Hidroten®

Sistemas y Tecnología del agua / *Water System Technology* / Système et Technologie de l'eau

# Flanges and Adaptors

Family 10

## Innovation, Technology and Resistance,

The flanges and adaptors developed by Hidroten, S.A. offer the maket one of the most complete and innovative ranges in existance.
They are products which are manufactured using direct injection moulding, ensuring maximum durability and resistance to pressure upon tightening.

**with their exclusive system of flanges and Netvitc® couplings**

**Ø50/400**
**1 1/2"- 4"**
**P.V.C.**
**P.P.F.G.**
**P.A.**

Empresa Registrada ER-1862/2/00

IQNet ISO 9002

- PVC.Pres. glued fittings.
- PVC. Pres.glued-thread fittings
- NETVITC® Flange-coupling
- Flanges and Adaptors
- Clamp saddles.
- GFRP. Hinged sleeves.
- P.P. Threaded fittings.
- P.P. Fittings.
- Butterfly valves.
- Ball valves.
- SYSTEM® Check valves
- NETWELL® Aspiration valves
- Lineal check valve.
- Check (non return) valve with spring
- Drip irrigation
- Micro-irrigat. fittings
- Filter.
- Fluids display socket
- PVC. Glue and cleaner

NETWELL SYSTEM

MANUFACTURED IN THE EU BY HIDROTEN,S.A. UNDER LICENSE AND TECHNOLOGY OF NETWELL SYSTEM®

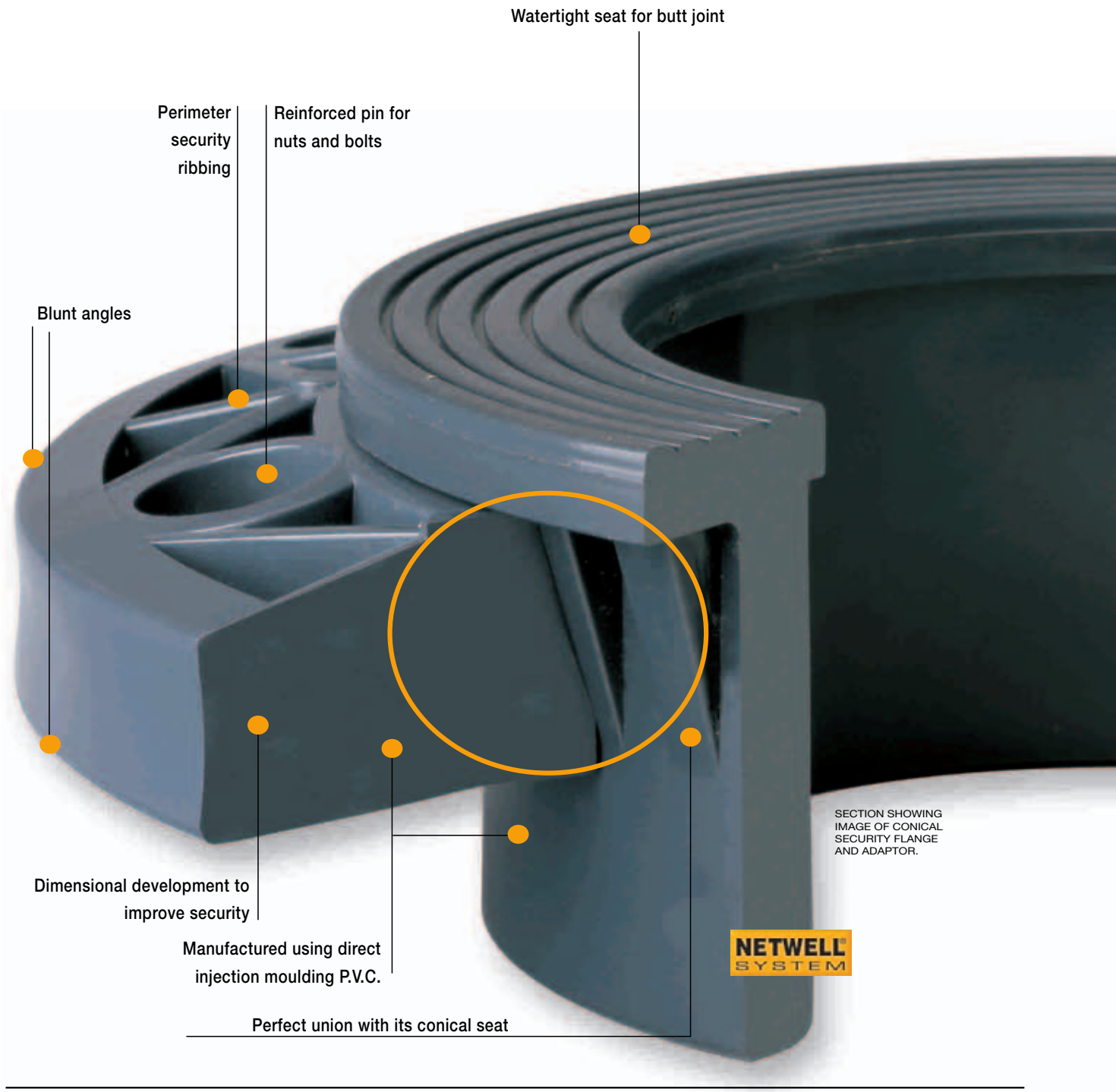
NETWELL SYSTEM

Nuevas Tecnologías

# A complete range of flanges, adaptors and unions

-Amongst their principal features: our flanges and adaptors offer dimensional development and a perfect structure for their conical and plane seats. These features together with their exclusive moulding by direct injection guarantee maximum resistance to the pressure of tightening.

## with maximum resistance




SECTION SHOWING IMAGE OF CONICAL SECURITY FLANGE AND ADAPTOR.

Hidroten®
Sistemas y Tecnología del agua/Water System Technology

## Generic characteristics:

-The family of flanges and adaptors by Hidroten, S.A. manufactured in P.V.C., PPFG or PA, from Ø50 to 400 incorporate their own characteristics and technology which mark a differentiate with other traditional products on the market.

-Special flexure which elimate cutting edges.

-Extra thickness with strengthened rib structured to obtain even greater resistance when tightening.

-Configuration in blunt channels to improve seating tightness of butt joint coupling.

-Numbering on the flanges indicate the order in which tightening should be carried out thus avoiding possible tension.

## Solid flange in PPFG and High Resistance in P.A.

**-Greater resistance when tightening and in working conditions**

## Security plain flange in P.V.C.

NETWELL SYSTEM

-Flanges apt for plain adaptor, but with a tapered strip offering greater resistance when tightening.

## Compact flange in P.V.C.

-Solvent socket or threaded outlet. The threaded outlet has a half sheave and an o ring, for outlets of 2" y 3".

-The threaded outlet is served with a **metal reinforcement.**

## Conical security flange and adaptors.

-Range manufactured by Hidroten S.A. designed with bevel seats and triangular reinforcements to offer greater security against damage through tightening.

## Manufacture and guidelines:

-The NETWELL SYSTEM® technology is incorporated in its design and it is moulded by **direct injection**, without any type of union joint.

-Our system of Flanges and adaptors are standard in accordance with **UNE-EN 1452.**

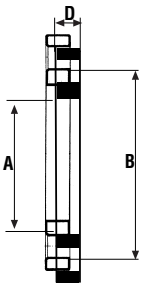
-Our adaptors "**BS**" complys to British Standards 3505/6.

-When installing standard piping should be used according to **UNE-EN 1452.**

Technical abbreviations:

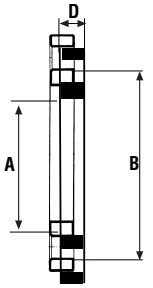
| | |
|---|---|
| **EPDM** | Ethylene-propylene diene monomer. |
| **EVA** | Ethylene vinyl acetate. |
| **P.A.** | Polyamide. |
| **U.-P.V.C.** | Unplasticed poly vinyl. |
| **P.P.F.G.** | Polypropylene with fibre glass. |
| **P.E** | Polyethylene. |

# Flanges and adaptors



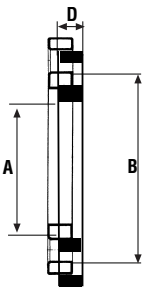

## Plain flange.

| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | D |
|---|---|---|---|---|---|---|
| 10025 | 50 | PVC | 248 | 62 | 110 | 17 |
| 10026 | 63 | PVC | 311 | 78 | 125 | 18 |
| 10027 | 75 | PVC | 406 | 92 | 145 | 19 |
| 10028 | 90 | PVC | 494 | 110 | 160 | 20 |
| 10029 | 110 | PVC | 614 | 133 | 180 | 21 |
| 10030 | 125 | PVC | 648 | 149 | 190 | 23 |
| 10038 | 140x125 | PVC | 810 | 149 | 210 | 26 |
| 10031 | 140 | PVC | 791 | 167 | 210 | 26 |
| 10032 | 160 | PVC | 1.073 | 190 | 240 | 28 |
| 10033 | 200 | PVC | 1.204 | 227 | 270 | 30 |
| 10142 | 200-PN10 | PVC | 1.684 | 235 | 295 | 34 |
| 10034 | 225 | PVC | 1.205 | 249 | 295 | 30 |
| 10128 | 250 | PVC | 1.790 | 285 | 350 | 34 |
| 10129 | 315 | PVC | 3.154 | 350 | 400 | 34 |
| 10037 | 400 | PVC | 4.278 | 439 | 515 | 50 |



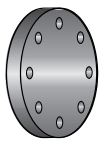

## Compact flange high resistance.

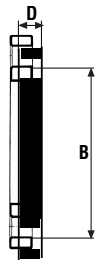
| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | D |
|---|---|---|---|---|---|---|
| 10200 | 50 | P.A. | 255 | 62 | 110 | 20 |
| 10201 | 63 | P.A. | 330 | 78 | 125 | 20 |
| 10202 | 75 | P.A. | 422 | 92 | 145 | 22 |
| 10203 | 90 | P.A. | 514 | 110 | 160 | 24 |
| 10204 | 110 | P.A. | 641 | 133 | 180 | 26 |
| 10205 | 125 | P.A. | 672 | 149 | 190 | 27 |
| 10075 | 140x125 | P.A. | 840 | 149 | 210 | 29 |
| 10206 | 140 | P.A. | 821 | 167 | 210 | 29 |
| 10207 | 160 | P.A. | 1.113 | 190 | 240 | 30 |
| 10208 | 200 | P.A. | 1.470 | 227 | 270 | 30 |
| 10209 | 200-PN10 | P.A. | 1.289 | 235 | 295 | 34 |
| 10210 | 225 | P.A. | 1.791 | 250 | 295 | 36 |




## Compact flange.

| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | D |
|---|---|---|---|---|---|---|
| 10015 | 50 | PPFV | 248 | 62 | 110 | 20 |
| 10016 | 63 | PPFV | 311 | 78 | 125 | 20 |
| 10017 | 75 | PPFV | 406 | 92 | 145 | 22 |
| 10018 | 90 | PPFV | 494 | 110 | 160 | 24 |
| 10019 | 110 | PPFV | 614 | 133 | 180 | 26 |
| 10020 | 125 | PPFV | 648 | 149 | 190 | 27 |
| 10070 | 140x125 | PPFV | 810 | 149 | 210 | 29 |
| 10021 | 140 | PPFV | 791 | 167 | 210 | 29 |
| 10022 | 160 | PPFV | 1.073 | 190 | 240 | 30 |
| 10023 | 200 | PPFV | 1.204 | 227 | 270 | 30 |
| 10119 | 200-PN10 | PPFV | 1.684 | 235 | 295 | 34 |
| 10024 | 225 | PPFV | 1.283 | 250 | 295 | 34 |

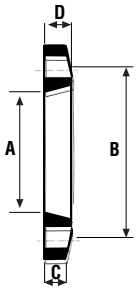





## Flange cap.

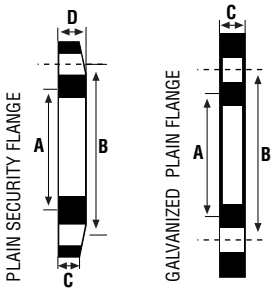
| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | B | D |
|---|---|---|---|---|---|
| 10060 | 50 | PVC | 487 | 110 | 17 |
| 10061 | 63 | PVC | 556 | 125 | 19 |
| 10062 | 75 | PVC | 644 | 145 | 19 |
| 10063 | 90 | PVC | 472 | 160 | 20 |
| 10064 | 110 | PVC | 680 | 180 | 22 |
| 10065 | 125 | PVC | 830 | 190 | 24 |
| 10066 | 140 | PVC | 1.050 | 210 | 26 |
| 10067 | 160 | PVC | 1.470 | 240 | 28 |
| 10068 | 200 | PVC | 2.085 | 270 | 30 |
| 10069 | 225 | PVC | 1.792 | 295 | 36 |

FLANGES, ADAPTORS AND UNIONS MANUFACTURED IN THE U.E. BY HIDROTEN, S.A., UNDER IT LICENSES AND TECHNOLOGY OF S.N.S.A.




## Conical security flange.

| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | C | D |
|---|---|---|---|---|---|---|---|
| 10091 | 90 | PVC | 530 | 110 | 160 | 20 | 26 |
| 10092 | 110 | PVC | 640 | 134 | 180 | 22 | 31 |
| 10093 | 125 | PVC | 673 | 149 | 190 | 24 | 33 |
| 10094 | 140 | PVC | 821 | 167 | 210 | 26 | 35 |
| 10095 | 160 | PVC | 1.172 | 184 | 240 | 28 | 37 |
| 10096 | 200 | PVC | 1.253 | 228 | 270 | 30 | 40 |

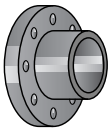


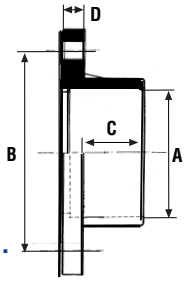

## Plain security flange .

| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | C | D |
|---|---|---|---|---|---|---|---|
| 10008 | 90 | PVC | 562 | 110 | 160 | 20 | 26 |
| 10009 | 110 | PVC | 672 | 133 | 180 | 22 | 31 |
| 10010 | 125 | PVC | 717 | 149 | 190 | 24 | 33 |
| 10011 | 140 | PVC | 885 | 167 | 210 | 26 | 35 |
| 10012 | 160 | PVC | 1.185 | 190 | 240 | 28 | 37 |
| 10013 | 200 | PVC | 1.302 | 228 | 270 | 30 | 40 |

## Galvanized plain flange.

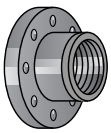
| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | C | Nº HOLES | Ø HOLES |
|---|---|---|---|---|---|---|---|---|
| 10505 | 50 | STEEL | 1.640 | 63 | 125 | 12 | 4 | 18 |
| 10506 | 63 | STEEL | 2.026 | 78 | 145 | 12 | 4 | 18 |
| 10507 | 75 | STEEL | 1.925 | 92 | 145 | 13 | 4 | 18 |
| 10508 | 90 | STEEL | 1.908 | 110 | 160 | 12 | 8 | 18 |
| 10509 | 110 | STEEL | 2.191 | 132 | 170 | 13 | 8 | 18 |
| 10510 | 125 | STEEL | 3.070 | 149 | 210 | 13 | 8 | 18 |
| 10511 | 140 | STEEL | 2.256 | 167 | 210 | 12 | 8 | 18 |
| 10512 | 160 | STEEL | 3.150 | 190 | 240 | 13 | 8 | 22 |
| 10513 | 200 | STEEL | 5.228 | 230 | 295 | 15 | 8 | 22 |
| 10516 | 250 | STEEL | 6.084 | 282 | 370 | 15 | 12 | 22 |
| 10517 | 315 | STEEL | 6.540 | 348 | 378 | 15 | 12 | 22 |

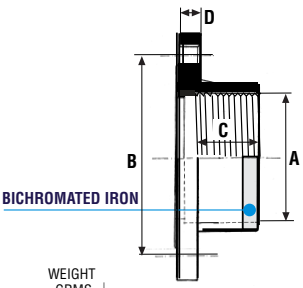





## Compact flange solvent socket outlet.

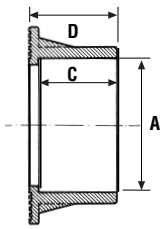
| CODE | Ø PIPE A | MATERIAL | WEIGHT GRMS. PER UNIT | C | B | D |
|---|---|---|---|---|---|---|
| 10045 | 50 | PVC | 340 | 31 | 110 | 18 |
| 10046 | 63 | PVC | 408 | 38 | 125 | 18 |
| 10047 | 75 | PVC | 544 | 45 | 145 | 19 |
| 10048 | 90 | PVC | 716 | 50 | 160 | 21 |
| 10049 | 110 | PVC | 977 | 61 | 180 | 23 |
| 10050 | 125 | PVC | 1.160 | 69 | 190 | 24 |
| 10051 | 140 | PVC | 1.467 | 76 | 210 | 27 |
| 10052 | 160 | PVC | 2.050 | 86 | 240 | 28 |






## Compact flange, threaded outlet reinforced

| CODE | Ø PIPE A | MATERIAL | WEIGHT GRMS. PER UNIT | C | B | D |
|---|---|---|---|---|---|---|
| 10055 | 1 1/2” | PVC | 384 | 29 | 110 | 18 |
| 10056 | 2” | PVC | 445 | 30 | 125 | 18 |
| 10057 | 2 1/2” | PVC | 612 | 30 | 145 | 19 |
| 10058 | 3” | PVC | 729 | 35 | 160 | 21 |
| 10059 | 4” | PVC | 956 | 39 | 180 | 23 |

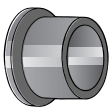


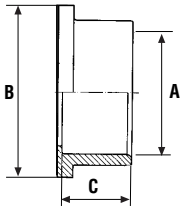

## Conical security ADAPTOR.

| CODE | Ø PIPE A | MATERIAL | WEIGHT GRMS. PER UNIT | C | D |
|---|---|---|---|---|---|
| 10099 | 90 | PVC | 370 | 54 | 66 |
| 10101 | 110 | PVC | 482 | 60 | 67 |
| 10102 | 125 | PVC | 647 | 68 | 77 |
| 10103 | 140 | PVC | 915 | 73 | 85 |
| 10104 | 160 | PVC | 1.116 | 83 | 96 |
| 10105 | 200 | PVC | 1.675 | 106 | 114 |

# Flanges and adaptors

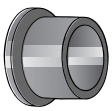
## Plain adaptor.

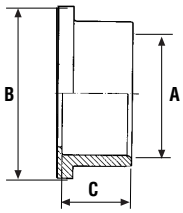





| CODE | Ø PIPE A | MATERIAL | WEIGHT GRMS. PER UNIT | B | C |
|---|---|---|---|---|---|
| 10130 | 50 | PVC | 62 | 73 | 31 |
| 10131 | 63 | PVC | 107 | 90 | 38 |
| 10132 | 75 | PVC | 185 | 106 | 44 |
| 10133 | 90 | PVC | 275 | 125 | 51 |
| 10134 | 110 | PVC | 497 | 150 | 60 |
| 10135 | 125 | PVC | 597 | 168 | 69 |
| 10136 | 140 | PVC | 824 | 188 | 76 |
| 10137 | 160 | PVC | 1.158 | 213 | 86 |
| 10138 | 200 | PVC | 1.598 | 247 | 106 |
| 10143 | 200-PN10 | PVC | 1.874 | 261 | 106 |
| 10139 | 225 | PVC | 1.762 | 274 | 127 |
| 10140 | 250 | PVC | 2.700 | 328 | 131 |
| 10141 | 315 | PVC | 4.816 | 378 | 164 |
| 10144 | 400 | PVC | 8.706 | 485 | 220 |

## Imperial plain adaptor.

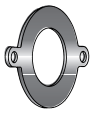


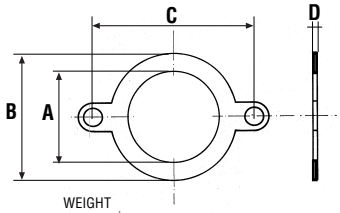



| CODE | Ø PIPE A | MATERIAL | WEIGHT GRMS. PER UNIT | B | C |
|---|---|---|---|---|---|
| 10402 | 2 1/2" | PVC | 185 | 106 | 44 |
| 10403 | 3" | PVC | 275 | 125 | 51 |
| 10404 | 4" | PVC | 497 | 150 | 60 |
| 10405 | 5" | PVC | 597 | 168 | 69 |
| 10406 | 6" | PVC | 824 | 188 | 76 |
| 10407 | 8" | PVC | 1.158 | 213 | 86 |

# Flange links.

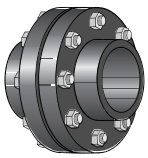
## Flat gasket.

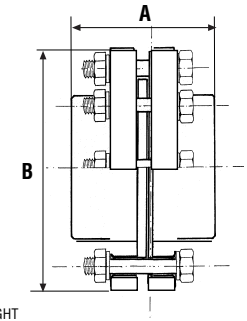





| CODE | Ø PIPE A | MATERIAL | WEIGHT GRMS. PER UNIT | B | C | D |
|---|---|---|---|---|---|---|
| 10159 | 50 | EVA | 9 | 71 | 110 | 3 |
| 10160 | 63 | EVA | 11 | 88 | 125 | 3 |
| 10161 | 75 | EVA | 15 | 104 | 145 | 3 |
| 10121 | 90 | EVA | 21 | 123 | 160 | 3 |
| 10122 | 110 | EVA | 34 | 146 | 180 | 4 |
| 10123 | 125 | EVA | 39 | 163 | 190 | 4 |
| 10124 | 140 | EVA | 51 | 183 | 210 | 4 |
| 10125 | 160 | EVA | 64 | 207 | 240 | 4 |
| 10126 | 200 | EVA | 109 | 240 | 270 | 5 |
| 10250 | 225 | RUBBER | 89 | 263 | 77 | 3 |
| 10251 | 250 | RUBBER | 141 | 309 | 92 | 4 |
| 10252 | 315 | RUBBER | 157 | 366 | 104 | 4 |
| 10253 | 400 | RUBBER | 183 | 378 | 106 | 5 |

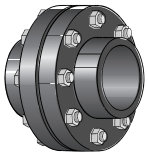
## Plain flange set.



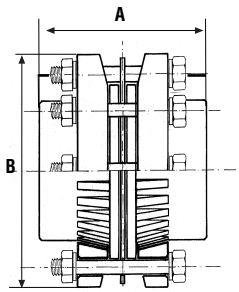



| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B |
|---|---|---|---|---|---|
| 10147 | 50 | PVC | 1.395 | 71 | 150 |
| 10148 | 63 | PVC | 1.726 | 87 | 165 |
| 10149 | 75 | PVC | 2.046 | 97 | 185 |
| 10150 | 90 | PVC | 3.278 | 115 | 200 |
| 10151 | 110 | PVC | 4.104 | 136 | 220 |
| 10152 | 125 | PVC | 4.455 | 152 | 230 |
| 10153 | 140 | PVC | 5.214 | 166 | 250 |
| 10154 | 160 | PVC | 6.298 | 186 | 285 |
| 10155 | 200 | PVC | 9.769 | 229 | 315 |
| 10117 | 200-PN10 | PVC | 11.841 | 242 | 340 |
| 10156 | 225 | PVC | 10.953 | 255 | 340 |
| 10157 | 250 | PVC | 14.319 | 284 | 399 |
| 10158 | 315 | PVC | 21.243 | 351 | 450 |

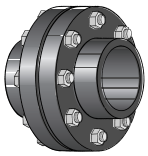
Sistemas y Tecnología del agua/Water System Technology



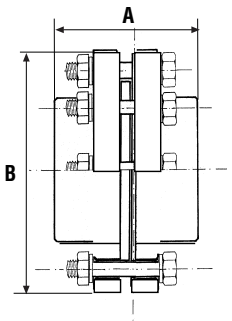
## Conical security flange set.



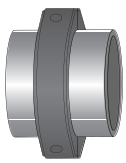

| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B |
|---|---|---|---|---|---|
| 10106 | 90 | PVC | 4.313 | 115 | 200 |
| 10107 | 110 | PVC | 4.954 | 136 | 220 |
| 10108 | 125 | PVC | 5.495 | 152 | 230 |
| 10109 | 140 | PVC | 6.414 | 166 | 250 |
| 10110 | 160 | PVC | 9.791 | 186 | 285 |
| 10111 | 200 | PVC | 11.056 | 229 | 315 |



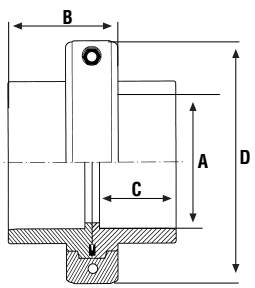
## Imperial plain set “BS”




| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B |
|---|---|---|---|---|---|
| 10457 | 2 1/2” | PVC | 1.809 | 97 | 185 |
| 10458 | 3” | PVC | 2.703 | 115 | 200 |
| 10459 | 4” | PVC | 2.858 | 136 | 220 |
| 10460 | 5” | PVC | 5.907 | 166 | 250 |
| 10461 | 6” | PVC | 6.028 | 186 | 285 |
| 10462 | 8” | PVC | 7.154 | 229 | 315 |



## Union Netvitc®System.




| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | C | D |
|---|---|---|---|---|---|---|---|
| 10327 | 90 | PVC | 1.347 | 90 | 105 | 51 | 204 |
| 10328 | 110 | PVC | 1.482 | 110 | 132 | 61 | 204 |
| 10329 | 125 | PVC | 1.593 | 125 | 150 | 69 | 251 |
| 10330 | 140 | PVC | 2.693 | 140 | 159 | 76 | 251 |
| 10331 | 160 | PVC | 3.025 | 160 | 181 | 86 | 251 |

# Flange sets with their own characteristics:

### Generic characteristics:

-The flange set (**with order of tightening incorporated**), ensures that the compression of the flat gaskets in EVA (vinyl acetate Ethylene), found between the body of the valve and the flanges assure a totally watertight union.

-The thickness are sized and have symmetrical points, carefully treated to guarantee the maximum resistance.

### NETVITC® SYSTEM three pieces union

-A new range of three piece union, easily mounted with just two screws.

-Its system of double leap joints permit maximum tightness.

-Its plastic elements (PVC, PA) and other incorporated features (nuts-bolts and joints) give it a special resistance in its different working areas.

-Sizes from 90 - 160.

### Uses:

-These unions are to be used for the union of PVC piping. When gluing use an adhesive with a THF base. (*Use adhesive PVC HIDROTEN.)*

### Installation:

-When installing use standard piping, **UNE-EN 1452.**

### Normative:

-Accordance with **Standard UNE-EN 1452.**

# and their order of tightening.

## Mounting of flange.

-Align flanges prior to installation.

-An appropriate spanner should be used to tighten screws adequately as required in the instructions.

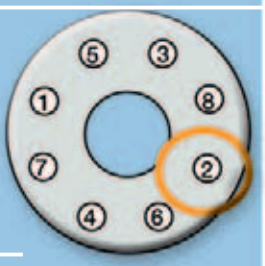
-Tighten screws in the order indicated on the flange, slowly until desired tightness is reached.

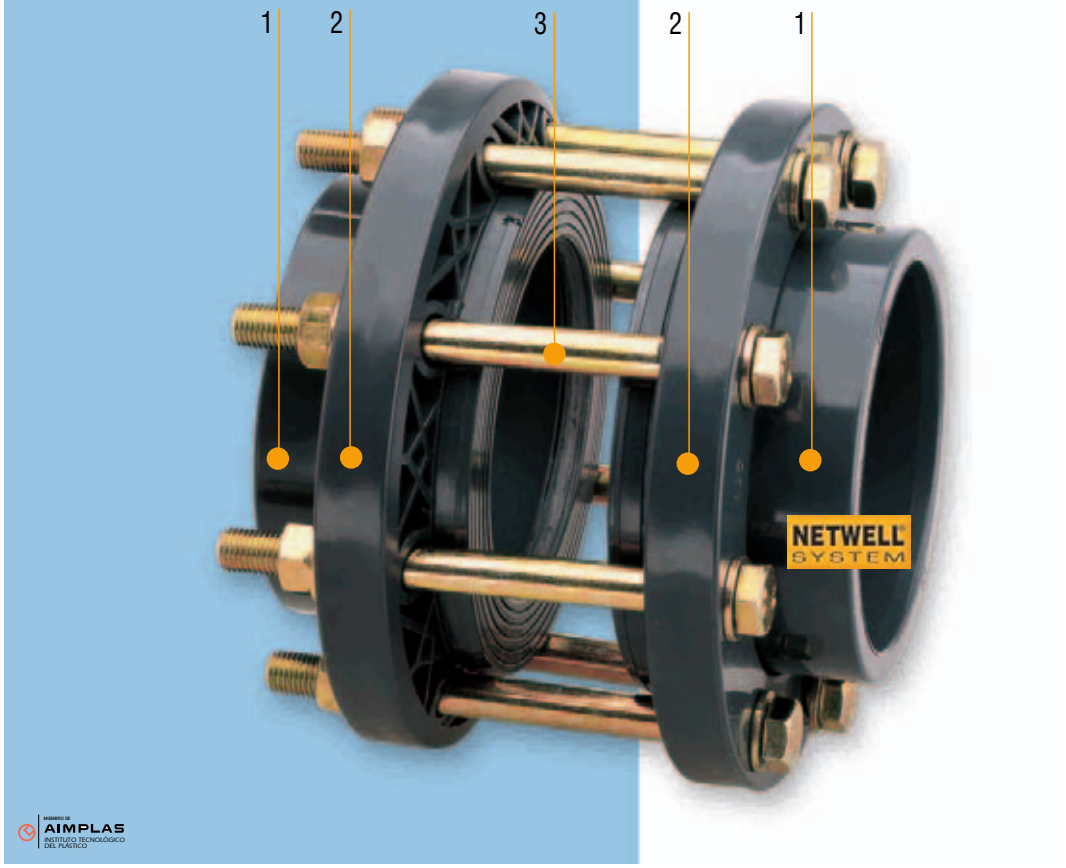
-Thoroughly clean the excess adhesive once the pipe is glued.

*(Use adhesive:P.V.C. Hidroten.)*

### Order of tightening incorporated in the flange

| Flange | Screws | Pair tightening |
|---|---|---|
| 50 | M16 | 28-42 |
| 63 | M16 | 28-42 |
| 75 | M16 | 28-42 |
| 90 | M16 | 28-42 |
| 110 | M16 | 28-42 |
| 125 | M16 | 28-42 |
| 140 | M16 | 28-42 |
| 160 | M20 | 46-71 |
| 200 | M20 | 46-71 |

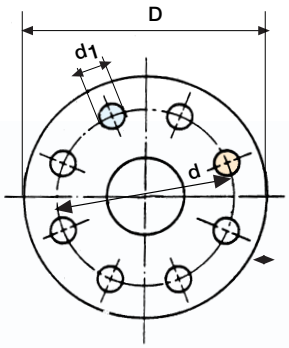



## Flanges for general use pipes

**Metric series-measurements for connections. UNE 68-074-86**

| PN 10 | | | | | |
|---|---|---|---|---|---|
| DN | D | d | $d_1$ | Rosca | n |
| 50 | 165 | 125 | 18 | M16 | 4 |
| 80 | 200 | 160 | 18 | M16 | 8 |
| 100 | 220 | 180 | 18 | M16 | 8 |
| 150 | 285 | 240 | 22 | M20 | 8 |
| 200 | 340 | 295 | 22 | M20 | 8 |
| 250 | 395 | 350 | 22 | M20 | 12 |
| 300 | 445 | 400 | 22 | M20 | 12 |




DN = Diameter of pipe.
D = Exterior diameter of flange.
d = Diameter of circumference.

$d_1$ = Ø of the passing holes.
Screw = Sice of screws.
n = Number of screws required.
PN = Nominal pressure in bar.

## Nomenclature and materials

1.- (U-PVC) Adaptors
2.- (U-PVC) Flanges
3.- Bichromated I. screws

# Netvitc® System Unions



## Characteristics:

-**The exclusive NETVITC® System** has been developed and manufactured with the purpose of offering the installer a **basic range of flanges and links in plastic** which have advantages both in the **ease of installation and the versatility of usage with piping made of different materials.** (conforming to standards), and a considerable **saving in costs and labour.** The system of flange and connection NETVITC® have a **high level of flexibility and adjustment**, reducing vibrations to a minimum.

## Uses:

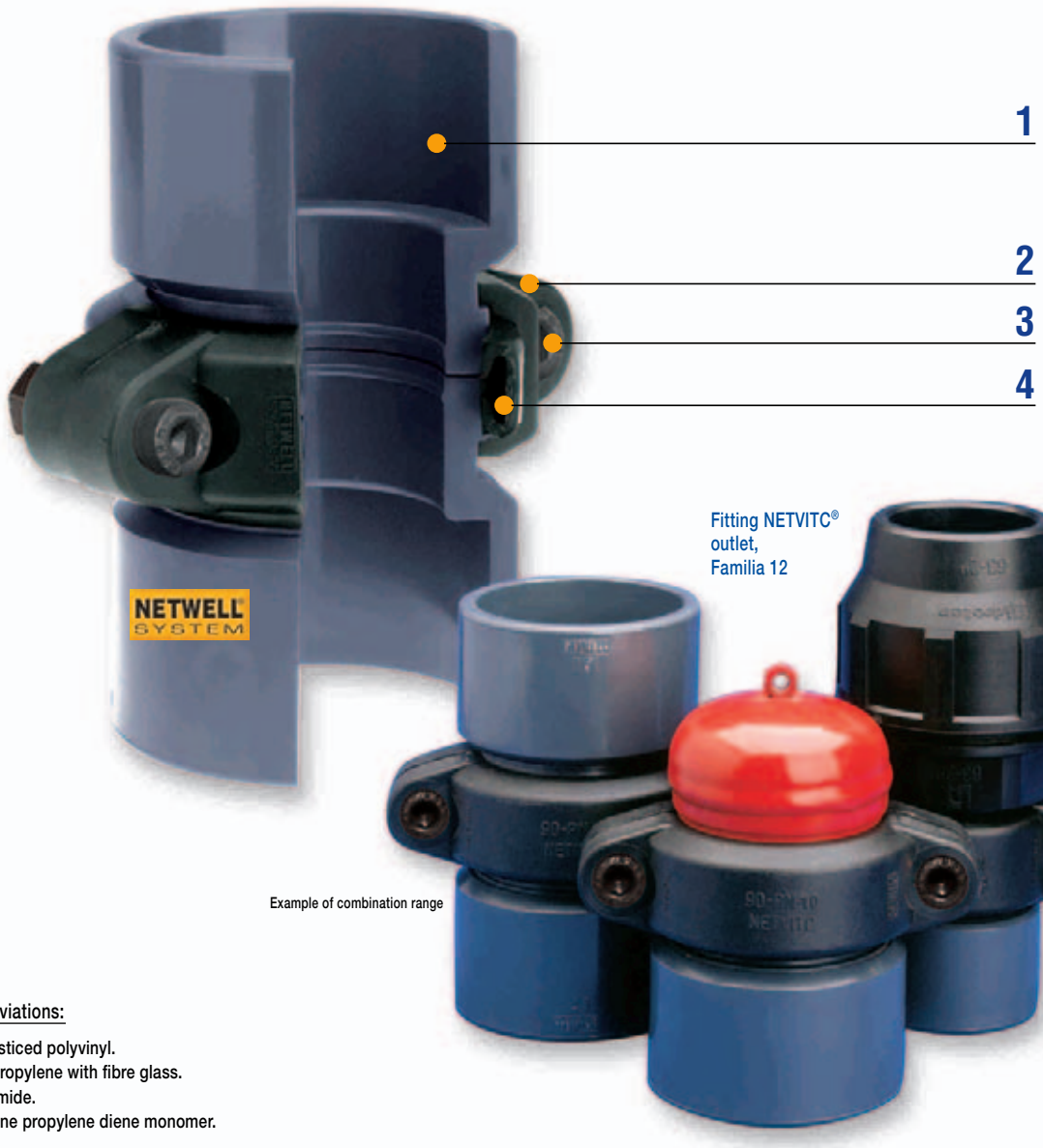
It is a system of links apt for uniting elements in PVC Y PE.

Due to its design it is flexible and can therefore be used in installations which demand mobility.

## With the ideal materials

### Nomenclature and materials:

1.- U.-**P.V.C.** Solvent socket coupling.
2.- **P.A.**, Flange.
3.- Screws in **INOX** or black colour.
4.- **E.P.D.M.** Oring



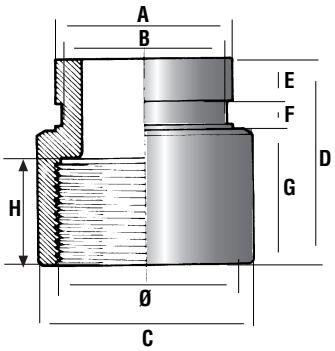

Fitting NETVITC® outlet, Familia 12

Example of combination range

### Technical abbreviations:

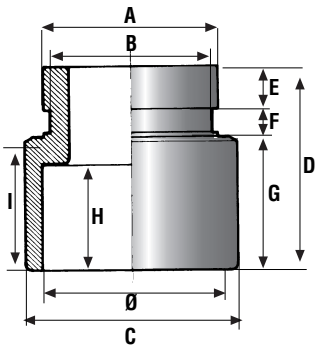
**U.-P.V.C.** Unplasticed polyvinyl.
**P.P.F.G.** Polypropylene with fibre glass.
**P.A.** Polyamide.
**EPDM** Ethylene propylene diene monomer.

## Product range:



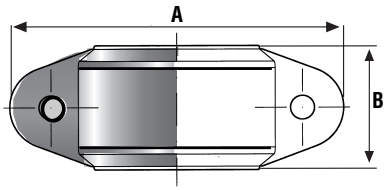

### NETVITC® Sleeve, female threaded outlet.

| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10n07 | 2" | PVC | 169 | 61 | 56 | 75 | 72 | 16 | 8 | 48 | 34 |
| 10n09 | 3" | PVC | 335 | 89 | 83 | 105 | 88 | 16 | 11 | 62 | 46 |
| 10n10 | 4" | PVC | 630 | 116 | 110 | 131 | 105 | 17 | 11 | 77 | 43 |




### NETVITC® Sleeve, solvent socket outlet.

| CODE | Ø PIPE | MATERIAL | WEIGHT GRMS. PER UNIT | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10n17 | 63 | PVC | 143 | 61 | 56 | 75 | 72 | 16 | 8 | 48 | 38 | - |
| 10n19 | 90 | PVC | 314 | 89 | 81 | 105 | 88 | 16 | 11 | 62 | 51 | - |
| 10n20 | 110-125 | PVC | 610 | 116 | 110 | 124 | 105 | 17 | 11 | 77 | 64 | 69 |




### NETVITC® flange

| CODE | Ø PIPE | WEIGHT GRMS. PER UNIT | A | B |
|---|---|---|---|---|
| 10n32 | 63 | 285 | 132 | 50 |
| 10n34 | 90 | 420 | 163 | 49 |
| 10n35 | 110 | 580 | 200 | 54 |

Materials:
P.A. flanges, E.P.D.M. oring and SCREWS in INOX or BLACK COLOUR.

Technical abbreviations:

**EPDM** Ethylene propylene diene monomer.
**P.A.** Polyamide.
**U.-P.V.C.** Unplasticed poly vinyl.
**P.P.** Polypropylene.

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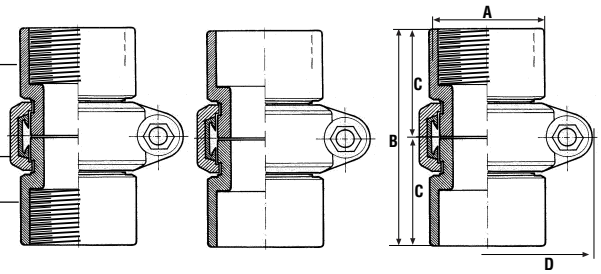
# A System of Advantages.

-Applicable to connections with P.V.C. outlets; metalic or with outlets suitable for polyethylene piping and options of combinations with other ranges.

Examples:

| OUTLETS | A | B | C | D |
|---|---|---|---|---|
| 2"-63 | 75 | 146 | 72 | 132 |
| 3"-90 | 105 | 178 | 88 | 163 |
| 4"-110 | 131-124 | 210 | 105 | 200 |




Threaded outlets. Solvent socket outlets. Solvent S.-Threaded outlets

## Nominal Pressure:

PN = 10 bar. | 145 psi

## Manufacture and Materials:

### NETVITC® SLEEVES

-Manufactured entirely in P.V.C. or P.P., **moulded by direct injection** without union joints.

### NETVITC® FLANGES

-Manufactured P.A.(Polyamide) by direct moulding.

-Sized to give **maximum resistance in usage and tightening.**

-Perfect assemblange with the sleeves.

### NETVITC® UNIONS

-Manufactured in E.P.D.M.(ethylene, propylene diene monomer).

-Upon tightening of their fitting segments, these **adapt perfectly to the internal space**, and so increase the tightness of the seal with the tube.

-In relation to the internal pressure the NETVITC® union **reacts giving greater sealing which increases as does the pressure.**

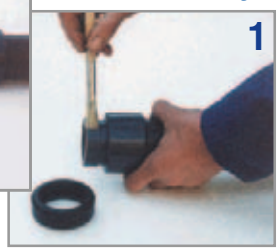
-The configuration of the NETVITC® union assures a **perfect adjustment in its fitting and grooves,** obtaining by means of its elasticity improved sealing.

-In diversity of piping materials the NETVITC® union offers the maximum level of sealing.

## Mounting a double NETVITC®sleeve

### Quick and Easy

-We start once the first link is glued as is normal with P.V.C.




-Grease the half sheave of the union


-Introduce NETVITC® joint to the limit.


-Introduce the other link until it meets the first and proceed to centre the joint.



-Place the other part of the flange and situate the washers and screws and proceed to tighten evenly.

**Pair tightening: 30 Nm**

- Acces. presión encolar, PVC
- Acces. presión mixtos PVC
- Bridas y enlaces NETVITC®
- Bridas y Portabridas
- Collarines toma
- Collarines bisagra. PPFV
- Accesorios roscados, P.P.
- Acc. para tubos de polietileno
- Acc. latón para tubos de polietileno
- Válv. mariposa.
- Válvulas de bola
- Válv. de retención SYSTEM®
- Válv. aspiración NETWELL®
- Válv. de retención lineal.SYSTEM/NETVITC®
- Válvula antirretorno de enlace
- Goteros
- Acces.microirrigación
- Filtros
- Visor de líquidos
- Adhesivo PVC

- *PVC.Pres. glued fittings.*
- *PVC. Pres.glued-thread fittings*
- *NETVITC® Flange-coupling*
- *Flanges and Adaptors*
- *Clamp saddles.*
- *GFRP. Hinged sleeves.*
- *P.P. Threaded fittings.*
- *P.P. Fittings.*
- *Butterfly valves.*
- *Ball valves.*
- *SYSTEM® Check valves*
- *NETWELL® Aspiration valves*
- *Lineal check valve.*
- *Check (non return) valve with spring*
- *Drip irrigation*
- *Micro-irrigat. fittings*
- *Filter.*
- *Fluids display socket*
- *PVC. Glue and cleaner*

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- Vannes de retenue SYSTEM®
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- Vannes à papillon.
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