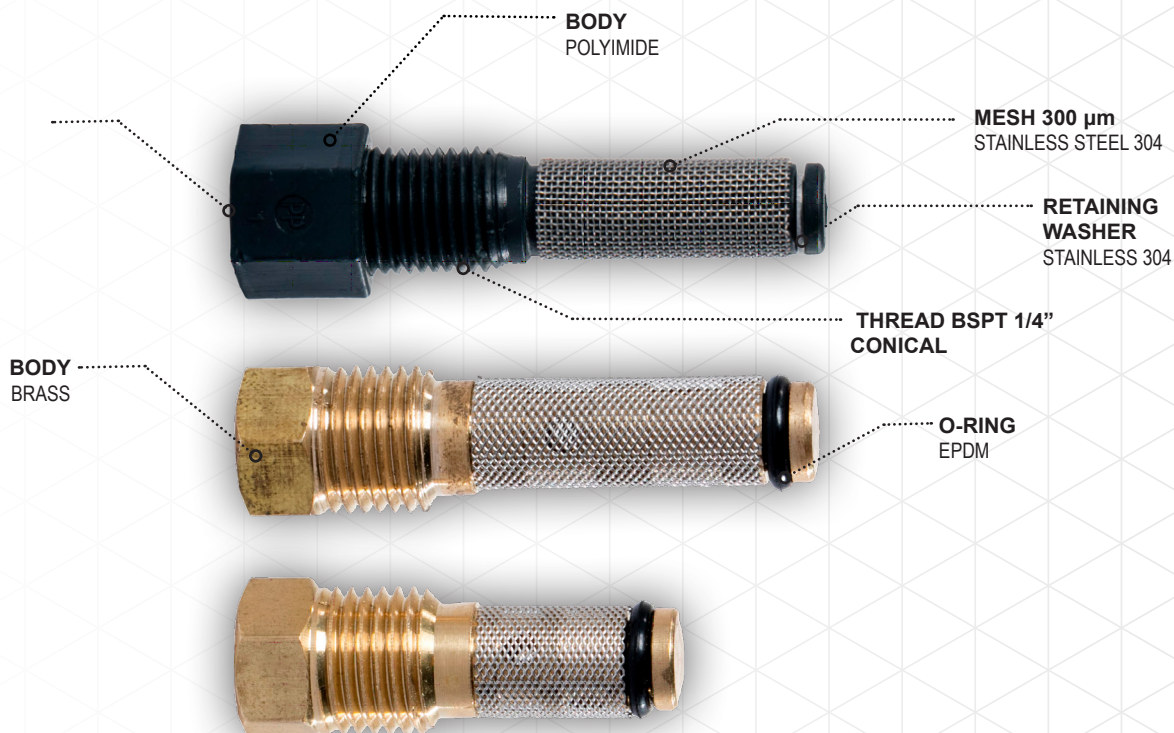


| PN  |     | Cross section (D) | A  | L  | H  | Weight |
|-----|-----|-------------------|----|----|----|--------|
| bar | psi | mm                | mm | mm | mm | gr     |
| 16  | 232 | 4                 | 18 | 66 | 33 | 127    |

#### FILTERS FOR HYDRAULIC VALVES

- SELF CLEANING
- PROTECTS THE ASSEMBLY FROM UNWATED OBSTRUCTIONS

THREAD BSPT 1/8"  
CONICAL  
ISO 7-1

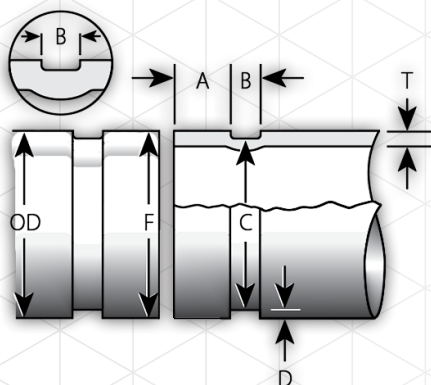


| MATERIAL | Cross section (D) | A              | B    | L  | Weight |
|----------|-------------------|----------------|------|----|--------|
| -        | mm                | Thread measure |      | mm | gr     |
| Plastic  | 5                 | 1/8"           | 1/4" | 60 | 8      |
| Brass    | 7                 | 1/8"           | 1/4" | 50 | 19     |
| Brass    | 7                 | 1/8"           | 1/4" | 38 | 15     |



### GROOVES COUPLING

- PN16.
- EASY INSTALLATION
- ROBUST AND DURABLE BODY
- DIMENSIONS ACCORDING TO VICTAULIC® STANDARD



SCREWS GALVANIZED <sup>(1)</sup>

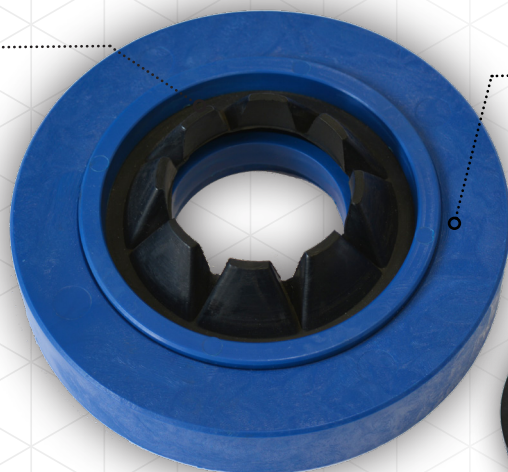


| DN  |      | OD    | A     | B    | C      | Weight |
|-----|------|-------|-------|------|--------|--------|
| mm  | Inch | mm    | mm    | mm   | mm     | gr     |
| 50  | 2"   | 60.3  | 15.88 | 8.74 | 57.15  | 690    |
| 80  | 3"   | 88.9  | 15.88 | 8.74 | 84.94  | 840    |
| 100 | 4"   | 114.3 | 15.88 | 8.74 | 110.08 | 1100   |
| 150 | 6"   | 168.3 | 15.88 | 8.74 | 163.96 | 1700   |

### DYNAMIC DISC

- PN16.
- LIMITS PRESSURE AND FLOW.

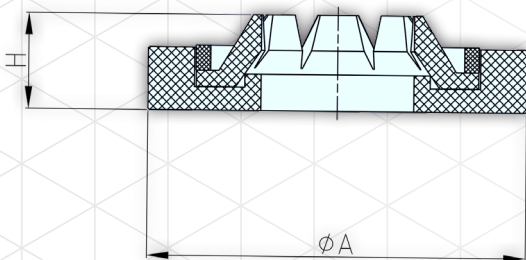
RUBBER  
NATURAL RUBBER (NR)



BODY  
TEFLON

RUBBER  
NATURAL RUBBER (NR)

BODY  
BRASS



| DN  |      | MATERIAL | A   | H    | Weight |
|-----|------|----------|-----|------|--------|
| mm  | Inch | -        | mm  | mm   | gr     |
| 50  | 2"   | Latón    | 70  | 16.5 | 64     |
| 80  | 3"   | Teflón   | 136 | 35   | 347    |
| 100 | 4"   | Teflón   | 157 | 38.5 | 587    |

(1) Stainless option A2-70

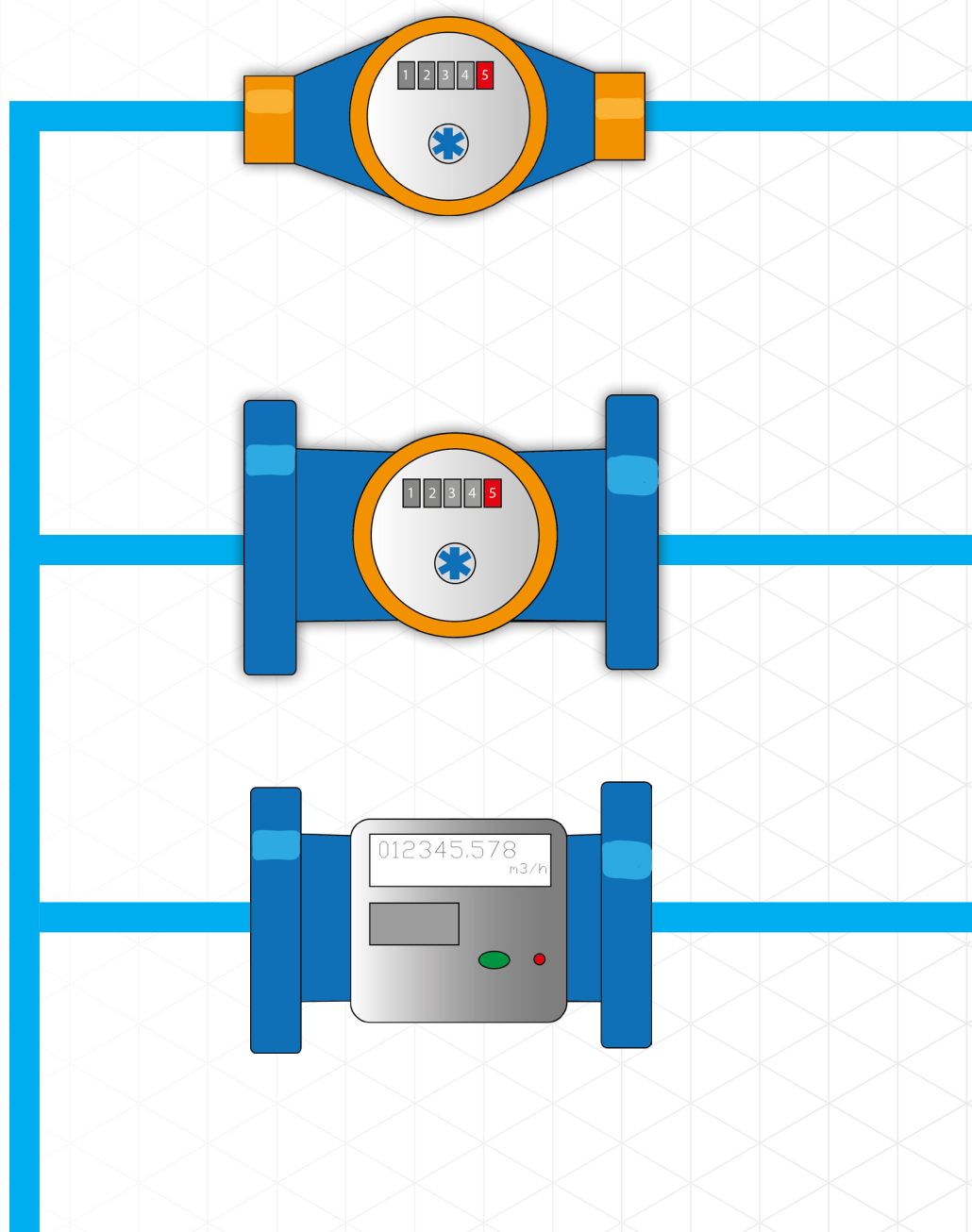


WE MAKE ALL TYPES OF ASSEMBLIES, IN  
POLYETHYLENE AND COPPER MICRO TUBING.





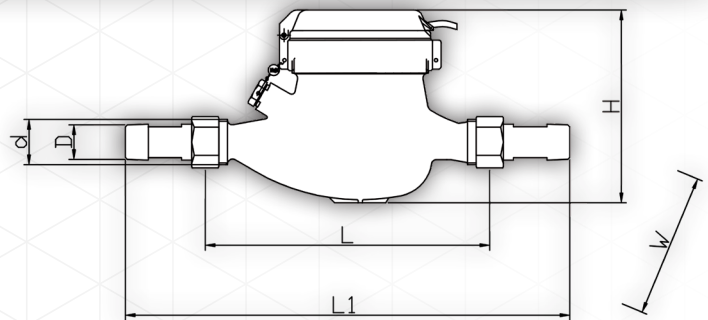
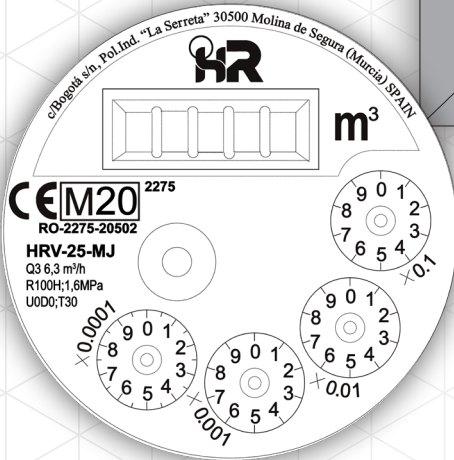
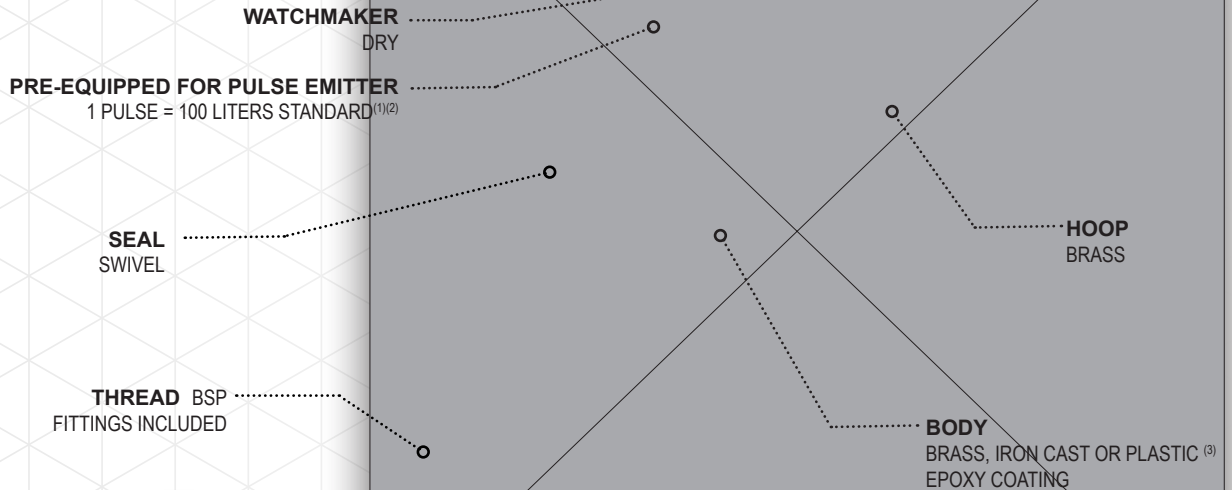
# WATER METER



### MULTI-JET WATER METER

- Precision R100.
- UOD0, no minimum distance upstream or downstream of the meter is required.
- T30 can work with water up to 30°C
- Has 1 totalizer and 4 clocks for higher accuracy.
- Homologated for drinking water..

ORIENTED CAP FOR EMITTER OUTPUT

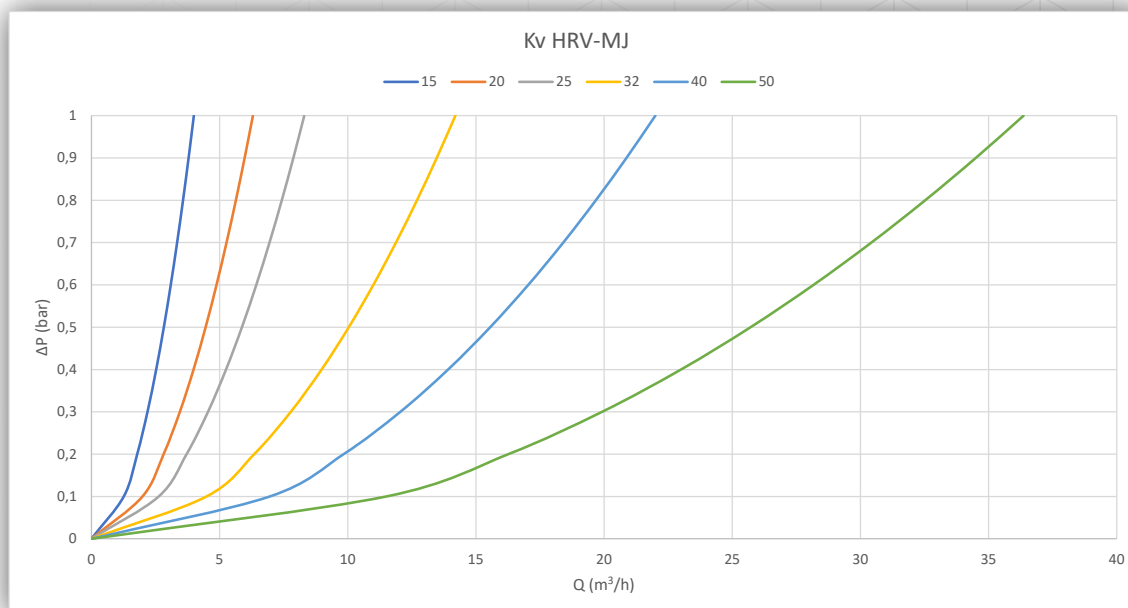


| DN |        | L   | H     | L1  | D       | d        | W   | Weight with fittings |
|----|--------|-----|-------|-----|---------|----------|-----|----------------------|
| mm | Inch   | mm  | mm    | mm  | mm      | mm       | mm  | Kg                   |
| 15 | 1/2"   | 165 | 109   | 260 | G3/4B   | G1/2"B   | 94  | 1.6                  |
| 20 | 3/4"   | 190 | 109   | 291 | G1B     | G3/4"B   | 94  | 1.8                  |
| 25 | 1"     | 260 | 117.5 | 381 | G1-1/4B | G1"B     | 100 | 2.6                  |
| 32 | 1 1/4" | 260 | 119   | 383 | G1-1/2B | G1-1/4"B | 100 | 2.8                  |
| 40 | 1 1/2" | 300 | 156   | 431 | G2B     | G1-1/2"B | 123 | 5.4                  |
| 50 | 2"     | 300 | 156   | 448 | G2-1/2B | G2"B     | 123 | 7.2                  |

(1) 4 options to install pulse output:

- 1 pulse per 1 Liter.
- 1 pulse per 10 Liter.
- 1 pulse per 100 Liter (standard).
- 1 pulse per 1000 Liter.

(2) Emitter option with double contact network for reverse flow detection.



| DN                               | Start-up flow rate | Transition flows | Nominal flow |
|----------------------------------|--------------------|------------------|--------------|
|                                  | Q1                 | Q2               | Q3           |
|                                  | Q3 / R             | Q1 * 1,6         |              |
| mm                               | m³/h               |                  |              |
| 15                               | 0,025              | 0,04             | 2,500        |
| 20                               | 0,040              | 0,064            | 4,000        |
| 25                               | 0,063              | 0,100            | 6,300        |
| 32                               | 0,100              | 0,160            | 10,000       |
| 40                               | 0,160              | 0,250            | 16,000       |
| 50                               | 0,250              | 0,400            | 25,000       |
| Minimum reading: 0,05 Litros     |                    |                  |              |
| Maximum reading: 99.999,99995 m³ |                    |                  |              |

## ASSOCIATED REGULATIONS

HRV-MJ meters are MID approved, comply with directives:

- **2014/32/EU**

In addition to complying with regulations:

- **Internacional R49**
- **European UNE EN ISO 4064**
- **European UNE EN 14154**



**WOLTMAN**

- DOUBLE HOMOLOGATION MID M21
- Y MEÑE
- METROLOGY CLASS 2
- R80
- U0D0
- T30
- ΔP25
- PN 16 bar.
- ORIENTATION H Y V
- T30
- REMOVABLE MECHANISM FOR MAINTENANCE AND REPLACEMENT WITHOUT REMOVING THE METER FROM THE PIPELINE

PRE-EQUIPPED FOR PULSE-EMITTER

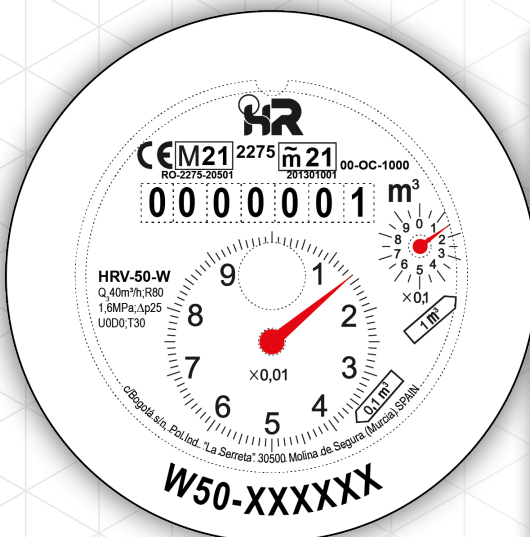
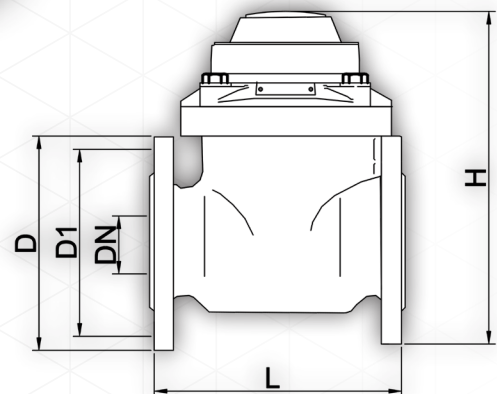
WATCHMAKER  
DRY, ORIENTED 360°

SCREW  
STAINLESS STEEL A2-70

MECHANISM  
TECHNICAL PLASTIC AND  
STAINLESS STEEL

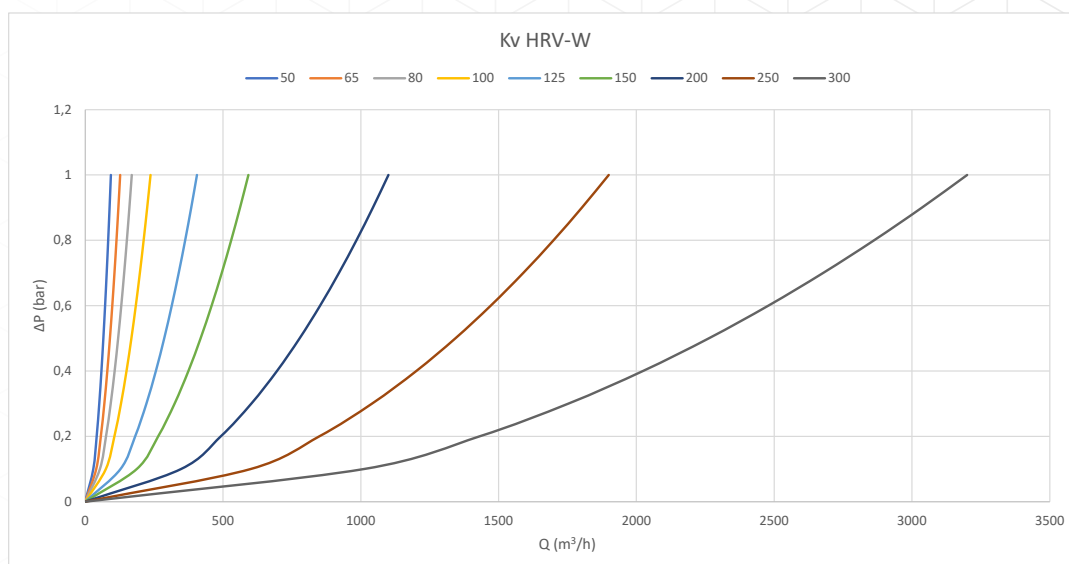
FLANGED  
ACCORDING TO UNE  
1092<sup>(1)</sup>

BODY  
IRON CAST



(1) Flanged option ANSI request on

| DN  |        | L   | H   | D   | D1  | Weight | Emitter  |
|-----|--------|-----|-----|-----|-----|--------|----------|
| mm  | Inch   | mm  | mm  | mm  | mm  | Kg     | 1p/ (m3) |
| 50  | 2"     | 200 | 257 | 165 | 125 | 12     | 0.1 y 1  |
| 65  | 2 1/2" | 200 | 267 | 185 | 145 | 13     |          |
| 80  | 3"     | 225 | 277 | 200 | 160 | 15     |          |
| 100 | 4"     | 250 | 287 | 220 | 180 | 16.5   |          |
| 125 | 5"     | 250 | 297 | 250 | 210 | 22     |          |
| 150 | 6"     | 300 | 375 | 285 | 240 | 41     |          |
| 200 | 8"     | 350 | 400 | 340 | 295 | 53.5   |          |
| 250 | 10"    | 450 | 484 | 400 | 355 | 99     | 1        |
| 300 | 12"    | 450 | 506 | 455 | 410 | 105    |          |



| DN                                | Start-up flow rate | Transition flows | Nominal flow |
|-----------------------------------|--------------------|------------------|--------------|
|                                   | Q1                 | Q2               | Q3           |
|                                   | Q3 / R             | Q1 * 1,6         |              |
| mm                                | m³/h               |                  |              |
| 50                                | 0.5                | 0.8              | 40           |
| 65                                | 0.79               | 1.26             | 63           |
| 80                                | 0.79               | 1.26             | 63           |
| 100                               | 1.25               | 2                | 100          |
| 125                               | 2                  | 3.2              | 160          |
| 150                               | 3.125              | 5                | 250          |
| 200                               | 5                  | 8                | 400          |
| 250                               | 7.875              | 12.6             | 630          |
| 300                               | 12.5               | 20               | 1000         |
| Minimum reading: 0,5 Litro        |                    |                  |              |
| Maximum reading: 9.999.999,999 m³ |                    |                  |              |

## ASSOCIATED REGULATIONS

HRV-MJ meters are approved MID CEN [M] and MEÑE [m], comply with directives european:

- 2014/32/EU

Comply with directives:

- Internacional R49
- European UNE EN ISO 4064
- European UNE EN 14154

It also complies with Spanish legislation for irrigation water:

- ITC279
- ICT155
- RD244/2016

### WOLTMAN TYPE COUNTER WITH INDUCTIVE EMITTER

- DOUBLE HOMOLOGATION MID Y MEÑE

- METROLOGY CLASS 2
- R80
- UOD0
- T30
- ΔP25
- PN 16 bar.
- ORIENTATION H Y V
- T30
- REMOVABLE MECHANISM FOR MAINTENANCE AND REPLACEMENT WITHOUT REMOVING THE METER FROM THE PIPELINE

PRE-EQUIPPED FOR PULSE INDUCTIVE EMITTER

WATCHMAKER  
DRY, ORIENTED

SCREW  
STAINLESS STEEL A2-70

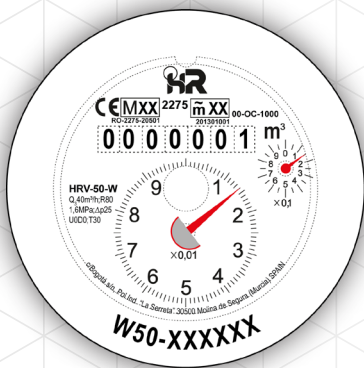
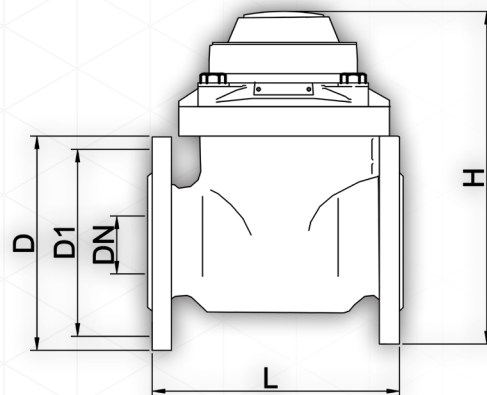
MECHANISM  
TECHNICAL PLASTIC  
AND STAINLESS

FLANGED  
ACCORDING TO UNE  
1092<sup>(1)</sup>

BODY  
IRON CAST

#### EMISOR INDUCTIVO

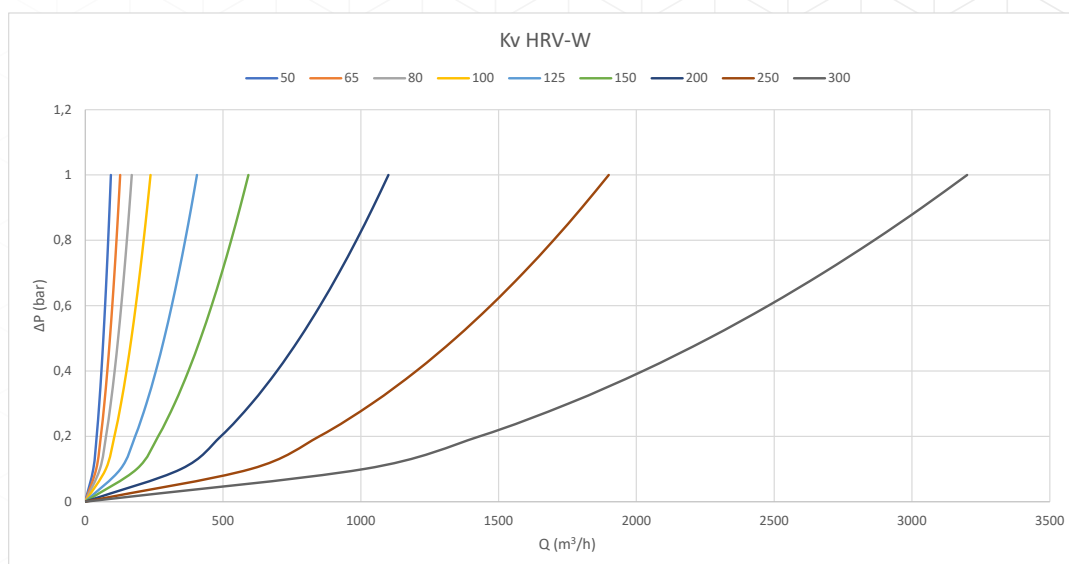
- Potential-free npn type outputs.
- 1 Pulse counting output 1 pulse = 100 Liters (white cable).
- 1 Flow direction indicator (brown cable ).
- Reference / Pole Negative / Ground ( black cable ).



(1) Flanged option ANSI request on

| DN  |        | L   | H   | D   | D1  | Weight |
|-----|--------|-----|-----|-----|-----|--------|
| mm  | Inch   | mm  | mm  | mm  | mm  | Kg     |
| 50  | 2"     | 200 | 257 | 165 | 125 | 12     |
| 65  | 2 1/2" | 200 | 267 | 185 | 145 | 13     |
| 80  | 3"     | 225 | 277 | 200 | 160 | 15     |
| 100 | 4"     | 250 | 287 | 220 | 180 | 16.5   |
| 125 | 5"     | 250 | 297 | 250 | 210 | 22     |
| 150 | 6"     | 300 | 375 | 285 | 240 | 41     |
| 200 | 8"     | 350 | 400 | 340 | 295 | 53.5   |
| 250 | 10"    | 450 | 484 | 400 | 355 | 99     |
| 300 | 12"    | 450 | 506 | 455 | 410 | 105    |





| DN               | Start-up flow rate | Transition flows | Nominal flow |
|------------------|--------------------|------------------|--------------|
|                  | Q1                 | Q2               | Q3           |
|                  | Q3 / R             | Q1 * 1,6         |              |
| mm               | m³/h               |                  |              |
| 50               | 0.5                | 0.8              | 40           |
| 65               | 0.79               | 1.26             | 63           |
| 80               | 0.79               | 1.26             | 63           |
| 100              | 1.25               | 2                | 100          |
| 125              | 2                  | 3.2              | 160          |
| 150              | 3.125              | 5                | 250          |
| 200              | 5                  | 8                | 400          |
| 250              | 7.875              | 12.6             | 630          |
| 300              | 12.5               | 20               | 1000         |
| Minimum reading: |                    | 0,5 Litro        |              |
| Maximum reading: |                    | 9.999.999,999 m³ |              |

## ASSOCIATED REGULATIONS

HRV-MJ meters are approved MIDC €  $\boxed{M}$  and MEÑE  $\boxed{m}$ , comply with directives european:

- 2014/32/EU

Comply with directives:

- Internacional R49
- European UNE EN ISO 4064
- European UNE EN 14154

It also complies with Spanish legislation for irrigation water:

- ITC279
- ICT155
- RD244/2016

### TANGENTIAL WATER METER

Ideal for waters with suspended particles

- R20
- U10D5
- T30
- ΔP10
- PN16
- ORIENTATION H
- T30
- REMOVABLE MECHANISM FOR MAINTENANCE AND REPLACEMENT

PRE-EQUIPPED FOR PULSE I  
EMITTER

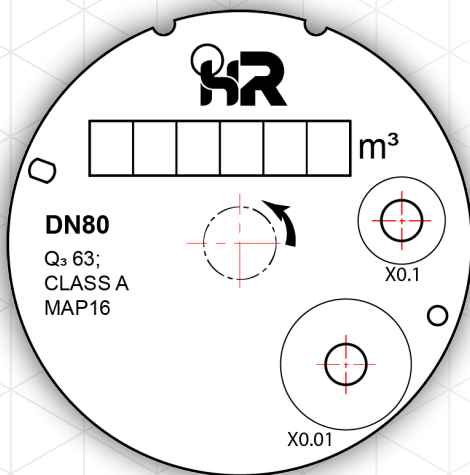
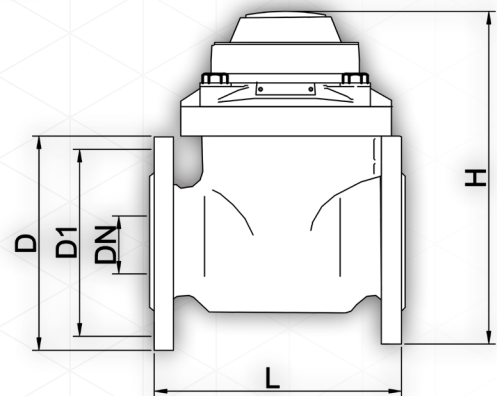
WATCHMAKER  
DRY,

SCREW  
STAINLESS STEEL A2-70

FLANGED  
ACCORDING TO UNE  
1092<sup>(1)</sup>

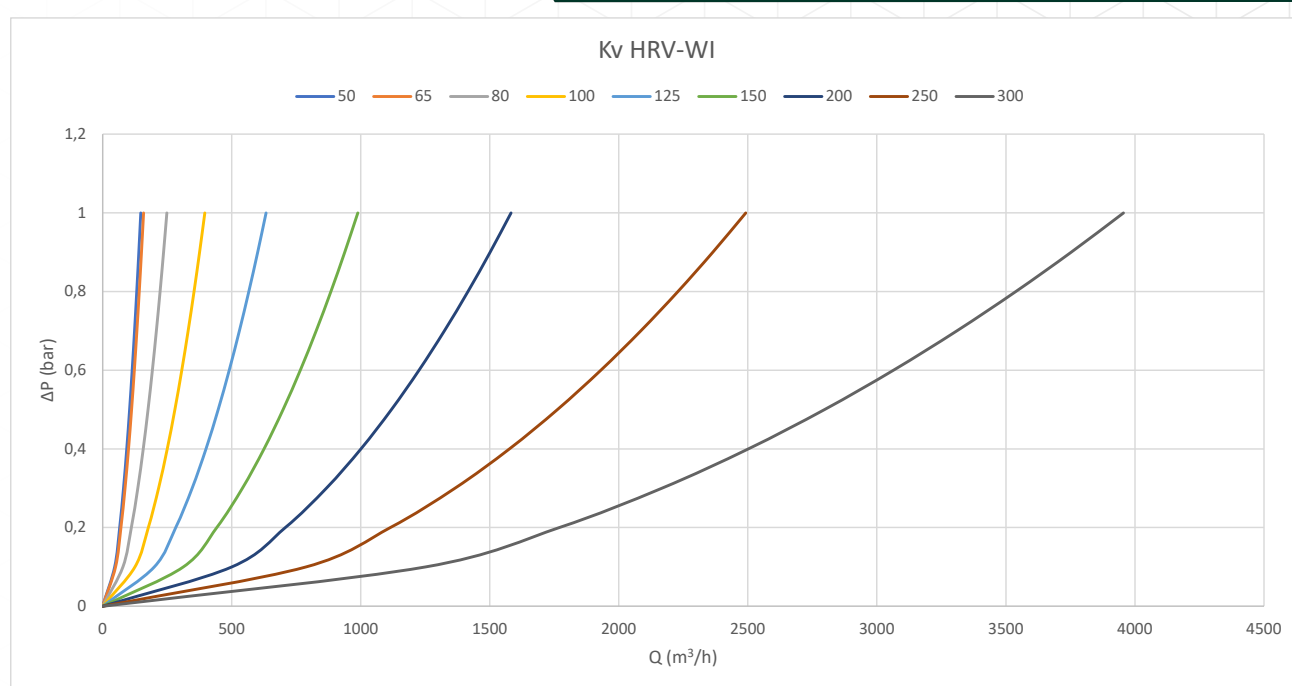
MECHANISM  
TECHNICAL PLASTIC  
AND STAINLESS

BODY  
IRON CAST



(1) Flanged option ANSI request on

| DN  |        | L   | H   | D   | D1  | Weight | Emitter  |
|-----|--------|-----|-----|-----|-----|--------|----------|
| mm  | Inch   | mm  | mm  | mm  | mm  | Kg     | 1p/ (m3) |
| 50  | 2"     | 200 | 253 | 165 | 125 | 15     | 0.1 y 1  |
| 65  | 2 1/2" | 200 | 268 | 185 | 145 | 15     |          |
| 80  | 3"     | 225 | 284 | 200 | 160 | 17.5   |          |
| 100 | 4"     | 250 | 295 | 220 | 180 | 20     |          |
| 125 | 5"     | 250 | 310 | 250 | 210 | 22     |          |
| 150 | 6"     | 300 | 339 | 285 | 240 | 33     |          |
| 200 | 8"     | 350 | 382 | 340 | 295 | 45     |          |
| 250 | 10"    | 450 | 433 | 395 | 350 | 94     | 1        |
| 300 | 12"    | 450 | 483 | 445 | 400 | 114    |          |



| DN               | Start-up flow rate | Transition flows | Nominal flow |
|------------------|--------------------|------------------|--------------|
|                  | Q1                 | Q2               | Q3           |
|                  | Q3 / R             | Q1 * 1,6         |              |
| mm               | m³/h               |                  |              |
| 50               | 2                  | 3.2              | 40           |
| 65               | 2                  | 3.2              | 40           |
| 80               | 3.15               | 5.04             | 63           |
| 100              | 5                  | 8                | 100          |
| 125              | 8                  | 12.8             | 160          |
| 150              | 12.5               | 20               | 250          |
| 200              | 20                 | 32               | 400          |
| 250              | 31.5               | 50.4             | 630          |
| 300              | 50                 | 80               | 1000         |
| Minimum reading: |                    | 1 Litro          |              |
| Maximum reading: |                    | 999.999,999 m³   |              |

## ASSOCIATED REGULATIONS

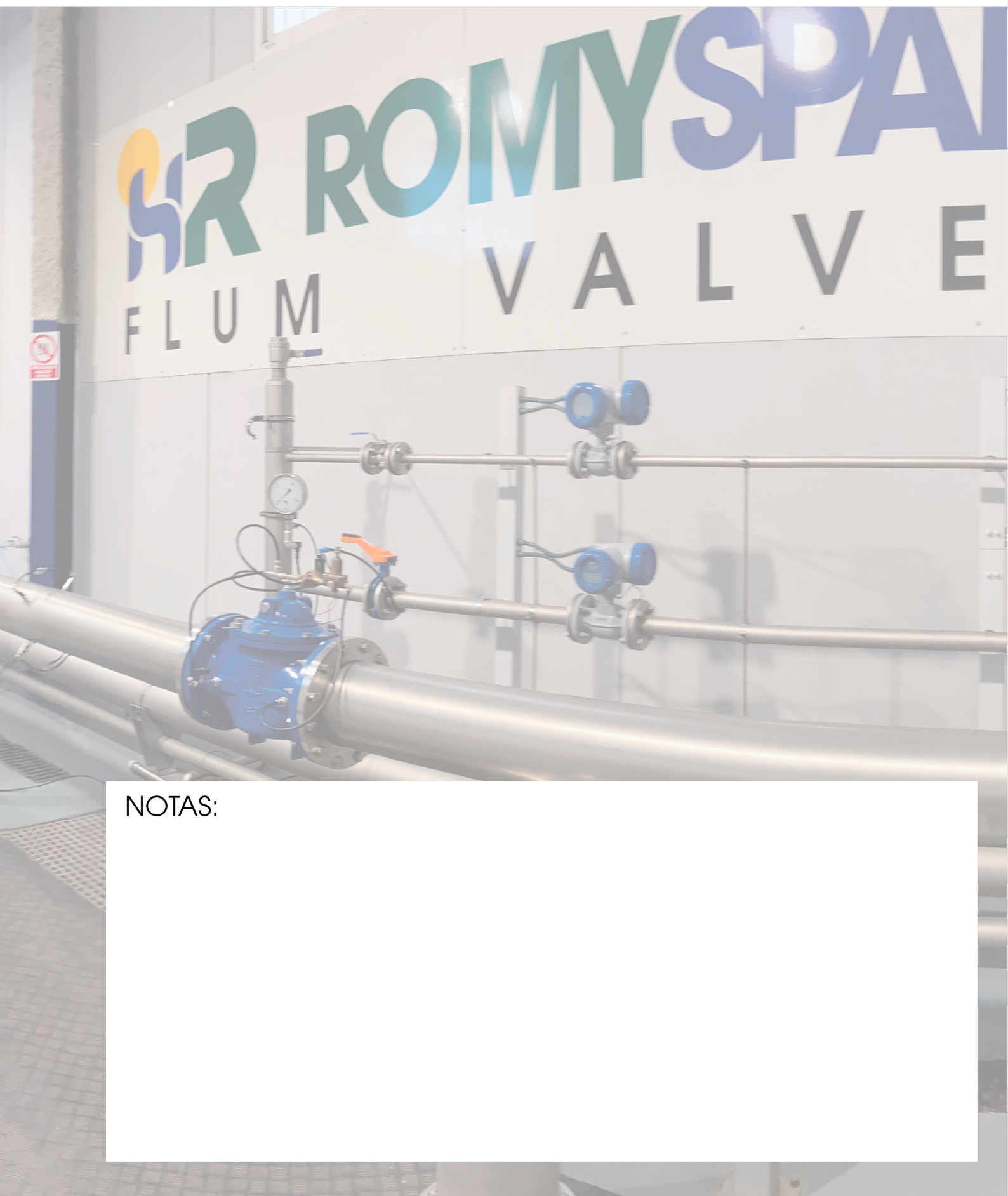
HRV-MJ meters are MID approved, comply with directives:

- **2014/32/EU**

In addition to complying with regulations:

- **Internacional R49**
- **European UNE EN ISO 4064**
- **European UNE EN 14154**





NOTAS:





## VALVULAS HIDRÁULICAS



## VENTOSAS



## CONTADORES DE AGUA POTABLE Y CONTADORES DE AGUA DE RIEGO



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