

## VÁLVULA DE BOLA PVC U STANDARD

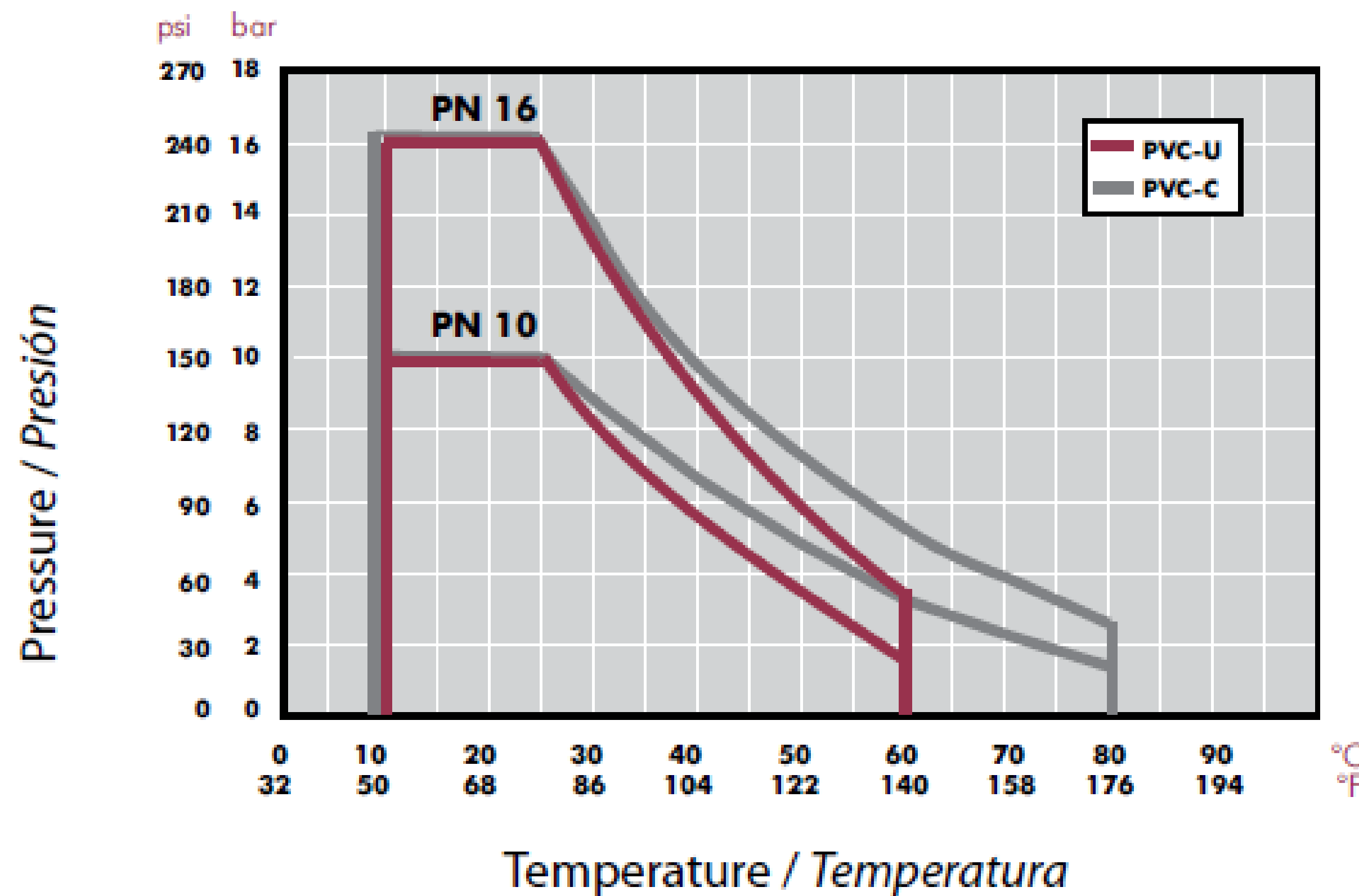


Válvula de bola en PVC U. Válvulas de cierre de circuito mediante bola de PVC U. Apta para instalaciones de riego, piscina e industria. Su construcción en PVC U permite su uso en aguas agresivas. Sistema Antiblock que evita el bloqueo de la bola. Desmontable, el cuerpo de la válvula se desmonta sin necesidad de rotura de la tubería.

Materiales de construcción:

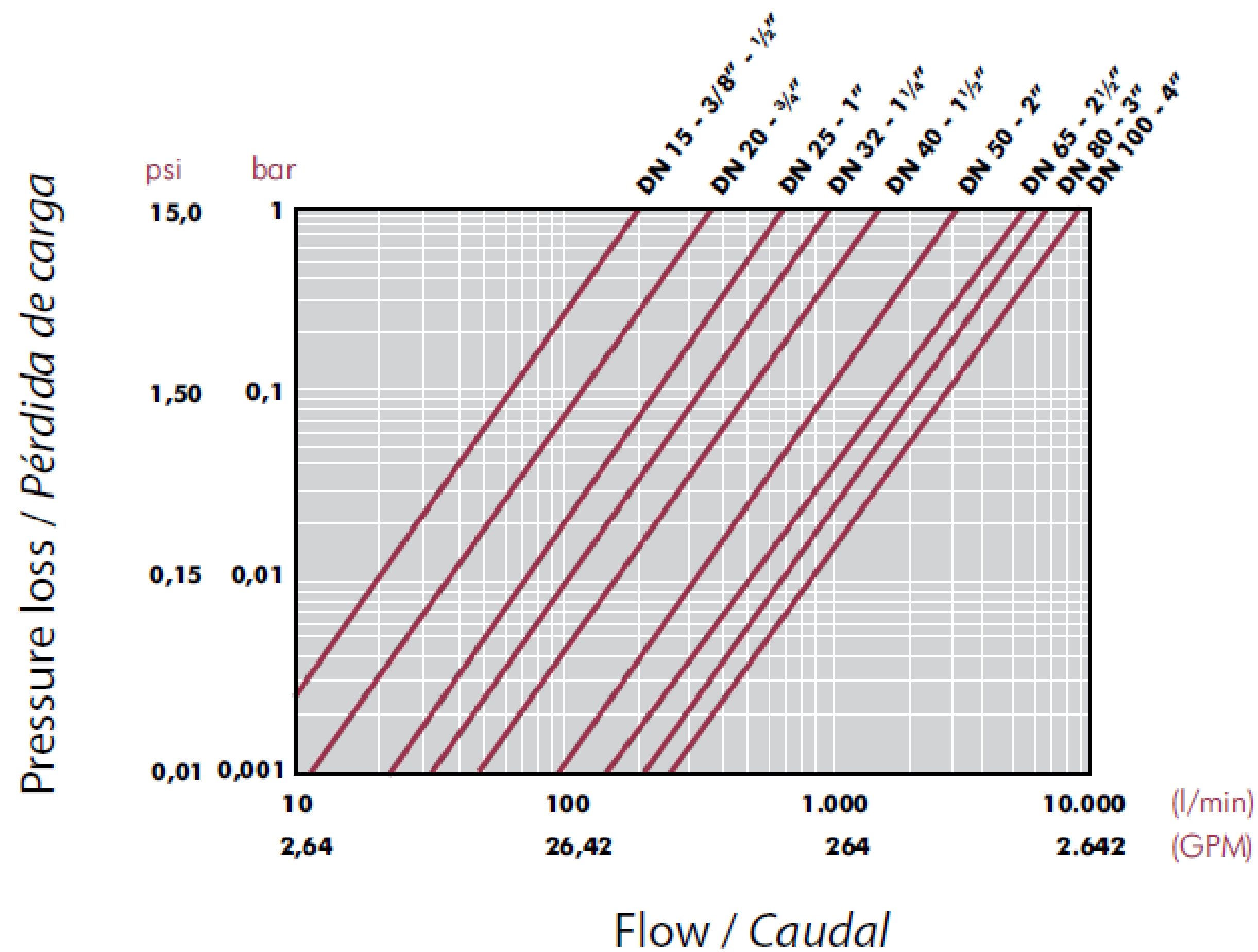
- Cuerpo, tuercas de unión, bola y eje en PVC U.
- Junta asiento bola en HDPE.
- Anillos tóricos en EPDM.
- Distintivo azul en la maneta.
- Maneta en PP.

## DIAGRAMA PRESIÓN / TEMPERATURA



20 years / water flow  
20 años / fluido de agua

## DIAGRAMA DE PÉRDIDAS DE CARGA

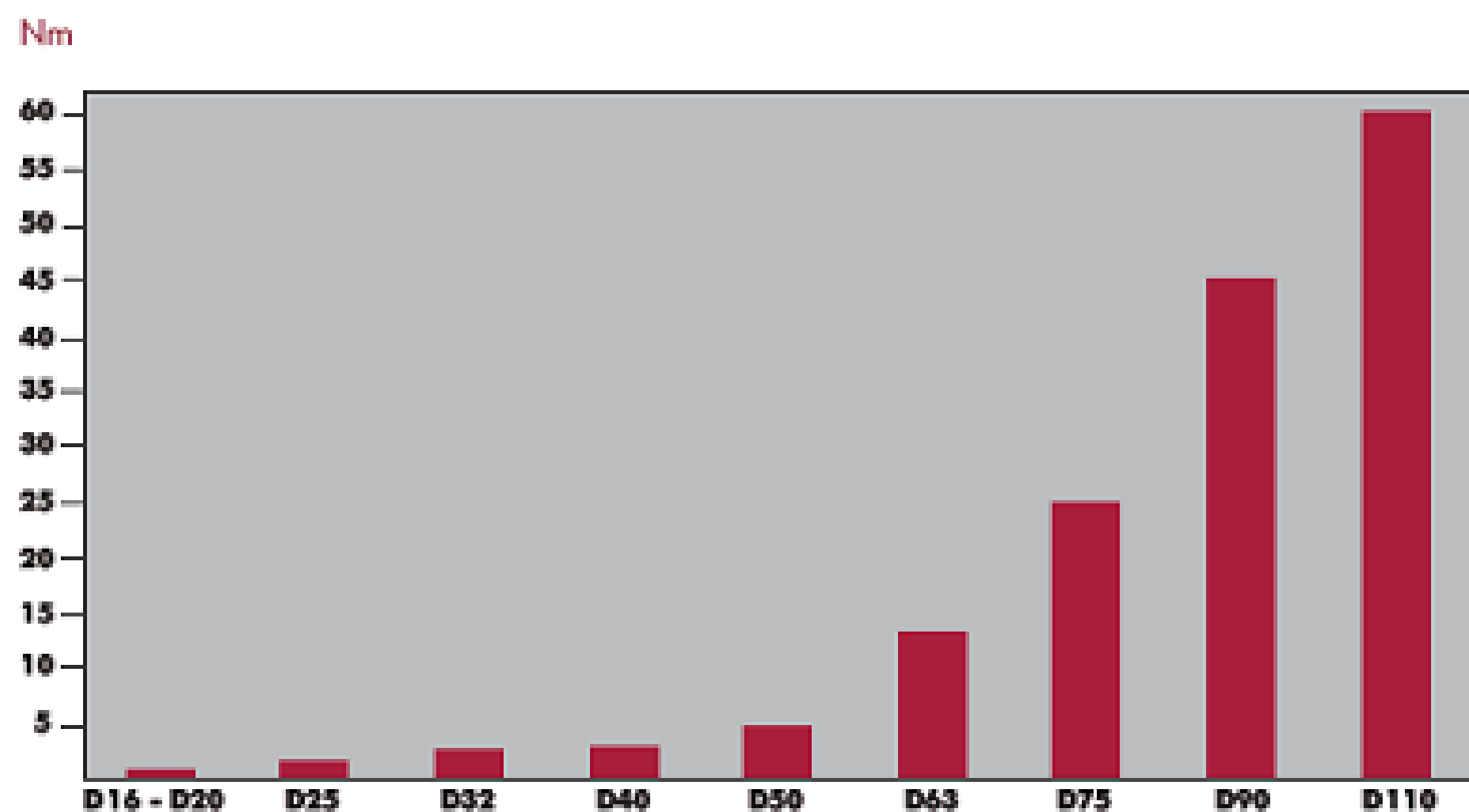


## FLUJO RELATIVO

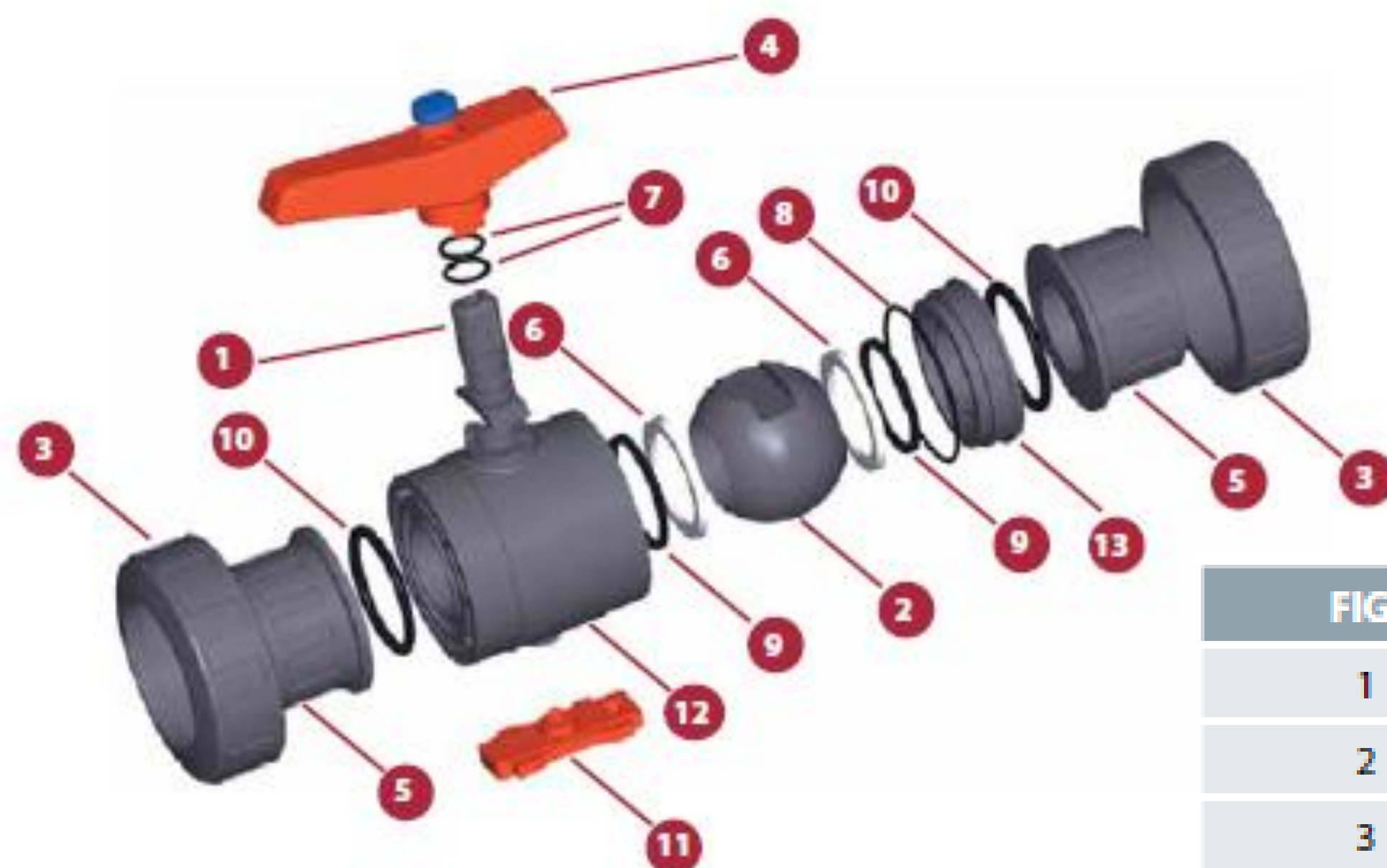
| D                 | 16-3/8" | 20-1/2" | 25-3/4" | 32-1" | 40-1 1/4" | 50-1 1/2" | 63-2"  | 75-2 1/2" | 90-3"  | 110-4" |
|-------------------|---------|---------|---------|-------|-----------|-----------|--------|-----------|--------|--------|
| DN                | 10      | 15      | 20      | 25    | 32        | 40        | 50     | 65        | 80     | 100    |
| Kv <sub>100</sub> | 102     | 102     | 260     | 451   | 1627      | 2902      | 3475   | 4167      | 6300   | 6800   |
| Cv                | 7,14    | 7,14    | 18,21   | 31,58 | 113,94    | 203,22    | 243,35 | 291,81    | 441,18 | 476,19 |

$Cv = Kv_{100} / 14,28$   
 $Kv_{100}$  (l/min,  $\Delta p = 1$  bar)  
 $Cv$  (GPM,  $\Delta p = 1$  psi)

## DIAGRAMA DE PAR



Comprometidos  
con el agua.



| FIG. | Parts                | Desplece            | Material |
|------|----------------------|---------------------|----------|
| 1    | Shaft                | Eje                 | PVC-U    |
| 2    | Ball                 | Bola                | PVC-U    |
| 3    | Union nut            | Tuerca              | PVC-U    |
| 4    | Handle               | Conjunto maneta     | PP       |
| 5    | End connector        | Manguito enlace     | PVC-U    |
| 6    | Ball seat            | Asiento bola        | PTFE     |
| 7    | Shaft o-ring         | Junta eje           | EPDM /   |
| 8    | Body o-ring          | Junta cuerpo        | EPDM /   |
| 9    | Dampener seal        | Junta amortiguación | EPDM /   |
| 10   | End connector o-ring | Junta manguito      | EPDM /   |
| 11   | Adjusting tool       | Llave de regulación | ABS      |
| 12   | Body                 | Cuerpo              | PVC-U    |
| 13   | Seal-carrier         | Portajuntas         | PVC-U    |

## ACTUACIÓN ELÉCTRICA – VÁLVULAS DE BOLA SERIE [IND]



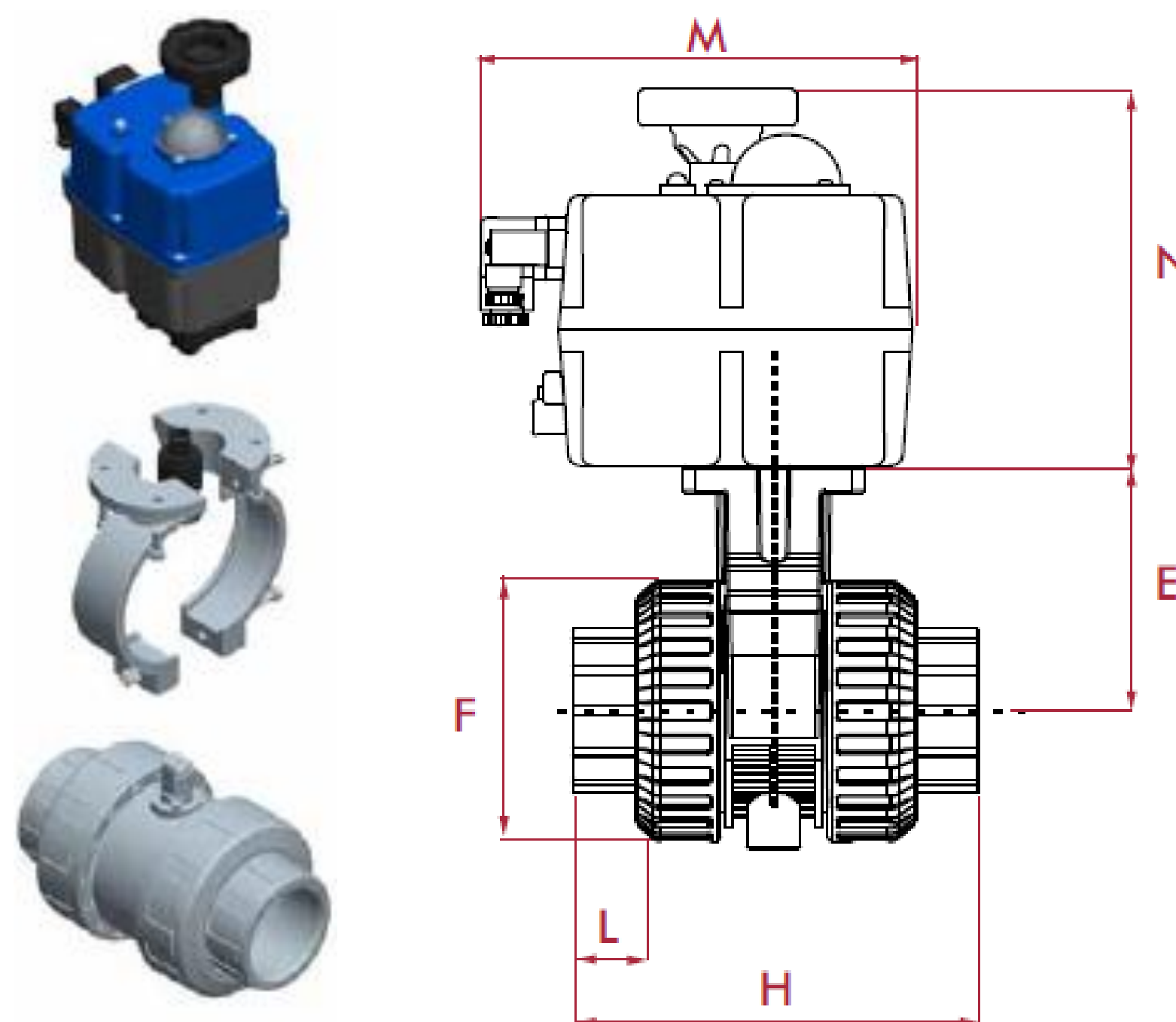
### Características técnicas

- Válvula de bola Serie [IND] con actuador eléctrico reversible multivoltaje
- Control electrónico del par, con limitación de par máximo
- Resistencia calefactora anti-condensación
- Selector automático/manual, con mando manual de emergencia
- Contactos auxiliares de final de posición
- Indicador LED de funcionamiento/errores
- Cuerpo y tapa en poliamida anti-corrosivo
- Actuador garantizado para 20.000 ciclos con un tiempo bajo tensión del 75%

### Opciones

- BSR - Bloque seguridad
- DPS - Posicionador digital

## DIMENSIONES



L - pipe insertion size

| DN  | D   | L  | H   | E   | F   | M   | N     | Weight (kg) |
|-----|-----|----|-----|-----|-----|-----|-------|-------------|
| 10  | 16  | 13 | 87  | 50  | 64  | 169 | 123,5 | 1,40        |
| 15  | 20  | 16 | 87  | 50  | 64  | 169 | 123,5 | 1,40        |
| 20  | 25  | 19 | 101 | 61  | 64  | 169 | 123,5 | 1,50        |
| 25  | 32  | 22 | 122 | 70  | 74  | 169 | 123,5 | 1,70        |
| 32  | 40  | 26 | 135 | 81  | 74  | 169 | 123,5 | 1,85        |
| 40  | 50  | 31 | 149 | 96  | 88  | 177 | 171   | 3,00        |
| 50  | 63  | 38 | 174 | 118 | 88  | 177 | 171   | 3,85        |
| 65  | 75  | 44 | 216 | 146 | 123 | 177 | 196   | 5,70        |
| 80  | 90  | 51 | 256 | 176 | 123 | 177 | 196   | 7,73        |
| 100 | 110 | 63 | 359 | 225 | 165 | 235 | 254   | 16,5        |

Electric actuation - Ball valves Industrial Series  
 Motorisation électrique - Robients à boisseau Série Industrial  
 Actuación eléctrica - Válvulas de bola Serie Industrial  
 Actuação eléctrica - Válvulas de esfera Serie Industrial

D50 - DN40 (PN16 - 240 psi)  
 J+J - J3C L020 - J3C H020

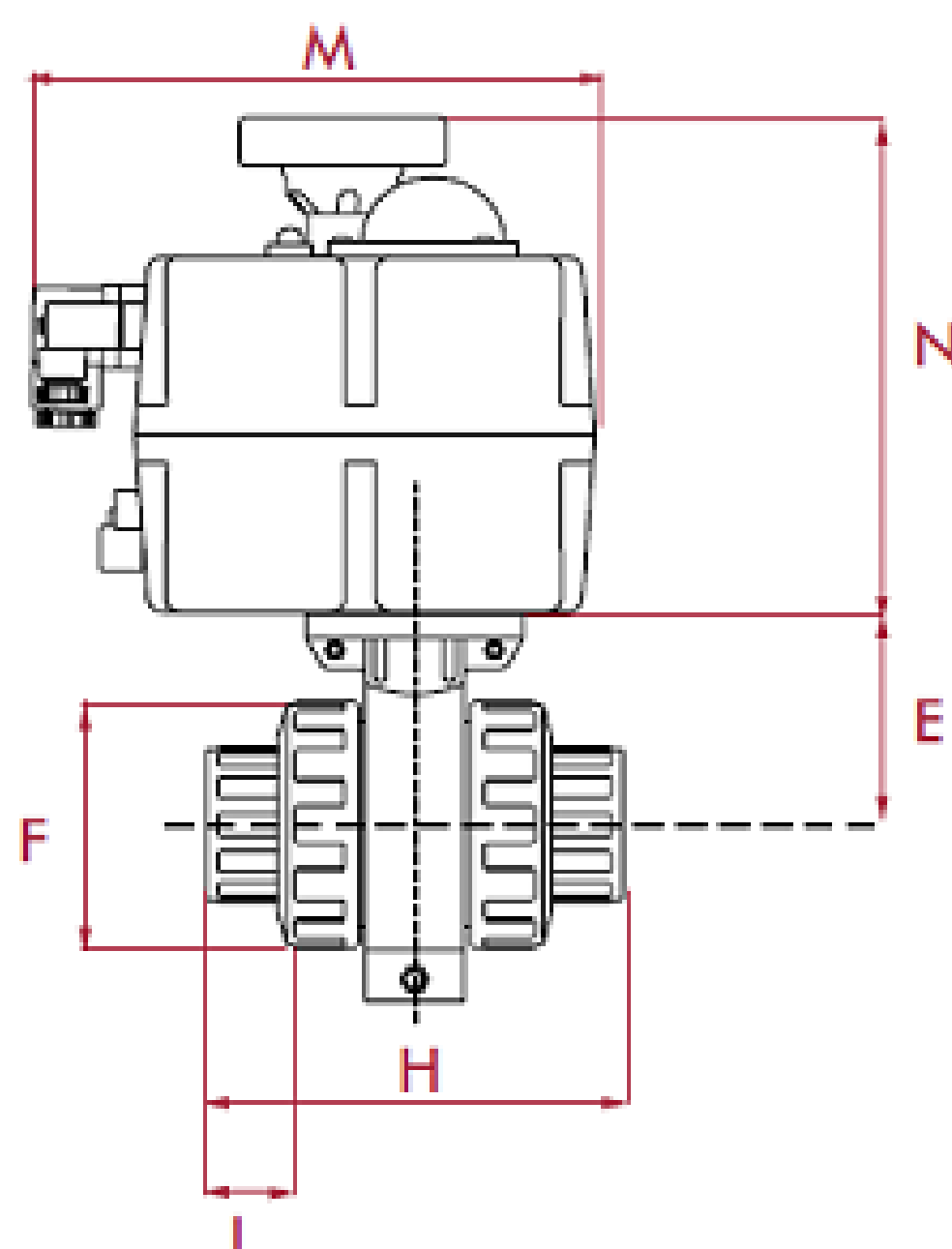
**J+J<sup>®</sup>**

Actuator characteristics - Caracteristiques actionneur - Características actuador - Características atuador

| Voltage                         | Operation time | Maximum operational torque | Maximum torque break | Duty rating | Ip rating | Temperature                  | Limit switch | Heating resistor | Plugs                        |
|---------------------------------|----------------|----------------------------|----------------------|-------------|-----------|------------------------------|--------------|------------------|------------------------------|
| 12-24 VAC/VDC<br>85-240 VAC/VDC | 12 s           | 20 Nm<br>177 in/lb         | 25 Nm<br>221 in/lb   | 75          | IP 67     | -20° / 70° C<br>-4° / 158° F | 4 SPTD micro | 3,5              | DIN 43650<br>ISO 4400 & C192 |

## Sizes - Dimensions - Medidas · Dimensões

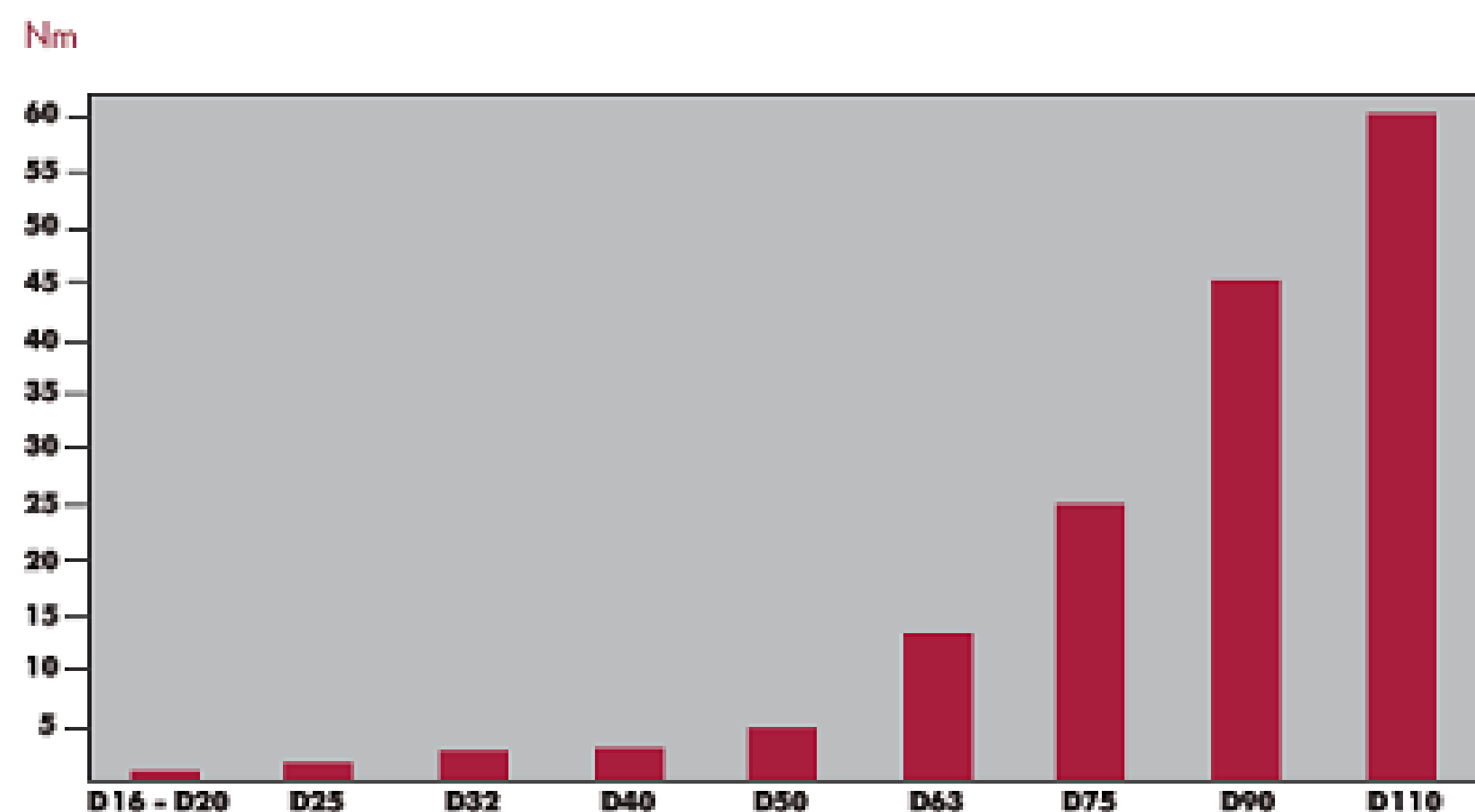
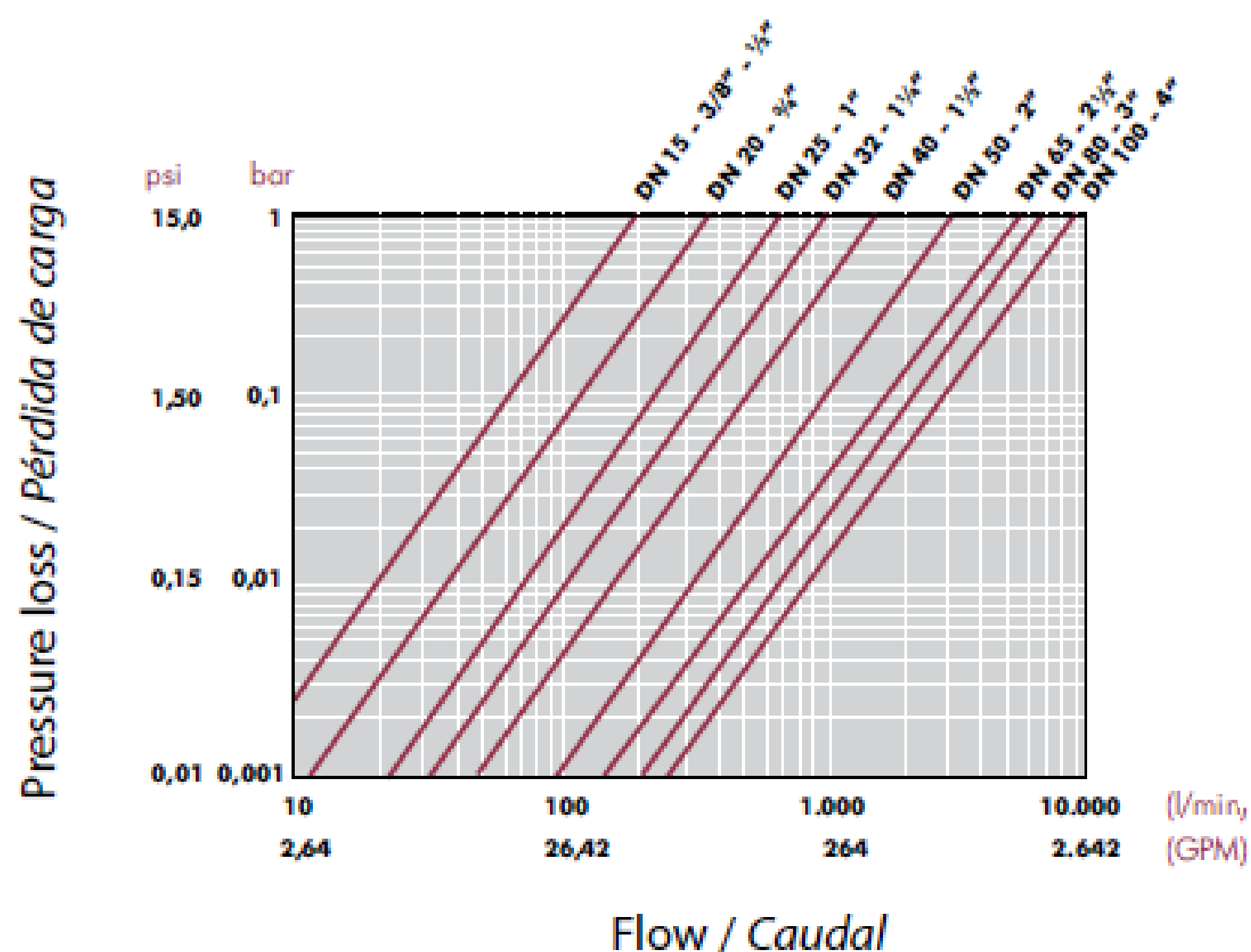
| DN | L  | H   | E   | F  | M   | N   |
|----|----|-----|-----|----|-----|-----|
| 40 | 31 | 167 | 104 | 88 | 177 | 171 |



| Options                  | Options                    | Opciones                   | Opções                      |
|--------------------------|----------------------------|----------------------------|-----------------------------|
| BSR - Safety block       | BSR - Bloquage de sécurtié | BSR - Bloque seguridad     | BSR - Bloqueio de segurança |
| DPS - Digital positioner | DPS - Positionneur digital | DPS - Posicionador digital | DPS - Posicionador digital  |

## CARACTERÍSTICAS TÉCNICAS

|                   |        |
|-------------------|--------|
| D                 | 50-1½" |
| DN                | 40     |
| Kv <sub>100</sub> | 2902   |
| Cv                | 203,22 |

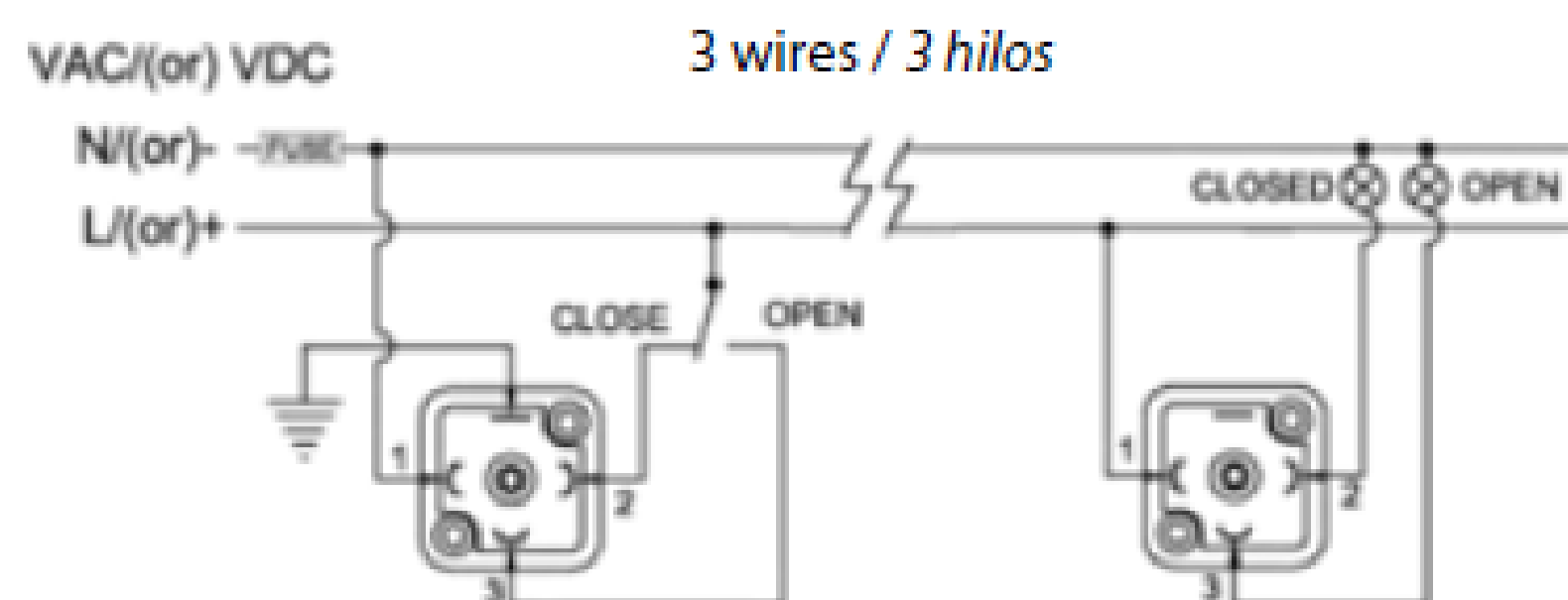


Comprometidos  
con el agua.

## CARACTERÍSTICAS ACTUADOR

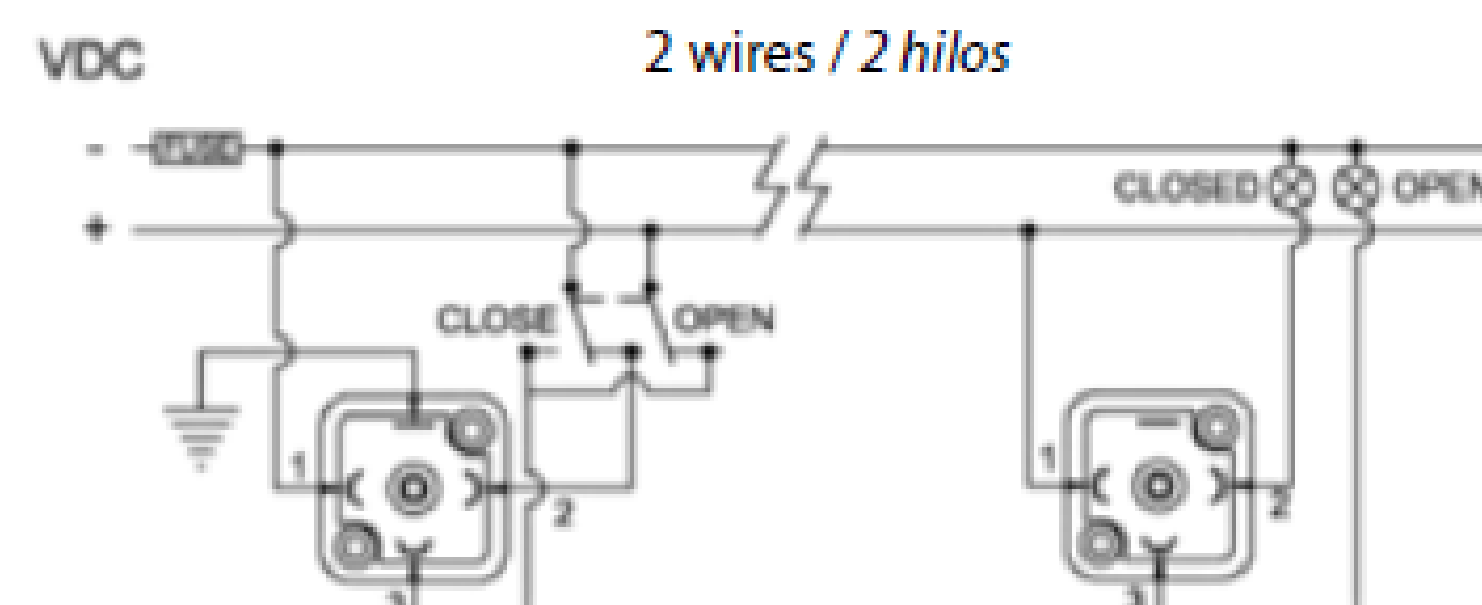
| Model   | Voltage         | 90º time | Maximum operational torque | Maximum break torque  | Max. Torque Consumption                               | Duty rating | IP rating | Temperature                 | Limit switch | Heating resistor | Plugs                        |
|---------|-----------------|----------|----------------------------|-----------------------|-------------------------------------------------------|-------------|-----------|-----------------------------|--------------|------------------|------------------------------|
| J2L010  | 24 VAC/VDC      | 19 s     | 10 Nm<br>88,55 in-lbf      | 12 Nm<br>106,2 in-lbf | 24 VAC/VDC 390mA – 9,36 W                             | 75%         | IP 65     | -20º / 70ºC<br>-4º / 158º F | 4 SPTD micro | 3,5 W            | DIN 43650<br>ISO 4400 & C192 |
| J2H010  | 110-220 VAC/VDC | 16 s     |                            |                       | 20 VAC/VDC 272 mA – 60 W<br>110 VAC/VDC 272 Ma – 30 W |             |           |                             |              |                  |                              |
| J3CL020 | 12-24 VAC/VDC   | 12 s     | 20 Nm<br>177 in-lbf        | 25 Nm<br>221 in-lbf   | 12VAC – 1300 mA – 15,6 W<br>24VDC – 1000 Ma – 24W     | 75%         | IP 67     | -20º / 70ºC<br>-4º / 158º F | 4 SPTD micro | 3,5 W            | DIN 43650<br>ISO 4400 & C192 |
| J3CH020 | 85-240 VAC/VDC  |          |                            |                       | 110V - 180 mA – 19,8 W<br>220V – 85mA – 18,7W         |             |           |                             |              |                  |                              |
| J3CL055 | 12-24 VAC/VDC   | 16 s     | 55 Nm<br>486 in-lbf        | 60 nm<br>530 in-lbf   | 24VAC – 1900 Ma – 45,6 W<br>24 VDC – 900 mA – 21,6 W  | 75%         | IP 67     | -20º / 70ºC<br>-4º / 158º F | 4 SPTD micro | 3,5 W            | DIN 43650<br>ISO 4400 & C192 |
| J3CH055 | 85-240 VAC/VDC  | 14 s     |                            |                       | 110V – 180mA – 45,6 W<br>220V – 85 mA – 18,7 W        |             |           |                             |              |                  |                              |
| J3CL085 | 12-24 VAC/VDC   | 35 s     | 85 Nm<br>752 in-lbf        | 90 Nm<br>796 in-lbf   | 24VAC – 1900mA – 45,6 W<br>24VDC – 900 mA – 21,6 W    | 75%         | IP 67     | -20º / 70ºC<br>-4º / 158º F | 4 SPTD micro | 3,5 W            | DIN 43650<br>ISO 4400 & C192 |
| J3CH085 | 85-240 VAC/VDC  | 30 s     |                            |                       | 110V – 180 mA – 19,8 W<br>220 V – 85 mA – 18,7 W      |             |           |                             |              |                  |                              |
| J3CL140 | 24 VAC/VDC      | 34 s     | 140 Nm<br>1239 in-lbf      | 170 Nm<br>1504 in-lbf | 24VAC – 1900 mA – 45,6 W<br>24VDC – 900 mA – 21,6 W   | 75%         | IP 67     | -20º / 70ºC<br>-4º / 158º F | 4 SPTD micro | 3,5 W            | DIN 43650<br>ISO 4400 & C192 |
| J3CH140 | 85-240 VAC/VDC  |          |                            |                       | 110V – 700mA – 77W<br>220V – 230 mA – 50,6 W          |             |           |                             |              |                  |                              |

## ESQUEMA ELÉCTRICO DE CONEXIÓN (SIN DPS)



Power supply (Grey plug)  
Alimentación eléctrica (Conector gris)

Volt free contact (Black plug)  
Contactos auxiliares (Conector negro)



Power supply (Grey plug)  
Alimentación eléctrica (Conector gris)

Volt free contact (Black plug)  
Contactos auxiliares (Conector negro)

## GAMA COMPLETA

| SIZE<br>Diam.        | J+J                | Material<br>Material | Seats / O-rings<br>Asientos / Juntas | Unions<br>Uniones                     | Standards<br>Standards                        |
|----------------------|--------------------|----------------------|--------------------------------------|---------------------------------------|-----------------------------------------------|
| D16 (3/8") - DN10    | J2L010<br>J2H010   | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D20 (1/2") - DN15    | J2L010<br>J2H010   | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D25 (3/4") - DN20    | J2L010<br>J2H010   | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D32 (1") - DN25      | J2L010<br>J2H010   | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D40 (1 1/4") - DN 32 | J2L010<br>J2H010   | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D50 (1 1/2") - DN40  | J3CL020<br>J3CH020 | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D63 (2") - DN50      | J3CL020<br>J3CH020 | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D75 (2 1/2") - DN65  | J3CL055<br>J3CH055 | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D90 (3") - DN80      | J3CL085<br>J3CH085 | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |
| D 110 (4") - DN100   | J3CL140<br>J3CH140 | PVC-U                | PTFE / EPDM perox.<br>PTFE / FPM     | Solvent cement<br>Threaded<br>Flanges | ISO/DIN, ASTM, BS, JIS<br>BSP, NPT<br>ISO/DIN |
|                      |                    | PVC-U                |                                      |                                       |                                               |