

# IRRIGATION

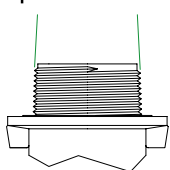
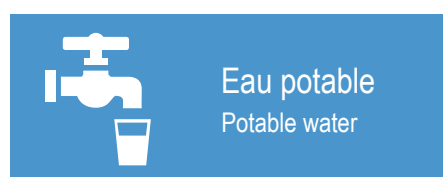


### AVANTAGES / *ADVANTAGES*

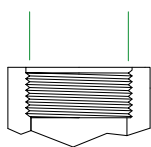
- Facilité d'insertion du tuyau / *Easy pipe insertion*
- Super étanchéité / *Higher water tightness*
- Rapidité de montage / *Quick assembly*

### NORMES / *STANDARDS*

- UNI9561
- AS/NZS4129
- BRL-K 17105



FILETAGE MALE (CONE)  
*MALE THREADS (CONICAL)*



FILETAGE FEMELLE (DROIT)  
*FEMALE THREADS (PARALLEL)*



Ecrou (PP) / *Nut (PP)*



Bague crantée (POM) / *Grip ring (POM)*



Douille de poussée (PP) / *Spacer ring (PP)*



Joint (NBR) / *Gasket (NBR)*



Corps (PP) / *Corps (PP)*

### ABBREVIATION / *SYMBOLS*

DE : Diamètre extérieur du tube (mm)  
*External diameter of the pipe (mm)*

de : Diamètre extérieur du tube sur dérivation réduite (mm)  
*External diameter of the pipe on reduced outlet (mm)*

G : Diamètre du filetage  
*Diameter of the threads*

PFA : Pression de fonctionnement admissible (bar)  
*Permissible operating pressure (bar)*



**TE REDUIT A 90°**

REDUCTING 90° TEE

| Ref      | DE             | PFA |
|----------|----------------|-----|
| TP75020A | 20 x 16 x 20   | 16  |
| TP75025B | 25 x 20 x 25   | 16  |
| TP75032C | 32 x 25 x 32   | 16  |
| TP75040D | 40 x 32 x 40   | 16  |
| TP75050E | 50 x 40 x 50   | 16  |
| TP75063F | 63 x 50 x 63   | 16  |
| TP75075G | 75 x 63 x 75   | 16  |
| TP75090H | 90 x 75 x 90   | 10  |
| TP75110G | 110 x 63 x 110 | 10  |



**TE EGAL A 90°**

90° TEE

| Ref      | DE  | PFA |
|----------|-----|-----|
| TP800160 | 16  | 16  |
| TP800200 | 20  | 16  |
| TP800250 | 25  | 16  |
| TP800320 | 32  | 16  |
| TP800400 | 40  | 16  |
| TP800500 | 50  | 16  |
| TP800630 | 63  | 16  |
| TP800750 | 75  | 10  |
| TP800900 | 90  | 10  |
| TP801100 | 110 | 10  |



**TE A 90° FILETE MALE**

90° MALE TEE

| Ref      | DE x G x DE      | PFA |
|----------|------------------|-----|
| TP90016B | 16 x 1/2" x 16   | 16  |
| TP90016C | 16 x 3/4" x 16   | 16  |
| TP90020B | 20 x 1/2" x 20   | 16  |
| TP90020C | 20 x 3/4" x 20   | 16  |
| TP90025B | 25 x 1/2" x 25   | 16  |
| TP90025C | 25 x 3/4" x 25   | 16  |
| TP90025D | 25 x 1" x 25     | 16  |
| TP90032B | 32 x 1/2" x 32   | 16  |
| TP90032C | 32 x 3/4" x 32   | 16  |
| TP90032D | 32 x 1" x 32     | 16  |
| TP90032E | 32 x 1 1/4" x 32 | 16  |
| TP90040D | 40 x 1" x 40     | 16  |
| TP90040E | 40 x 1 1/4" x 40 | 16  |
| TP90040F | 40 x 1 1/2" x 40 | 16  |
| TP90050E | 50 x 1 1/4" x 50 | 16  |
| TP90050F | 50 x 1 1/2" x 50 | 16  |
| TP90050G | 50 x 2" x 50     | 16  |
| TP90063F | 63 x 1 1/2" x 63 | 16  |
| TP90063G | 63 x 2" x 63     | 16  |
| TP90063H | 63 x 2 1/2" x 63 | 16  |
| TP90075H | 75 x 2 1/2" x 75 | 10  |



**TE A 90° FILETE FEMELLE**

90° FEMALE TEE

| Ref      | DE x G x DE      | PFA | Ref      | DE x G x DE      | PFA |
|----------|------------------|-----|----------|------------------|-----|
| TP85016B | 16 x 1/2" x 16   | 16  | TP85050E | 50 x 1 1/4" x 50 | 16  |
| TP85016C | 16 x 3/4" x 16   | 16  | TP85050F | 50 x 1 1/2" x 50 | 16  |
| TP85020B | 20 x 1/2" x 20   | 16  | TP85050G | 50 x 2" x 50     | 16  |
| TP85020C | 20 x 3/4" x 20   | 16  | TP85063F | 63 x 1 1/2" x 63 | 16  |
| TP85025B | 25 x 1/2" x 25   | 16  | TP85063G | 63 x 2" x 63     | 16  |
| TP85025C | 25 x 3/4" x 25   | 16  | TP85063H | 63 x 2 1/2" x 63 | 10  |
| TP85025D | 25 x 1" x 25     | 16  | TP85075G | 75 x 2" x 75     | 10  |
| TP85032B | 32 x 1/2" x 32   | 16  | TP85075H | 75 x 2 1/2" x 75 | 10  |
| TP85032C | 32 x 3/4" x 32   | 16  | TP85075I | 75 x 3" x 75     | 10  |
| TP85032D | 32 x 1" x 32     | 16  | TP85090H | 90 x 2 1/2" x 90 | 10  |
| TP85032E | 32 x 1 1/4" x 32 | 16  | TP85090I | 90 x 3" x 90     | 10  |
| TP85040D | 40 x 1" x 40     | 16  | TP85110I | 110 x 3" x 110   | 10  |
| TP85040E | 40 x 1 1/4" x 40 | 16  | TP85110L | 110 x 4" x 110   | 10  |
| TP85040F | 40 x 1 1/2" x 40 | 16  |          |                  |     |



**RACCORD FILETE MALE**

MALE ADAPTOR

| Ref      | DE x G      | PFA | Ref      | DE x G      | PFA |
|----------|-------------|-----|----------|-------------|-----|
| TP95016B | 16 x 1/2"   | 16  | TP95050E | 50 x 1 1/4" | 16  |
| TP95016C | 16 x 3/4"   | 16  | TP95050F | 50 x 1 1/2" | 16  |
| TP95020B | 20 x 1/2"   | 16  | TP95050G | 50 x 2"     | 16  |
| TP95020C | 20 x 3/4"   | 16  | TP95063E | 63 x 1 1/4" | 16  |
| TP95020D | 20 x 1"     | 16  | TP95063F | 63 x 1 1/2" | 16  |
| TP95025B | 25 x 1/2"   | 16  | TP95063G | 63 x 2"     | 16  |
| TP95025C | 25 x 3/4"   | 16  | TP95063H | 63 x 2 1/2" | 16  |
| TP95025D | 25 x 1"     | 16  | TP95075G | 75 x 2"     | 16  |
| TP95032B | 32 x 1/2"   | 16  | TP95075H | 75 x 2 1/2" | 16  |
| TP95032C | 32 x 3/4"   | 16  | TP95075I | 75 x 3"     | 16  |
| TP95032D | 32 x 1"     | 16  | TP95090G | 90 x 2"     | 16  |
| TP95032E | 32 x 1 1/4" | 16  | TP95090H | 90 x 2 1/2" | 16  |
| TP95032F | 32 x 1 1/2" | 16  | TP95090I | 90 x 3"     | 16  |
| TP95040D | 40 x 1"     | 16  | TP95090L | 90 x 4"     | 16  |
| TP95040E | 40 x 1 1/4" | 16  | TP95110G | 110 x 2"    | 16  |
| TP95040F | 40 x 1 1/2" | 16  | TP95110I | 110 x 3"    | 16  |

# RACCORD A COMPRESSION

## COMPRESSION FITTINGS



**RACCORD TARAUDE**  
FEMALE ADAPTOR

| Ref     | DE x G     | PFA |
|---------|------------|-----|
| RTP016B | 16 x 1/2"  | 16  |
| RTP016C | 16 x 3/4"  | 16  |
| RTP020B | 20 x 1/2"  | 16  |
| RTP020C | 20 x 3/4"  | 16  |
| RTP025B | 25 x 1/2"  | 16  |
| RTP025C | 25 x 3/4"  | 16  |
| RTP025D | 25 x 1"    | 16  |
| RTP032B | 32 x 1/2"  | 16  |
| RTP032C | 32 x 3/4"  | 16  |
| RTP032D | 32 x 1"    | 16  |
| RTP032E | 32 x 1"1/4 | 16  |
| RTP040D | 40 x 1"    | 16  |
| RTP040E | 40 x 1"1/4 | 16  |
| RTP040F | 40 x 1"1/2 | 16  |
| RTP050E | 50 x 1"1/4 | 16  |
| RTP050F | 50 x 1"1/2 | 16  |
| RTP050G | 50 x 2"    | 16  |
| RTP063F | 63 x 1"1/2 | 16  |
| RTP063G | 63 x 2"    | 16  |
| RTP063H | 63 x 2"1/2 | 16  |
| RTP075G | 75 x 2"    | 10  |
| RTP075H | 75 x 2"1/2 | 10  |
| RTP075I | 75 x 3"    | 10  |
| RTP090G | 90 x 2"    | 10  |
| RTP090H | 90 x 2"1/2 | 10  |
| RTP090I | 90 x 3"    | 10  |
| RTP090L | 90 x 4"    | 10  |
| RTP110G | 110 x 2"   | 10  |
| RTP110I | 110 x 3"   | 10  |
| RTP110L | 110 x 4"   | 10  |



**BOUCHON**  
PLUG

| Ref     | DE  | PFA |
|---------|-----|-----|
| BLA0160 | 16  | 16  |
| BLA0200 | 20  | 16  |
| BLA0250 | 25  | 16  |
| BLA0320 | 32  | 16  |
| BLA0400 | 40  | 16  |
| BLA0500 | 50  | 16  |
| BLA0630 | 63  | 16  |
| BLA0750 | 75  | 16  |
| BLA0900 | 90  | 16  |
| BLA1100 | 110 | 16  |



**RACCORD TARAUDE**  
FEMALE ADAPTOR

| Ref         | DE x G     | DN  | PFA |
|-------------|------------|-----|-----|
| JAP7220040F | 40 x 1"1/2 | 40  | 16  |
| JAP7220050F | 50 x 1"1/2 | 40  | 16  |
| JAP7220050G | 50 x 2"    | 50  | 16  |
| JAP7220063G | 63 x 2"    | 50  | 16  |
| JAP7220075H | 75 x 2"1/2 | 65  | 16  |
| JAP7220090I | 90 x 3"    | 80  | 16  |
| JAP7220090L | 90 x 4"    | 100 | 16  |
| JAP7220110L | 110 x 4"   | 100 | 16  |



**MANCHON**  
COUPLING

| Ref     | DE  | PFA |
|---------|-----|-----|
| MEP0160 | 16  | 16  |
| MEP0200 | 20  | 16  |
| MEP0250 | 25  | 16  |
| MEP0320 | 32  | 16  |
| MEP0400 | 40  | 16  |
| MEP0500 | 50  | 16  |
| MEP0630 | 63  | 16  |
| MEP0750 | 75  | 16  |
| MEP0900 | 90  | 16  |
| MEP1100 | 110 | 16  |



**MANCHON REDUIT**  
REDUCING COUPLING

| Ref     | DE x DE  | PFA |
|---------|----------|-----|
| MPP020A | 20 x 16  | 16  |
| MPP025A | 25 x 16  | 16  |
| MPP025B | 25 x 20  | 16  |
| MPP032B | 32 x 20  | 16  |
| MPP032C | 32 x 25  | 16  |
| MPP040C | 40 x 25  | 16  |
| MPP040D | 40 x 32  | 16  |
| MPP050D | 50 x 32  | 16  |
| MPP050E | 50 x 40  | 16  |
| MPP063D | 63 x 32  | 16  |
| MPP063E | 63 x 40  | 16  |
| MPP063F | 63 x 50  | 16  |
| MPP075F | 75 x 50  | 16  |
| MPP075G | 75 x 63  | 16  |
| MPP090G | 90 x 63  | 16  |
| MPP090H | 90 x 75  | 16  |
| MPPMPPG | 110 x 63 | 16  |
| MPPMPPH | 110 x 75 | 16  |



**JOINT VICTAULIC**  
VICTAULIC JOINT

| Ref      | DE x G   | PFA |
|----------|----------|-----|
| JVI0050G | 50 x 2"  | 16  |
| JVI0063G | 63 x 2"  | 16  |
| JVI0110L | 110 x 4" | 16  |



**COUDE 90°**  
**90° ELBOW**

| Ref     | DE  | PFA |
|---------|-----|-----|
| CPS0160 | 16  | 16  |
| CPS0200 | 20  | 16  |
| CPS0250 | 25  | 16  |
| CPS0320 | 32  | 16  |
| CPS0400 | 40  | 16  |
| CPS0500 | 50  | 16  |
| CPS0630 | 63  | 16  |
| CPS0750 | 75  | 16  |
| CPS0900 | 90  | 16  |
| CPS1100 | 110 | 16  |



**COUDE 90° FILETE**  
**MALE**  
**90° MALE ELBOW**

| Ref     | DE x G     | PFA |
|---------|------------|-----|
| CPL016B | 16 x 1/2"  | 16  |
| CPL016C | 16 x 3/4"  | 16  |
| CPL020B | 20 x 1/2"  | 16  |
| CPL020C | 20 x 3/4"  | 16  |
| CPL025B | 25 x 1/2"  | 16  |
| CPL025C | 25 x 3/4"  | 16  |
| CPL025D | 25 x 1"    | 16  |
| CPL032B | 32 x 1/2"  | 16  |
| CPL032C | 32 x 3/4"  | 16  |
| CPL032D | 32 x 1"    | 16  |
| CPL032E | 32 x 1"1/4 | 16  |
| CPL040D | 40 x 1"    | 16  |
| CPL040E | 40 x 1"1/4 | 16  |
| CPL040F | 40 x 1"1/2 | 16  |
| CPL050E | 50 x 1"1/4 | 16  |
| CPL050F | 50 x 1"1/2 | 16  |
| CPL050G | 50 x 2"    | 16  |
| CPL063F | 63 x 1"1/2 | 16  |
| CPL063G | 63 x 2"    | 16  |
| CPL063H | 63 x 2"1/2 | 16  |
| CPL075H | 75 x 2"1/2 | 16  |
| CPL075I | 75 x 3"    | 16  |
| CPL090I | 90 x 3"    | 16  |
| CPL090L | 90 x 4"    | 16  |
| CPL110L | 110 x 4"   | 16  |



**COUDE 90° TARAUDE**  
**90° FEMALE ELBOW**

| Ref     | DE x G     | PFA |
|---------|------------|-----|
| CPV016B | 16 x 1/2"  | 16  |
| CPV016C | 16 x 3/4"  | 16  |
| CPV020B | 20 x 1/2"  | 16  |
| CPV020C | 20 x 3/4"  | 16  |
| CPV025B | 25 x 1/2"  | 16  |
| CPV025C | 25 x 3/4"  | 16  |
| CPV025D | 25 x 1"    | 16  |
| CPV032B | 32 x 1/2"  | 16  |
| CPV032C | 32 x 3/4"  | 16  |
| CPV032D | 32 x 1"    | 16  |
| CPV032E | 32 x 1"1/4 | 16  |
| CPV040D | 40 x 1"    | 16  |
| CPV040E | 40 x 1"1/4 | 16  |
| CPV040F | 40 x 1"1/2 | 16  |
| CPV050E | 50 x 1"1/4 | 16  |
| CPV050F | 50 x 1"1/2 | 16  |
| CPV050G | 50 x 2"    | 16  |
| CPV063F | 63 x 1"1/2 | 16  |
| CPV063G | 63 x 2"    | 16  |
| CPV063H | 63 x 2"1/2 | 10  |
| CPV075H | 75 x 2"1/2 | 10  |
| CPV075I | 75 x 3"    | 10  |
| CPV090I | 90 x 3"    | 10  |
| CPV090L | 90 x 4"    | 10  |
| CPV110L | 110 x 4"   | 10  |



**CLE DE SERRAGE**  
**WRENCH FOR FITTINGS**

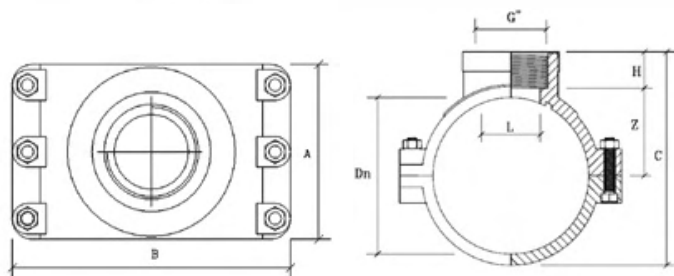
| Ref     | mm       |
|---------|----------|
| CLE0016 | 16 - 40  |
| CLE0040 | 40 - 75  |
| CLE0063 | 63 - 125 |

# COLLIER DE PRISE EN CHARGE EN PP

## CLAMP SADDLES IN PP MATERIAL



**COLLIER DE PRISE EN CHARGE AVEC BAGUE DE RENFORCEMENT**  
CLAMP SADDLE WITH REINFORCING RING

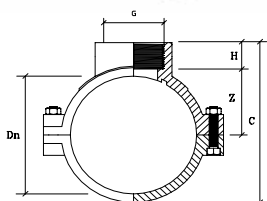


| REF        | DE  | G      | PFA | Z mm | H mm | Dn mm | C mm | A mm | B mm |
|------------|-----|--------|-----|------|------|-------|------|------|------|
| CPP02500BX | 25  | 1/2"   | 16  | 17   | 15   | 34    | 47   | 40   | 75   |
| CPP02500CX | 25  | 3/4"   | 16  | 17   | 15   | 34    | 49   | 40   | 75   |
| CPP03200BX | 32  | 1/2"   | 16  | 23   | 13   | 46    | 55   | 50   | 80   |
| CPP03200CX | 32  | 3/4"   | 16  | 23   | 13   | 46    | 55   | 50   | 80   |
| CPP03200DX | 32  | 1"     | 16  | 23   | 15   | 46    | 58   | 50   | 80   |
| CPP04000BX | 40  | 1/2"   | 16  | 26   | 13   | 52    | 63   | 50   | 85   |
| CPP04000CX | 40  | 3/4"   | 16  | 26   | 13   | 52    | 63   | 50   | 85   |
| CPP04000DX | 40  | 1"     | 16  | 26   | 15   | 52    | 76   | 50   | 85   |
| CPP05000BX | 50  | 1/2"   | 16  | 31   | 13   | 62    | 74   | 55   | 90   |
| CPP05000CX | 50  | 3/4"   | 16  | 31   | 16   | 62    | 75   | 55   | 90   |
| CPP05000DX | 50  | 1"     | 16  | 31   | 18   | 62    | 77   | 55   | 90   |
| CPP06300BX | 63  | 1/2"   | 16  | 38   | 14   | 76    | 90   | 75   | 150  |
| CPP06300CX | 63  | 3/4"   | 16  | 38   | 17   | 76    | 93   | 75   | 150  |
| CPP06300DX | 63  | 1"     | 16  | 38   | 19   | 76    | 95   | 75   | 150  |
| CPP06300EX | 63  | 1 1/4" | 16  | 39   | 21   | 78    | 95   | 75   | 150  |
| CPP06300FX | 63  | 1 1/2" | 16  | 40   | 22   | 80    | 101  | 75   | 150  |
| CPP07500BX | 75  | 1/2"   | 16  | 53   | 20   | 106   | 102  | 75   | 115  |
| CPP07500CX | 75  | 3/4"   | 16  | 54   | 21   | 105   | 102  | 75   | 115  |
| CPP07500DX | 75  | 1"     | 16  | 45   | 18   | 90    | 108  | 75   | 115  |
| CPP07500EX | 75  | 1 1/4" | 16  | 44   | 22   | 88    | 106  | 75   | 115  |
| CPP07500FX | 75  | 1 1/2" | 16  | 47   | 22   | 94    | 113  | 75   | 115  |
| CPP07500GX | 75  | 2"     | 16  | 69   | 23   | 138   | 115  | 75   | 115  |
| CPP09000BX | 90  | 1/2"   | 16  | 50   | 18   | 100   | 122  | 95   | 135  |
| CPP09000CX | 90  | 3/4"   | 16  | 51   | 19   | 102   | 124  | 95   | 135  |
| CPP09000DX | 90  | 1"     | 16  | 53   | 19   | 106   | 126  | 95   | 135  |
| CPP09000EX | 90  | 1 1/4" | 16  | 51   | 23   | 102   | 127  | 95   | 135  |
| CPP09000FX | 90  | 1 1/2" | 16  | 51   | 24   | 102   | 130  | 95   | 135  |
| CPP09000GX | 90  | 2"     | 16  | 54   | 24   | 108   | 130  | 95   | 135  |
| CPP11000BX | 110 | 1/2"   | 16  | 65   | 15   | 130   | 130  | 105  | 115  |

| REF         | DE  | G      | PFA | Z mm | H mm | Dn mm | C mm | A mm | B mm |
|-------------|-----|--------|-----|------|------|-------|------|------|------|
| CPP11000CX  | 110 | 3/4"   | 16  | 61   | 19   | 122   | 145  | 105  | 115  |
| CPP11000DX  | 110 | 1"     | 16  | 65   | 19   | 130   | 148  | 105  | 115  |
| CPP11000EX  | 110 | 1 1/4" | 16  | 65   | 21   | 130   | 149  | 105  | 115  |
| CPP11000FX  | 110 | 1 1/2" | 16  | 65   | 21   | 130   | 150  | 105  | 115  |
| CPP11000GX  | 110 | 2"     | 16  | 64   | 24   | 128   | 151  | 105  | 115  |
| CPP11000LX  | 110 | 3"     | 10  | 70   | 35   | 104   | 166  | 120  | 175  |
| CPP12500CX  | 125 | 3/4"   | 16  | 75   | 18   | 150   | 168  | 120  | 175  |
| CPP12500DX  | 125 | 1"     | 16  | 75   | 20   | 150   | 170  | 120  | 175  |
| CPP12500EX  | 125 | 1 1/4" | 16  | 75   | 21   | 150   | 170  | 120  | 175  |
| CPP12500FX  | 125 | 1 1/2" | 16  | 75   | 22   | 150   | 170  | 120  | 175  |
| CPP12500GX  | 125 | 2"     | 16  | 74   | 28   | 148   | 172  | 120  | 175  |
| CPP12500LX  | 125 | 3"     | 10  | 72   | 34   | 104   | 176  | 120  | 175  |
| CPP14000CX  | 140 | 3/4"   | 16  | 85   | 19   | 132   | 185  | 127  | 212  |
| CPP14000DX  | 140 | 1"     | 16  | 85   | 21   | 132   | 185  | 127  | 212  |
| CPP14000EX  | 140 | 1 1/4" | 16  | 85   | 23   | 132   | 186  | 127  | 212  |
| CPP14000FX  | 140 | 1 1/2" | 16  | 85   | 24   | 132   | 189  | 127  | 212  |
| CPP14000GX  | 140 | 2"     | 16  | 85   | 28   | 132   | 188  | 127  | 212  |
| CPP14000LX  | 140 | 3"     | 10  | 85   | 35   | 132   | 195  | 127  | 212  |
| CPP16000BX  | 160 | 1/2"   | 16  | 90   | 18   | 159   | 200  | 130  | 225  |
| CPP16000CX  | 160 | 3/4"   | 16  | 91   | 19   | 182   | 204  | 130  | 225  |
| CPP16000DX  | 160 | 1"     | 16  | 90   | 22   | 180   | 210  | 130  | 225  |
| CPP16000EX  | 160 | 1 1/4" | 16  | 95   | 23   | 190   | 215  | 130  | 225  |
| CPP16000FX  | 160 | 1 1/2" | 16  | 96   | 24   | 192   | 213  | 130  | 225  |
| CPP16000GX  | 160 | 2"     | 16  | 95   | 26   | 190   | 213  | 130  | 225  |
| CPP16000LX  | 160 | 3"     | 10  | 92   | 32   | 184   | 218  | 130  | 225  |
| CPP18000DX  | 180 | 1"     | 10  | 100  | 21   | 205   | 250  | 150  | 246  |
| CPP18000GX  | 180 | 2"     | 10  | 100  | 27   | 205   | 250  | 150  | 246  |
| CPP18000LX  | 180 | 3"     | 8   | 100  | 34   | 205   | 250  | 150  | 246  |
| CPP020000DX | 200 | 1"     | 10  | 110  | 23   | 220   | 282  | 180  | 260  |
| CPP020000FX | 200 | 1 1/2" | 10  | 113  | 24   | 226   | 273  | 180  | 260  |
| CPP020000GX | 200 | 2"     | 10  | 112  | 27   | 224   | 277  | 180  | 260  |
| CPP020000LX | 200 | 3"     | 8   | 115  | 34   | 230   | 294  | 180  | 260  |
| CPP020000MX | 200 | 4"     | 8   | 111  | 40   | 222   | 305  | 180  | 260  |
| CPP022500FX | 225 | 1 1/2" | 10  | 122  | 24   | 244   | 276  | 200  | 280  |
| CPP022500GX | 225 | 2"     | 10  | 121  | 27   | 242   | 275  | 200  | 280  |
| CPP022500LX | 225 | 3"     | 8   | 120  | 35   | 242   | 281  | 200  | 280  |
| CPP022500MX | 225 | 4"     | 8   | 123  | 40   | 242   | 289  | 200  | 280  |
| CPP025000FX | 250 | 1 1/2" | 10  | 137  | 24   | 265   | 296  | 220  | 300  |
| CPP025000GX | 250 | 2"     | 10  | 134  | 27   | 265   | 297  | 220  | 300  |
| CPP025000LX | 250 | 3"     | 8   | 131  | 35   | 265   | 301  | 220  | 300  |
| CPP025000MX | 250 | 4"     | 8   | 135  | 39   | 265   | 311  | 220  | 300  |
| CPP031500FX | 315 | 1 1/2" | 10  | 169  | 26   | 350   | 360  | 260  | 340  |
| CPP031500GX | 315 | 2"     | 10  | 167  | 27   | 350   | 361  | 260  | 340  |
| CPP031500LX | 315 | 3"     | 8   | 162  | 36   | 350   | 364  | 260  | 340  |
| CPP031500MX | 315 | 4"     | 8   | 164  | 40   | 350   | 371  | 260  | 340  |



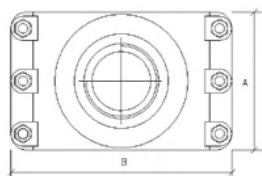
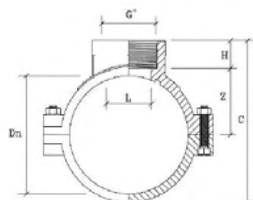
**COLLIER DE PRISE EN CHARGE PFA10**  
*CLAMP SADDLE PFA10*



| REF       | DE  | G     | PFA | Z mm | C mm | H mm | Kg   |
|-----------|-----|-------|-----|------|------|------|------|
| CP402500B | 25  | 1/2"  | 10  | 16   | 53   | 21   | 0,12 |
| CP402500C | 25  | 3/4"  | 10  | 16   | 53   | 20   | 0,12 |
| CP403200B | 32  | 1/2"  | 10  | 22   | 62   | 20   | 0,12 |
| CP403200C | 32  | 3/4"  | 10  | 22   | 62   | 20   | 0,12 |
| CP404000B | 40  | 1/2"  | 10  | 25   | 70   | 20   | 0,12 |
| CP404000C | 40  | 3/4"  | 10  | 26   | 70   | 20   | 0,12 |
| CP404000D | 40  | 1"    | 10  | 26   | 71   | 20   | 0,12 |
| CP405000B | 50  | 1/2"  | 10  | 30   | 80   | 20   | 0,13 |
| CP405000C | 50  | 3/4"  | 10  | 30   | 80   | 20   | 0,14 |
| CP405000D | 50  | 1"    | 10  | 30   | 80   | 20   | 0,14 |
| CP406300B | 63  | 1/2"  | 10  | 36   | 92   | 21   | 0,25 |
| CP406300C | 63  | 3/4"  | 10  | 36   | 92   | 21   | 0,25 |
| CP406300D | 63  | 1"    | 10  | 36   | 93   | 21   | 0,26 |
| CP406300E | 63  | 1"1/4 | 10  | 38   | 94   | 21   | 0,25 |
| CP407500B | 75  | 1/2"  | 10  | 44   | 106  | 21   | 0,29 |
| CP407500C | 75  | 3/4"  | 10  | 44   | 106  | 21   | 0,30 |
| CP407500D | 75  | 1"    | 10  | 43   | 106  | 20   | 0,30 |
| CP407500E | 75  | 1"1/4 | 10  | 43   | 105  | 20   | 0,31 |
| CP409000B | 90  | 1/2"  | 10  | 51   | 121  | 21   | 0,35 |
| CP409000C | 90  | 3/4"  | 10  | 51   | 120  | 20   | 0,34 |
| CP409000D | 90  | 1"    | 10  | 51   | 120  | 20   | 0,35 |
| CP409000E | 90  | 1"1/4 | 10  | 51   | 121  | 21   | 0,34 |
| CP411000B | 110 | 1/2"  | 10  | 63   | 147  | 23   | 0,44 |
| CP411000C | 110 | 3/4"  | 10  | 63   | 147  | 23   | 0,45 |
| CP411000D | 110 | 1"    | 10  | 62   | 146  | 23   | 0,45 |
| CP411000E | 110 | 1"1/4 | 10  | 62   | 146  | 21   | 0,46 |



**COLLIER DE PRISE EN CHARGE PFA12,5**  
*CLAMP SADDLE PFA12,5*



| REF        | DE  | G     | PFA  | Z mm | H mm | Dn mm | C mm | A mm | B mm | Kg   |
|------------|-----|-------|------|------|------|-------|------|------|------|------|
| CP1203200D | 32  | 1"    | 12,5 | 23   | 15   | 46    | 58   | 50   | 80   | 0,07 |
| CP1206300F | 63  | 1"1/2 | 12,5 | 40   | 22   | 80    | 101  | 75   | 150  | 0,23 |
| CP1207500F | 75  | 1"1/2 | 12,5 | 47   | 22   | 94    | 113  | 75   | 115  | 0,40 |
| CP1207500G | 75  | 2"    | 12,5 | 69   | 23   | 138   | 115  | 75   | 115  | 0,42 |
| CP1209000F | 90  | 1"1/2 | 12,5 | 51   | 24   | 102   | 130  | 95   | 135  | 0,43 |
| CP1209000G | 90  | 2"    | 12,5 | 54   | 24   | 108   | 130  | 95   | 135  | 0,44 |
| CP1211000F | 110 | 1"1/2 | 12,5 | 65   | 21   | 130   | 150  | 105  | 115  | 0,68 |
| CP1211000G | 110 | 2"    | 12,5 | 64   | 24   | 128   | 151  | 105  | 115  | 0,71 |
| CP1211000L | 110 | 3"    | 12,5 | 70   | 35   | 104   | 166  | 120  | 175  | 0,92 |



**MAMELON**  
NIPPLE

| REF      | G     | PFA |
|----------|-------|-----|
| PP751001 | 1/2"  | 10  |
| PP751002 | 3/4"  | 10  |
| PP751003 | 1"    | 10  |
| PP751004 | 1"1/4 | 10  |
| PP751005 | 1"1/2 | 10  |
| PP751006 | 2"    | 10  |
| PP751007 | 2"1/2 | 10  |
| PP751008 | 3"    | 10  |
| PP751009 | 4"    | 10  |



**MAMELON**  
NIPPLE

| REF      | G x G         | PFA |
|----------|---------------|-----|
| PP751501 | 3/4" x 1/2"   | 10  |
| PP751502 | 1" x 1/2"     | 10  |
| PP751503 | 1" x 3/4"     | 10  |
| PP751504 | 1"1/4 x 3/4"  | 10  |
| PP751505 | 1"1/4 x 1"    | 10  |
| PP751506 | 1"1/2 x 1"    | 10  |
| PP751507 | 1"1/2 x 1"1/4 | 10  |
| PP751508 | 2" x 1"1/4    | 10  |
| PP751509 | 2" x 1"1/2    | 10  |
| PP751510 | 2"1/2 x 2"    | 10  |
| PP751511 | 3" x 2"       | 10  |
| PP751512 | 3" x 2"1/2    | 10  |
| PP751513 | 4" x 3"       | 10  |



**BOUCHON FEMELLE**  
CAP

| REF      | G     | PFA |
|----------|-------|-----|
| PP792001 | 1/2"  | 10  |
| PP792002 | 3/4"  | 10  |
| PP792003 | 1"    | 10  |
| PP792004 | 1"1/4 | 10  |
| PP792005 | 1"1/2 | 10  |
| PP792006 | 2"    | 10  |
| PP792007 | 2"1/2 | 10  |
| PP792008 | 3"    | 10  |
| PP792009 | 4"    | 10  |



**BOUCHON MALE**  
PLUG

| REF      | G     | PFA |
|----------|-------|-----|
| PP781001 | 1/2"  | 10  |
| PP781002 | 3/4"  | 10  |
| PP781003 | 1"    | 10  |
| PP781004 | 1"1/4 | 10  |
| PP781005 | 1"1/2 | 10  |
| PP781006 | 2"    | 10  |
| PP781007 | 2"1/2 | 10  |
| PP781008 | 3"    | 10  |
| PP781009 | 4"    | 10  |



**MANCHON**  
SOCKET

| REF      | G     | PFA |
|----------|-------|-----|
| PP752001 | 1/2"  | 10  |
| PP752002 | 3/4"  | 10  |
| PP752003 | 1"    | 10  |
| PP752004 | 1"1/4 | 10  |
| PP752005 | 1"1/2 | 10  |
| PP752006 | 2"    | 10  |
| PP752007 | 2"1/2 | 10  |
| PP752008 | 3"    | 10  |
| PP752009 | 4"    | 10  |



**MANCHON REDUIT**  
REDUCED SOCKET

| REF      | G x G         | PFA |
|----------|---------------|-----|
| PP752501 | 1/2" x 3/8"   | 10  |
| PP752502 | 3/4" x 1/2"   | 10  |
| PP752503 | 1" x 1/2"     | 10  |
| PP752504 | 1" x 3/4"     | 10  |
| PP752505 | 1"1/4 x 1"    | 10  |
| PP752506 | 1"1/2 x 1"    | 10  |
| PP752507 | 1"1/2 x 1"1/4 | 10  |
| PP752508 | 2" x 1"       | 10  |
| PP752509 | 2" x 1"1/4    | 10  |
| PP752510 | 2" x 1"1/2    | 10  |
| PP752511 | 2"1/2 x 2"    | 10  |
| PP752512 | 3" x 2"       | 10  |
| PP752513 | 3" x 2"1/2    | 10  |



**TE**  
TEE

| REF      | G     | PFA |
|----------|-------|-----|
| PP762001 | 1/2"  | 10  |
| PP762002 | 3/4"  | 10  |
| PP762003 | 1"    | 10  |
| PP762004 | 1"1/4 | 10  |
| PP762005 | 1"1/2 | 10  |
| PP762006 | 2"    | 10  |
| PP762007 | 2"1/2 | 10  |
| PP762008 | 3"    | 10  |
| PP762009 | 4"    | 10  |



**TE MALE**  
MALE TEE

| REF      | G     | PFA |
|----------|-------|-----|
| PP761001 | 1/2"  | 10  |
| PP761002 | 3/4"  | 10  |
| PP761003 | 1"    | 10  |
| PP761004 | 1"1/4 | 10  |



**DOUILLE DE  
REDUCTION M/F**  
*REDUCING BUSH M/F*

| REF      | G x G         | PFA |
|----------|---------------|-----|
| PP357501 | 3/4" x 1/2"   | 10  |
| PP357502 | 1" x 1/2"     | 10  |
| PP357503 | 1" x 3/4"     | 10  |
| PP357504 | 1"1/4 x 1/2"  | 10  |
| PP357505 | 1"1/4 x 3/4"  | 10  |
| PP357506 | 1"1/4 x 1"    | 10  |
| PP357507 | 1"1/2 x 1/2"  | 10  |
| PP357508 | 1"1/2 x 3/4"  | 10  |
| PP357509 | 1"1/2 x 1"    | 10  |
| PP357510 | 1"1/2 x 1"1/4 | 10  |
| PP357511 | 2" x 3/4"     | 10  |
| PP357512 | 2" x 1"       | 10  |
| PP357513 | 2" x 1"1/4    | 10  |
| PP357514 | 2" x 1"1/2    | 10  |
| PP357515 | 2"1/2 x 1"    | 10  |
| PP357516 | 2"1/2 x 1"1/4 | 10  |
| PP357517 | 2"1/2 x 1"1/2 | 10  |
| PP357518 | 2"1/2 x 2"    | 10  |
| PP357519 | 3" x 2"       | 10  |
| PP357520 | 3" x 2"1/2    | 10  |
| PP357521 | 4" x 2"       | 10  |
| PP357522 | 4" x 3"       | 10  |



**COUDE 90°**  
*ELBOW 90°*

| REF      | G     | PFA |
|----------|-------|-----|
| PP777001 | 1/2"  | 10  |
| PP777002 | 3/4"  | 10  |
| PP777003 | 1"    | 10  |
| PP777004 | 1"1/4 | 10  |
| PP777005 | 1"1/2 | 10  |
| PP777006 | 2"    | 10  |
| PP777007 | 2"1/2 | 10  |
| PP777008 | 3"    | 10  |
| PP777009 | 4"    | 10  |



**RALLONGE EN PE  
FLEXIBLE**  
*FLEXIBLE RISER IN PP  
MATERIAL*

| REF      | G x G       |
|----------|-------------|
| 6067V101 | 1/2" x 1/2" |
| 6067V102 | 3/4" x 1/2" |
| 6067V103 | 3/4" x 3/4" |



**REDUCTION  
LONGUE M/F**  
*LONG REDUCING M/F*

| REF    | G x G         | PFA |
|--------|---------------|-----|
| 753001 | 1/2" x 1/4"   | 10  |
| 753002 | 3/4" x 1/4"   | 10  |
| 753003 | 3/4" x 1/2"   | 10  |
| 753004 | 1" x 1/2"     | 10  |
| 753005 | 1" x 3/4"     | 10  |
| 753006 | 1"1/4 x 3/4"  | 10  |
| 753007 | 1"1/4 x 1"    | 10  |
| 753008 | 1"1/2 x 1"1/4 | 10  |
| 753009 | 2" x 1"1/2    | 10  |



**COUDE 90° M/F**  
*ELBOW 90° M/F*

| REF    | G x G | PFA |
|--------|-------|-----|
| 776001 | 1/2"  | 10  |
| 776002 | 3/4"  | 10  |
| 776003 | 1"    | 10  |
| 776004 | 1"1/4 | 10  |



**RALLONGE**  
*RISER*

| REF      | G x G x G          | PFA | L<br>mm |
|----------|--------------------|-----|---------|
| 6067HY01 | 3/4" x 3/4" x 1/2" | 10  | 11 - 18 |



**RALLONGE NOIR**  
*BLACK RIGID RISER*

| REF    | G x G       |
|--------|-------------|
| 606701 | 1/2" x 1/2" |
| 606702 | 3/4" x 1/2" |
| 606703 | 3/4" x 3/4" |



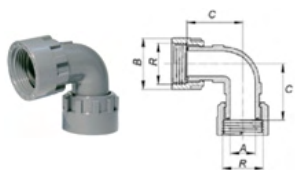
**CLE**  
*KEY*

| REF    | G    | PFA |
|--------|------|-----|
| 313901 | 3/4" | 10  |



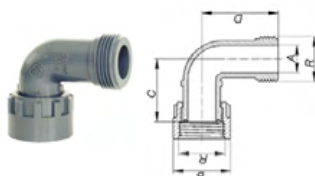
**CLAPET**  
*QUICK VALVE*

| REF    | G    | PFA |
|--------|------|-----|
| 303901 | 3/4" | 10  |
| 303902 | 1"   | 10  |



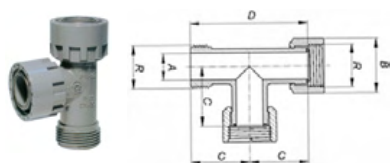
### COUDE 90° F/F / ELBOW 90° F/F

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|----------|-------|
| QE10002 | 1"       | 10  | 20      | 41,5    | 45,5    | 1"       | 0,068 |



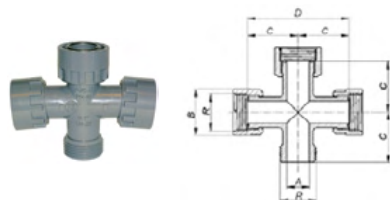
### COUDE 90° M/F / ELBOW 90° M/F

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|---------|----------|-------|
| QE10004 | 1"       | 10  | 20      | 41,5    | 45,5    | 55,5    | 1"       | 0,057 |



### TE 90° M/F/F / TEE 90° M/F/F

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|---------|----------|-------|
| QE10005 | 1"       | 10  | 20      | 41,5    | 45,5    | 91      | 1"       | 0,084 |



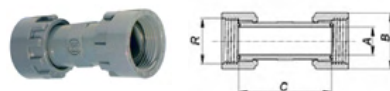
### CROIX 90° M/F/F/F / CROSS 90° M/F/F/F

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|---------|----------|-------|
| QE10007 | 1"       | 10  | 20      | 41,5    | 45,5    | 91      | 1"       | 0,114 |



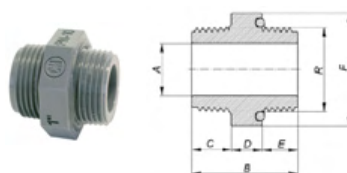
### MANCHON M/F / SOCKET M/F

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|----------|-------|
| QE10003 | 1"       | 10  | 20      | 41,5    | 69      | 1"       | 0,046 |



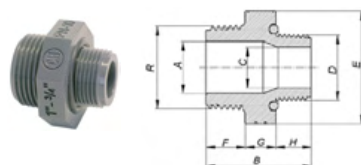
### MANCHON F/F / SOCKET F/F

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|----------|-------|
| QE10006 | 1"       | 10  | 20      | 41,5    | 59      | 1"       | 0,063 |



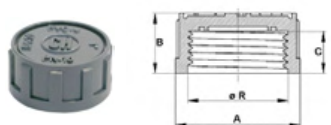
### MAMELON / NIPPLE

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|---------|---------|---------|----------|-------|
| QE10011 | 1"       | 10  | 20      | 41,5    | 15,5    | 12      | 14      | 44      | 1"       | 0,042 |



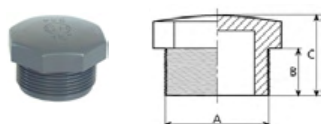
### MAMELON REDUIT / REDUCING NIPPLE

| REF     | D<br>In.  | PFA | A<br>mm | B<br>mm | C<br>mm | D<br>In. | E<br>mm | F<br>mm | G<br>mm | H<br>mm | R<br>In. | Kg    |
|---------|-----------|-----|---------|---------|---------|----------|---------|---------|---------|---------|----------|-------|
| QE10012 | 1" x 3/4" | 10  | 20      | 41,5    | 16      | 3/4"     | 44      | 15,5    | 12      | 14      | 1"       | 0,037 |



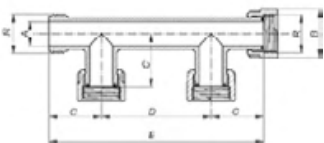
### BOUCHON FEMELLE / CAP FEMALE

| REF     | D<br>In. | PFA | A<br>mm | B<br>mm | C<br>mm | R<br>In. | Kg    |
|---------|----------|-----|---------|---------|---------|----------|-------|
| QE10013 | 1"       | 10  | 41,5    | 20      | 14      | 1"       | 0,023 |



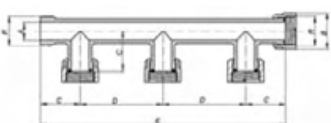
### BOUCHON MALE / CAP MALE

| REF     | D<br>In. | PFA | A<br>In. | B<br>mm | C<br>mm | Kg    |
|---------|----------|-----|----------|---------|---------|-------|
| QE10032 | 1"       | 10  | 1"       | 19      | 31      | 0,023 |



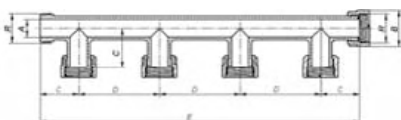
COLLECTEUR 2 SORTIES M/F / 2 OUTLET MANIFOLD M/F

| REF     | D In. | PFA | A mm | B mm | C mm | D mm | E mm | R In. | Kg    |
|---------|-------|-----|------|------|------|------|------|-------|-------|
| QE10008 | 1"    | 10  | 20   | 41,5 | 45,5 | 95   | 186  | 1"    | 0,145 |



COLLECTEUR 3 SORTIES M/F / 3 OUTLET MANIFOLD M/F

| REF     | D In. | PFA | A mm | B mm | C mm | D mm | E mm | R In. | Kg   |
|---------|-------|-----|------|------|------|------|------|-------|------|
| QE10009 | 1"    | 10  | 20   | 41,5 | 45,5 | 95   | 281  | 1"    | 0,21 |



COLLECTEUR 4 SORTIES M/F / 4 OUTLET MANIFOLD M/F

| REF     | D In. | PFA | A mm | B mm | C mm | D mm | E mm | R In. | Kg    |
|---------|-------|-----|------|------|------|------|------|-------|-------|
| QE10010 | 1"    | 10  | 20   | 41,5 | 45,5 | 95   | 376  | 1"    | 0,271 |

COLLECTEURS PIVOTANTS EN PP AVEC JOINT TORIQUE

PP SWIVEL MANIFOLDS WITH O-RING



TVSC-2



TVSC-3



TVSC-4

PRESSION DE FONCTIONNEMENT MAXIMALE : 10 BAR  
MAX. WORKING PRESSURE : 10 BAR

| REF      | DESCRIPTION                                                                                                 |
|----------|-------------------------------------------------------------------------------------------------------------|
| TVSC0322 | Collecteur M/F avec 2 sorties - F1" x F1"<br>Manifold M/F with 2 outlet - F1" x F1"                         |
| TVSC0323 | Collecteur M/F avec 3 sorties - F1" x F1" x F1"<br>Manifold M/F with 3 outlet - F1" x F1" x F1"             |
| TVSC0324 | Collecteur M/F avec 4 sorties - F1" x F1" x F1" x F1"<br>Manifold M/F with 4 outlet - F1" x F1" x F1" x F1" |

RACCORDS EN PP AVEC JOINT TORIQUE

FITTINGS IN PP MATERIAL WITH O-RING



TVSN



TVSM-F



TVSM-M



TVSG-F



TVSG-M



TVST-1F



TVST-2F



TVST-3F



TVSX-M



TVSX-F

| REF       | DESCRIPTION                            |
|-----------|----------------------------------------|
| TVSN032D  | Mamelon / Nipple - M1" x M1"           |
| TVSNR032C | Mamelon / Nipple - M1" x M3/4"         |
| TVSM032F  | Manchon / Socket - F1" x F1"           |
| TVSM032M  | Manchon / Socket - M1" x F1"           |
| TVSM050M  | Manchon / Socket - M1" 1/2 x F1" 1/2   |
| TVSM063M  | Manchon / Socket - M2" x F2"           |
| TVSG032F  | Coude / Elbow - F1" x F1"              |
| TVSG032M  | Coude / Elbow - M1" x F1"              |
| TVST1F032 | Té / Tee - F1" x M1" x M1"             |
| TVST2F032 | Té / Tee - F1" x F1" x M1"             |
| TVST2F050 | Té / Tee - F1" 1/2 x F1" 1/2 x M1" 1/2 |
| TVST3F032 | Té / Tee - F1" x F1" x F1"             |
| TVST3F050 | Té / Tee - F1" 1/2 x F1" 1/2 x F1" 1/2 |
| TVSXF032  | Croix / Cross - F1" x F1" x F1" x F1"  |
| TVSXM032  | Croix / Cross - M1" x F1" x F1" x F1"  |

# RACCORDS FILETES EN PP AVEC JOINT TORIQUE

## PP THREADED FITTINGS WITH O-RING



**BOUCHON FEMELLE**  
*CAP*

| REF     | G     |
|---------|-------|
| TV08370 | 1/2"  |
| TV08380 | 3/4"  |
| TV08390 | 1"    |
| TV08400 | 1"1/2 |



**BOUCHON MALE**  
*PLUG*

| REF     | G     |
|---------|-------|
| TV07650 | 1/2"  |
| TV07660 | 3/4"  |
| TV07665 | 1"    |
| TV07675 | 1"1/2 |



**MAMELON**  
*NIPPLE*

| REF     | G     |
|---------|-------|
| TV08550 | 1/2"  |
| TV08555 | 3/4"  |
| TV08560 | 1"    |
| TV08570 | 1"1/2 |
| TV08575 | 2"    |



**MAMELON REDUIT**  
*REDUCED NIPPLE*

| REF     | G x G         |
|---------|---------------|
| TV08590 | 3/4" x 1/2"   |
| TV08610 | 1" x 3/4"     |
| TV08630 | 1"1/4 x 1"    |
| TV08660 | 1"1/2 x 1"1/4 |
| TV08690 | 2" x 1"1/2    |



**TE**  
*TEE*

| REF     | G     |
|---------|-------|
| TV11700 | 1/2"  |
| TV11750 | 3/4"  |
| TV11800 | 1"    |
| TV11900 | 1"1/2 |
| TV11950 | 2"    |



**REDUCTION M/F**  
*REDUCING BUSH M/F*

| REF     | G x G         |
|---------|---------------|
| TV09600 | 3/4" x 1/2"   |
| TV09650 | 1" x 1/2"     |
| TV09700 | 1" x 3/4"     |
| TV09850 | 1"1/4 x 1"    |
| TV10050 | 1"1/2 x 1"1/4 |
| TV10300 | 2" x 1"1/2    |



**MANCHON**  
*SOCKET*

| REF     | G     |
|---------|-------|
| TV11300 | 1/2"  |
| TV11350 | 3/4"  |
| TV11400 | 1"    |
| TV11500 | 1"1/2 |
| TV11550 | 2"    |



**MANCHON REDUIT**  
*REDUCED SOCKET*

| REF     | G x G       |
|---------|-------------|
| TV09000 | 3/4" x 1/2" |
| TV09050 | 1" x 3/4"   |
| TV09100 | 1"1/4 x 1"  |
| TV09450 | 2" x 1"1/2  |



**COUDE M/F**  
*ELBOW M/F*

| REF     | G    |
|---------|------|
| TV12500 | 1/2" |
| TV12550 | 3/4" |
| TV12600 | 1"   |



**COUDE F/F**  
*ELBOW F/F*

| REF     | G x G |
|---------|-------|
| TV12100 | 1/2"  |
| TV12150 | 3/4"  |
| TV12200 | 1"    |
| TV12350 | 2"    |



**ADAPTATEUR  
FILETE M/F**  
*THREADED ADAPTOR M/F*

| REF     | G           |
|---------|-------------|
| TV10400 | 1/2" x 3/4" |
| TV10550 | 3/4" x 1"   |
| TV10750 | 1" x 1"1/4  |

**COLLECTEUR 3 SORTIES MALES**  
**3 OUTLETS THREADED MALE MANIFOLD**



| REF        | Tube In. | Sortie Outlet In. | L mm | Entre les sorties Between outings mm |
|------------|----------|-------------------|------|--------------------------------------|
| WSS1004223 | 1"       | 1"                | 308  | 115                                  |
| WSS1004225 | 2"       | 1 1/2"            | 460  | 159                                  |
| WSS1004216 | 2"       | 2"                | 460  | 159                                  |

**COLLECTEUR 3 SORTIES FEMELLES**  
**3 OUTLETS THREADED FEMALE MANIFOLD**



| REF        | Tube In. | Sortie Outlet In. | L mm | Entre les sorties Between outings mm |
|------------|----------|-------------------|------|--------------------------------------|
| WSS1004243 | 1"       | 1"                | 308  | 115                                  |
| WSS1004245 | 2"       | 1 1/2"            | 460  | 159                                  |
| WSS1004236 | 2"       | 2"                | 460  | 159                                  |

**COLLECTEUR 3 SORTIES FEMELLES**  
**3 OUTLETS THREADED FEMALE MANIFOLD**

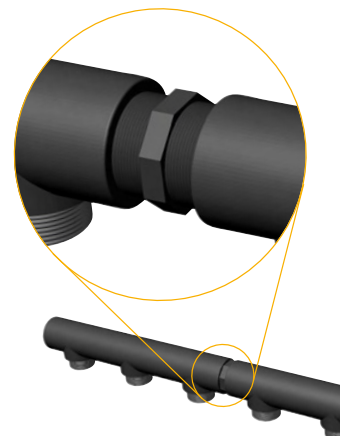
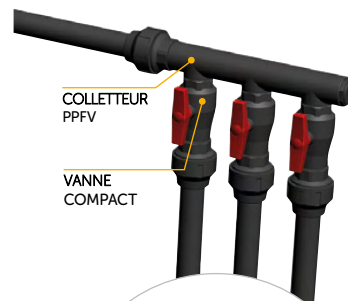


| REF        | Tube In. | Entrée Entry In. | Sortie Outlet In. | L mm | Entre les sorties Between outings mm |
|------------|----------|------------------|-------------------|------|--------------------------------------|
| WWS1004343 | 1"       | 1"               | 1"                | 308  | 115                                  |
| WWS1004345 | 2"       | 2"               | 1 1/2"            | 460  | 159                                  |
| WWS1004336 | 2"       | 2"               | 2"                | 460  | 159                                  |

**COLLECTEUR 3 SORTIES MALES**  
**3 OUTLETS THREADED MALE MANIFOLD**



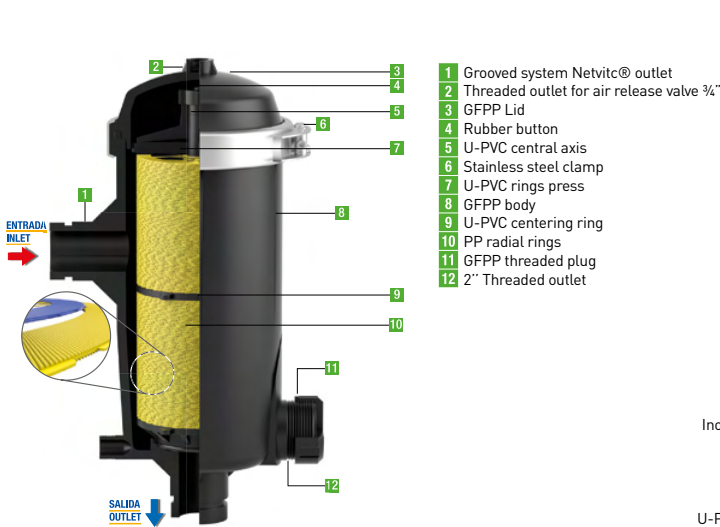
| REF        | Tube In. | Entrée Entry In. | Sortie Outlet In. | L mm | Entre les sorties Between outings mm |
|------------|----------|------------------|-------------------|------|--------------------------------------|
| WWW1004323 | 1"       | 1"               | 1"                | 308  | 115                                  |
| WWW1004325 | 2"       | 2"               | 1 1/2"            | 460  | 159                                  |
| WWW1004316 | 2"       | 2"               | 2"                | 460  | 159                                  |



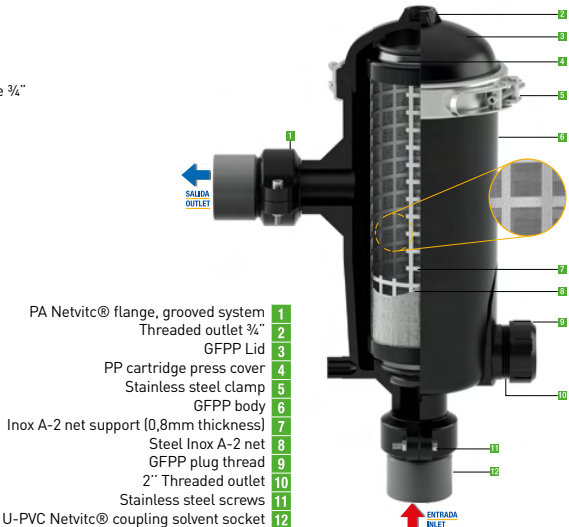
FILTRE A DISQUE & FILTRE A TAMIS



DISK FILTERS & SIEVE FILTER



FILTRE A DISQUE  
DISK FILTER



FILTRE A TAMIS  
SIEVE FILTER

FILTRE A DISQUE - SORTIE TARAUEE « BSP »  
DISK FILTER, THREADED OUTPUT « BSP »



| REF        | Model   | Filtre Mesh | Micron | Débit Flow rate l/h | Surface de filtration Filtration superficies (cm2) |
|------------|---------|-------------|--------|---------------------|----------------------------------------------------|
| SYL1008001 | 63 - 2" | 140         | 105    | 20.000              | 1.370                                              |
| SYL1008002 | 90 - 3" | 140         | 105    | 40.000              | 1.760                                              |
| SYL1008011 | 63 - 2" | 120         | 125    | 20.000              | 1.370                                              |
| SYL1008012 | 90 - 3" | 120         | 125    | 40.000              | 1.760                                              |

FILTRE A DISQUE - SORTIE TARAUEE « BSP » SUPER  
DISK FILTER, THREADED OUTPUT « BSP » SUPER



| REF        | Model   | Filtre Mesh | Micron | Débit Flow rate l/h | Surface de filtration Filtration superficies (cm2) |
|------------|---------|-------------|--------|---------------------|----------------------------------------------------|
| SYB1008007 | 63 - 2" | 140         | 105    | 40.000              | 1.760                                              |
| SYB1008017 | 63 - 2" | 120         | 125    | 40.000              | 1.760                                              |

FILTRE À CARTOUCHE  
CARTRIDGE FILTER



| REF        | Model    | Filtre Mesh | Micron | Débit Flow rate l/h | Surface de filtration Filtration superficies (cm2) |
|------------|----------|-------------|--------|---------------------|----------------------------------------------------|
| SEY1008075 | 500 - 2" | 140         | 105    | 20.000              | 1.370                                              |
| SEY1008076 | 610 - 3" | 140         | 105    | 40.000              | 1.760                                              |
| SEY1008077 | 500 - 2" | 120         | 125    | 20.000              | 1.370                                              |
| SEY1008078 | 610 - 3" | 120         | 125    | 40.000              | 1.760                                              |

### FILTRE A TAMIS - SORTIE TARAUEE « BSP »

#### SIEVE FILTER, THREADED OUTPUT « BSP »



| REF        | Model   | Filtre<br>Mesh | Micron | Débit<br>Flow rate<br>l/h | Surface de filtration<br>Filtration superficielles<br>(cm2) |
|------------|---------|----------------|--------|---------------------------|-------------------------------------------------------------|
| QJY1008310 | 63 - 2" | 275            | 50     | 20.000                    | 1.310                                                       |
| QJY1008320 | 90 - 3" | 275            | 50     | 40.000                    | 1.720                                                       |
| QJY1008311 | 63 - 2" | 150            | 100    | 20.000                    | 1.310                                                       |
| QJY1008321 | 90 - 3" | 150            | 100    | 40.000                    | 1.720                                                       |
| QJY1008312 | 63 - 2" | 120            | 130    | 20.000                    | 1.310                                                       |
| QJY1008322 | 90 - 3" | 120            | 130    | 40.000                    | 1.720                                                       |
| QJY1008313 | 63 - 2" | 75             | 200    | 20.000                    | 1.310                                                       |
| QJY1008323 | 90 - 3" | 75             | 200    | 40.000                    | 1.720                                                       |
| QJY1008314 | 63 - 2" | 55             | 300    | 20.000                    | 1.310                                                       |
| QJY1008324 | 90 - 3" | 55             | 300    | 40.000                    | 1.720                                                       |

### FILTRE A TAMIS - SORTIE TARAUEE « BSP » SUPER

#### SIEVE FILTER, THREADED OUTPUT « BSP » SUPER



| REF        | Model   | Filtre<br>Mesh | Micron | Débit<br>Flow rate<br>l/h | Surface de filtration<br>Filtration superficielles<br>(cm2) |
|------------|---------|----------------|--------|---------------------------|-------------------------------------------------------------|
| QJE1008330 | 63 - 2" | 275            | 50     | 40.000                    | 1.720                                                       |
| QJE1008331 | 63 - 2" | 150            | 100    | 40.000                    | 1.720                                                       |
| QJE1008332 | 63 - 2" | 120            | 130    | 40.000                    | 1.720                                                       |
| QJE1008333 | 63 - 2" | 75             | 200    | 40.000                    | 1.720                                                       |
| QJE1008334 | 63 - 2" | 55             | 300    | 40.000                    | 1.720                                                       |

### CARTOUCHE A MAILLE

#### NET CARTRIDGE

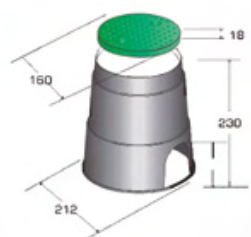


| REF        | Model    | Filtre<br>Mesh | Micron | Débit<br>Flow rate<br>l/h | Surface de filtration<br>Filtration superficielles<br>(cm2) |
|------------|----------|----------------|--------|---------------------------|-------------------------------------------------------------|
| QJL1008500 | 500 - 2" | 275            | 50     | 20.000                    | 1.310                                                       |
| QJL1008510 | 610 - 3" | 275            | 50     | 40.000                    | 1.720                                                       |
| QJL1008501 | 500 - 2" | 150            | 100    | 20.000                    | 1.310                                                       |
| QJL1008511 | 610 - 3" | 150            | 100    | 40.000                    | 1.720                                                       |
| QJL1008502 | 500 - 2" | 120            | 130    | 20.000                    | 1.310                                                       |
| QJL1008512 | 610 - 3" | 120            | 130    | 40.000                    | 1.720                                                       |
| QJL1008503 | 500 - 2" | 75             | 200    | 20.000                    | 1.310                                                       |
| QJL1008513 | 610 - 3" | 75             | 200    | 40.000                    | 1.720                                                       |
| QJL1008504 | 500 - 2" | 55             | 300    | 20.000                    | 1.310                                                       |
| QJL1008514 | 610 - 3" | 55             | 300    | 40.000                    | 1.720                                                       |

Étudié et conçu pour permettre l'accès le plus confortable et le plus sûr aux dispositifs d'inspection souterrains tels que vannes, compteurs, modules de contrôle, etc. dans les systèmes d'irrigation résidentiels, publics, agricoles et sportifs et dans les réseaux publics de distribution d'eau. UNI EN 124

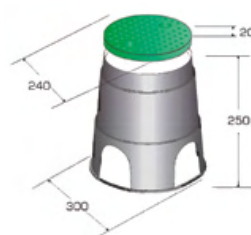
*Designed to provide the most comfortable and secure access to devices such as valves, meters, control modules, etc... in residential, public, agricultural and sports irrigation systems, and in public water distribution networks. UNI IN 124*

| Model    | Class | Charge de rupture<br>Stress at break<br>(kN) |
|----------|-------|----------------------------------------------|
| Mini     | -     | 10,50                                        |
| Large    | -     | 11,50                                        |
| Standard | A15   | 15,30                                        |
| Jumbo    | A15   | 16,50                                        |



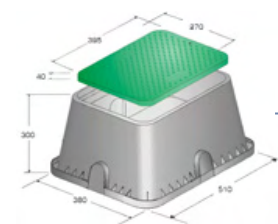
### MINI REGARD / MINI VALVE BOX

| REF   | EMBASE<br>BASE | TAMPON<br>TOP | HAUTEUR<br>HEIGHT | Kg   |
|-------|----------------|---------------|-------------------|------|
| MIREG | 212            | 160           | 230               | 0,50 |



### LARGE REGARD / LARGE VALVE BOX

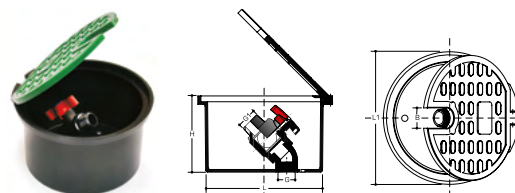
| REF   | EMBASE<br>BASE | TAMPON<br>TOP | HAUTEUR<br>HEIGHT | Kg   |
|-------|----------------|---------------|-------------------|------|
| LAREG | 300            | 240           | 250               | 0,90 |



### STANDARD REGARD / STANDARD VALVE BOX

| REF   | EMBASE<br>BASE | TAMPON<br>TOP | HAUTEUR<br>HEIGHT | Kg   |
|-------|----------------|---------------|-------------------|------|
| STREG | 380 x 150      | 270 x 395     | 300               | 4,15 |

### REGARD AVEC ROBINET / VALVE BOX WITH VALVE



| G    | G1   | L   | L1  | H  | Kg    |
|------|------|-----|-----|----|-------|
| 3/4" | 3/4" | 179 | 204 | 31 | 0,585 |

### JUMBO REGARD / JUMBO VALVE BOX

| REF   | EMBASE<br>BASE | TAMPON<br>TOP | HAUTEUR<br>HEIGHT | Kg   |
|-------|----------------|---------------|-------------------|------|
| JUREG | 500 x 640      | 360 x 510     | 300               | 6,30 |

### REGLABLE / EXTENSION

| REF    | EMBASE<br>BASE | HAUTEUR<br>HEIGHT | Kg   |
|--------|----------------|-------------------|------|
| RISTAN | 306 x 436      | 170               | 1,90 |
| RISJUM | 400 x 540      | 170               | 2,50 |



### JUMBOSUPER REGARD / SUPERJUMBO VALVE BOX

| REF    | EMBASE<br>BASE | TAMPON<br>TOP | HAUTEUR<br>HEIGHT | Kg |
|--------|----------------|---------------|-------------------|----|
| SJUREG | 810 x 590      | 370 x 590     | 415               | 10 |



| REF      | DESCRIPTION          |
|----------|----------------------|
| PC301-TO | Model ouvert / open  |
| PC301-TC | Model fermé / closed |



**TUYAUX EN POLYETHYLENE  
PEBD (BASSE DENSITE)**

*POLYETHYLENE PIPE PEBD  
(LOW DENSITY)*

| REF    | D<br>mm | PFA | Epaisseur<br>Thickness | Rouleau<br>Roll |
|--------|---------|-----|------------------------|-----------------|
| TPBD01 | 16      | 6   | 1,6                    | 50              |
| TPBD02 | 16      | 6   | 1,6                    | 100             |
| TPBD03 | 20      | 6   | 1,7                    | 50              |
| TPBD04 | 20      | 6   | 1,7                    | 100             |
| TPBD05 | 25      | 6   | 2,2                    | 50              |
| TPBD06 | 25      | 6   | 2,2                    | 100             |
| TPBD07 | 32      | 6   | 2,8                    | 100             |
| TPBD08 | 40      | 6   | 3,5                    | 100             |



**TUYAUX EN POLYETHYLENE  
PE100 (HAUTE DENSITE)**

*POLYETHYLENE PIPE PE100  
(HIGH DENSITY)*

| REF    | D<br>mm | PFA | Epaisseur<br>Thickness | Rouleau<br>Roll |
|--------|---------|-----|------------------------|-----------------|
| TPHD01 | 25      | 10  | 1,8                    | 100             |
| TPHD02 | 32      | 10  | 2                      | 100             |
| TPHD03 | 40      | 10  | 2,4                    | 100             |
| TPHD04 | 50      | 10  | 3                      | 100             |
| TPHD05 | 63      | 10  | 3,8                    | 100             |
| TPHD06 | 75      | 10  | 4,5                    | 100             |
| TPHD07 | 90      | 10  | 5,4                    | 100             |
| TPHD08 | 110     | 10  | 6,6                    | 50              |



**MANCHON**  
*SOCKET*

| REF       | D<br>mm |
|-----------|---------|
| 6010.0160 | 16      |
| 6010.0200 | 20      |
| 6010.0250 | 25      |
| 6010.0320 | 32      |
| 6010.0400 | 40      |



**RACCORD FILTETE  
MALE**  
*MALE THREADED  
ADAPTOR*

| REF       | D<br>mm | G<br>in. |
|-----------|---------|----------|
| 6020.016C | 16      | 1/2"     |
| 6020.016D | 16      | 3/4"     |
| 6020.020C | 20      | 1/2"     |
| 6020.020D | 20      | 3/4"     |
| 6020.025C | 25      | 1/2"     |
| 6020.025D | 25      | 3/4"     |
| 6020.025E | 25      | 1"       |
| 6020.032D | 32      | 3/4"     |
| 6020.032E | 32      | 1"       |
| 6020.032F | 32      | 1"1/4    |
| 6020.040F | 40      | 1"1/4    |



**TE**  
*TEE*

| REF       | D<br>mm |
|-----------|---------|
| 6110.0160 | 16      |
| 6110.0200 | 20      |
| 6110.0250 | 25      |
| 6110.0320 | 32      |
| 6110.0400 | 40      |

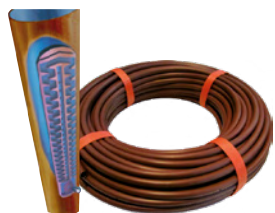


**COUDE M/M**  
*ELBOW M/M*

| REF       | D<br>mm |
|-----------|---------|
| 6210.0160 | 16      |
| 6210.0200 | 20      |
| 6210.0250 | 25      |
| 6210.0320 | 32      |
| 6210.0400 | 40      |

# GOUTTE A GOUTTE - 8 MM

## DRIP LINE - 8 MM



### TUYAU GOUTTE A GOUTTE NON AUTO-COMPENSEE (8 MM) NON SELF-COMPENSATING DRIP LINE (8MM)

| REF         | D<br>mm | Epaisseur<br>Thickness | Débit nominal<br>Nominal water flow<br>1 bar l/h | Espace entre-trous<br>Space between holes<br>cm | Rouleau<br>Roll<br>ml | Couleur<br>Color |
|-------------|---------|------------------------|--------------------------------------------------|-------------------------------------------------|-----------------------|------------------|
| 18500002860 | 8       | 1,0                    | 2,0                                              | 15                                              | 30                    | Marron<br>Brown  |



**RACCORD FILETE  
MALE  
MALE ADAPTOR**

REF

N3RMPG38



**COUDE 90° M/M  
ELBOW 90° M/M**

REF

N3GOPG08



**MANCHON  
COUPLING**

REF

N3MAPG08



**CRAMPON DE SOL  
POUR TUYAU  
PIPE STABILIZER**

REF

N3PIC008



**TE  
TEE**

REF

N3TEPG08

# GOUTTE A GOUTTE - 16 MM

## DRIP LINE - 16 MM



### TUYAU GOUTTE A GOUTTE (16 MM) DRIP LINE (16MM)

| REF            | D<br>mm | Epaisseur<br>Thickness | Débit nominal<br>Nominal water flow<br>1 bar l/h | Espace entre-trous<br>Space between holes<br>cm | Longueur maximale<br>Maximum length<br>ml | Rouleau<br>Roll<br>ml | Couleur<br>Color |
|----------------|---------|------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------|-----------------------|------------------|
| DUA100160332L  | 16      | 1,0                    | 2,0                                              | 33                                              | 81                                        | 100                   | Noir/Black       |
| DUA100160332LM | 16      | 1,0                    | 2,0                                              | 33                                              | 81                                        | 100                   | Marron/<br>brown |



**MANCHON  
COUPLING**

REF

D  
mm

29100160

16 - 16



**COUDE  
ELBOW**

REF

D  
mm

29800160

16 - 16



**TE  
TEE**

REF

D  
mm

29500160

16 - 16 - 16



**FERMETUR DE  
L'EXTERIMITE DU  
TUBE / TUBING END  
DOSURE**

REF

D  
mm

23000160

16



**RACCORD FILETE  
MALE ADAPTOR**

REF

D x G

2914016C

16 x 1/2"

2914016D

16 x 3/4"

# RACCORDS AVEC ELASTIQUE - 16 MM

## FITTINGS WITH ELASTIC - 16 MM



**MANCHON  
COUPLING**

REF

D  
mm

33100160

16



**BOUCHON  
PLUG**

REF

D  
mm

3330160

16



**RACCORD MALE  
MALE ADAPTOR**

REF

D x G

3314016D

16 x 3/4"



**COUDE M/M  
ELBOW M/M**

REF

D x G

338416C

16 x 1/2"



**TE MALE  
MALE TEE**

REF

D x G

3353016C

16 x 1/2"

3353016D

16 x 3/4"



**COUDE M/M  
ELBOW M/M**

REF

D  
mm

33800160

16



**TE  
TEE**

REF

D  
mm

33500160

16



**MANCHON**  
*COUPLING*

| REF      | D<br>mm |
|----------|---------|
| 34100160 | 16      |



**MANCHON MALE**  
*MALE THREADED  
ADAPTOR*

| REF      | D x G     |
|----------|-----------|
| 3414016C | 16 x 1/2" |
| 3414016D | 16 x 3/4" |



**TE**  
*TEE*

| REF      | D<br>mm |
|----------|---------|
| 34500160 | 16      |



**TE MALE**  
*MALE TEE*

| REF      | D x G     |
|----------|-----------|
| 3454016C | 16 x 1/2" |
| 3454016D | 16 x 3/4" |



**COUDE**  
*ELBOW*

| REF      | D<br>mm |
|----------|---------|
| 34800160 | 16      |



**COUDE MALE**  
*MALE ELBOW*

| REF      | D x G     |
|----------|-----------|
| 3484016C | 16 x 1/2" |
| 3484016D | 16 x 3/4" |

## VANNE AVEC RACCORD POUR GOUTTE A GOUTTE « POLY »

### VALVE WITH « POLY » DRIPLINE OFFTAKES



**VANNE AVEC RACCORD POUR  
GOUTTE A GOUTTE « POLY »**  
*VALVE WITH « POLY » DRIPLINE OFFTAKES*

| REF     | D<br>mm | PFA | €    |
|---------|---------|-----|------|
| 4200160 | 16 - 16 | 4   | 1,94 |



**VANNE AVEC RACCORD FILETE  
POUR GOUTTE A GOUTTE « POLY »**  
*VALVE WITH « POLY » DRIPLINE MALE  
THREADED OFFTAKES*

| REF      | D x G     | PFA | €    |
|----------|-----------|-----|------|
| 4270016C | 16 x 1/2" | 4   | 1,86 |
| 4270016D | 16 x 3/4" | 4   | 1,86 |

## VANNE AVEC RACCORD POUR GOUTTE A GOUTTE « JOLLY »

### VALVE WITH « JOLLY » DRIPLINE OFFTAKES



**VANNE AVEC RACCORD POUR  
GOUTTE A GOUTTE « JOLLY »**  
*VALVE WITH « JOLLY » DRIPLINE OFFTAKES*

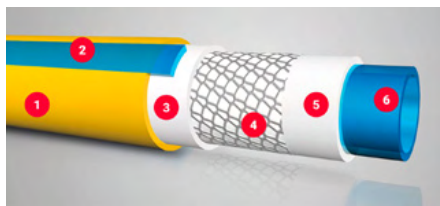
| REF      | D<br>mm | PFA |
|----------|---------|-----|
| 41600160 | 16 - 16 | 4   |



**VANNE AVEC RACCORD FILETE  
POUR GOUTTE A GOUTTE « JOLLY »**  
*VALVE WITH « JOLLY » DRIPLINE MALE THREAD  
OFFTAKES*

| REF      | D x G     | PFA |
|----------|-----------|-----|
| 4170016C | 16 x 1/2" | 4   |
| 4170016D | 16 x 3/4" | 4   |

### TRICOGOLD - 6 COUCHES / 6 LAYERS



Tube composé d'une armure interne ESPIROFLEX NO TORSION TECHNOLOGY, recouvert d'une maille polyester qui évite les torsions et les courbes lors de son utilisation. Fabriqué avec des matériaux de première qualité et une formulation spéciale qui offrent une grande flexibilité et une grande liberté de mouvement, la garantie de 10 ans et le respect de l'utilisation alimentaire selon les réglementations CE 1935/2004 et UE 10/2011 soulignent sa haute qualité. Tuyau à bonne résistance chimique, associé aux propriétés solides du PVC, Anti-UV, résiste à des températures comprises entre -10 ° C et +60°C.

*Tube composed of ESPIROFLEX NO TORSION TECHNOLOGY internal armor, covered with a polyester mesh that avoids twisting and curves in its use. Made with top quality materials and special formulation that provide great flexibility and freedom of movement, the 10-year guarantee and compliance with food use according to the CE 1935/2004 and EU 10/2011 regulations highlight its high quality. Pipe with good chemical resistance, associated with the solid properties of PVC, Anti-UV, resists temperatures between -10 ° C and + 60 ° C.*

| REF               | Ø INT<br>mm | Ø EXT<br>mm | Poids<br>Weight<br>g/m | PFA | PRESSIION D'ECLATEMENT<br>BREAK-UP PRESSURE | Rouleau<br>Roll<br>ml |
|-------------------|-------------|-------------|------------------------|-----|---------------------------------------------|-----------------------|
| TRICOGOLD15x21_15 | 15          | 21          | 200                    | 10  | 30                                          | 15                    |
| TRICOGOLD15x21_25 | 15          | 21          | 200                    | 10  | 30                                          | 25                    |

### COUCHES / LAYERS

1. Couche extérieure en PVC jaune / *Outside layer in yellow PVC material*
2. Couche anti-torsion de couleur bleue / *Blue anti-twisting layer*
3. Couche de renforcement blanche / *White reinforcement layer*
4. Couche de polyester technologie Espiroflex sans torsion / *Espiroflex technology without twisting polyester layer*
5. Couche de support blanche / *White support layer*
6. Couche intérieure bleue transparente de qualité alimentaire / *Inside transparent blue alimentary quality layer*

### APPLICATIONS / APPLICATIONS

1. Irrigation jardinage / *Gardening irrigation*
2. Horticulture et Floriculture / *Horticulture and floriculture*
3. Système domestiques et transport eau en général / *Domestic system and water transport in general*



### ESPIROJARDIN - 3 COUCHES / 3 LAYERS



Tuyau renforcé à l'intérieur par une maille en polyester pour résister aux pressions moyennes et à la rupture due à l'allongement. En plus d'être un tube très flexible et malléable, il présente une bonne résistance chimique, associée aux propriétés habituelles du PVC, une résistance aux températures comprises entre -10 ° C et + 60 ° C. Non toxique et anti-UV.

*Hose internally reinforced by a polyester mesh to withstand medium pressures and breakage due to elongation. In addition to being a very flexible and malleable pipe, it has good chemical resistance, associated with the usual properties of PVC, a resistance to temperatures between -10 ° C and + 60 ° C. Non-toxic and Anti-UV.*

| REF                  | Ø INT<br>mm | Ø EXT<br>mm | Poids<br>Weight<br>g/m | PFA | PRESSION D'ECLATEMENT<br>BREAK-UP PRESSURE | Rouleau<br>Roll<br>ml |
|----------------------|-------------|-------------|------------------------|-----|--------------------------------------------|-----------------------|
| ESPIROJARDIN15x19_15 | 15          | 19          | 150                    | 8   | 24                                         | 15                    |
| ESPIROJARDIN15x19_25 | 15          | 19          | 150                    | 8   | 24                                         | 25                    |

#### COUCHES / LAYERS

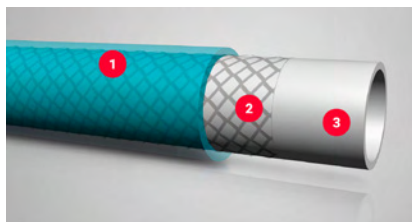
1. Couche extérieure : transparente en PVC vert / *Outside: transparent layer in green color PVC material*
2. Couche intermédiaire: renfort de maille en fil de polyester / *Intermediate layer: polyester wire mesh reinforcement*
3. Couche intérieure : en PVC noir / *Inside layer in black color PVC material*

#### APPLICATIONS / APPLICATIONS

1. Installations domestiques / *Domestic installations*
2. Jardinage / *Gardening*
3. Horticulture et Floriculture / *Horticulture and floriculture*
4. Nettoyage des bateaux / *Cleaning of boats*



### ESPIROGARDIN - 3 COUCHES ALIMENTAIRES / 3 ALIMENTARY LAYERS



Tuyau très flexible de haute qualité, renforcé à l'intérieur d'un treillis en polyester pour résister à des pressions de service considérables et à la rupture due à l'allongement. Ce tuyau se caractérise par une bonne résistance chimique, grâce aux propriétés du PVC, Anti-UV, il supporte des températures comprises entre -10 ° C et + 60 ° C. Non toxique et conforme aux réglementations CE 1935/2004 et EU 10/2011 .

*Very flexible high quality hose, internally reinforced with a polyester mesh to withstand considerable working pressures and breakage due to elongation. This hose is characterized by good chemical resistance, thanks to the properties of PVC, Anti-UV, it supports temperatures between -10 ° C and + 60 ° C. Non-toxic and compliant with CE 1935/2004 and EU 10/2011 regulations.*

| REF                  | Ø INT<br>mm | Ø EXT<br>mm | Poids<br>Weight<br>g/m | PFA | PRESSION D'ECLATEMENT<br>BREAK-UP PRESSURE | Rouleau<br>Roll<br>ml |
|----------------------|-------------|-------------|------------------------|-----|--------------------------------------------|-----------------------|
| ESPIROGARDIN15x19_15 | 15          | 21          | 175                    | 10  | 30                                         | 15                    |
| ESPIROGARDIN15x19_25 | 15          | 21          | 175                    | 10  | 30                                         | 25                    |

#### COUCHES / LAYERS

1. Couche extérieure en PVC bleu anti-torsion et anti-froissement / *Outside layer in anti-twisting and anti-wrinkle blue PVC material*
2. Couche intermédiaire: renfort de maille en fil de polyester / *Intermediate layer: polyester wire mesh reinforcement*
3. Couche intérieure blanche à usage alimentaire / *White inner layer for food use*

#### APPLICATIONS / APPLICATIONS

1. Irrigation résidentielle / *Residential irrigation*
2. Horticulture et Floriculture / *Horticulture and floriculture*
3. Nettoyage des bateaux / *Cleaning of boats*



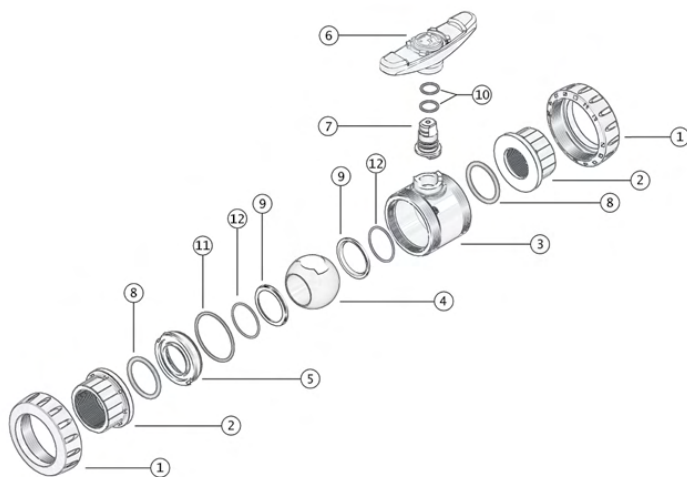


**DN10 - DN50**

**DN65 - DN100**

**DESCRIPTION**

Robinet 1/4 de tour à bille en PVC gris pour les piscines et pour le transport de l'eau avec double anneaux à démontage radial avec support réglable sur sphère ronde. Joints en EPDM, sièges de la sphère en PE. Pression d'exercice PN16 à 20°C de DN 10 à DN 50, PN10 à 20°C de DN 65 à DN 100. Version disponible pour collage femelle ISO métrique ( AT420) et BS standard ( AS420), filetage femelle BSP ( AT421). Sur demande possibilité d'executions dans d'autres standards internationaux (ASTM, JIS, NPT).



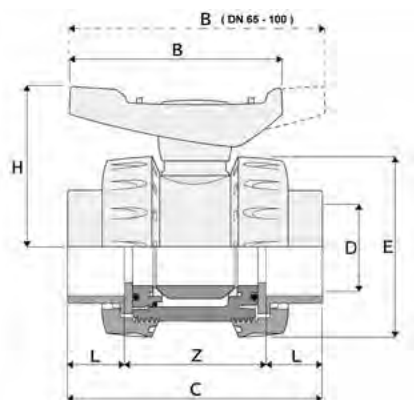
**DESCRIPTION**

Grey PVC ball valve dedicated to swimming pools and water supply systems, true union, provided with adjustable support, round ball. EPDM seals, PE ball seats. Operating pressure PN16 at 20°C from DN 10-50 and PN10 at 20°C from DN 65-100. Version available: ISO metric ( AT420) and BS standard ( AS420) plain solvent weld socket, BSP threaded Socket ( AT421). Available to be manufactured in other international standards (ASTM, JIS, NPT) upon request.

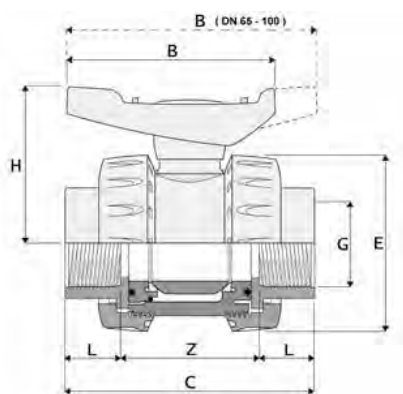
| Pos. | Composants       | Components              | Matériel / Material |
|------|------------------|-------------------------|---------------------|
| 1    | ecrou            | <i>nut</i>              | <i>PVC-U</i>        |
| 2    | collet           | <i>union end</i>        | <i>PVC-U</i>        |
| 3    | corp             | <i>body</i>             | <i>PVC-U</i>        |
| 4    | sphère           | <i>ball</i>             | <i>PVC-U</i>        |
| 5    | support          | <i>support</i>          | <i>PVC-U</i>        |
| 6    | manette          | <i>handle</i>           | <i>PVC-U</i>        |
| 7    | tige             | <i>stem</i>             | <i>PVC-U</i>        |
| 8    | joint du collet  | <i>socket O-ring</i>    | <i>EPDM</i>         |
| 9    | siege            | <i>ball seat</i>        | <i>PE</i>           |
| 10   | joint de la tige | <i>stem O-ring</i>      | <i>EPDM</i>         |
| 11   | joint du corp    | <i>radial O-ring</i>    | <i>EPDM</i>         |
| 12   | joint du siege   | <i>ball seat O-ring</i> | <i>EPDM</i>         |

# VANNE EN PVC POUR LE TRANSPORT DE L'EAU ET PISCINE

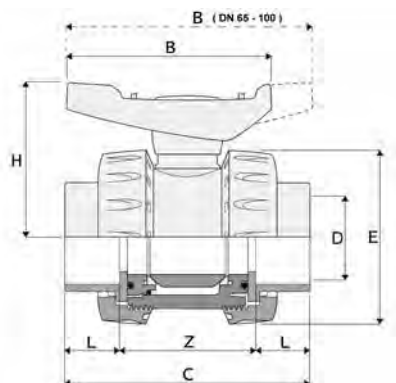
PVC VALVE FOR WATER SUPPLY SYSTEMS AND SWIMMING POOLS



| Ref      | D   | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|-----|-----|----|-----|-----|-----|-----|-----|------|
| AT420016 | 16  | 10  | 14 | 54  | 82  | 53  | 51  | 66  | 0,15 |
| AT420020 | 20  | 15  | 16 | 50  | 82  | 53  | 51  | 66  | 0,15 |
| AT420025 | 25  | 20  | 19 | 53  | 91  | 62  | 59  | 77  | 0,22 |
| AT420032 | 32  | 25  | 22 | 59  | 103 | 71  | 66  | 88  | 0,32 |
| AT420040 | 40  | 32  | 26 | 68  | 120 | 84  | 77  | 102 | 0,51 |
| AT420050 | 50  | 40  | 31 | 77  | 139 | 98  | 87  | 117 | 0,73 |
| AT420063 | 63  | 50  | 38 | 98  | 174 | 117 | 105 | 140 | 1,25 |
| AT420075 | 75  | 65  | 44 | 142 | 230 | 168 | 138 | 225 | 3,40 |
| AT420090 | 90  | 80  | 51 | 142 | 244 | 168 | 138 | 225 | 3,50 |
| AT420110 | 110 | 100 | 61 | 162 | 284 | 210 | 171 | 280 | 5,90 |



| Ref      | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AT421016 | 3/8"   | 10  | 13 | 56  | 82  | 53  | 51  | 66  | 0,15 |
| AT421020 | 1/2"   | 15  | 17 | 56  | 90  | 53  | 51  | 66  | 0,15 |
| AT421025 | 3/4"   | 20  | 19 | 55  | 93  | 62  | 59  | 77  | 0,23 |
| AT421032 | 1"     | 25  | 22 | 66  | 110 | 71  | 66  | 88  | 0,32 |
| AT421040 | 1 1/4" | 32  | 24 | 79  | 127 | 84  | 77  | 102 | 0,52 |
| AT421050 | 1 1/2" | 40  | 24 | 83  | 131 | 98  | 87  | 117 | 0,74 |
| AT421063 | 2"     | 50  | 29 | 103 | 161 | 117 | 105 | 140 | 1,26 |
| AT421075 | 2 1/2" | 65  | 33 | 164 | 230 | 168 | 138 | 225 | 3,40 |
| AT421090 | 3"     | 80  | 36 | 172 | 244 | 168 | 138 | 225 | 3,50 |
| AT421110 | 4"     | 100 | 42 | 200 | 284 | 210 | 171 | 280 | 5,90 |



| Ref      | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AS420016 | 3/8"   | 10  | 15 | 52  | 82  | 53  | 51  | 66  | 0,15 |
| AS420020 | 1/2"   | 15  | 17 | 48  | 82  | 53  | 51  | 66  | 0,15 |
| AS420025 | 3/4"   | 20  | 19 | 53  | 91  | 62  | 59  | 77  | 0,22 |
| AS420032 | 1"     | 25  | 22 | 59  | 103 | 71  | 66  | 88  | 0,32 |
| AS420040 | 1 1/4" | 32  | 26 | 68  | 120 | 84  | 77  | 102 | 0,51 |
| AS420050 | 1 1/2" | 40  | 31 | 77  | 139 | 98  | 87  | 117 | 0,73 |
| AS420063 | 2"     | 50  | 38 | 98  | 174 | 117 | 105 | 140 | 1,25 |
| AT420075 | 2 1/2" | 65  | 44 | 142 | 230 | 168 | 138 | 225 | 3,40 |
| AS420090 | 3"     | 80  | 51 | 142 | 244 | 168 | 138 | 225 | 3,50 |
| AS420110 | 4"     | 100 | 61 | 162 | 284 | 210 | 171 | 280 | 5,90 |

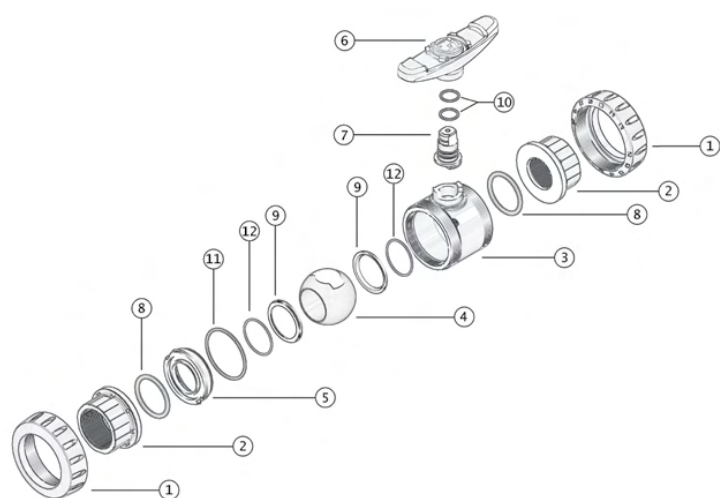


**DN10 - DN50**

**DN65 - DN100**

**DESCRIPTION**

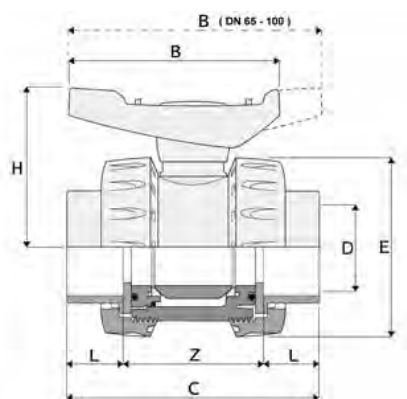
Robinet 1/4 de tour à bille en PVC gris pour applications industrielles et pour les installations de transformation, avec support réglable sur sphère ronde. Joints en EPDM ou FPM, sièges de la sphère en PTFE. Pression d'exercice PN16 à 20°C de DN 10 à DN 50, PN10 à 20°C de DN 65 à DN 100. Versions disponibles pour collage femelle ISO métrique ( AT724) et BS standard ( AS724), filetage femelle BSP ( AT725). Sur demande, possibilité d'exécutions dans d'autres standards internationaux (ASTM, JIS, NPT).



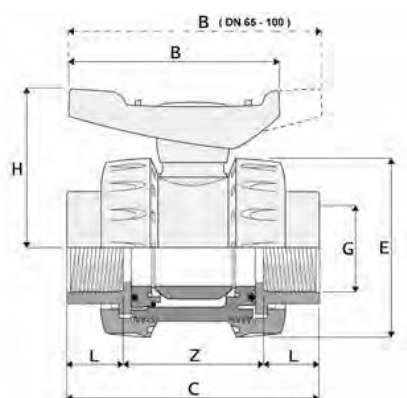
**DESCRIPTION**

Grey PVC ball valve for industrial applications and processing plants, true union provided of adjustable support, round ball. EPDM or FPM seals, ball seats in PTFE. Operating pressure PN16 at 20°C from DN 10-50 and 10 at 20°C from DN 65-100. Versions available: ISO metric ( AT724) and BS standard ( AS724) plain solvent weld socket; BSP threaded socket ( AT725). Available to be manufactured in other international standards (ASTM, JIS, NPT) upon request.

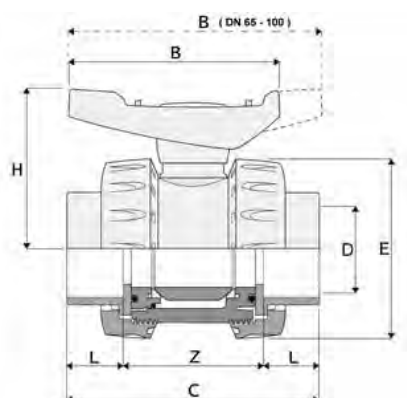
| Pos. | Composants       | Components       | Matériel / Material |
|------|------------------|------------------|---------------------|
| 1    | écrou            | nut              | PVC-U               |
| 2    | collet           | union end        | PVC-U               |
| 3    | corp             | body             | PVC-U               |
| 4    | sphère           | ball             | PVC-U               |
| 5    | support          | support          | PVC-U               |
| 6    | volant           | handle           | PVC-U               |
| 7    | tige             | stem             | PVC-U               |
| 8    | joint du collet  | socket O-ring    | EPDM/FPM            |
| 9    | siege            | ball seat        | PTFE                |
| 10   | joint de la tige | stem O-ring      | EPDM/FPM            |
| 11   | joint du corp    | radial O-ring    | EPDM/FPM            |
| 12   | joint du siege   | ball seat O-ring | EPDM/FPM            |



| Ref      | D   | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|-----|-----|----|-----|-----|-----|-----|-----|------|
| AT724016 | 16  | 10  | 14 | 54  | 82  | 53  | 51  | 66  | 0,15 |
| AT724020 | 20  | 15  | 16 | 50  | 82  | 53  | 51  | 66  | 0,15 |
| AT724025 | 25  | 20  | 19 | 53  | 91  | 62  | 59  | 77  | 0,22 |
| AT724032 | 32  | 25  | 22 | 59  | 103 | 71  | 66  | 88  | 0,32 |
| AT724040 | 40  | 32  | 26 | 68  | 120 | 84  | 77  | 102 | 0,51 |
| AT724050 | 50  | 40  | 31 | 77  | 139 | 98  | 87  | 117 | 0,73 |
| AT724063 | 63  | 50  | 38 | 98  | 174 | 117 | 105 | 140 | 1,25 |
| AT724075 | 75  | 65  | 44 | 142 | 230 | 168 | 138 | 225 | 3,40 |
| AT724090 | 90  | 80  | 51 | 142 | 244 | 168 | 138 | 225 | 3,50 |
| AT724110 | 110 | 100 | 61 | 162 | 284 | 210 | 171 | 280 | 5,90 |



| Ref      | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AT725016 | 3/8"   | 10  | 13 | 56  | 82  | 53  | 51  | 66  | 0,15 |
| AT725020 | 1/2"   | 15  | 17 | 56  | 90  | 53  | 51  | 66  | 0,15 |
| AT725025 | 3/4"   | 20  | 19 | 55  | 93  | 62  | 59  | 77  | 0,23 |
| AT725032 | 1"     | 25  | 22 | 66  | 110 | 71  | 66  | 88  | 0,32 |
| AT725040 | 1 1/4" | 32  | 24 | 79  | 127 | 84  | 77  | 102 | 0,52 |
| AT725050 | 1 1/2" | 40  | 24 | 83  | 131 | 98  | 87  | 117 | 0,74 |
| AT725063 | 2"     | 50  | 29 | 103 | 161 | 117 | 105 | 140 | 1,26 |
| AT725075 | 2 1/2" | 65  | 33 | 164 | 230 | 168 | 138 | 225 | 3,40 |
| AT725090 | 3"     | 80  | 36 | 172 | 244 | 168 | 138 | 225 | 3,50 |
| AT725110 | 4"     | 100 | 42 | 200 | 284 | 210 | 171 | 280 | 5,90 |

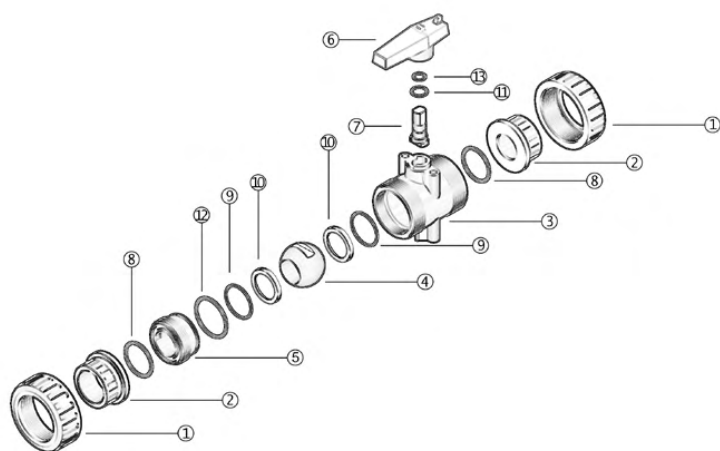


| Ref      | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AS724016 | 3/8"   | 10  | 15 | 52  | 82  | 53  | 51  | 66  | 0,15 |
| AS724020 | 1/2"   | 15  | 17 | 48  | 82  | 53  | 51  | 66  | 0,15 |
| AS724025 | 3/4"   | 20  | 19 | 53  | 91  | 62  | 59  | 77  | 0,22 |
| AS724032 | 1"     | 25  | 22 | 59  | 103 | 71  | 66  | 88  | 0,32 |
| AS724040 | 1 1/4" | 32  | 26 | 68  | 120 | 84  | 77  | 102 | 0,51 |
| AS724050 | 1 1/2" | 40  | 31 | 77  | 139 | 98  | 87  | 117 | 0,73 |
| AS724063 | 2"     | 50  | 38 | 98  | 174 | 117 | 105 | 140 | 1,25 |
| AT724075 | 2 1/2" | 65  | 44 | 142 | 230 | 168 | 138 | 225 | 3,40 |
| AS724090 | 3"     | 80  | 51 | 142 | 244 | 168 | 138 | 225 | 3,50 |
| AS724110 | 4"     | 100 | 61 | 162 | 284 | 210 | 171 | 280 | 5,90 |



**DESCRIPTION**

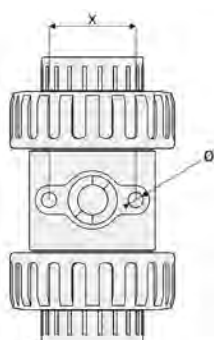
Robinet 1/4 tour à bille en PVC gris pour applications industrielles, double anneaux à démontage radial, avec support réglable sur sphère ronde, doté de espace creux de fixation et raccordement de l'actionneur. Joints en EPDM, sièges de la sphère en PTFE. Pression d'exercice PN16 à 20°C. Versions disponibles pour collage femelle ISO métrique ( AT111) et BS ( AS111), filetage femelle BSP ( AT112).



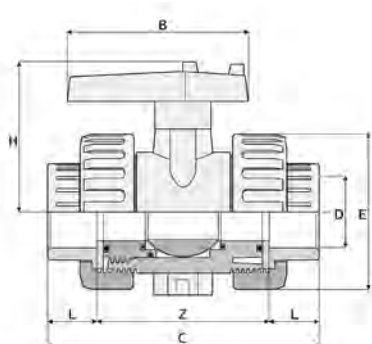
**DESCRIPTION**

Grey PVC ball valve for industrial applications, true union, adjustable support, provided with seatings for actuator brackets and connections. EPDM seals, PTFE ball seats. Operating pressure PN16 at 20°C. Versions available: ISO metric ( AT111) and BS standard ( AS111) plain solvent weld socket; BSP threaded socket ( AT112).

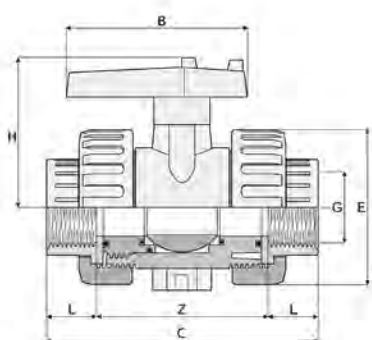
| Pos. | Composants          | Components           | Matériel / Material |
|------|---------------------|----------------------|---------------------|
| 1    | ecrou               | <i>nut</i>           | <i>PVC-U</i>        |
| 2    | collet              | <i>union end</i>     | <i>PVC-U</i>        |
| 3    | corp                | <i>body</i>          | <i>PVC-U</i>        |
| 4    | sphère              | <i>ball</i>          | <i>PVC-U</i>        |
| 5    | support             | <i>support</i>       | <i>PVC-U</i>        |
| 6    | manette             | <i>handle</i>        | <i>PVC-U</i>        |
| 7    | tige                | <i>stem</i>          | <i>PVC-U</i>        |
| 8    | joint du collet     | <i>socket O-ring</i> | <i>EPDM</i>         |
| 9    | joint pour le siege | <i>seat O-ring</i>   | <i>EPDM</i>         |
| 10   | siège               | <i>ball seat</i>     | <i>PTFE</i>         |
| 11   | joint de la tige    | <i>stem O-ring</i>   | <i>EPDM</i>         |
| 12   | joint du corp       | <i>body O-ring</i>   | <i>EPDM</i>         |
| 13   | joint de la tige    | <i>stem O-ring</i>   | <i>EPDM</i>         |



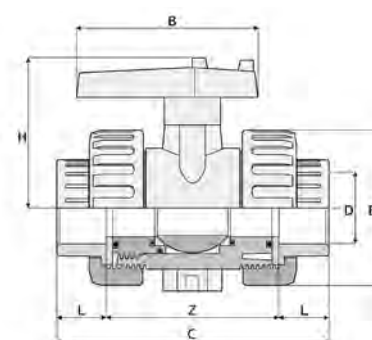
| DN | X  | Ø   |
|----|----|-----|
| 10 | 31 | 5,5 |
| 15 | 31 | 5,5 |
| 20 | 31 | 5,5 |
| 25 | 40 | 6,5 |
| 32 | 45 | 8   |
| 40 | 50 | 8   |
| 50 | 50 | 8   |



| Ref      | D  | DN | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|----|----|----|-----|-----|-----|-----|-----|------|
| AT111160 | 16 | 10 | 14 | 69  | 97  | 47  | 45  | 66  | 0,16 |
| AT111200 | 20 | 15 | 16 | 70  | 102 | 47  | 45  | 66  | 0,16 |
| AT111250 | 25 | 20 | 19 | 82  | 120 | 57  | 55  | 78  | 0,26 |
| AT111320 | 32 | 25 | 22 | 87  | 131 | 68  | 67  | 86  | 0,39 |
| AT111400 | 40 | 32 | 26 | 98  | 150 | 86  | 83  | 100 | 0,66 |
| AT111500 | 50 | 40 | 31 | 101 | 163 | 98  | 91  | 110 | 0,94 |
| AT111630 | 63 | 50 | 38 | 121 | 197 | 122 | 111 | 130 | 1,73 |



| Ref      | D      | DN | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|--------|----|----|-----|-----|-----|-----|-----|------|
| AT112160 | 3/8"   | 10 | 13 | 72  | 98  | 47  | 45  | 66  | 0,16 |
| AT112200 | 1/2"   | 15 | 17 | 68  | 102 | 47  | 45  | 66  | 0,16 |
| AT112250 | 3/4"   | 20 | 19 | 82  | 120 | 57  | 55  | 78  | 0,26 |
| AT112320 | 1"     | 25 | 22 | 92  | 136 | 68  | 67  | 86  | 0,40 |
| AT112400 | 1 1/4" | 32 | 24 | 107 | 155 | 86  | 83  | 100 | 0,67 |
| AT112500 | 1 1/2" | 40 | 24 | 110 | 158 | 98  | 91  | 110 | 0,94 |
| AT112630 | 2"     | 50 | 29 | 132 | 190 | 122 | 111 | 130 | 1,72 |



| Ref      | D      | DN | L  | Z   | C   | E   | H   | B   | Kg   |
|----------|--------|----|----|-----|-----|-----|-----|-----|------|
| AS111160 | 3/8"   | 10 | 15 | 67  | 97  | 47  | 45  | 66  | 0,16 |
| AS111200 | 1/2"   | 15 | 17 | 68  | 102 | 47  | 45  | 66  | 0,16 |
| AS111250 | 3/4"   | 20 | 19 | 82  | 120 | 57  | 55  | 78  | 0,26 |
| AS111320 | 1"     | 25 | 22 | 87  | 131 | 68  | 67  | 86  | 0,39 |
| AS111400 | 1 1/4" | 32 | 26 | 98  | 150 | 86  | 83  | 100 | 0,66 |
| AS111500 | 1 1/2" | 40 | 31 | 101 | 163 | 98  | 91  | 110 | 0,94 |
| AS111630 | 2"     | 50 | 38 | 121 | 197 | 122 | 111 | 130 | 1,73 |



**DN10 - DN50**



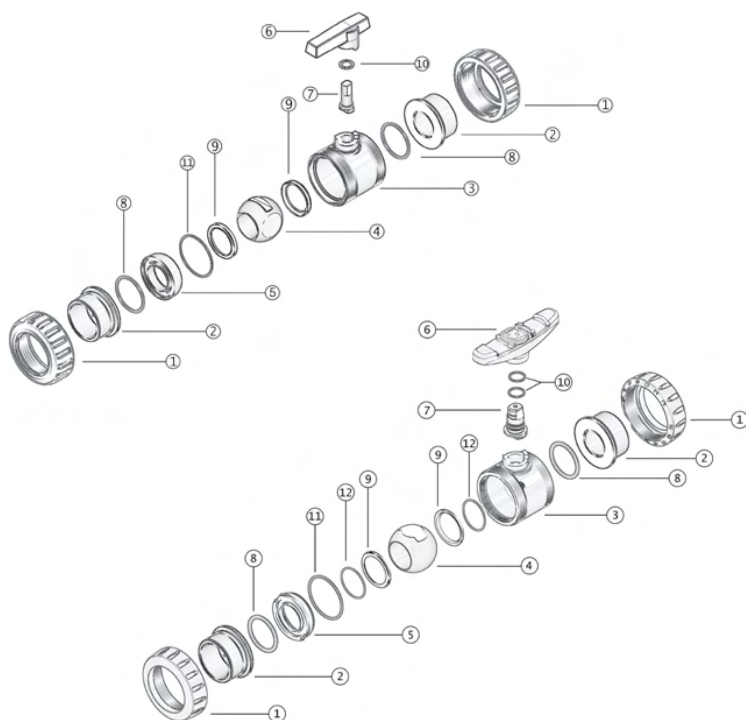
**DN65 - DN100**

### DESCRIPTION

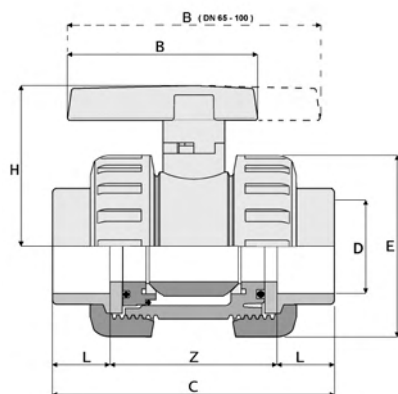
Robinet 1/4 de tour à bille en PVC gris pour les installations de transformation, double anneaux à démontage radial, avec support réglable sur sphère ronde. Joints en EPDM ou FPM, sièges de la sphère en PTFE. Pression d'exercice PN16 à 20°C jusqu'à DN50, PN10 à 20°C du DN65-80, PN6 à 20°C DN 100. Versions disponibles pour collage femelle ISO métrique ( AT322) et BS standard ( AS322), filetage femelle BSP ( AT321).

### DESCRIPTION

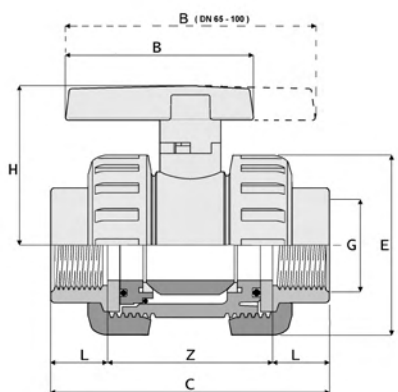
Grey PVC ball valve for water irrigation and supply systems, true union, free support. EPDM seals, PE ball seats. Operating pressure PN16 at 20°C up to DN 50, PN10 at 20°C DN65-80, PN6 at 20°C DN100. Versions available: ISO metric ( AT322) and BS standard ( AS322) plain solvent weld socket; BSP threaded female socket ( AT321).



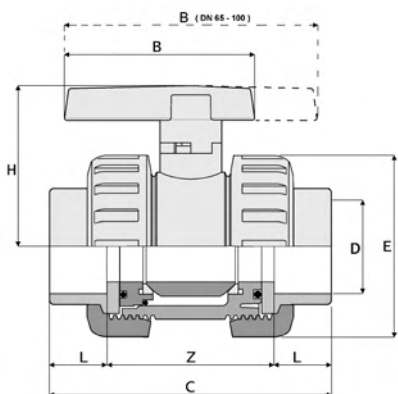
| Pos. | Composants       | Components       | Matériel / Material |
|------|------------------|------------------|---------------------|
| 1    | ecrou            | nut              | PVC-U               |
| 2    | collet           | union end        | PVC-U               |
| 3    | corp             | body             | PVC-U               |
| 4    | sphère           | ball             | PVC-U               |
| 5    | support          | support          | PVC-U               |
| 6    | volant           | handle           | PVC-U               |
| 7    | tige             | stem             | PVC-U               |
| 8    | joint du collet  | socket O-ring    | EPDM                |
| 9    | siege            | ball seat        | PE                  |
| 10   | joint de la tige | stem O-ring      | EPDM                |
| 11   | joint du corp    | radial O-ring    | EPDM                |
| 12   | joint du siege   | ball seat O-ring | EPDM                |



| Ref          | D   | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|--------------|-----|-----|----|-----|-----|-----|-----|-----|------|
| AT32216000H  | 16  | 10  | 14 | 47  | 75  | 50  | 50  | 57  | 0,13 |
| AT32220000H  | 20  | 15  | 16 | 48  | 80  | 50  | 50  | 57  | 0,13 |
| AT32225000H  | 25  | 20  | 19 | 57  | 95  | 59  | 55  | 66  | 0,21 |
| AT32232000H  | 32  | 25  | 22 | 64  | 108 | 68  | 63  | 75  | 0,30 |
| AT32240000H  | 40  | 32  | 26 | 72  | 124 | 80  | 76  | 90  | 0,45 |
| AT32250000H  | 50  | 40  | 31 | 84  | 146 | 96  | 88  | 103 | 0,71 |
| AT32263000H  | 63  | 50  | 38 | 96  | 172 | 116 | 102 | 121 | 1,15 |
| AT32275000LW | 75  | 65  | 44 | 142 | 230 | 168 | 138 | 225 | 3,40 |
| AT32290000LW | 90  | 80  | 51 | 142 | 244 | 168 | 138 | 225 | 3,50 |
| AT32211000LW | 110 | 100 | 61 | 162 | 284 | 210 | 171 | 280 | 5,90 |



| Ref          | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|--------------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AT32116000H  | 3/8"   | 10  | 13 | 49  | 75  | 50  | 50  | 57  | 0,13 |
| AT32120000H  | 1/2"   | 15  | 17 | 46  | 80  | 50  | 50  | 57  | 0,14 |
| AT32125000H  | 3/4"   | 20  | 19 | 57  | 95  | 59  | 55  | 66  | 0,22 |
| AT32132000H  | 1"     | 25  | 22 | 64  | 108 | 68  | 63  | 75  | 0,31 |
| AT32140000H  | 1 1/4" | 32  | 24 | 76  | 124 | 80  | 76  | 90  | 0,46 |
| AT32150000H  | 1 1/2" | 40  | 24 | 98  | 146 | 96  | 88  | 103 | 0,73 |
| AT32163000H  | 2"     | 50  | 29 | 114 | 172 | 116 | 102 | 121 | 1,20 |
| AT32175000LW | 2 1/2" | 65  | 33 | 164 | 230 | 168 | 138 | 225 | 3,40 |
| AT32190000LW | 3"     | 80  | 36 | 172 | 244 | 168 | 138 | 225 | 3,55 |
| AT32111000LW | 4"     | 100 | 42 | 200 | 284 | 210 | 171 | 280 | 5,90 |



| Ref          | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|--------------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AS32216000H  | 3/8"   | 10  | 15 | 45  | 75  | 50  | 50  | 57  | 0,13 |
| AS32220000H  | 1/2"   | 15  | 17 | 46  | 80  | 50  | 50  | 57  | 0,13 |
| AS32225000H  | 3/4"   | 20  | 19 | 57  | 95  | 59  | 55  | 66  | 0,21 |
| AS32232000H  | 1"     | 25  | 22 | 64  | 108 | 68  | 63  | 75  | 0,30 |
| AS32240000H  | 1 1/4" | 32  | 26 | 72  | 124 | 80  | 76  | 90  | 0,45 |
| AS32250000H  | 1 1/2" | 40  | 31 | 84  | 146 | 96  | 88  | 103 | 0,71 |
| AS32263000H  | 2"     | 50  | 38 | 96  | 172 | 116 | 102 | 121 | 1,15 |
| AT32275000LW | 2 1/2" | 65  | 44 | 142 | 230 | 168 | 138 | 225 | 3,40 |
| AS32290000LW | 3"     | 80  | 51 | 142 | 244 | 168 | 138 | 225 | 3,50 |
| AS32211000LW | 4"     | 100 | 61 | 162 | 284 | 210 | 171 | 280 | 5,90 |

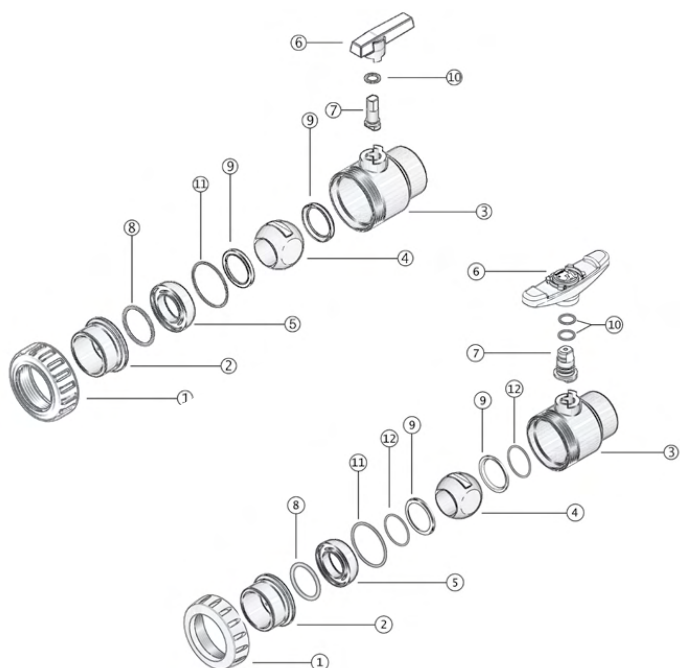


**DESCRIPTION**

Robinet à bille en PVC gris pour irrigation e transport d'eau, anneau simple avec support libre. Joints en EPDM, sièges de la sphère en PE. Pression d'exercice PN16 à 20°C jusqu'à DN50,PN10 à 20°C DN65-80, PN6 à 20°C DN100. Versions disponibles pour collage femelle ISO métrique ( AT302) et BS standard ( AS302), filetage femelle BSP ( AT301).

**DESCRIPTION**

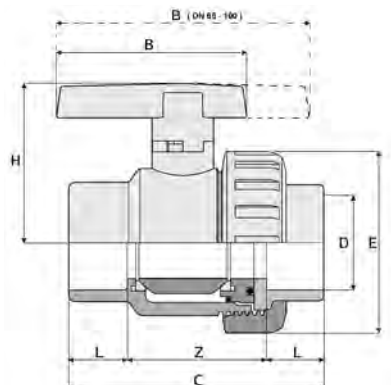
Grey PVC ball valve for irrigation and water supply systems, single union, free support. EPDM seals, PE ball seats. Operating pressure PN16 at 20°C up to DN 50, PN10 at 20°C DN65-80,PN6 at 20°C DN100. Versions available: ISO metric ( AT302) and BS standard ( AS302) plain solvent weld socket; BSP threaded socket ( AT301).



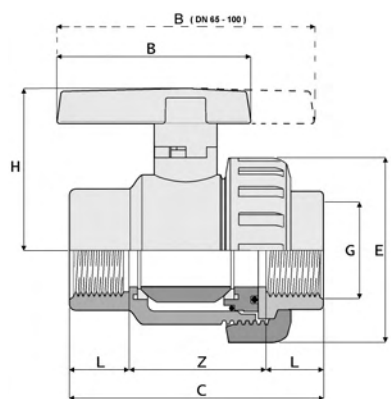
| Pos. | Composants       | Components              | Matériel / Material |
|------|------------------|-------------------------|---------------------|
| 1    | ecrou            | <i>nut</i>              | <i>PVC-U</i>        |
| 2    | collet           | <i>union end</i>        | <i>PVC-U</i>        |
| 3    | corp             | <i>body</i>             | <i>PVC-U</i>        |
| 4    | sphère           | <i>ball</i>             | <i>PVC-U</i>        |
| 5    | support          | <i>support</i>          | <i>PVC-U</i>        |
| 6    | volant           | <i>handle</i>           | <i>PVC-U</i>        |
| 7    | tige             | <i>stem</i>             | <i>PVC-U</i>        |
| 8    | joint du collet  | <i>socket O-ring</i>    | <i>EPDM</i>         |
| 9    | siege            | <i>ball seat</i>        | <i>PE</i>           |
| 10   | joint de la tige | <i>stem O-ring</i>      | <i>EPDM</i>         |
| 11   | joint du corp    | <i>body O-ring</i>      | <i>EPDM</i>         |
| 12   | joint du siege   | <i>ball seat O-ring</i> | <i>EPDM</i>         |

# VANNE EN PVC POUR IRRIGATION ET TRANSPORT DE L'EAU (SIMPLE UNION)

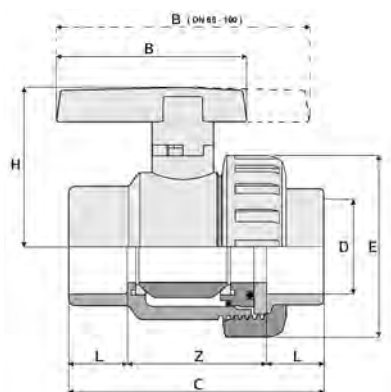
PVC VALVE FOR IRRIGATION AND WATER SUPPLY SYSTEMS (SINGLE UNION)



| Ref          | D   | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|--------------|-----|-----|----|-----|-----|-----|-----|-----|------|
| AT30216000H  | 16  | 10  | 15 | 41  | 71  | 50  | 50  | 57  | 0,10 |
| AT30220000H  | 20  | 15  | 16 | 42  | 74  | 50  | 50  | 57  | 0,10 |
| AT30225000H  | 25  | 20  | 19 | 48  | 86  | 59  | 55  | 66  | 0,16 |
| AT30232000H  | 32  | 25  | 22 | 56  | 100 | 68  | 63  | 75  | 0,24 |
| AT30240000H  | 40  | 32  | 26 | 62  | 114 | 80  | 76  | 90  | 0,35 |
| AT30250000H  | 50  | 40  | 31 | 74  | 136 | 96  | 88  | 103 | 0,55 |
| AT30263000H  | 63  | 50  | 38 | 86  | 162 | 116 | 102 | 121 | 0,93 |
| AT30275000LW | 75  | 65  | 44 | 122 | 210 | 168 | 138 | 225 | 2,60 |
| AT30290000LW | 90  | 80  | 51 | 124 | 226 | 168 | 138 | 225 | 2,70 |
| AT30211000LW | 110 | 100 | 61 | 150 | 272 | 210 | 171 | 280 | 4,70 |



| Ref          | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|--------------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AT30116000H  | 3/8"   | 10  | 13 | 45  | 71  | 50  | 50  | 57  | 0,10 |
| AT30120000H  | 1/2"   | 15  | 17 | 40  | 74  | 50  | 50  | 57  | 0,11 |
| AT30125000H  | 3/4"   | 20  | 19 | 48  | 86  | 59  | 55  | 66  | 0,16 |
| AT30132000H  | 1"     | 25  | 22 | 56  | 100 | 68  | 63  | 75  | 0,24 |
| AT30140000H  | 1 1/4" | 32  | 24 | 66  | 114 | 80  | 76  | 90  | 0,36 |
| AT30150000H  | 1 1/2" | 40  | 24 | 88  | 136 | 96  | 88  | 103 | 0,58 |
| AT30163000H  | 2"     | 50  | 29 | 104 | 162 | 116 | 102 | 121 | 0,96 |
| AT30175000LW | 2 1/2" | 65  | 33 | 144 | 210 | 168 | 138 | 225 | 2,70 |
| AT30190000LW | 3"     | 80  | 36 | 154 | 226 | 168 | 138 | 225 | 2,80 |
| AT30111000LW | 4"     | 100 | 42 | 188 | 272 | 210 | 171 | 280 | 4,70 |



| Ref          | D      | DN  | L  | Z   | C   | E   | H   | B   | Kg   |
|--------------|--------|-----|----|-----|-----|-----|-----|-----|------|
| AS30216000H  | 3/8"   | 10  | 15 | 41  | 71  | 50  | 50  | 57  | 0,10 |
| AS30220000H  | 1/2"   | 15  | 17 | 40  | 74  | 50  | 50  | 57  | 0,10 |
| AS30225000H  | 3/4"   | 20  | 19 | 48  | 86  | 59  | 55  | 66  | 0,16 |
| AS30232000H  | 1"     | 25  | 22 | 56  | 100 | 68  | 63  | 75  | 0,24 |
| AS30240000H  | 1 1/4" | 32  | 26 | 62  | 114 | 80  | 76  | 90  | 0,35 |
| AS30250000H  | 1 1/2" | 40  | 31 | 74  | 136 | 96  | 88  | 103 | 0,55 |
| AS30263000H  | 2"     | 50  | 38 | 86  | 162 | 116 | 102 | 121 | 0,93 |
| AT30275000LW | 2 1/2" | 65  | 44 | 122 | 210 | 168 | 138 | 225 | 2,60 |
| AS30290000LW | 3"     | 80  | 51 | 124 | 226 | 168 | 138 | 225 | 2,70 |
| AS30211000LW | 4"     | 100 | 61 | 150 | 272 | 210 | 171 | 280 | 4,70 |

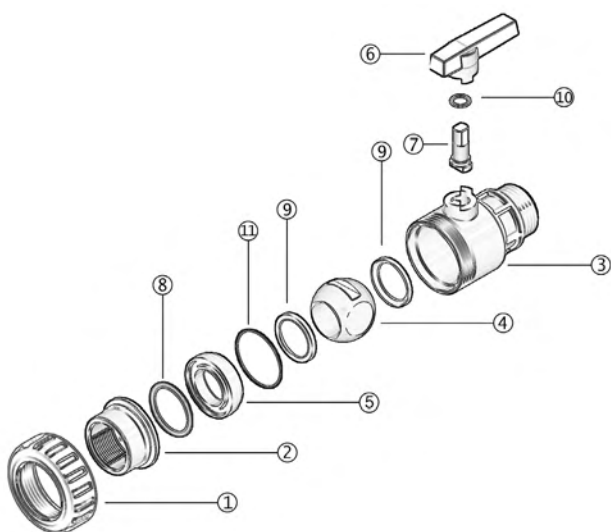


#### DESCRIPTION

Robinet à bille en PVC gris pour irrigation et transport d'eau, anneau simple avec support libre. Joints en EPDM, sièges de la sphère en PE. Pression d'exercice PN16 à 20°C. Version disponible filetage femelle BSP côté anneau et filetage mâle côté corps de soupape.

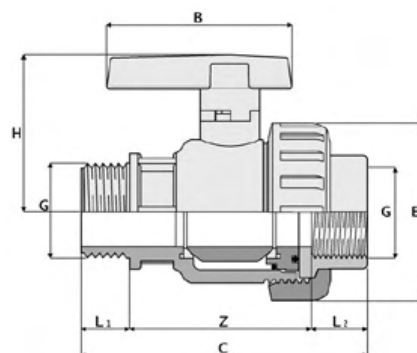
#### DESCRIPTION

Grey PVC ball valve for irrigation and water supply systems, single union, free support. EPDM seals, PE ball seats. Operating pressure PN16 at 20°C. Version available: BSP threaded socket on nut side, male thread on valve body side.



| Pos. | Composants       | Components           | Matériel /<br>Material |
|------|------------------|----------------------|------------------------|
| 1    | ecrou            | <i>nut</i>           | PVC-U                  |
| 2    | collet           | <i>union end</i>     | PVC-U                  |
| 3    | corp             | <i>body</i>          | PVC-U                  |
| 4    | sphère           | <i>ball</i>          | PVC-U                  |
| 5    | support          | <i>support</i>       | PVC-U                  |
| 6    | volant           | <i>handle</i>        | PVC-U                  |
| 7    | tige             | <i>stem</i>          | PVC-U                  |
| 8    | joint du collet  | <i>socket O-ring</i> | EPDM                   |
| 9    | siege            | <i>ball seat</i>     | PE                     |
| 10   | joint de la tige | <i>stem O-ring</i>   | EPDM                   |
| 11   | joint du corp    | <i>body O-ring</i>   | EPDM                   |

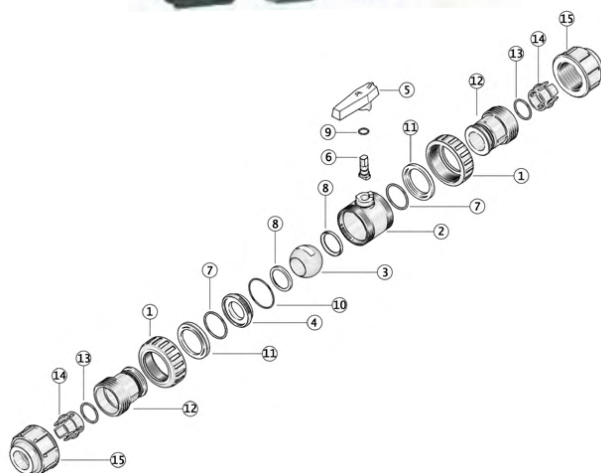
| Ref         | G      | DN | L1 | L2 | Z   | C   | E   | H   | B      | Kg   |
|-------------|--------|----|----|----|-----|-----|-----|-----|--------|------|
| AT30316000H | 3/8"   | 10 | 12 | 13 | 60  | 85  | 50  | 50  | 57,00  | 0,10 |
| AT30320000H | 1/2"   | 15 | 15 | 17 | 53  | 85  | 50  | 50  | 57,00  | 0,11 |
| AT30325000H | 3/4"   | 20 | 17 | 20 | 61  | 98  | 59  | 55  | 66,00  | 0,16 |
| AT30332000H | 1"     | 25 | 19 | 22 | 72  | 113 | 68  | 63  | 75,00  | 0,25 |
| AT30340000H | 1 1/4" | 32 | 22 | 24 | 84  | 130 | 80  | 76  | 90,00  | 0,36 |
| AT30350000H | 1 1/2" | 40 | 22 | 24 | 104 | 150 | 96  | 88  | 103,00 | 0,59 |
| AT30363000H | 2"     | 50 | 26 | 29 | 122 | 177 | 116 | 102 | 121,00 | 0,98 |



## VANNE EN PVC POUR TRANSPORT DE L'EAU ET PISCINES - VERSION JOINT A COMPRESSION



### PVC VALVE FOR WATER SUPPLY SYSTEMS SWIMMING POOLS - COMPRESSION FITTING JUNCTION



#### DESCRIPTION

Robinet 1/4 de tour à bille en PVC gris pour les installations de transformation, double anneaux à démontage radial, avec support réglable sur sphère ronde. Joints en EPDM ou FPM, sièges de la sphère en PE.

Pression d'exercice PN16 à 20°C dotée de joint à compression pour raccordement métrique à des tuyaux PE sur les deux côtés.

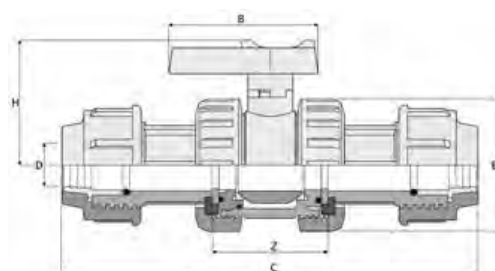
#### DESCRIPTION

Grey PVC ball valve for water supply systems and swimming pools, true union, with adjustable support.

EPDM seals, PE ball seats. Operating pressure PN16 at 20°C provided with compression fitting junction to connect PE ISO metric pipes from both sides.

| Pos. | Composants             | Components            | Matériel / Material |
|------|------------------------|-----------------------|---------------------|
| 1    | ecrou                  | valve nut             | PVC-U               |
| 2    | corp                   | body valve            | PVC-U               |
| 3    | sphère                 | ball valve            | PVC-U               |
| 4    | support                | support               | PVC-U               |
| 5    | volant                 | handle                | PVC-U               |
| 6    | tige                   | stem                  | PVC-U               |
| 7    | joint du collet        | socket O-ring         | EPDM                |
| 8    | siege                  | ball seat             | PE                  |
| 9    | joint de la tige       | stem O-ring           | EPDM                |
| 10   | joint du corp          | body O-ring           | EPDM                |
| 11   | bague ouverte          | split ring            | PVC-U               |
| 12   | corp du joint compr.   | body compr. fitting   | PVC-U               |
| 13   | O-ring du joint compr. | compr. fitting O-ring | NBR                 |
| 14   | bague de serrage       | clinchng ring         | POM                 |
| 15   | ecrou du joint compr.  | compr. fitting nut    | PP                  |

| Ref         | D  | DN | C   | E  | H  | B  | Z  | Kg   |
|-------------|----|----|-----|----|----|----|----|------|
| AT33420000W | 20 | 15 | 175 | 50 | 50 | 57 | 74 | 0,20 |
| AT33425000W | 25 | 20 | 195 | 59 | 55 | 66 | 85 | 0,30 |
| AT33432000W | 32 | 25 | 215 | 68 | 67 | 75 | 85 | 0,45 |





#### DESCRIPTION

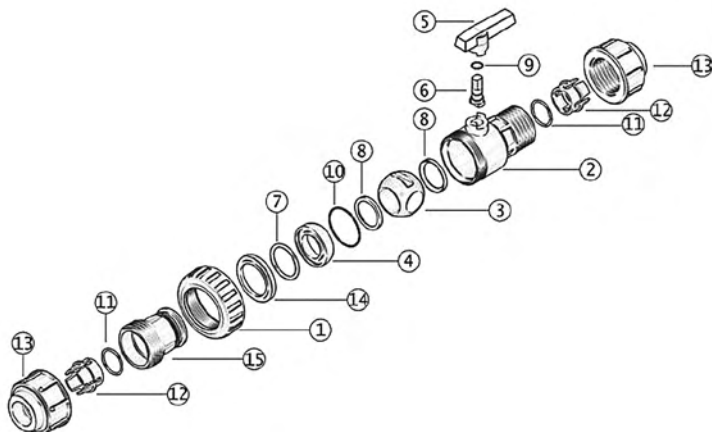
Robinet à bille 1/4 de tour en PVC gris pour l'irrigation, simple anneau, avec support libre. Joints en EPDM, sièges de la sphère en PE. Pression d'exercice PN16 à 20°C.

Dotée de joint à compression pour raccordement métrique à des tuyaux PE sur le deux côtés.

#### DESCRIPTION

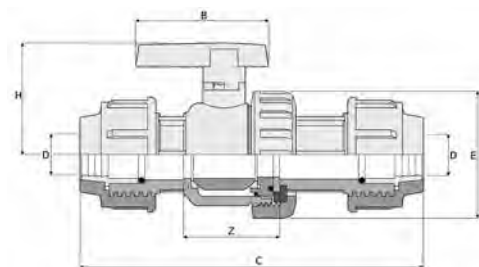
Grey PVC ball valve for irrigation systems, single union, free support. EPDM seals, PE ball seats.

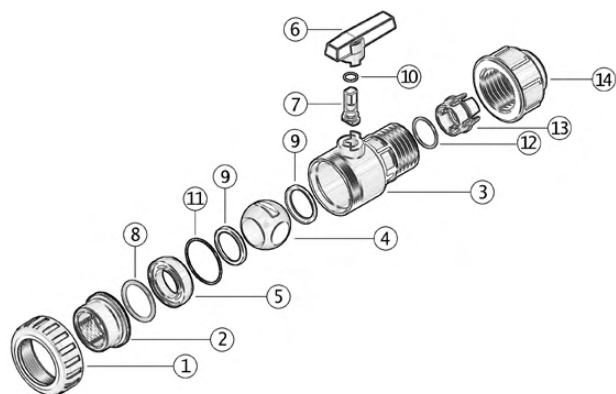
Operating pressure PN16 at 20°C provided with compression fitting junction to connect PE ISO metric pipes from both sides.



| Pos. | Composants           | Components                   | Matériel / Material |
|------|----------------------|------------------------------|---------------------|
| 1    | ecrou                | <i>nut</i>                   | PVC-U               |
| 2    | corp                 | <i>body</i>                  | PVC-U               |
| 3    | sphère               | <i>ball</i>                  | PVC-U               |
| 4    | support              | <i>support</i>               | PVC-U               |
| 5    | volant               | <i>handle</i>                | PVC-U               |
| 6    | tige                 | <i>stem</i>                  | PVC-U               |
| 7    | joint du collet      | <i>socket O-ring</i>         | EPDM                |
| 8    | siege                | <i>ball seat</i>             | PE                  |
| 9    | joint de la tige     | <i>stem O-ring</i>           | EPDM                |
| 10   | joint du corp        | <i>body O-ring</i>           | EPDM                |
| 11   | joint compr. O-ring  | <i>compr. fitting O-ring</i> | NBR                 |
| 12   | bague de serrage     | <i>clinchng ring</i>         | POM                 |
| 13   | ecrou du joint compr | <i>compr. fitting nut</i>    | PP                  |
| 14   | bague ouverte        | <i>split ring</i>            | PVC-U               |
| 15   | corp du joint compr. | <i>body compr. fitting</i>   | PVC-U               |

| Ref         | D  | DN | C   | E  | H  | B  | Z  | Kg   |
|-------------|----|----|-----|----|----|----|----|------|
| AT33520000W | 20 | 15 | 148 | 50 | 50 | 57 | 67 | 0,16 |
| AT33525000W | 25 | 20 | 165 | 59 | 55 | 66 | 77 | 0,24 |
| AT33532000W | 32 | 25 | 188 | 68 | 63 | 75 | 83 | 0,37 |





### DESCRIPTION

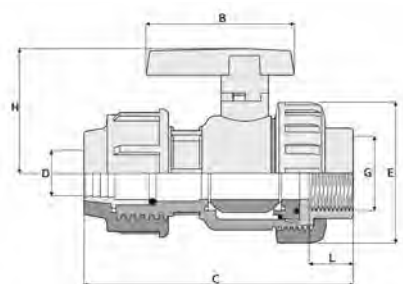
Robinet à bille 1/4 de tour en PVC gris pour l'irrigation, simple anneau, avec support libre. Joints en EPDM, sièges de la sphère en PE. Pression d'exercice PN16 à 20°C. Version disponible filetage femelle BSP côté anneau et dotée de joint à compression pour raccordement à des tuyaux PE côté corps de soupape.

### DESCRIPTION

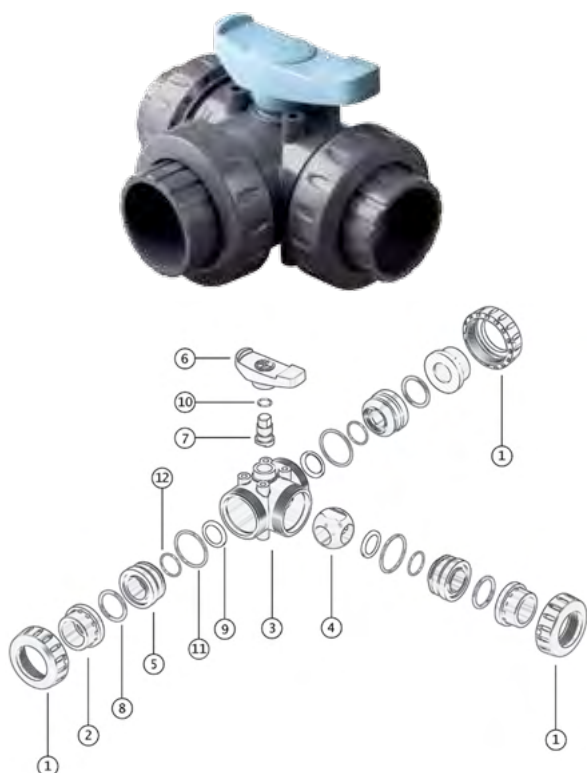
Grey PVC ball valve for irrigation systems, single union, free support. EPDM seals, PE ball seats.

Operating pressure PN16 at 20°C. Version available: BSP threaded socket on nut side, compression fitting for connection to PE pipes on valve body side.

| Pos. | Composants       | Components           | Matériel / Material |
|------|------------------|----------------------|---------------------|
| 1    | ecrou            | <i>nut</i>           | PVC-U               |
| 2    | collet           | <i>union end</i>     | PVC-U               |
| 3    | corp             | <i>body</i>          | PVC-U               |
| 4    | sphère           | <i>ball</i>          | PVC-U               |
| 5    | support          | <i>support</i>       | PVC-U               |
| 6    | volant           | <i>handle</i>        | PVC-U               |
| 7    | tige             | <i>stem</i>          | PVC-U               |
| 8    | joint du collet  | <i>socket O-ring</i> | EPDM                |
| 9    | siège            | <i>ball seat</i>     | PE                  |
| 10   | joint de la tige | <i>stem O-ring</i>   | EPDM                |
| 11   | joint du corp    | <i>body O-ring</i>   | EPDM                |
| 12   | joint du corp    | <i>body O-ring</i>   | NBR                 |
| 13   | bague de serrage | <i>clinchng ring</i> | POM                 |
| 14   | ecrou            | <i>nut</i>           | PP                  |



| Ref         | DxG       | DN | L  | C   | E   | H   | B   | Kg   |
|-------------|-----------|----|----|-----|-----|-----|-----|------|
| AT30516000L | 16x3/8"   | 10 | 13 | 96  | 50  | 50  | 57  | 0,12 |
| AT30520000L | 20x1/2"   | 15 | 17 | 99  | 50  | 50  | 57  | 0,13 |
| AT30525000L | 25x3/4"   | 20 | 19 | 115 | 59  | 55  | 66  | 0,20 |
| AT30532000L | 32x1"     | 25 | 22 | 131 | 68  | 63  | 75  | 0,30 |
| AT30540000L | 40x1 1/4" | 32 | 24 | 158 | 80  | 76  | 90  | 0,46 |
| AT30550000L | 50x1 1/2" | 40 | 24 | 181 | 96  | 88  | 103 | 0,74 |
| AT30563000L | 63x2"     | 50 | 29 | 221 | 116 | 102 | 121 | 1,20 |



#### DESCRIPTION

Robinet à tournant sphérique à 3 voies en PVC gris, utilisée pour détourner ou mélanger la canalisation Démontage radial des trois raccords-unions; sphère avec alésage en T. Joints d'étanchéité en EPDM, siege de la sphère en PTFE. Conditions de fonctionnement PN10 à 20°C. Versions disponibles pour collage female ISO métrique ( AT930) et BS standard ( AS930); filetage femelle BSP ( AT931). Sur demande possibilité d'executions dans d'autres standards internationaux (ASTM, JIS, NPT).

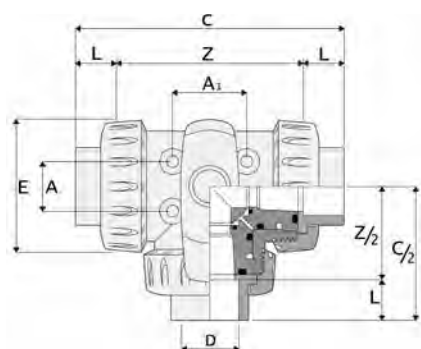
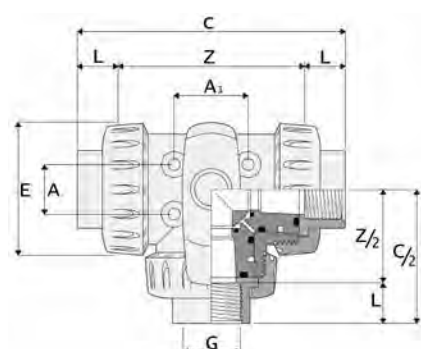
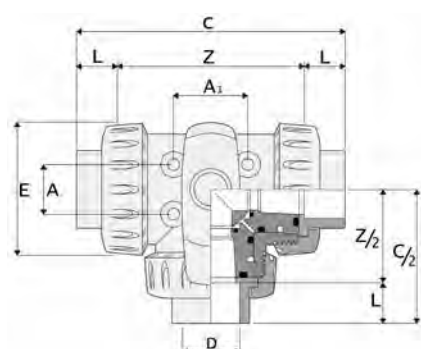
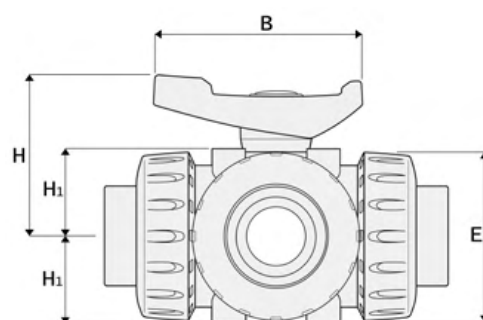
#### DESCRIPTION

3-way ball valve in grey PVC used for diverting or mixing fluid. True union construction: allows the easy removal of the valve body from the system at all three connection points; T bore ball. O'rings in EPDM; ball seats in PTFE. Operating pressure PN10 at 20°C. Versions available: ISO metric ( AT930) and BS standard ( AS930) plain solvent weld socket; BSP threaded socket ( AT931). Available to be manufactured in other international standards (ASTM,JIS, NPT) upon request.

| Pos. | Composants                     | Components            | Matériel / Material |
|------|--------------------------------|-----------------------|---------------------|
| 1    | ecrou                          | nut                   | PVC-U               |
| 2    | collet                         | union end             | PVC-U               |
| 3    | corp                           | body                  | PVC-U               |
| 4    | sphère                         | ball                  | PVC-U               |
| 5    | support de la garniture sphère | support for ball seat | PVC-U               |
| 6    | volant                         | handle                | PVC-U               |
| 7    | tige                           | stem                  | PVC-U               |
| 8    | joint du collet                | socket O-ring         | EPDM                |
| 9    | garniture sphere               | ball seat             | PTFE                |
| 10   | joint de la tige               | stem O-ring           | EPDM                |
| 11   | joint du corp                  | body o'ring           | EPDM                |
| 12   | O-ring pour garniture sphere   | O-ring for ball seat  | EPDM                |

# VANNE EN PVC A 3 VOIES

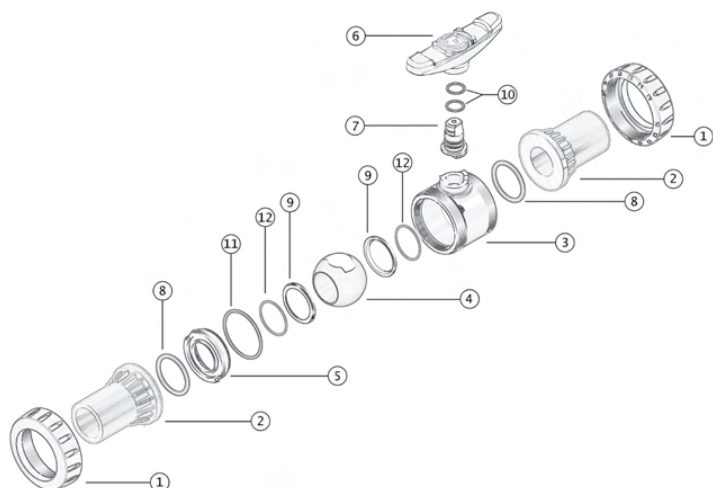
## 3 WAY PVC VALVE



| Ref        | D  | DN | H   | B   | E   | L  | Z   | C   | H1    | A1    | A     | Kg   |
|------------|----|----|-----|-----|-----|----|-----|-----|-------|-------|-------|------|
| AT93002000 | 20 | 15 | 52  | 66  | 53  | 16 | 76  | 108 | 27,50 | 24,00 | 24,00 | 0,25 |
| AT93002500 | 25 | 20 | 61  | 77  | 62  | 19 | 90  | 128 | 32,50 | 31,00 | 25,00 | 0,39 |
| AT93003200 | 32 | 25 | 68  | 88  | 71  | 22 | 100 | 144 | 36,50 | 40,00 | 27,00 | 0,56 |
| AT93004000 | 40 | 32 | 76  | 102 | 84  | 26 | 121 | 173 | 43,00 | 41,00 | 32,00 | 0,88 |
| AT93005000 | 50 | 40 | 91  | 117 | 98  | 31 | 135 | 197 | 51,50 | 53,00 | 28,00 | 1,29 |
| AT93006300 | 63 | 50 | 107 | 140 | 117 | 38 | 167 | 243 | 59,50 | 58,00 | 35,00 | 2,09 |

| Ref        | G      | DN | H   | B   | E   | L  | Z   | C   | H1    | A1    | A     | Kg   |
|------------|--------|----|-----|-----|-----|----|-----|-----|-------|-------|-------|------|
| AT93102000 | 1/2"   | 15 | 52  | 66  | 53  | 15 | 86  | 116 | 27,50 | 24,00 | 24,00 | 0,25 |
| AT93102500 | 3/4"   | 20 | 61  | 77  | 62  | 16 | 98  | 130 | 32,50 | 31,00 | 25,00 | 0,39 |
| AT93103200 | 1"     | 25 | 68  | 88  | 71  | 19 | 113 | 151 | 36,50 | 40,00 | 27,00 | 0,56 |
| AT93104000 | 1 1/4" | 32 | 76  | 102 | 84  | 22 | 136 | 180 | 43,00 | 41,00 | 32,00 | 0,88 |
| AT93105000 | 1/2"   | 40 | 91  | 117 | 98  | 22 | 145 | 189 | 51,50 | 53,00 | 28,00 | 1,29 |
| AT93106300 | 2"     | 50 | 107 | 140 | 117 | 26 | 178 | 230 | 59,50 | 58,00 | 35,00 | 2,09 |

| Ref        | G      | DN | H   | B   | E   | L  | Z   | C   | H1    | A1    | A     | Kg   |
|------------|--------|----|-----|-----|-----|----|-----|-----|-------|-------|-------|------|
| AT93102000 | 1/2"   | 15 | 52  | 66  | 53  | 15 | 86  | 116 | 27,50 | 24,00 | 24,00 | 0,25 |
| AT93102500 | 3/4"   | 20 | 61  | 77  | 62  | 16 | 98  | 130 | 32,50 | 31,00 | 25,00 | 0,39 |
| AT93103200 | 1"     | 25 | 68  | 88  | 71  | 19 | 113 | 151 | 36,50 | 40,00 | 27,00 | 0,56 |
| AT93104000 | 1 1/4" | 32 | 76  | 102 | 84  | 22 | 136 | 180 | 43,00 | 41,00 | 32,00 | 0,88 |
| AT93105000 | 1/2"   | 40 | 91  | 117 | 98  | 22 | 145 | 189 | 51,50 | 53,00 | 28,00 | 1,29 |
| AT93106300 | 2"     | 50 | 107 | 140 | 117 | 26 | 178 | 230 | 59,50 | 58,00 | 35,00 | 2,09 |



#### DESCRIPTION

Robinet 1/4 de tour à bille en PVC gris pour tuyaux en PE, double anneaux à démontage radial, avec support réglable sur sphère ronde. Joints en EPDM ou FPM, sièges de la sphère en PE. Pression d'exercice PN16 à 20°C. Version disponible avec collets en PE 100 SDR 11 pour la connection bout a bout et electrofusion.

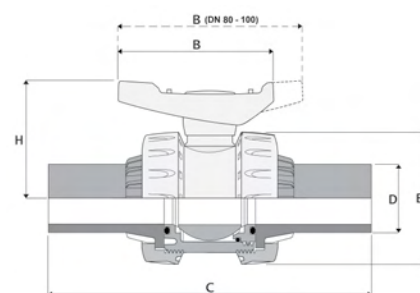
#### DESCRIPTION

Grey PVC ball valve for water supply systems in PE pipes, true union, with adjustable support. EPDM seals, PE ball seats.

Operating pressure PN16 at 20°C. Version available provided with PE 100 SDR 11 union ends, for butt welding and electrofusion.

| Pos. | Composants        | Components              | Matériel / Material |
|------|-------------------|-------------------------|---------------------|
| 1    | ecrou             | <i>nut</i>              | PVC-U               |
| 2    | collet            | <i>union end</i>        | PE 100              |
| 3    | corp              | <i>body</i>             | PVC-U               |
| 4    | sphère            | <i>ball</i>             | PVC-U               |
| 5    | support           | <i>support</i>          | PVC-U               |
| 6    | volant            | <i>handle</i>           | PVC-U               |
| 7    | tige              | <i>stem</i>             | PVC-U               |
| 8    | joint du collet   | <i>socket O-ring</i>    | EPDM                |
| 9    | siege             | <i>ball seat</i>        | PE                  |
| 10   | jointe de la tige | <i>stem O-ring</i>      | EPDM                |
| 11   | joint du corp     | <i>body O-ring</i>      | EPDM                |
| 12   | joint du siege    | <i>ball seat O-ring</i> | EPDM                |

| Ref        | D   | DN  | C   | E   | H   | B   | Kg   |
|------------|-----|-----|-----|-----|-----|-----|------|
| AT42602000 | 20  | 15  | 154 | 53  | 51  | 66  | 0,16 |
| AT42602500 | 25  | 20  | 186 | 62  | 59  | 77  | 0,23 |
| AT42603200 | 32  | 25  | 199 | 71  | 66  | 88  | 0,33 |
| AT42604000 | 40  | 32  | 217 | 84  | 77  | 102 | 0,53 |
| AT42605000 | 50  | 40  | 236 | 98  | 87  | 117 | 0,78 |
| AT42606300 | 63  | 50  | 268 | 117 | 105 | 140 | 1,33 |
| AT42609000 | 90  | 80  | 368 | 168 | 151 | 225 | 3,75 |
| AT42611000 | 110 | 100 | 404 | 210 | 178 | 280 | 6,30 |



# VANNE PAPILLON EN PVC POUR TRANSPORT DE L'EAU

## PVC BUTTERFLY VALVE FOR WATER SUPPLY SYSTEMS



### DESCRIPTION

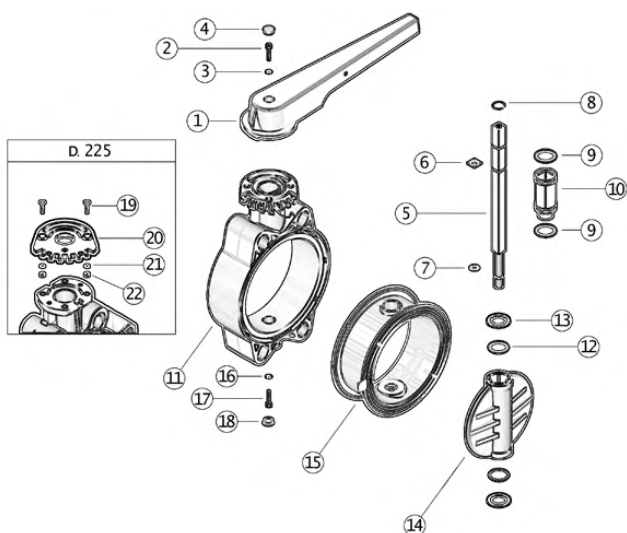
Vanne papillon en PVC gris pour le transport d'eau, à démontage radial. Joints en EPDM, bar de manoeuvre en acier zingué. Joint pour pose en accouplement avec collets et brides.

Dimension disponible de DN 40 à DN 200.

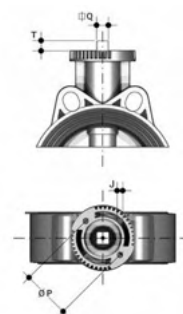
### DESCRIPTION

Grey PVC butterfly valve for water supply systems, true union. EPDM seals, galvanised steel stem.

Flange type coupling with collars and flanges. Range available from DN 40 up to DN 200.

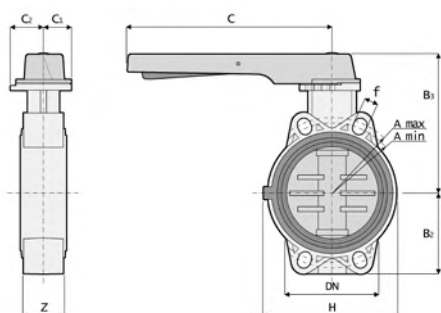


| D   | DN  | PN | J   | P     | T  | Q  |
|-----|-----|----|-----|-------|----|----|
| 50  | 40  | 16 | 7   | 50    | 12 | 11 |
| 63  | 50  | 16 | 7   | 50    | 12 | 11 |
| 75  | 65  | 10 | 7/9 | 50/70 | 12 | 11 |
| 90  | 80  | 10 | 9   | 70    | 16 | 14 |
| 110 | 100 | 10 | 9   | 70    | 16 | 14 |
| 140 | 125 | 10 | 9   | 70    | 19 | 17 |
| 160 | 150 | 10 | 9   | 70    | 19 | 17 |
| 225 | 200 | 10 | 11  | 102   | 24 | 22 |

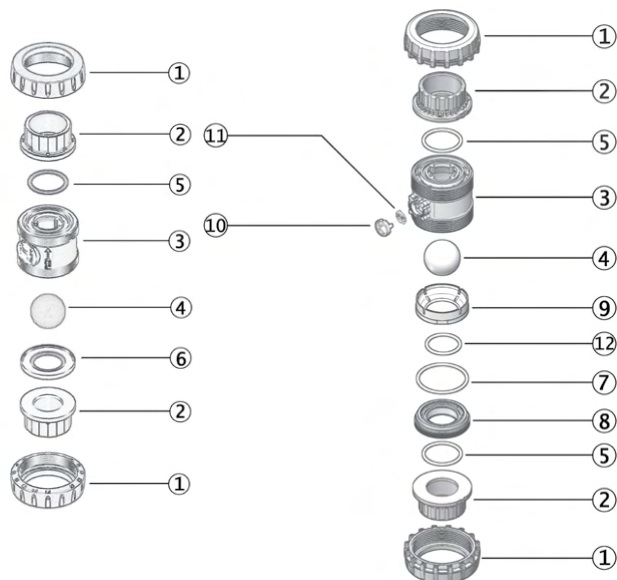


| Pos. | Composants            | Components     | Matériel / Material |
|------|-----------------------|----------------|---------------------|
| 1    | poignée               | handle         | PVC-U               |
| 2    | vis                   | screw          | stainless steel     |
| 3    | rondelle              | washer         | stainless steel     |
| 4    | chapeau de protection | protection cap | PE                  |
| 5    | tige                  | shaft          | zinc plated steel   |
| 6    | joint tige            | shaft gasket   | EPDM                |
| 7    | O-ring tige           | shaft O-ring   | EPDM                |
| 8    | bague seeger          | seeger ring    | stainless steel     |
| 9    | O-ring douille        | bush O-ring    | EPDM                |
| 10   | douille               | bush           | nylon               |
| 11   | corp                  | body           | PVC-U               |

| Pos. | Composants            | Components         | Matériel / Material |
|------|-----------------------|--------------------|---------------------|
| 12   | O-ring papillon       | disc O-ring        | EPDM                |
| 13   | bague anti-friction   | anti-friction ring | PTFE                |
| 14   | papillon              | disc               | PVC-U               |
| 15   | manchette             | gasket             | EPDM                |
| 16   | rondelle              | washer             | stainless steel     |
| 17   | vis                   | screw              | stainless steel     |
| 18   | chapeau de protection | protection cap     | PE                  |
| 19   | vis                   | screw              | stainless steel     |
| 20   | plateau               | pad                | PVC-U               |
| 21   | rondelle              | washer             | stainless steel     |
| 22   | écrou                 | nut                | stainless steel     |



| Ref         | D   | DN  | B2  | B3  | C   | C1 | C2 | H   | Z  | A min | A max | F  | Kg   | Trous / Holes |
|-------------|-----|-----|-----|-----|-----|----|----|-----|----|-------|-------|----|------|---------------|
| AT80050000W | 50  | 40  | 60  | 136 | 175 | 45 | 42 | 132 | 33 | 93    | 109   | 19 | 0,83 | 4             |
| AT80063000W | 63  | 50  | 70  | 143 | 175 | 45 | 42 | 147 | 43 | 108   | 124   | 19 | 1,01 | 4             |
| AT80075000W | 75  | 65  | 80  | 168 | 175 | 45 | 45 | 165 | 46 | 128   | 144   | 19 | 1,42 | 4             |
| AT80090000W | 90  | 80  | 90  | 182 | 250 | 45 | 45 | 130 | 49 | 145   | 159   | 19 | 1,64 | 4             |
| AT80011000W | 110 | 100 | 105 | 196 | 250 | 45 | 45 | 150 | 56 | 165   | 190   | 19 | 1,99 | 4             |
| AT80015000W | 140 | 125 | 121 | 215 | 335 | 45 | 45 | 185 | 64 | 204   | 215   | 23 | 3,03 | 4             |
| AT80017000W | 160 | 150 | 132 | 229 | 335 | 45 | 45 | 210 | 70 | 230   | 242   | 23 | 3,73 | 4             |
| AT80023000  | 225 | 200 | 161 | 309 | 425 | 65 | 82 | 325 | 71 | 280   | 298   | 23 | 8,24 | 8             |



DN10 - DN50

DN65 - DN100

### DESCRIPTION

Clapet anti-retour de pied en PVC gris, double anneaux, démontage radial, fonctionnement vertical ou horizontal, portant des indications sur le corps pour une installation correcte. Joints en EPDM. Pression d'exercice PN16 à 20°C jusqu'à DN 50, PN10 de DN 65 à DN 100. Versions disponibles pour collage femelle ISO métrique ( AT210) et BS standard ( AS210), filetage femelle BSP ( AT211). Sur demande, possibilité d'exécutions dans d'autres standards internationaux (ASTM, JIS, NPT).

### DESCRIPTION

Grey PVC ball foot valve, true union, vertical or horizontal operation, with reference marks on body to ensure correct installation. EPDM seals. Operating pressure PN16 at 20°C till DN 50, PN10 from DN 65 till DN 100. Versions available: ISO metric ( AT210) and BS standard ( AS210) plain solvent weld socket; BSP threaded socket ( AT211). Available to be manufactured in other international standards (ASTM, JIS, NPT) upon request.

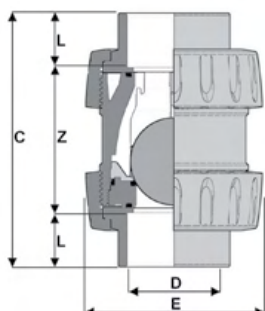
| Pos. | Composants               | Components               | Matériel / Material |
|------|--------------------------|--------------------------|---------------------|
| 1    | ecrou                    | nut                      | PVC-U               |
| 2    | collet                   | union end                | PVC-U               |
| 3    | corp                     | body                     | PVC-U               |
| 4    | sphère                   | ball                     | PVC-U               |
| 5    | joint du collet          | socket O-ring            | EPDM                |
| 6    | joint pour la sphère     | ball gasket              | EPDM                |
| 7    | joint du corps           | radial O-Ring            | EPDM                |
| 8    | support                  | support                  | PVC-U               |
| 9    | douille du poussée       | packing presser ring     | PVC-U               |
| 10   | bouchon transparent      | transparent service plug | PVC-U               |
| 11   | support pour l'étiquette | Tag holder               | PVC-U               |
| 12   | O-ring de la sphère      | ball O-ring              | EPDM                |

### Pression minimale pour assurer l'étanchéité / Minimum pressure for valve sealing

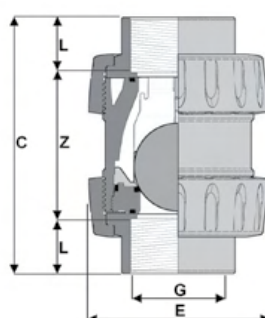
| DN  | 10  | 15  | 20  | 25  | 32  | 40  | 50  | 65  | 80  | 100 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Bar | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 |

# CLAPET ANTI-RETOUR DE PIED EN PVC

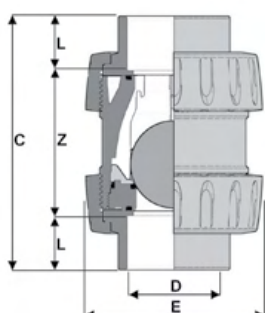
## PVC BALL FOOT VALVE



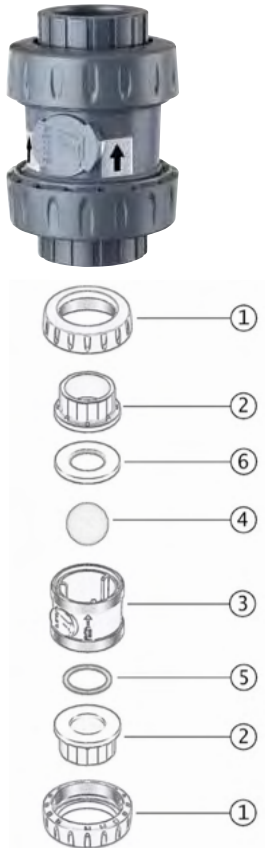
| Ref        | D   | DN  | L  | Z   | C   | E   | Kg   |
|------------|-----|-----|----|-----|-----|-----|------|
| AT21001600 | 16  | 10  | 14 | 54  | 82  | 53  | 0,10 |
| AT21002000 | 20  | 15  | 16 | 50  | 82  | 53  | 0,11 |
| AT21002500 | 25  | 20  | 19 | 53  | 91  | 62  | 0,15 |
| AT21003200 | 32  | 25  | 22 | 59  | 103 | 71  | 0,25 |
| AT21004000 | 40  | 32  | 26 | 68  | 120 | 84  | 0,37 |
| AT21005000 | 50  | 40  | 31 | 77  | 139 | 98  | 0,59 |
| AT21006300 | 63  | 50  | 38 | 98  | 174 | 117 | 0,99 |
| SXEIV075E  | 75  | 65  | 44 | 123 | 211 | 157 | 2,61 |
| SXEIV090E  | 90  | 80  | 51 | 146 | 248 | 174 | 3,30 |
| SXEIV110E  | 110 | 100 | 61 | 161 | 283 | 212 | 5,77 |



| Ref        | G      | DN  | L    | Z     | C   | E   | Kg   |
|------------|--------|-----|------|-------|-----|-----|------|
| AT21101600 | 3/8"   | 10  | 13   | 56    | 82  | 53  | 0,10 |
| AT21102000 | 1/2"   | 15  | 17   | 56    | 90  | 53  | 0,11 |
| AT21102500 | 3/4"   | 20  | 19   | 55    | 93  | 62  | 0,15 |
| AT21103200 | 1"     | 25  | 22   | 66    | 110 | 71  | 0,25 |
| AT21104000 | 1 1/4" | 32  | 24   | 79    | 127 | 84  | 0,37 |
| AT21105000 | 1 1/2" | 40  | 24   | 83    | 131 | 98  | 0,59 |
| AT21106300 | 2"     | 50  | 29   | 103   | 161 | 117 | 0,99 |
| SXEIV212E  | 2 1/2" | 65  | 30,2 | 150,6 | 211 | 157 | 2,61 |
| SXEIV300E  | 3"     | 80  | 33,3 | 181,4 | 248 | 174 | 3,30 |
| SXEIV400E  | 4"     | 100 | 39,3 | 204,4 | 283 | 212 | 5,77 |



| Ref        | D      | DN  | L  | Z   | C   | E   | Kg   |
|------------|--------|-----|----|-----|-----|-----|------|
| AS21001600 | 3/8"   | 10  | 15 | 52  | 82  | 53  | 0,10 |
| AS21002000 | 1/2"   | 15  | 17 | 48  | 82  | 53  | 0,11 |
| AS21002500 | 3/4"   | 20  | 19 | 53  | 91  | 62  | 0,15 |
| AS21003200 | 1"     | 25  | 22 | 59  | 103 | 71  | 0,25 |
| AS21004000 | 1 1/4" | 32  | 26 | 68  | 120 | 84  | 0,37 |
| AS21005000 | 1 1/2" | 40  | 31 | 77  | 139 | 98  | 0,59 |
| AS21006300 | 2"     | 50  | 38 | 98  | 174 | 117 | 0,99 |
| SXELV212E  | 2 1/2" | 65  | 44 | 123 | 211 | 157 | 2,61 |
| SXELV300E  | 3"     | 80  | 51 | 146 | 248 | 174 | 3,30 |
| SXELV400E  | 4"     | 100 | 61 | 157 | 283 | 212 | 5,77 |



#### DESCRIPTION

Vanne à bille en PVC gris pour évacuation d'air, double anneaux à démontage radial, fonctionnement vertical, portant des indications pour une installation correcte. Joints en EPDM. Pression d'exercice PN16 à 20°C.

Versions disponibles pour collage femelle ISO métrique ( AT220) et BS standard ( AS220), filetage femelle BSP ( AT221). Sur demande, possibilité d'exécutions dans d'autres standards internationaux (ASTM, JIS, NPT).

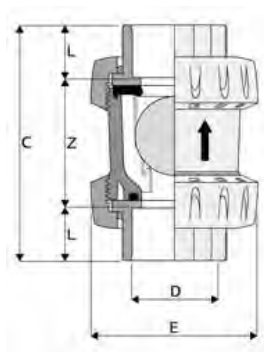
#### DESCRIPTION

Grey PVC air-release ball valve, true union, vertical operation, with reference marks on body to ensure correct installation. EPDM seals. Operating pressure PN16 to 20°C. Versions available: ISO metric ( AT220) and BS standard ( AS220) plain solvent weld socket; BSP threaded socket ( AT221). Available to be manufactured in other international standards (ASTM, JIS, NPT) upon request.

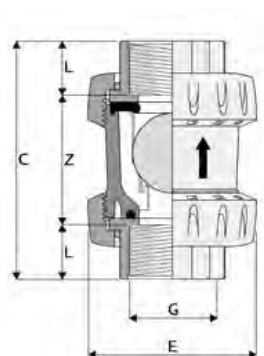
| Pos. | Composants           | Components    | Matériel / Material |
|------|----------------------|---------------|---------------------|
| 1    | ecrou                | nut           | PVC-U               |
| 2    | collet               | union end     | PVC-U               |
| 3    | corp                 | body          | PVC-U               |
| 4    | sphère               | ball          | PP                  |
| 5    | joint du collet      | socket O-ring | EPDM                |
| 6    | joint pour la sphère | ball gasket   | EPDM                |

# VANNE EN PVC POUR EVACUATION D'AIR

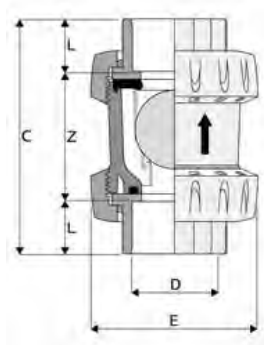
## PVC AIR-RELEASE BALL VALVE



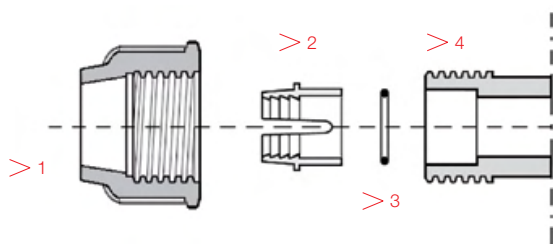
| Ref        | D  | DN | L  | Z  | C   | E   | Kg   |
|------------|----|----|----|----|-----|-----|------|
| AT22001600 | 16 | 10 | 14 | 54 | 82  | 53  | 0,10 |
| AT22002000 | 20 | 15 | 16 | 50 | 82  | 53  | 0,10 |
| AT22002500 | 25 | 20 | 19 | 53 | 91  | 62  | 0,14 |
| AT22003200 | 32 | 25 | 22 | 59 | 103 | 71  | 0,23 |
| AT22004000 | 40 | 32 | 26 | 68 | 120 | 84  | 0,35 |
| AT22005000 | 50 | 40 | 31 | 77 | 139 | 98  | 0,56 |
| AT22006300 | 63 | 50 | 38 | 98 | 174 | 117 | 0,95 |



| Ref        | G      | DN | L  | Z   | C   | E   | Kg   |
|------------|--------|----|----|-----|-----|-----|------|
| AT22101600 | 3/8"   | 10 | 13 | 56  | 82  | 53  | 0,10 |
| AT22102000 | 1/2"   | 15 | 17 | 56  | 90  | 53  | 0,10 |
| AT22102500 | 3/4"   | 20 | 19 | 55  | 93  | 62  | 0,14 |
| AT22103200 | 1"     | 25 | 22 | 66  | 110 | 71  | 0,23 |
| AT22104000 | 1 1/4" | 32 | 24 | 79  | 127 | 84  | 0,35 |
| AT22105000 | 1 1/2" | 40 | 24 | 83  | 131 | 98  | 0,56 |
| AT22106300 | 2"     | 50 | 29 | 103 | 161 | 117 | 0,95 |



| Ref        | D      | DN | L  | Z  | C   | E   | Kg   |
|------------|--------|----|----|----|-----|-----|------|
| AS22001600 | 3/8"   | 10 | 15 | 52 | 82  | 53  | 0,10 |
| AS22002000 | 1/2"   | 15 | 17 | 48 | 82  | 53  | 0,10 |
| AS22002500 | 3/4"   | 20 | 19 | 53 | 91  | 62  | 0,14 |
| AS22003200 | 1"     | 25 | 22 | 59 | 103 | 71  | 0,23 |
| AS22004000 | 1 1/4" | 32 | 26 | 68 | 120 | 84  | 0,35 |
| AS22005000 | 1 1/2" | 40 | 31 | 77 | 139 | 98  | 0,56 |
| AS22006300 | 2"     | 50 | 38 | 98 | 174 | 117 | 0,95 |



D 16 - D 63

| Pos. | Composants       | Components            |
|------|------------------|-----------------------|
| 1    | Ecrou            | <i>nut</i>            |
| 2    | Bague de serrage | <i>Clinching ring</i> |
| 3    | Joint            | <i>O-ring</i>         |
| 4    | Corps            | <i>Body</i>           |

#### DESCRIPTION

Les joints à compression en PP sont des raccords de liaison pour tuyaux en PE utilisés dans les systèmes de transport d'eau. Les joints peuvent être utilisés soit pour les circuits d'eau potable ou à rendre potable que pour les réseaux d'irrigation.

#### GAMME

La gamme des joints prévoit de nombreux produits aptes à satisfaire les exigences des installateurs. Les dimensions vont du D 16 mm au D 110 mm. Concernant les joints taraudés, à partir de R 1 1/4", il est prévu un renforcement métallique sur la partie extérieure des filets.

#### MATÉRIAUX

Le corps et la douille sont en polypropylène noir, la bague d'agrafage en résine acétal blanche, les joints de garniture en NBR, la bague de renforcement en acier inox AISI 430.

#### NORMES DE RÉFÉRENCE

Les joints à compression sont réalisés selon les normes UNI 9561, ISO 17885.

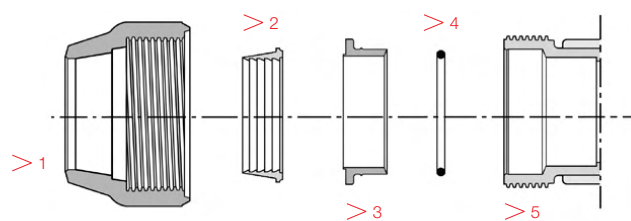
Ces joints peuvent être montés dans des tuyauteries PE conformes aux normes ISO 4427, UNI EN 12201.

Les versions filetées et taraudées sont réalisées conformément à la norme ISO 7-1.

#### PRESSIONS D'EXERCICE

A 20° C du D 16 mm au D 63 16 bars, du D 75 mm au D 110 mm 10 bars.

Les raccords à compression sont approuvés DVGW (DW-8616BQ0078).



D 75 - D 110

| Pos. | Composants       | Components            |
|------|------------------|-----------------------|
| 1    | Ecrou            | <i>nut</i>            |
| 2    | Bague de serrage | <i>Clinching ring</i> |
| 3    | Douille de butée | <i>Thrust bushing</i> |
| 4    | Joint            | <i>O-ring</i>         |
| 5    | Corps            | <i>Body</i>           |

#### DESCRIPTION

PP compression fittings are joints for PE pipes dedicated to water adduction systems.

They can be used both in irrigation field and drinking water systems.

#### RANGE

Joints range includes a large number of items apt to satisfy a very wide range of plant engineering installation requirements.

The joints range leaves from D 16 mm up to D 110 mm. The joints provided with threads have a metal reinforcement on the external part of the thread, leaving from R 1 1/4".

#### MATERIALS

Body and nut in polypropylene black co-polymer, clinching ring in white POM resin, O-ring in NBR, reinforcement ring in AISI 430.

#### REFERENCE STANDARDS

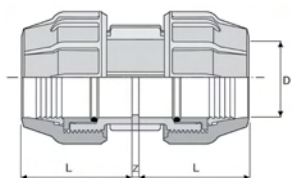
Compression fitting is manufactured in compliance with the requirements of standards UNI 9561, ISO 17885.

The joints can be installed on PE pipes which are in compliance with standards ISO 4427, UNI EN 12201. The threaded versions are manufactured in compliance with standard ISO 7-1.

#### PRESSURE RATING AT 20° C

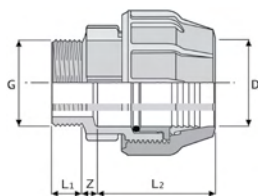
16 bar from D 16 mm up to D 63 mm, 10 bar from D 75 mm up to D 110 mm. compression fittings are approved by DVGW (DW-8616BQ0078).

### MANCHON / COUPLING



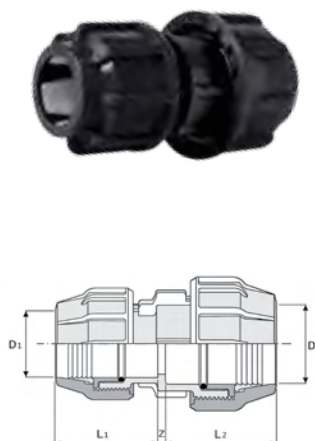
| Ref        | D         | L   | Z | Kg   |
|------------|-----------|-----|---|------|
| GG51016000 | 16 x 16   | 45  | 4 | 0,04 |
| GG51020000 | 20 x 20   | 50  | 4 | 0,07 |
| GG51025000 | 25 x 25   | 57  | 4 | 0,10 |
| GG51032000 | 32 x 32   | 64  | 4 | 0,14 |
| GG51040000 | 40 x 40   | 76  | 4 | 0,24 |
| GG51050000 | 50 x 50   | 88  | 4 | 0,37 |
| GG51063000 | 63 x 63   | 103 | 9 | 0,60 |
| GR51075000 | 75 x 75   | 118 | 4 | 0,91 |
| GR51090000 | 90 x 90   | 136 | 5 | 1,29 |
| GR51011000 | 110 x 110 | 151 | 4 | 1,97 |

### RACCORD MALE / MALE ADAPTOR



| Ref        | D x G       | L1 | L2  | Z     | Kg   |
|------------|-------------|----|-----|-------|------|
| GG51116A00 | 16 x 3/8"   | 18 | 45  | 16,00 | 0,02 |
| GG51116B00 | 16 x 1/2"   | 18 | 45  | 20,00 | 0,02 |
| GG51116C00 | 16 x 3/4"   | 20 | 45  | 20,00 | 0,03 |
| GG51120B00 | 20 x 1/2"   | 18 | 50  | 18,00 | 0,04 |
| GG51120C00 | 20 x 3/4"   | 20 | 50  | 19,00 | 0,04 |
| GG51125B00 | 25 x 1/2"   | 18 | 57  | 19,00 | 0,05 |
| GG51125C00 | 25 x 3/4"   | 20 | 57  | 20,00 | 0,05 |
| GG51125D00 | 25 x 1"     | 20 | 57  | 26,00 | 0,06 |
| GG51132C00 | 32 x 3/4"   | 20 | 64  | 23,00 | 0,08 |
| GG51132D00 | 32 x 1"     | 20 | 64  | 26,00 | 0,08 |
| GG51132E00 | 32 x 1 1/4" | 24 | 64  | 26,00 | 0,09 |
| GG51140D00 | 40 x 1"     | 20 | 76  | 26,00 | 0,14 |
| GG51140E00 | 40 x 1 1/4" | 24 | 76  | 29,00 | 0,14 |
| GG51140F00 | 40 x 1 1/2" | 24 | 76  | 29,00 | 0,14 |
| GG51150E00 | 50 x 1 1/4" | 24 | 88  | 29,00 | 0,21 |
| GG51150F00 | 50 x 1 1/2" | 24 | 88  | 29,00 | 0,21 |
| GG51150G00 | 50 x 2"     | 29 | 88  | 34,00 | 0,22 |
| GG51163F00 | 63 x 1 1/2" | 24 | 103 | 29,00 | 0,34 |
| GG51163G00 | 63 x 2"     | 29 | 103 | 34,00 | 0,35 |
| GG51163H00 | 63 x 2 1/2" | 32 | 103 | 39,00 | 0,36 |
| GR51175G00 | 75 x 2"     | 29 | 118 | 34,00 | 0,52 |
| GR51175H00 | 75 x 2 1/2" | 32 | 118 | 40,00 | 0,52 |
| GR51175I00 | 75 x 3"     | 38 | 118 | 43,00 | 0,53 |
| GR51190G00 | 90 x 2"     | 29 | 136 | 34,00 | 0,74 |
| GR51190H00 | 90 x 2 1/2" | 32 | 136 | 40,00 | 0,75 |
| GR51190I00 | 90 x 3"     | 38 | 136 | 43,00 | 0,75 |
| GR51190L00 | 90 x 4"     | 44 | 136 | 49,00 | 0,79 |
| GG51111G00 | 110 x 2"    | 27 | 150 | 34,00 | 1,04 |
| GR51111I00 | 110 x 3"    | 38 | 151 | 43,00 | 1,14 |
| GR51111L00 | 110 x 4"    | 44 | 151 | 49,00 | 1,16 |

**MANCHON REDUIT / *REDUCER COUPLING***

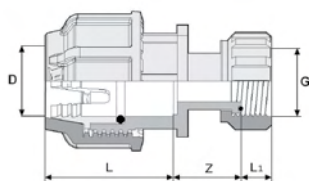


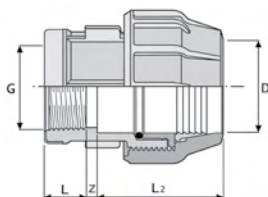
| Ref        | D x D1   | L1  | L2  | Z | Kg   |
|------------|----------|-----|-----|---|------|
| GG51220A00 | 20 x 16  | 41  | 50  | 4 | 0,05 |
| GG51225B00 | 25 x 20  | 50  | 57  | 4 | 0,08 |
| GG51232B00 | 32 x 20  | 50  | 58  | 4 | 0,11 |
| GG51232C00 | 32 x 25  | 53  | 58  | 4 | 0,12 |
| GG51240C00 | 40 x 25  | 57  | 76  | 4 | 0,18 |
| GG51240D00 | 40 x 32  | 64  | 76  | 4 | 0,19 |
| GG51250C00 | 50 x 25  | 57  | 88  | 4 | 0,26 |
| GG51250D00 | 50 x 32  | 64  | 88  | 4 | 0,28 |
| GG51250E00 | 50 x 40  | 76  | 88  | 4 | 0,32 |
| GG51263D00 | 63 x 32  | 64  | 103 | 4 | 0,40 |
| GG51263E00 | 63 x 40  | 76  | 103 | 4 | 0,45 |
| GG51263F00 | 63 x 50  | 88  | 103 | 4 | 0,49 |
| GR51275F00 | 75 x 50  | 88  | 118 | 4 | 0,66 |
| GR51275G00 | 75 x 63  | 103 | 118 | 4 | 0,76 |
| GR51290G00 | 90 x 63  | 103 | 136 | 4 | 0,98 |
| GR51290H00 | 90 x 75  | 118 | 136 | 4 | 1,12 |
| GG51211H00 | 110 x 75 | 118 | 151 | 4 | 1,50 |
| GR51211I00 | 110 x 90 | 136 | 151 | 4 | 1,68 |



**ADAPTATEUR AVEC ECROU / *ADAPTOR WITH NUT***

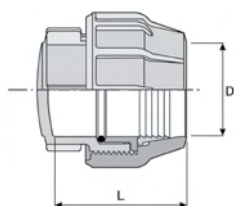
| Ref        | D x G   | L  | L1 | Z  | Kg   |
|------------|---------|----|----|----|------|
| GG52525D00 | 25 x 1" | 55 | 13 | 30 | 0,07 |
| GG52532D00 | 32 x 1" | 57 | 13 | 33 | 0,11 |





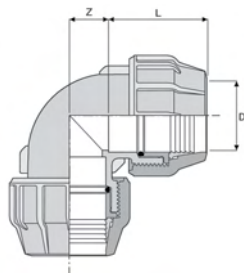
### RACCORD FEMELLE / FEMALE ADAPTOR

| Ref      | D x G       | L  | L2  | Z  | Kg   |
|----------|-------------|----|-----|----|------|
| GG60116A | 16 x 3/8"   | 19 | 45  | 4  | 0,03 |
| GG60116B | 16 x 1/2"   | 19 | 45  | 4  | 0,03 |
| GG60120B | 20 x 1/2"   | 19 | 50  | 5  | 0,04 |
| GG60120C | 20 x 3/4"   | 21 | 50  | 6  | 0,05 |
| GG60125B | 25 x 1/2"   | 19 | 57  | 3  | 0,05 |
| GG60125C | 25 x 3/4"   | 21 | 57  | 6  | 0,06 |
| GG60125D | 25 x 1"     | 21 | 57  | 8  | 0,07 |
| GG60132B | 32 x 1/2"   | 19 | 64  | 4  | 0,09 |
| GG60132C | 32 x 3/4"   | 21 | 64  | 4  | 0,09 |
| GG60132D | 32 x 1"     | 21 | 64  | 7  | 0,10 |
| GG60132E | 32 x 1 1/4" | 25 | 64  | 8  | 0,10 |
| GG60140D | 40 x 1"     | 21 | 76  | 4  | 0,15 |
| GG60140E | 40 x 1 1/4" | 25 | 76  | 4  | 0,16 |
| GG60140F | 40 x 1 1/2" | 25 | 76  | 6  | 0,17 |
| GG60150E | 50 x 1 1/4" | 25 | 88  | 4  | 0,23 |
| GG60150F | 50 x 1 1/2" | 25 | 88  | 6  | 0,23 |
| GG60150G | 50 x 2"     | 30 | 88  | 6  | 0,25 |
| GG60163F | 63 x 1 1/2" | 25 | 103 | 9  | 0,36 |
| GG60163G | 63 x 2"     | 30 | 103 | 3  | 0,37 |
| GR60175G | 75 x 2"     | 30 | 118 | 7  | 0,54 |
| GR60175H | 75 x 2 1/2" | 33 | 118 | 4  | 0,64 |
| GR60175I | 75 x 3"     | 39 | 118 | 6  | 0,58 |
| GR60190G | 90 x 2"     | 30 | 136 | 3  | 0,70 |
| GR60190H | 90 x 2 1/2" | 33 | 136 | 10 | 0,73 |
| GR60190I | 90 x 3"     | 39 | 136 | 10 | 0,93 |
| GG60111I | 110 x 3"    | 39 | 151 | 10 | 1,32 |
| GR60111L | 110 x 4"    | 45 | 151 | 10 | 1,39 |



### RACCORD FEMELLE / FEMALE ADAPTOR

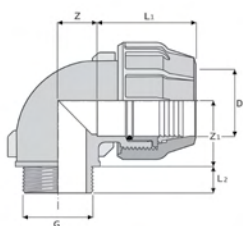
| Ref      | D x G | L   | Kg   |
|----------|-------|-----|------|
| GG521160 | 16    | 45  | 0,05 |
| GG521200 | 20    | 50  | 0,05 |
| GG521250 | 25    | 57  | 0,06 |
| GG521320 | 32    | 64  | 0,06 |
| GG521400 | 40    | 76  | 0,08 |
| GG521500 | 50    | 88  | 0,09 |
| GG521630 | 63    | 103 | 0,10 |
| GR521750 | 75    | 118 | 0,12 |
| GR521900 | 90    | 136 | 0,14 |
| GR521110 | 110   | 151 | 0,15 |



**COUDE / *ELBOW***

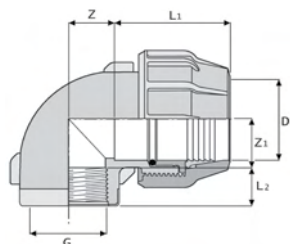
| Ref      | D x D     | L   | Z  | Kg   |
|----------|-----------|-----|----|------|
| GG513160 | 16 x 16   | 45  | 11 | 0,05 |
| GG513200 | 20 x 20   | 50  | 13 | 0,07 |
| GG513250 | 25 x 25   | 57  | 15 | 0,11 |
| GG513320 | 32 x 32   | 64  | 19 | 0,16 |
| GG513400 | 40 x 40   | 76  | 23 | 0,27 |
| GG513500 | 50 x 50   | 88  | 28 | 0,42 |
| GG513630 | 63 x 63   | 103 | 35 | 0,66 |
| GR513750 | 75 x 75   | 118 | 41 | 0,99 |
| GR513900 | 90 x 90   | 136 | 49 | 1,45 |
| GR513110 | 110 x 110 | 151 | 60 | 2,19 |

**COUDE MALE / *ELBOW MALE THREADED***



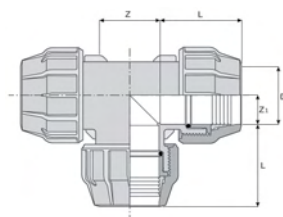
| Ref      | D x G       | L1  | L2 | Z  | Z1  | Kg   |
|----------|-------------|-----|----|----|-----|------|
| GG51916B | 16 x 1/2"   | 45  | 18 | 11 | 40  | 0,03 |
| GG51920B | 20 x 1/2"   | 50  | 18 | 13 | 46  | 0,05 |
| GG51920C | 20 x 3/4"   | 50  | 20 | 13 | 46  | 0,05 |
| GG51925B | 25 x 1/2"   | 57  | 20 | 15 | 52  | 0,08 |
| GG51925C | 25 x 3/4"   | 57  | 20 | 15 | 52  | 0,08 |
| GG51925D | 25 x 1"     | 57  | 20 | 15 | 52  | 0,08 |
| GG51932D | 32 x 1"     | 64  | 20 | 19 | 61  | 0,12 |
| GG51932E | 32 x 1 1/4" | 64  | 24 | 19 | 61  | 0,12 |
| GG51940E | 40 x 1 1/4" | 76  | 24 | 23 | 69  | 0,20 |
| GG51940F | 40 x 1 1/2" | 76  | 24 | 23 | 69  | 0,20 |
| GG51950F | 50 x 1 1/2" | 88  | 24 | 28 | 82  | 0,31 |
| GG51950G | 50 x 2"     | 88  | 29 | 28 | 82  | 0,31 |
| GG51963G | 63 x 2"     | 103 | 29 | 35 | 96  | 0,48 |
| GG51963H | 63 x 2 1/2" | 103 | 32 | 35 | 96  | 0,48 |
| GR51975H | 75 x 2 1/2" | 118 | 32 | 41 | 111 | 0,71 |
| GR51975I | 75 x 3"     | 118 | 38 | 41 | 111 | 0,71 |
| GR51990I | 90 x 3"     | 136 | 38 | 49 | 128 | 1,03 |
| GR51911L | 110 x 4"    | 153 | 44 | 58 | 143 | 1,55 |

### COUDE FEMELLE / ELBOW FEMALE THREADED



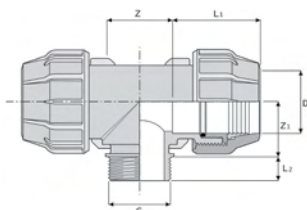
| Ref      | D x G       | L1  | L2 | Z  | Z1  | Kg   |
|----------|-------------|-----|----|----|-----|------|
| GG51816A | 16 x 3/8"   | 45  | 19 | 11 | 25  | 0,03 |
| GG51816B | 16 x 1/2"   | 45  | 19 | 11 | 28  | 0,03 |
| GG51820B | 20 x 1/2"   | 50  | 19 | 13 | 28  | 0,03 |
| GG51820C | 20 x 3/4"   | 57  | 20 | 13 | 28  | 0,03 |
| GG51825B | 25 x 1/2"   | 57  | 19 | 13 | 28  | 0,03 |
| GG51825C | 25 x 3/4"   | 57  | 21 | 15 | 31  | 0,03 |
| GG51825D | 25 x 1"     | 57  | 21 | 15 | 31  | 0,03 |
| GG51832B | 32 x 1/2"   | 64  | 19 | 19 | 40  | 0,04 |
| GG51832C | 32 x 3/4"   | 64  | 21 | 19 | 40  | 0,04 |
| GG51832D | 32 x 1"     | 64  | 21 | 19 | 40  | 0,04 |
| GG51832E | 32 x 1 1/4" | 64  | 25 | 19 | 40  | 0,04 |
| GG51840E | 40 x 1 1/4" | 76  | 25 | 23 | 44  | 0,04 |
| GG51840F | 40 x 1 1/2" | 76  | 25 | 23 | 51  | 0,05 |
| GG51850F | 50 x 1 1/2" | 88  | 25 | 28 | 55  | 0,06 |
| GG51850G | 50 x 2"     | 88  | 30 | 28 | 55  | 0,06 |
| GG51863G | 63 x 2"     | 103 | 30 | 35 | 63  | 0,06 |
| GG51863H | 63 x 2 1/2" | 103 | 33 | 35 | 78  | 0,08 |
| GR51875H | 75 x 2 1/2" | 118 | 33 | 41 | 73  | 0,07 |
| GR51875I | 75 x 3"     | 118 | 39 | 41 | 73  | 0,07 |
| GR51890I | 90 x 3"     | 136 | 39 | 49 | 87  | 0,09 |
| GR51811L | 110 x 4"    | 151 | 45 | 60 | 103 | 0,10 |

### TE / TEE



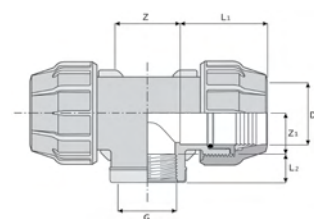
| Ref      | D x D x D       | L   | Z   | Z1 | Kg   |
|----------|-----------------|-----|-----|----|------|
| GG514160 | 16 x 16 x 16    | 45  | 22  | 11 | 0,07 |
| GG514200 | 20 x 20 x 20    | 50  | 26  | 13 | 0,10 |
| GG51420C | 20 x 25 x 20    | 53  | 26  | 13 | 0,12 |
| GG514250 | 25 x 25 x 25    | 57  | 30  | 15 | 0,15 |
| GG51425D | 25 x 32 x 25    | 54  | 30  | 15 | 0,19 |
| GG514320 | 32 x 32 x 32    | 64  | 38  | 19 | 0,24 |
| GG514400 | 40 x 40 x 40    | 76  | 46  | 23 | 0,39 |
| GG514500 | 50 x 50 x 50    | 88  | 56  | 28 | 0,60 |
| GG514630 | 63 x 63 x 63    | 103 | 70  | 35 | 0,94 |
| GR514750 | 75 x 75 x 75    | 118 | 82  | 41 | 1,43 |
| GR514900 | 90 x 90 x 90    | 136 | 98  | 49 | 2,11 |
| GR514110 | 110 x 110 x 110 | 151 | 120 | 60 | 3,19 |

**TE MALE / TEE MALE THREADED**

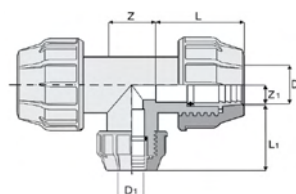


| Ref      | D x G x D        | L1  | L2 | Z      | Z1     | Kg   |
|----------|------------------|-----|----|--------|--------|------|
| GG51616B | 16 x 1/2" x 16   | 45  | 18 | 22,00  | 40,00  | 0,05 |
| GG51620B | 20 x 1/2" x 20   | 50  | 18 | 26,00  | 46,00  | 0,08 |
| GG51620C | 20 x 3/4" x 20   | 50  | 20 | 26,00  | 46,00  | 0,08 |
| GG51625C | 25 x 3/4" x 25   | 57  | 20 | 30,00  | 52,00  | 0,12 |
| GG51625D | 25 x 1" x 25     | 57  | 20 | 30,00  | 52,00  | 0,12 |
| GG51632D | 32 x 1" x 32     | 64  | 20 | 38,00  | 61,00  | 0,19 |
| GG51632E | 32 x 1 1/4" x 32 | 64  | 24 | 38,00  | 61,00  | 0,19 |
| GG51640E | 40 x 1 1/4" x 40 | 76  | 24 | 46,00  | 69,00  | 0,32 |
| GG51640F | 40 x 1 1/2" x 40 | 76  | 24 | 46,00  | 69,00  | 0,32 |
| GG51650F | 50 x 1 1/2" x 50 | 88  | 24 | 56,00  | 82,00  | 0,49 |
| GG51650G | 50 x 2" x 50     | 88  | 29 | 56,00  | 82,00  | 0,49 |
| GG51663G | 63 x 2" x 63     | 103 | 29 | 70,00  | 96,00  | 0,78 |
| GG51663H | 63 x 2 1/2" x 63 | 103 | 32 | 70,00  | 96,00  | 0,78 |
| GR51675H | 75 x 2 1/2" x 75 | 118 | 32 | 82,00  | 111,00 | 0,79 |
| GR51690I | 90 x 3" x 90     | 125 | 38 | 97,00  | 122,00 | 1,80 |
| GR51611L | 110 x 4" x 110   | 144 | 44 | 119,00 | 143,00 | 2,52 |

**TE FEMELLE / TEE FEMALE THREADED**

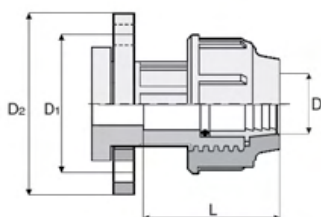


| Ref      | D x G x D        | L1  | L2 | Z      | Z1     | Kg   |
|----------|------------------|-----|----|--------|--------|------|
| GG51516A | 16 x 3/8" x 16   | 45  | 19 | 22,00  | 25,00  | 0,06 |
| GG51516B | 16 x 1/2" x 16   | 45  | 19 | 22,00  | 19,00  | 0,05 |
| GG51520B | 20 x 1/2" x 20   | 50  | 19 | 26,00  | 27,00  | 0,09 |
| GG51520C | 20 x 3/4" x 20   | 50  | 19 | 26,00  | 27,00  | 0,09 |
| GG51525B | 25 x 1/2" x 25   | 57  | 19 | 30,00  | 31,00  | 0,13 |
| GG51525C | 25 x 3/4" x 25   | 57  | 21 | 30,00  | 31,00  | 0,13 |
| GG51525D | 25 x 1" x 25     | 57  | 21 | 30,00  | 35,00  | 0,13 |
| GG51532B | 32 x 1/2" x 32   | 64  | 19 | 38,00  | 40,00  | 0,20 |
| GG51532C | 32 x 3/4" x 32   | 64  | 21 | 38,00  | 40,00  | 0,20 |
| GG51532D | 32 x 1" x 32     | 64  | 21 | 38,00  | 40,00  | 0,20 |
| GG51532E | 32 x 1 1/4" x 32 | 64  | 25 | 38,00  | 40,00  | 0,20 |
| GG51540D | 40 x 1" x 40     | 76  | 21 | 46,00  | 44,00  | 0,32 |
| GG51540E | 40 x 1 1/4" x 40 | 76  | 25 | 46,00  | 44,00  | 0,32 |
| GG51540F | 40 x 1 1/2" x 40 | 76  | 25 | 46,00  | 50,00  | 0,32 |
| GG51550F | 50 x 1 1/2" x 50 | 88  | 25 | 56,00  | 55,00  | 0,51 |
| GG51550G | 50 x 2" x 50     | 88  | 25 | 56,00  | 55,00  | 0,51 |
| GG51563G | 63 x 2" x 63     | 103 | 30 | 70,00  | 64,00  | 0,80 |
| GG51563H | 63 x 2 1/2" x 63 | 103 | 33 | 70,00  | 64,00  | 0,80 |
| GR51575H | 75 x 2 1/2" x 75 | 118 | 33 | 82,00  | 75,00  | 1,27 |
| GR51590I | 90 x 3" x 90     | 136 | 36 | 98,00  | 87,00  | 1,88 |
| GR51511L | 110 x 4" x 110   | 151 | 40 | 120,00 | 103,00 | 2,78 |



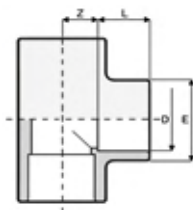
### TE REDUIT / *REDUCING TEE*

| Ref      | D x D1 x D   | L   | L1 | Z  | Z1 | Kg   |
|----------|--------------|-----|----|----|----|------|
| GG52325B | 25 x 20 x 25 | 52  | 47 | 30 | 14 | 0,13 |
| GG52332C | 32 x 25 x 32 | 58  | 51 | 32 | 19 | 0,21 |
| GG52340D | 40 x 32 x 40 | 83  | 75 | 40 | 17 | 0,34 |
| GG52350E | 50 x 40 x 50 | 100 | 90 | 44 | 23 | 0,58 |
| GG52363F | 63 x 50 x 63 | 95  | 85 | 66 | 33 | 0,95 |



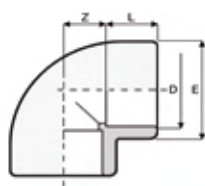
### JOINT A BRIDE / *FLANGE ADAPTOR*

| Ref      | D x DN      | L   | D1  | D2  | Trou / <i>Drill</i> | Kg   |
|----------|-------------|-----|-----|-----|---------------------|------|
| GG52050F | 50 x 1 1/2" | 86  | 110 | 150 | 4                   | 1,03 |
| GG52063G | 63 x 2"     | 98  | 125 | 163 | 4                   | 1,22 |
| GR52075H | 75 x 2 1/2" | 118 | 145 | 185 | 4                   | 1,84 |
| GR52075I | 75 x 3"     | 118 | 160 | 200 | 8                   | 2,52 |
| GR52090I | 90 x 3"     | 136 | 160 | 200 | 8                   | 2,21 |
| GR52090L | 90 x 4"     | 136 | 180 | 220 | 8                   | 3,19 |
| GR52011L | 110 x 4"    | 151 | 180 | 220 | 8                   | 2,64 |



**TE 90° / TEE 90°**

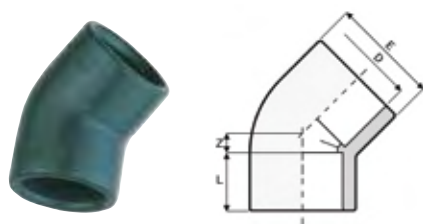
| Ref      | D   | L   | Z   | E   | Kg    |
|----------|-----|-----|-----|-----|-------|
| 1RTI1160 | 16  | 14  | 9   | 23  | 0,01  |
| 1RTI1200 | 20  | 16  | 11  | 27  | 0,02  |
| 1RTI1250 | 25  | 19  | 14  | 33  | 0,04  |
| 1RTI1320 | 32  | 22  | 18  | 40  | 0,07  |
| 1RTI1400 | 40  | 26  | 22  | 49  | 0,10  |
| 1RTI1500 | 50  | 31  | 26  | 61  | 0,16  |
| 1RTI1630 | 63  | 38  | 33  | 75  | 0,29  |
| 1RTI1750 | 75  | 44  | 39  | 89  | 0,51  |
| 1RTI1900 | 90  | 51  | 47  | 106 | 0,80  |
| 1RTI1110 | 110 | 61  | 61  | 131 | 1,59  |
| 1RTI1130 | 125 | 69  | 66  | 146 | 2,02  |
| 1RTI1150 | 140 | 76  | 72  | 163 | 2,74  |
| 1RTI1170 | 160 | 86  | 82  | 186 | 4,04  |
| TIV180   | 180 | 96  | 94  | 209 | 5,90  |
| 1RTI1210 | 200 | 106 | 102 | 230 | 6,96  |
| 1RTI1230 | 225 | 119 | 115 | 258 | 9,60  |
| 1RTI1260 | 250 | 131 | 128 | 286 | 13,25 |
| 1RTI1280 | 280 | 146 | 144 | 319 | 17,84 |
| 1RTI1330 | 315 | 164 | 162 | 360 | 25,30 |



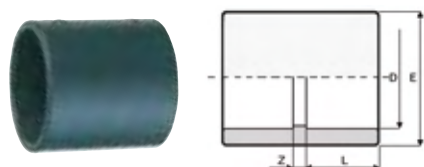
**COUDE 90° / ELBOW 90°**

| Ref      | D   | L   | Z   | E   | Kg    |
|----------|-----|-----|-----|-----|-------|
| 1RGO1160 | 16  | 14  | 9   | 23  | 0,01  |
| 1RGO1200 | 20  | 16  | 11  | 28  | 0,03  |
| 1RGO1250 | 25  | 19  | 14  | 34  | 0,04  |
| 1RGO1320 | 32  | 22  | 17  | 39  | 0,04  |
| 1RGO1400 | 40  | 26  | 21  | 51  | 0,10  |
| 1RGO1500 | 50  | 31  | 26  | 59  | 0,11  |
| 1RGO1630 | 63  | 38  | 33  | 75  | 0,20  |
| 1RGO1750 | 75  | 44  | 39  | 89  | 0,40  |
| 1RGO1900 | 90  | 51  | 47  | 106 | 0,60  |
| 1RGO1110 | 110 | 61  | 57  | 129 | 1,02  |
| 1RGO1130 | 125 | 69  | 66  | 146 | 1,39  |
| 1RGO1150 | 140 | 76  | 72  | 163 | 2,13  |
| 1RGO1170 | 160 | 86  | 82  | 186 | 2,92  |
| GIV180   | 180 | 96  | 94  | 215 | 5,20  |
| 1RGO1210 | 200 | 106 | 102 | 230 | 5,40  |
| 1RGO1230 | 225 | 119 | 115 | 258 | 7,55  |
| 1RGO1260 | 250 | 131 | 188 | 287 | 12,48 |
| 1RGO1280 | 280 | 147 | 210 | 325 | 17,00 |
| 1RGO1330 | 315 | 164 | 236 | 359 | 23,37 |

### COUDE 45° / *ELBOW 45°*

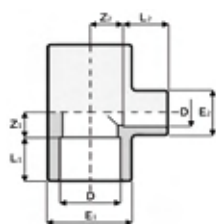


| Ref      | D   | L   | Z  | E   | Kg    |
|----------|-----|-----|----|-----|-------|
| HIV016   | 16  | 14  | 5  | 23  | 0,02  |
| 1RGY1200 | 20  | 16  | 5  | 28  | 0,02  |
| 1RGY1250 | 25  | 19  | 6  | 34  | 0,03  |
| 1RGY1320 | 32  | 22  | 8  | 42  | 0,05  |
| 1RGY1400 | 40  | 26  | 10 | 51  | 0,08  |
| 1RGY1500 | 50  | 31  | 12 | 61  | 0,12  |
| 1RGY1630 | 63  | 38  | 14 | 75  | 0,23  |
| 1RGY1750 | 75  | 44  | 17 | 89  | 0,30  |
| 1RGY1900 | 90  | 51  | 20 | 106 | 0,42  |
| 1RGY1110 | 110 | 61  | 24 | 129 | 0,84  |
| 1RGY1130 | 125 | 69  | 27 | 145 | 1,09  |
| 1RGY1150 | 140 | 76  | 31 | 163 | 1,62  |
| 1RGY1170 | 160 | 86  | 35 | 186 | 2,27  |
| 1RGY1210 | 200 | 108 | 48 | 230 | 4,50  |
| HIV225   | 225 | 121 | 55 | 260 | 6,40  |
| 1RGY1260 | 250 | 131 | 58 | 286 | 7,70  |
| 1RGY1280 | 280 | 146 | 62 | 320 | 10,46 |
| 1RGY1330 | 315 | 164 | 66 | 359 | 15,50 |



### MANCHON / *SOCKET*

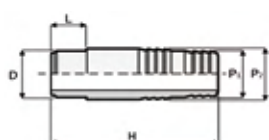
| Ref      | D   | L   | Z  | E   | Kg   |
|----------|-----|-----|----|-----|------|
| 1RMA1160 | 16  | 14  | 3  | 23  | 0,01 |
| 1RMA1200 | 20  | 16  | 3  | 28  | 0,02 |
| 1RMA1250 | 25  | 19  | 3  | 34  | 0,02 |
| 1RMA1320 | 32  | 22  | 3  | 42  | 0,03 |
| 1RMA1400 | 40  | 26  | 3  | 51  | 0,06 |
| 1RMA1500 | 50  | 31  | 3  | 58  | 0,06 |
| 1RMA1630 | 63  | 38  | 3  | 75  | 0,14 |
| 1RMA1750 | 75  | 44  | 4  | 89  | 0,22 |
| 1RMA1900 | 90  | 51  | 20 | 106 | 0,36 |
| 1RMA1110 | 110 | 61  | 5  | 129 | 0,59 |
| 1RMA1130 | 125 | 69  | 67 | 145 | 0,94 |
| 1RMA1150 | 140 | 76  | 8  | 162 | 1,23 |
| 1RMA1170 | 160 | 86  | 8  | 182 | 1,38 |
| 1RMA1210 | 200 | 106 | 12 | 231 | 3,81 |
| 1RMA1230 | 225 | 119 | 11 | 262 | 4,76 |
| 1RMA1260 | 250 | 131 | 10 | 286 | 5,76 |
| 1RMA1280 | 280 | 146 | 10 | 320 | 7,63 |
| 1RMA1330 | 315 | 164 | 12 | 355 | 9,78 |



**TE REDUIT / *REDUCING TEE***

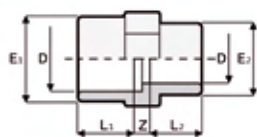
| Ref      | D x D     | L1 | L2 | Z1 | Z2 | E1  | E2  | Kg   |
|----------|-----------|----|----|----|----|-----|-----|------|
| 1RTR120A | 20 x 16   | 16 | 14 | 11 | 11 | 28  | 23  | 0,03 |
| 1RTR125A | 25 x 16   | 19 | 14 | 14 | 14 | 34  | 23  | 0,05 |
| 1RTR125B | 25 x 20   | 19 | 16 | 14 | 14 | 34  | 28  | 0,05 |
| 1RTR132A | 32 x 16   | 22 | 14 | 17 | 17 | 42  | 23  | 0,07 |
| 1RTR132B | 32 x 20   | 22 | 16 | 17 | 17 | 42  | 28  | 0,07 |
| 1RTR132C | 32 x 25   | 22 | 19 | 17 | 17 | 42  | 34  | 0,07 |
| 1RTR140A | 40 x 16   | 26 | 14 | 21 | 21 | 51  | 23  | 0,11 |
| 1RTR140B | 40 x 20   | 26 | 16 | 21 | 21 | 51  | 28  | 0,11 |
| 1RTR140C | 40 x 25   | 26 | 19 | 21 | 21 | 51  | 34  | 0,11 |
| 1RTR140D | 40 x 32   | 26 | 22 | 21 | 21 | 51  | 42  | 0,11 |
| 1RTR150B | 50 x 20   | 31 | 16 | 26 | 26 | 61  | 29  | 0,18 |
| 1RTR150C | 50 x 25   | 31 | 19 | 26 | 26 | 61  | 35  | 0,18 |
| 1RTR150D | 50 x 32   | 31 | 22 | 26 | 26 | 61  | 42  | 0,18 |
| 1RTR150E | 50 x 40   | 31 | 26 | 26 | 26 | 61  | 51  | 0,18 |
| 1RTR163B | 63 x 20   | 38 | 16 | 33 | 33 | 75  | 28  | 0,28 |
| 1RTR163C | 63 x 25   | 38 | 19 | 33 | 33 | 75  | 36  | 0,30 |
| 1RTR163D | 63 x 32   | 38 | 22 | 33 | 33 | 75  | 43  | 0,31 |
| 1RTR163E | 63 x 40   | 38 | 26 | 33 | 33 | 75  | 52  | 0,31 |
| 1RTR163F | 63 x 50   | 38 | 31 | 33 | 33 | 75  | 62  | 0,33 |
| 1RTR175D | 75 x 32   | 44 | 22 | 39 | 39 | 89  | 42  | 0,46 |
| 1RTR175E | 75 x 40   | 44 | 26 | 39 | 39 | 89  | 51  | 0,46 |
| 1RTR175F | 75 x 50   | 44 | 31 | 39 | 39 | 89  | 61  | 0,46 |
| 1RTR175G | 75 x 63   | 44 | 38 | 39 | 39 | 89  | 75  | 0,47 |
| 1RTR190E | 90 x 40   | 51 | 26 | 47 | 47 | 106 | 51  | 0,72 |
| 1RTR190F | 90 x 50   | 51 | 31 | 47 | 47 | 106 | 61  | 0,72 |
| 1RTR190G | 90 x 63   | 51 | 38 | 47 | 47 | 106 | 75  | 0,73 |
| 1RTR190H | 90 x 75   | 51 | 44 | 47 | 47 | 106 | 89  | 0,75 |
| 1RTR111F | 110 x 50  | 61 | 31 | 57 | 57 | 129 | 61  | 1,25 |
| 1RTR111G | 110 x 63  | 61 | 38 | 57 | 57 | 129 | 75  | 1,30 |
| 1RTR111H | 110 x 75  | 61 | 44 | 57 | 57 | 129 | 89  | 1,27 |
| 1RTR111I | 110 x 90  | 61 | 51 | 57 | 57 | 129 | 106 | 1,32 |
| 1RTR117L | 160 x 110 | 86 | 61 | 82 | 57 | 187 | 131 | 3,74 |

**DOUILLE / *HOSE ADAPTOR***

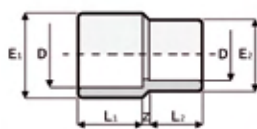


| Ref      | D x P2 x P1  | L  | H   | Kg   |
|----------|--------------|----|-----|------|
| 1RPO1160 | 16 x 18 x 16 | 14 | 60  | 0,01 |
| 1RPO1200 | 20 x 22 x 20 | 16 | 67  | 0,02 |
| 1RPO1250 | 25 x 27 x 25 | 19 | 81  | 0,03 |
| 1RPO1320 | 32 x 32 x 30 | 22 | 97  | 0,04 |
| 1RPO1400 | 40 x 42 x 40 | 26 | 104 | 0,08 |
| 1RPO1500 | 50 x 52 x 50 | 31 | 111 | 0,11 |
| 1RPO1630 | 63 x 64 x 60 | 38 | 123 | 0,17 |

### MANCHON REDUIT / *REDUCING SOCKET*

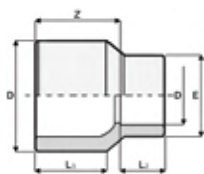


> Fig. A



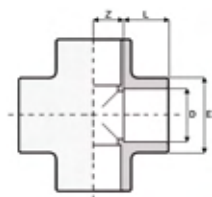
> Fig. B

| Ref      | D x D     | L1 | L2 | Z  | E1  | E2  | Fig. | Kg   |
|----------|-----------|----|----|----|-----|-----|------|------|
| 1RMR120A | 20 x 16   | 16 | 14 | 6  | 28  | 23  | B    | 0,01 |
| 1RMR125B | 25 x 20   | 19 | 16 | 6  | 34  | 28  | B    | 0,01 |
| 1RMR132C | 32 x 25   | 22 | 19 | 6  | 42  | 34  | B    | 0,04 |
| 1RMR140D | 40 x 32   | 26 | 22 | 6  | 51  | 42  | B    | 0,06 |
| 1RMR150E | 50 x 40   | 31 | 26 | 6  | 61  | 51  | B    | 0,08 |
| 1RMR163F | 63 x 50   | 38 | 31 | 6  | 75  | 61  | B    | 0,13 |
| 1RMR175G | 75 x 63   | 44 | 38 | 4  | 89  | 75  | A    | 0,21 |
| 1RMR190H | 90 x 75   | 51 | 44 | 5  | 106 | 89  | A    | 0,37 |
| 1RMR111I | 110 x 90  | 61 | 51 | 6  | 129 | 106 | A    | 0,53 |
| 1RMR113L | 125 x 110 | 69 | 61 | 24 | 145 | 129 | B    | 0,81 |
| 1RMR115L | 140 x 110 | 76 | 61 | 25 | 160 | 129 | B    | 1,17 |



### DOUILLE MALE x FEMELLE / *REDUCING SOCKET MALE x FEMALE*

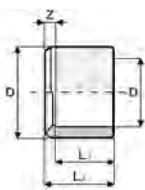
| Ref       | D x D     | L1 | L2 | Z   | E   | Kg   |
|-----------|-----------|----|----|-----|-----|------|
| RIV160110 | 160 x 110 | 86 | 61 | 125 | 137 | 1,27 |



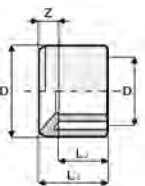
### CROIX / *CROSS*

| Ref    | D x D | L1 | L2 | Z  | Kg   |
|--------|-------|----|----|----|------|
| XIV025 | 25    | 19 | 14 | 35 | 0,06 |
| XIV032 | 32    | 22 | 18 | 43 | 0,11 |
| XIV040 | 40    | 26 | 23 | 52 | 0,18 |
| XIV050 | 50    | 31 | 27 | 64 | 0,27 |
| XIV063 | 63    | 38 | 34 | 79 | 0,51 |

REDUCTEUR SIMPLE / *REDUCING BUSH*



> Fig. A



> Fig. B

| Ref       | D x D     | L1  | L2  | Z  | Fig. | Kg   |
|-----------|-----------|-----|-----|----|------|------|
| DIV020016 | 20 x 16   | 16  | 14  | 2  | A    | 0,01 |
| 1RRC125A  | 25 x 16   | 19  | 14  | 5  | B    | 0,01 |
| 1RRC125B  | 25 x 20   | 19  | 16  | 3  | A    | 0,01 |
| 1RRC132A  | 32 x 16   | 22  | 14  | 8  | B    | 0,02 |
| 1RRC132B  | 32 x 20   | 22  | 16  | 6  | B    | 0,02 |
| 1RRC132C  | 32 x 25   | 22  | 19  | 3  | A    | 0,01 |
| 1RRC140B  | 40 x 20   | 26  | 16  | 10 | B    | 0,03 |
| 1RRC140C  | 40 x 25   | 26  | 19  | 7  | B    | 0,03 |
| 1RRC140D  | 40 x 32   | 26  | 22  | 4  | A    | 0,02 |
| 1RRC150B  | 50 x 20   | 31  | 16  | 15 | B    | 0,05 |
| 1RRC150C  | 50 x 25   | 31  | 19  | 12 | B    | 0,05 |
| 1RRC150D  | 50 x 32   | 31  | 22  | 9  | B    | 0,04 |
| 1RRC150E  | 50 x 40   | 31  | 26  | 5  | A    | 0,03 |
| 1RRC163D  | 63 x 32   | 38  | 22  | 16 | B    | 0,08 |
| 1RRC163E  | 63 x 40   | 38  | 26  | 12 | B    | 0,08 |
| 1RRC163F  | 63 x 50   | 38  | 31  | 7  | A    | 0,07 |
| 1RRC175E  | 75 x 40   | 44  | 26  | 18 | B    | 0,12 |
| 1RRC175F  | 75 x 50   | 44  | 31  | 13 | B    | 0,12 |
| 1RRC175G  | 75 x 63   | 44  | 38  | 6  | A    | 0,09 |
| 1RRC190F  | 90 x 50   | 51  | 31  | 20 | B    | 0,22 |
| 1RRC190G  | 90 x 63   | 51  | 38  | 13 | B    | 0,21 |
| 1RRC190H  | 90 x 75   | 51  | 44  | 7  | A    | 0,15 |
| 1RRC111G  | 110 x 63  | 61  | 38  | 23 | B    | 0,38 |
| 1RRC111H  | 110 x 75  | 61  | 44  | 17 | B    | 0,38 |
| 1RRC111I  | 110 x 90  | 61  | 51  | 9  | A    | 0,28 |
| 1RRC113H  | 125 x 75  | 69  | 44  | 25 | B    | 0,44 |
| 1RRC113I  | 125 x 90  | 69  | 51  | 18 | B    | 0,46 |
| 1RRC113L  | 125 x 110 | 69  | 61  | 8  | A    | 0,30 |
| 1RRC115I  | 140 x 90  | 76  | 51  | 25 | B    | 0,32 |
| 1RRC115L  | 140 x 110 | 76  | 61  | 15 | B    | 0,46 |
| 1RRC115M  | 140 x 125 | 76  | 69  | 7  | B    | 0,33 |
| 1RRC117I  | 160 x 90  | 86  | 51  | 35 | B    | 1,04 |
| 1RRC117L  | 160 x 110 | 86  | 61  | 25 | A    | 0,80 |
| 1RRC117M  | 160 x 125 | 86  | 69  | 17 | B    | 0,72 |
| 1RRC117N  | 160 x 140 | 86  | 76  | 10 | B    | 0,71 |
| 1RRC121O  | 200 x 160 | 106 | 86  | 20 | B    | 1,31 |
| 1RRC123O  | 225 x 160 | 119 | 86  | 33 | B    | 1,84 |
| 1RRC123P  | 225 x 200 | 119 | 106 | 13 | A    | 1,20 |
| 1RRC126O  | 250 x 160 | 132 | 86  | 45 | B    | 3,10 |
| DIV250200 | 250 x 200 | 132 | 106 | 25 | A    | 3,50 |
| 1RRC126Q  | 250 x 225 | 132 | 119 | 12 | A    | 2,10 |
| 1RRC128Q  | 280 x 225 | 147 | 119 | 27 | B    | 4,30 |
| 1RRC133P  | 315 x 200 | 165 | 106 | 58 | B    | 4,59 |
| 1RRC133Q  | 315 x 225 | 165 | 119 | 45 | B    | 5,08 |
| 1RRC133R  | 315 x 250 | 165 | 131 | 33 | B    | 8,10 |
| 1RRC133S  | 315 x 280 | 165 | 146 | 18 | A    | 8,65 |

## BOUCHON / CAP

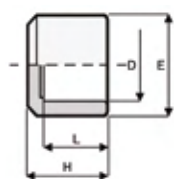


Fig. A

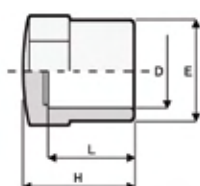
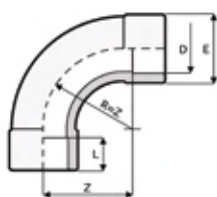


Fig. B

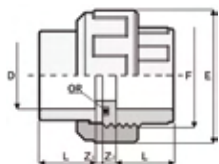
| Ref        | D   | L   | H   | E   | Fig. | Kg   |
|------------|-----|-----|-----|-----|------|------|
| 1RCA116000 | 16  | 14  | 22  | 23  | B    | 0,05 |
| 1RCA120000 | 20  | 16  | 24  | 28  | A    | 0,05 |
| 1RCA125000 | 25  | 19  | 27  | 34  | A    | 0,05 |
| 1RCA132000 | 32  | 22  | 30  | 42  | A    | 0,03 |
| 1RCA140000 | 40  | 26  | 35  | 51  | A    | 0,05 |
| 1RCA150000 | 50  | 31  | 40  | 61  | A    | 0,07 |
| 1RCA163000 | 63  | 38  | 48  | 75  | A    | 0,12 |
| 1RCA175000 | 75  | 44  | 59  | 89  | B    | 0,23 |
| 1RCA190000 | 90  | 51  | 67  | 106 | B    | 0,35 |
| 1RCA111000 | 110 | 61  | 77  | 129 | B    | 0,53 |
| 1RCA113000 | 125 | 69  | 98  | 145 | A    | 0,66 |
| 1RCA115000 | 140 | 76  | 108 | 162 | A    | 0,86 |
| 1RCA117000 | 160 | 86  | 123 | 182 | A    | 1,08 |
| CIV225     | 225 | 119 | 163 | 260 | A    | 3,00 |

## COURBE 90° / BEND 90°



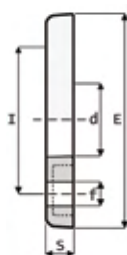
| Ref        | D   | L  | Z   | E   | Kg   |
|------------|-----|----|-----|-----|------|
| 1RCU120000 | 20  | 16 | 40  | 27  | 0,04 |
| 1RCU125000 | 25  | 19 | 50  | 33  | 0,06 |
| 1RCU132000 | 32  | 22 | 65  | 41  | 0,10 |
| 1RCU140000 | 40  | 26 | 80  | 50  | 0,17 |
| 1RCU150000 | 50  | 31 | 100 | 61  | 0,31 |
| 1RCU163000 | 63  | 38 | 126 | 77  | 0,51 |
| 1RCU175000 | 75  | 44 | 150 | 94  | 1,00 |
| 1RCU190000 | 90  | 51 | 180 | 113 | 1,77 |
| 1RCU111000 | 110 | 61 | 220 | 137 | 2,81 |
| SIV160     | 160 | 86 | 207 | 189 | 5,02 |

## UNION AVEC O-RING / UNION WITH O-RING



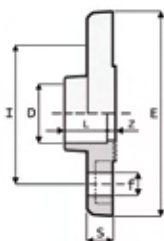
| Ref         | D   | L  | Z1 | Z2 | F      | E   | O-R  | Pn | Kg   |
|-------------|-----|----|----|----|--------|-----|------|----|------|
| 1RBO116000  | 16  | 11 | 3  | 10 | 3/4"   | 31  | 3062 | 16 | 0,03 |
| 1RBO120000  | 20  | 16 | 3  | 10 | 1"     | 42  | 4081 | 16 | 0,04 |
| 1RBO125000  | 25  | 19 | 3  | 10 | 1 1/4" | 52  | 4112 | 16 | 0,07 |
| 1RBO132000  | 32  | 22 | 3  | 10 | 1 1/2" | 59  | 4131 | 16 | 0,10 |
| 1RBO140000  | 40  | 26 | 3  | 12 | 2"     | 72  | 6162 | 16 | 0,16 |
| 1RBO150000  | 50  | 31 | 3  | 14 | 2 1/4" | 79  | 6187 | 16 | 0,22 |
| 1RBO163000  | 63  | 38 | 3  | 18 | 2 3/4" | 96  | 6237 | 16 | 0,37 |
| 1RBO175000L | 75  | 44 | 3  | 18 | 3 1/2" | 120 | 6300 | 10 | 0,59 |
| 1RBO190000L | 90  | 51 | 5  | 18 | 4"     | 135 | 6362 | 10 | 0,77 |
| 1RBO111000L | 110 | 61 | 5  | 18 | 5"     | 163 | 6450 | 10 | 1,30 |

BRIDE LIBRE / LOOSE FLANGE



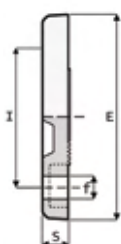
| Ref      | D   | DN  | d   | E   | S  | I   | f  | Trou<br>Drill | Boulon<br>Bolts | Kg        |
|----------|-----|-----|-----|-----|----|-----|----|---------------|-----------------|-----------|
| 1RFL1200 | 20  | 15  | 28  | 96  | 11 | 65  | 14 | 4             | M12x70          | 0,07      |
| 1RFL1250 | 25  | 20  | 34  | 107 | 12 | 75  | 14 | 4             | M12x70          | 0,09      |
| 1RFL1320 | 32  | 25  | 42  | 117 | 14 | 85  | 14 | 4             | M12x70          | 0,12      |
| 1RFL1400 | 40  | 32  | 51  | 143 | 15 | 100 | 18 | 4             | M16x85          | 0,19      |
| 1RFL1500 | 50  | 40  | 62  | 153 | 16 | 110 | 18 | 4             | M16x85          | 0,23      |
| 1RFL1630 | 63  | 50  | 78  | 165 | 18 | 125 | 18 | 4             | M16x85          | 0,30      |
| 1RFL1750 | 75  | 65  | 92  | 188 | 19 | 145 | 18 | 4             | M16x95          | 0,39      |
| 1RFL1900 | 90  | 80  | 110 | 203 | 20 | 160 | 18 | 8             | M16x100         | 0,46      |
| 1RFL1110 | 110 | 100 | 132 | 222 | 22 | 180 | 18 | 8             | M16x100         | 0,52      |
| 1RFL1125 | 125 | 125 | 149 | 250 | 26 | 210 | 18 | 8             | M16x100         | 0,95      |
| 1RFL1150 | 140 | 125 | 167 | 250 | 26 | 210 | 18 | 8             | M16x110         | 0,81      |
| 1RFL1170 | 160 | 150 | 190 | 285 | 28 | 240 | 22 | 8             | M20x120         | 1,29      |
| 1RFL1210 | 200 | 200 | 235 | 341 | 30 | 295 | 22 | 8/12          | M20x120         | 2,05/1,93 |
| 1RFL1230 | 225 | 200 | 253 | 341 | 30 | 295 | 22 | 8/12          | M20x140         | 1,95/1,25 |
| 1RFL1260 | 250 | 250 | 281 | 395 | 33 | 350 | 22 | 12            | M40x140         | 2,78      |
| 1RFL1280 | 280 | 250 | 309 | 396 | 35 | 350 | 22 | 12            | M20x160         | 1,88      |
| 1RFL1330 | 315 | 300 | 349 | 465 | 40 | 400 | 22 | 12            | M20x180         | 3,05      |

BRIDE LIBRE / LOOSE FLANGE



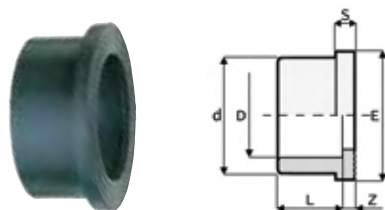
| Ref      | D   | DN  | L  | Z | E   | I   | f  | S  | Trou<br>Drill | Boulon<br>Bolts | Kg   |
|----------|-----|-----|----|---|-----|-----|----|----|---------------|-----------------|------|
| 1RFF1200 | 20  | 15  | 16 | 4 | 95  | 65  | 14 | 11 | 4             | M12x55          | 0,07 |
| FDV025   | 25  | 20  | 19 | 4 | 105 | 75  | 14 | 12 | 4             | M12x60          | 0,09 |
| FDV032   | 32  | 25  | 22 | 4 | 115 | 85  | 14 | 14 | 4             | M12x60          | 0,14 |
| FDV040   | 40  | 32  | 26 | 4 | 140 | 100 | 18 | 15 | 4             | M16x70          | 0,24 |
| 1RFF1500 | 50  | 40  | 31 | 5 | 150 | 110 | 18 | 16 | 4             | M16x75          | 0,28 |
| 1RFF1630 | 63  | 50  | 38 | 5 | 165 | 125 | 18 | 18 | 4             | M16x80          | 0,40 |
| FDV075   | 75  | 65  | 44 | 6 | 185 | 145 | 18 | 19 | 8             | M16x90          | 0,56 |
| FDV090   | 90  | 80  | 51 | 7 | 200 | 160 | 18 | 20 | 8             | M16x90          | 0,78 |
| FDV110   | 110 | 100 | 61 | 8 | 220 | 180 | 18 | 22 | 8             | M16x100         | 1,07 |

BRIDE PLEINE / BLANK FLANGE



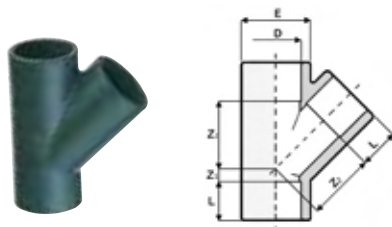
| Ref      | D   | DN  | E   | S  | I   | f  | Trou<br>Drill | Boulon<br>Bolts | Kg   |
|----------|-----|-----|-----|----|-----|----|---------------|-----------------|------|
| 1RFC1200 | 20  | 15  | 95  | 11 | 64  | 14 | 4             | M12x55          | 0,10 |
| FCV025   | 25  | 20  | 105 | 12 | 76  | 14 | 4             | M12x60          | 0,11 |
| FCV032   | 32  | 25  | 115 | 14 | 86  | 14 | 4             | M12x60          | 0,21 |
| FCV040   | 40  | 32  | 141 | 15 | 100 | 18 | 4             | M16x70          | 0,30 |
| FCV050   | 50  | 40  | 150 | 16 | 111 | 18 | 4             | M16x75          | 0,33 |
| FCV063   | 63  | 50  | 165 | 18 | 126 | 18 | 4             | M16x80          | 0,36 |
| FCV075   | 75  | 65  | 185 | 19 | 145 | 18 | 4             | M16x90          | 0,44 |
| FCV090   | 90  | 80  | 200 | 20 | 160 | 18 | 8             | M16x90          | 0,57 |
| FCV110   | 110 | 100 | 220 | 22 | 180 | 18 | 8             | M16x100         | 0,77 |

### COLLET / STUB



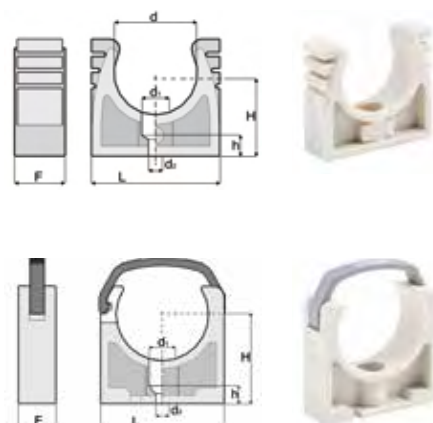
| Ref      | D   | L   | Z  | d   | S  | E   | Kg   |
|----------|-----|-----|----|-----|----|-----|------|
| 1RQR1200 | 20  | 16  | 3  | 27  | 6  | 34  | 0,01 |
| 1RQR1250 | 25  | 19  | 3  | 33  | 7  | 41  | 0,02 |
| 1RQR1320 | 32  | 22  | 3  | 41  | 7  | 50  | 0,03 |
| 1RQR1400 | 40  | 26  | 3  | 50  | 8  | 61  | 0,04 |
| 1RQR1500 | 50  | 31  | 4  | 61  | 8  | 73  | 0,06 |
| 1RQR1630 | 63  | 38  | 4  | 76  | 9  | 90  | 0,11 |
| 1RQR1750 | 75  | 44  | 3  | 90  | 10 | 106 | 0,17 |
| 1RQR1900 | 90  | 51  | 5  | 108 | 11 | 125 | 0,27 |
| 1RQR1110 | 110 | 61  | 5  | 131 | 12 | 150 | 0,44 |
| 1RQR1130 | 125 | 69  | 5  | 147 | 15 | 168 | 0,60 |
| 1RQR1150 | 140 | 76  | 5  | 165 | 14 | 188 | 0,82 |
| 1RQR1170 | 160 | 86  | 4  | 188 | 16 | 212 | 1,11 |
| 1RQR1210 | 200 | 106 | 10 | 233 | 20 | 254 | 2,01 |
| 1RQR1230 | 225 | 119 | 8  | 248 | 26 | 274 | 1,93 |
| 1RQR1260 | 250 | 131 | 11 | 274 | 21 | 308 | 2,43 |
| 1RQR1280 | 280 | 147 | 15 | 307 | 32 | 327 | 3,65 |
| 1RQR1330 | 315 | 165 | 13 | 346 | 32 | 375 | 4,79 |

### TE 45° / TEE 45°



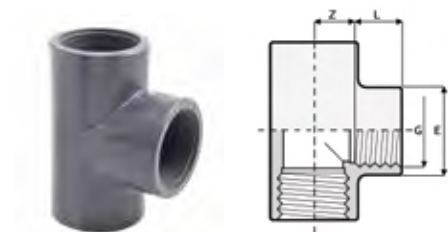
| Ref      | D  | L  | Z1 | Z2 | E  | Kg   |
|----------|----|----|----|----|----|------|
| 1RTY1200 | 20 | 16 | 7  | 30 | 27 | 0,04 |
| 1RTY1250 | 25 | 19 | 7  | 35 | 33 | 0,06 |
| 1RTY1320 | 32 | 22 | 9  | 44 | 41 | 0,11 |
| 1RTY1400 | 40 | 26 | 11 | 55 | 50 | 0,19 |
| 1RTY1500 | 50 | 31 | 12 | 68 | 63 | 0,33 |
| 1RTY1630 | 63 | 38 | 15 | 85 | 78 | 0,58 |

### SUPPORT DE TUYAUX EN PP / PIPE CLIP IN PP



| Ref      | D   | H  | L   | d2 | d1 | h  | f  | Fig. | Kg   |
|----------|-----|----|-----|----|----|----|----|------|------|
| 1RST1160 | 16  | 23 | 28  | 6  | 11 | 8  | 16 | A    | 0,01 |
| 1RST1200 | 20  | 25 | 33  | 6  | 11 | 8  | 16 | A    | 0,01 |
| 1RST1250 | 25  | 28 | 38  | 6  | 11 | 8  | 16 | A    | 0,01 |
| 1RST1320 | 32  | 31 | 48  | 6  | 11 | 8  | 16 | A    | 0,01 |
| 1RST1400 | 40  | 42 | 54  | 6  | 11 | 8  | 20 | B    | 0,02 |
| 1RST1500 | 50  | 47 | 65  | 7  | 14 | 9  | 23 | B    | 0,03 |
| 1RST1630 | 63  | 56 | 80  | 7  | 14 | 9  | 25 | B    | 0,04 |
| 1RST1750 | 75  | 64 | 94  | 9  | 17 | 11 | 28 | B    | 0,06 |
| 1RST1900 | 90  | 72 | 115 | 9  | 17 | 14 | 30 | B    | 0,09 |
| 1RST1110 | 110 | 84 | 139 | 9  | 17 | 14 | 30 | B    | 0,10 |

**TE 90° FEMELLE / 90° TEE FEMALE THREADED**



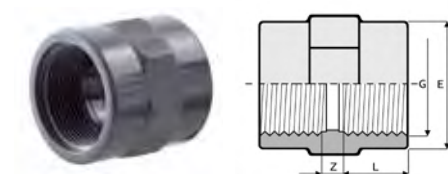
| Ref      | G      | L  | Z  | E   | Kg   |
|----------|--------|----|----|-----|------|
| 1RTI2160 | 3/8"   | 11 | 12 | 23  | 0,04 |
| 1RTI2200 | 1/2"   | 15 | 13 | 28  | 0,03 |
| 1RTI2250 | 3/4"   | 16 | 17 | 35  | 0,06 |
| 1RTI2320 | 1"     | 19 | 20 | 43  | 0,08 |
| 1RTI2400 | 1 1/4" | 21 | 26 | 51  | 0,13 |
| 1RTI2500 | 1 1/2" | 21 | 36 | 61  | 0,26 |
| 1RTI2630 | 2"     | 26 | 45 | 75  | 0,45 |
| 1RTI2750 | 2 1/2" | 30 | 53 | 89  | 0,60 |
| 1RTI2900 | 3"     | 33 | 65 | 106 | 1,04 |
| 1RTI2110 | 4"     | 39 | 79 | 129 | 1,42 |

**COUDE 90° FEMELLE / ELBOW 90° FEMALE THREADED**



| Ref      | D      | H  | L  | d2  | Kg   |
|----------|--------|----|----|-----|------|
| Ref      | G      | L  | Z  | E   | Kg   |
| 1RGO2160 | 3/8"   | 11 | 12 | 23  | 0,03 |
| 1RGO2200 | 1/2"   | 15 | 13 | 28  | 0,03 |
| 1RGO2250 | 3/4"   | 16 | 17 | 35  | 0,04 |
| 1RGO2320 | 1"     | 19 | 20 | 43  | 0,07 |
| 1RGO2400 | 1 1/4" | 21 | 26 | 51  | 0,10 |
| 1RGO2500 | 1 1/2" | 21 | 36 | 61  | 0,19 |
| 1RGO2630 | 2"     | 26 | 45 | 76  | 0,34 |
| 1RGO2750 | 2 1/2" | 30 | 53 | 89  | 0,46 |
| 1RGO2900 | 3"     | 33 | 65 | 106 | 0,55 |
| 1RGO2110 | 4"     | 39 | 79 | 129 | 1,03 |

**MANCHON FEMELLE / SOCKET FEMALE THREADED**



| Ref      | G      | L    | Z  | E    | Kg   |
|----------|--------|------|----|------|------|
| 1RMA2160 | 3/8"   | 11,4 | 8  | 23,5 | 0,01 |
| 1RMA2200 | 1/2"   | 15   | 7  | 29   | 0,02 |
| 1RMA2250 | 3/4"   | 16   | 9  | 35   | 0,03 |
| 1RMA2320 | 1"     | 19   | 9  | 43   | 0,04 |
| 1RMA2400 | 1 1/4" | 21   | 11 | 50   | 0,05 |
| 1RMA2500 | 1 1/2" | 21   | 18 | 61   | 0,11 |
| 1RMA2630 | 2"     | 26   | 20 | 76   | 0,19 |
| 1RMA2750 | 2 1/2" | 30   | 9  | 89   | 0,22 |
| 1RMA2900 | 3"     | 33   | 10 | 103  | 0,31 |
| 1RMA2110 | 4"     | 39   | 11 | 130  | 0,65 |

### MAMELON / NIPPLE

| Ref      | G      | L  | H  | O   | Kg   |
|----------|--------|----|----|-----|------|
| 1RNI2160 | 3/8"   | 11 | 33 | 22  | 0,01 |
| 1RNI2200 | 1/2"   | 15 | 42 | 24  | 0,01 |
| 1RNI2250 | 3/4"   | 16 | 44 | 30  | 0,02 |
| 1RNI2320 | 1"     | 19 | 50 | 36  | 0,03 |
| 1RNI2400 | 1 1/4" | 21 | 58 | 46  | 0,05 |
| 1RNI2500 | 1 1/2" | 21 | 58 | 50  | 0,06 |
| 1RNI2630 | 2"     | 26 | 66 | 65  | 0,11 |
| 1RNI2750 | 2 1/2" | 30 | 78 | 80  | 0,18 |
| 1RNI2900 | 3"     | 33 | 85 | 95  | 0,25 |
| 1RNI2110 | 4"     | 39 | 96 | 120 | 0,35 |

### MAMELON REDUIT / REDUCING NIPPLE

| Ref      | G x G           | L1 | L2 | H  | O   | Kg   |
|----------|-----------------|----|----|----|-----|------|
| 1RNR225B | 3/4" x 1/2"     | 16 | 15 | 43 | 30  | 0,02 |
| 1RNR232C | 1" x 3/4"       | 19 | 16 | 47 | 36  | 0,03 |
| 1RNR240D | 1 1/4" x 1"     | 21 | 19 | 56 | 46  | 0,04 |
| 1RNR250E | 1 1/2" x 1 1/4" | 21 | 21 | 58 | 50  | 0,06 |
| 1RNR263F | 2" x 1 1/2"     | 26 | 21 | 62 | 65  | 0,09 |
| 1RNR275G | 2 1/2" x 2"     | 30 | 26 | 72 | 80  | 0,16 |
| 1RNR290H | 3" x 2 1/2"     | 33 | 30 | 82 | 95  | 0,24 |
| 1RNR211I | 4" x 3"         | 39 | 33 | 90 | 120 | 0,36 |

### MANCHON REDUIT / REDUCING SOCKET

| Ref      | G x G           | L1 | L2 | Z  | E1  | E2  | Kg   |
|----------|-----------------|----|----|----|-----|-----|------|
| 1RMR220A | 1/2" x 3/8"     | 15 | 11 | 6  | 28  | 23  | 0,01 |
| 1RMR225B | 3/4" x 1/2"     | 16 | 15 | 7  | 34  | 28  | 0,03 |
| 1RMR232C | 1" x 3/4"       | 19 | 16 | 7  | 42  | 34  | 0,04 |
| 1RMR240D | 1 1/4" x 1"     | 21 | 19 | 8  | 51  | 42  | 0,03 |
| 1RMR250E | 1 1/2" x 1 1/4" | 21 | 21 | 8  | 58  | 51  | 0,08 |
| 1RMR263F | 2" x 1 1/2"     | 26 | 21 | 8  | 72  | 58  | 0,13 |
| 1RMR275G | 2 1/2" x 2"     | 30 | 26 | 8  | 89  | 72  | 0,18 |
| 1RMR290H | 3" x 2 1/2"     | 33 | 30 | 9  | 103 | 89  | 0,23 |
| 1RMR211I | 4" x 3"         | 39 | 33 | 10 | 130 | 103 | 0,52 |

**BOUCHON / CAP**

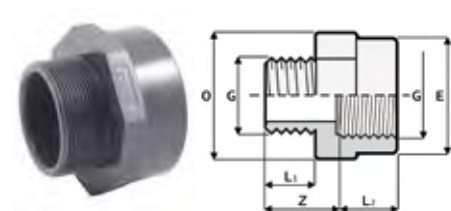
| Ref      | G      | L  | H  | E   | Fig. | Kg   |
|----------|--------|----|----|-----|------|------|
| 1RCA2160 | 3/8"   | 11 | 19 | 23  | A    | 0,01 |
| 1RCA2200 | 1/2"   | 15 | 25 | 28  | A    | 0,01 |
| 1RCA2250 | 3/4"   | 16 | 27 | 34  | A    | 0,02 |
| 1RCA2320 | 1"     | 19 | 31 | 42  | A    | 0,03 |
| 1RCA2400 | 1 1/4" | 21 | 35 | 51  | A    | 0,04 |
| 1RCA2500 | 1 1/2" | 21 | 36 | 58  | A    | 0,05 |
| 1RCA2630 | 2"     | 26 | 42 | 71  | A    | 0,09 |
| 1RCA2750 | 2 1/2" | 30 | 48 | 89  | B    | 0,20 |
| 1RCA2900 | 3"     | 33 | 53 | 105 | B    | 0,29 |
| 1RCA2110 | 4"     | 39 | 59 | 129 | B    | 0,43 |

> Fig. A

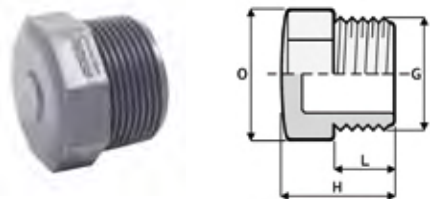
> Fig. B

**REDUCTEUR M x F / REDUCER M x F**

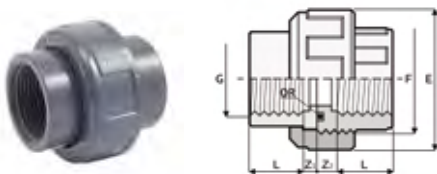
| Ref      | G x G1          | L1 | L2 | Z  | E   | O   | Kg   |
|----------|-----------------|----|----|----|-----|-----|------|
| 1RRI220A | 1/2" x 3/8"     | 15 | 11 | 24 | 23  | 24  | 0,02 |
| 1RRI225A | 3/4" x 3/8"     | 16 | 11 | 25 | 23  | 30  | 0,02 |
| 1RRI225B | 3/4" x 1/2"     | 16 | 15 | 26 | 28  | 30  | 0,02 |
| 1RRI232A | 1" x 3/8"       | 19 | 11 | 28 | 23  | 36  | 0,04 |
| 1RRI232B | 1" x 1/2"       | 19 | 15 | 29 | 28  | 36  | 0,03 |
| 1RRI232C | 1" x 3/4"       | 19 | 16 | 30 | 34  | 36  | 0,03 |
| 1RRI240B | 1 1/4" x 1/2"   | 21 | 15 | 33 | 28  | 46  | 0,04 |
| 1RRI240C | 1 1/4" x 3/4"   | 21 | 16 | 33 | 34  | 46  | 0,05 |
| 1RRI240D | 1 1/4" x 1"     | 21 | 19 | 33 | 42  | 46  | 0,05 |
| 1RRI250C | 1 1/2" x 3/4"   | 21 | 16 | 34 | 34  | 50  | 0,05 |
| 1RRI250D | 1 1/2" x 1"     | 21 | 19 | 34 | 42  | 50  | 0,05 |
| 1RRI250E | 1 1/2" x 1 1/4" | 21 | 21 | 34 | 51  | 55  | 0,08 |
| 1RRI263D | 2" x 1"         | 26 | 19 | 37 | 42  | 65  | 0,10 |
| 1RRI263E | 2" x 1 1/4"     | 26 | 21 | 37 | 51  | 65  | 0,11 |
| 1RRI263F | 2" x 1 1/2"     | 26 | 21 | 37 | 58  | 65  | 0,11 |
| 1RRI275E | 2 1/2" x 1 1/4" | 30 | 21 | 43 | 51  | 80  | 0,14 |
| 1RRI275F | 2 1/2" x 1 1/2" | 30 | 21 | 43 | 58  | 80  | 0,15 |
| 1RRI275G | 2 1/2" x 2"     | 30 | 26 | 43 | 72  | 80  | 0,16 |
| 1RRI290F | 3" x 1 1/2"     | 33 | 21 | 47 | 58  | 95  | 0,20 |
| 1RRI290G | 3" x 2"         | 33 | 26 | 47 | 72  | 95  | 0,22 |
| 1RRI290H | 3" x 2 1/2"     | 33 | 30 | 47 | 89  | 95  | 0,23 |
| 1RRI211G | 4" x 2"         | 39 | 26 | 53 | 72  | 120 | 0,34 |
| 1RRI211H | 4" x 2 1/2"     | 39 | 30 | 53 | 89  | 120 | 0,36 |
| 1RRI211I | 4" x 3"         | 39 | 33 | 53 | 103 | 120 | 0,20 |

**MANCHON M x F / ADAPTOR M x F**


| Ref      | GxG             | L1 | L2 | Z  | O   | E   | Kg   |
|----------|-----------------|----|----|----|-----|-----|------|
| 1RMG216B | 3/8" x 1/2"     | 11 | 15 | 22 | 30  | 28  | 0,03 |
| 1RMG220C | 1/2" x 3/4"     | 15 | 16 | 24 | 36  | 34  | 0,02 |
| 1RMG225D | 3/4" x 1"       | 16 | 19 | 26 | 46  | 42  | 0,04 |
| 1RMG232E | 1" x 1 1/4"     | 19 | 21 | 30 | 55  | 51  | 0,07 |
| 1RMG240F | 1 1/4" x 1 1/2" | 21 | 21 | 33 | 60  | 58  | 0,08 |
| 1RMG250G | 1 1/2" x 2"     | 21 | 26 | 34 | 75  | 72  | 0,13 |
| 1RMG263H | 2" x 2 1/2"     | 26 | 30 | 38 | 90  | 89  | 0,20 |
| 1RMG275I | 2 1/2" x 3"     | 30 | 33 | 44 | 105 | 103 | 0,24 |
| 1RMG290L | 3" x 4"         | 33 | 39 | 48 | 130 | 130 | 0,33 |

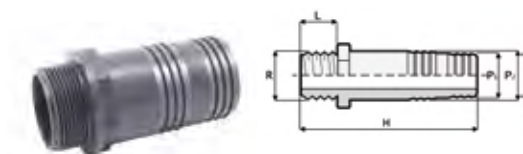
**BOUCHON MALE / PLUG**


| Ref      | G      | L  | H  | O   | Kg   |
|----------|--------|----|----|-----|------|
| 1RTA2160 | 3/8"   | 11 | 24 | 22  | 0,01 |
| 1RTA2200 | 1/2"   | 15 | 29 | 24  | 0,01 |
| 1RTA2250 | 3/4"   | 16 | 30 | 30  | 0,02 |
| 1RTA2320 | 1"     | 19 | 33 | 36  | 0,03 |
| 1RTA2400 | 1 1/4" | 21 | 39 | 46  | 0,05 |
| 1RTA2500 | 1 1/2" | 21 | 39 | 50  | 0,04 |
| 1RTA2630 | 2"     | 26 | 43 | 65  | 0,08 |
| 1RTA2750 | 2 1/2" | 30 | 51 | 80  | 0,16 |
| 1RTA2900 | 3"     | 33 | 55 | 95  | 0,24 |
| 1RTA2110 | 4"     | 39 | 61 | 120 | 0,36 |

**UNION AVEC O-RING / UNION WITH O-RING**


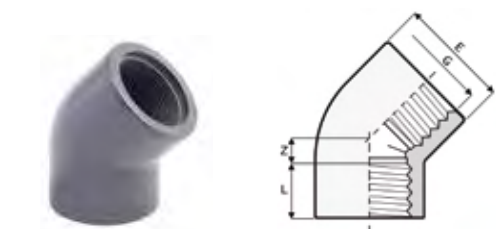
| Ref       | G      | L  | Z1 | Z2 | F      | E   | O-R  | Pn | Kg   |
|-----------|--------|----|----|----|--------|-----|------|----|------|
| 1RBO2160  | 3/8"   | 11 | 6  | 14 | 3/4"   | 34  | 3062 | 16 | 0,03 |
| 1RBO2200  | 1/2"   | 15 | 4  | 11 | 1"     | 42  | 4081 | 16 | 0,04 |
| 1RBO2250  | 3/4"   | 16 | 6  | 13 | 1 1/4" | 52  | 4112 | 16 | 0,07 |
| 1RBO2320  | 1"     | 19 | 6  | 13 | 1 1/2" | 59  | 4131 | 16 | 0,10 |
| 1RBO2400  | 1 1/4" | 21 | 8  | 17 | 2"     | 72  | 6162 | 16 | 0,16 |
| 1RBO2500  | 1 1/2" | 21 | 13 | 24 | 2 1/4" | 79  | 6187 | 16 | 0,26 |
| 1RBO2630  | 2"     | 26 | 15 | 30 | 2 3/4" | 96  | 6237 | 16 | 0,45 |
| 1RBO2750L | 2 1/2" | 30 | 18 | 33 | 3 1/2" | 120 | 6300 | 10 | 0,62 |
| 1RBO2900L | 3"     | 33 | 26 | 37 | 4"     | 135 | 6362 | 10 | 0,81 |
| 1RBO2110L | 4"     | 39 | 28 | 41 | 5"     | 163 | 6450 | 10 | 1,35 |

**DOUILLE / HOSE ADAPTOR**



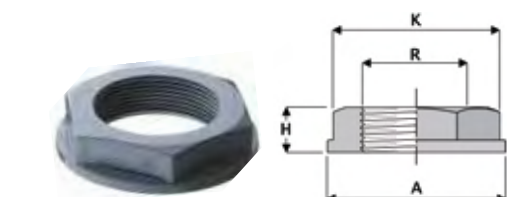
| Ref      | R x P1 x P2      | L  | H   | Kg   |
|----------|------------------|----|-----|------|
| 1RPO2160 | 3/8" x 16 x 18   | 11 | 58  | 0,01 |
| 1RPO2200 | 1/2" x 20 x 22   | 15 | 66  | 0,02 |
| 1RPO2250 | 3/4" x 25 x 27   | 16 | 81  | 0,03 |
| 1RPO2320 | 1" x 30 x 32     | 19 | 97  | 0,05 |
| 1RPO2400 | 1 1/4" x 40 x 42 | 21 | 104 | 0,09 |
| 1RPO2500 | 1 1/2" x 50 x 52 | 21 | 111 | 0,12 |
| 1RPO2630 | 2" x 60 x 64     | 26 | 123 | 0,18 |

**COUDE 45° / ELBOW 45°**



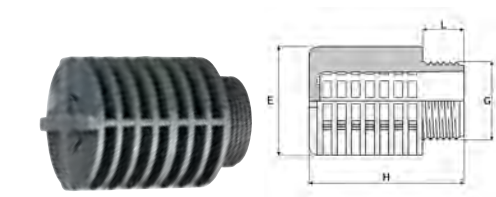
| Ref      | G      | L  | Z  | E   | Kg   |
|----------|--------|----|----|-----|------|
| HFV012   | 1/2"   | 15 | 7  | 28  | 0,02 |
| HFV034   | 3/4"   | 16 | 8  | 33  | 0,02 |
| HFV100   | 1"     | 19 | 11 | 41  | 0,05 |
| HFV114   | 1 1/4" | 21 | 15 | 50  | 0,07 |
| HFV112   | 1 1/2" | 21 | 21 | 64  | 0,15 |
| HFV200   | 2"     | 26 | 26 | 75  | 0,26 |
| HFV212   | 2 1/2" | 30 | 31 | 90  | 0,35 |
| HFV300   | 3"     | 33 | 39 | 107 | 0,63 |
| 1RGY2110 | 4"     | 39 | 79 | 129 | 0,84 |

**ECROU HEXAGONAL / BACKING NUT**

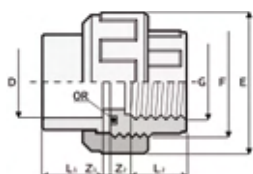


| Ref      | R      | A  | K  | H  | Kg   |
|----------|--------|----|----|----|------|
| 1RNU2200 | 1/2"   | 38 | 28 | 13 | 0,01 |
| 1RNU2250 | 3/4"   | 44 | 33 | 14 | 0,01 |
| 1RNU2320 | 1"     | 58 | 46 | 16 | 0,03 |
| 1RNU2400 | 1 1/4" | 62 | 50 | 18 | 0,03 |
| 1RNU2500 | 1 1/2" | 76 | 60 | 19 | 0,05 |
| 1RNU2630 | 2"     | 92 | 79 | 21 | 0,08 |

**TAMIS / FILTER**

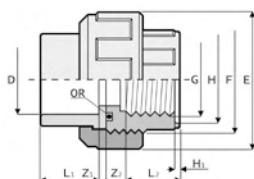


| Ref           | G      | L  | H   | E    | Kg   |
|---------------|--------|----|-----|------|------|
| 20FLT18M2G025 | 3/4"   | 12 | 55  | 36,5 | 0,03 |
| 20FLT18M2G032 | 1"     | 16 | 69  | 47   | 0,06 |
| 20FLT18M2G040 | 1 1/4" | 16 | 83  | 59   | 0,10 |
| 20FLT18M2G050 | 1 1/2" | 16 | 91  | 66   | 0,13 |
| 20FLT18M2G063 | 2"     | 15 | 109 | 81   | 0,22 |



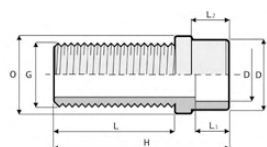
### UNION / UNION

| Ref       | DxG         | L1 | L2 | Z1 | Z2 | F      | E   | O-R  | Pn | Kg   |
|-----------|-------------|----|----|----|----|--------|-----|------|----|------|
| 1RBO316A  | 16 x 3/8"   | 14 | 11 | 3  | 14 | 3/4"   | 34  | 3062 | 16 | 0,03 |
| 1RBO320B  | 20 x 1/2"   | 16 | 15 | 3  | 11 | 1"     | 42  | 4081 | 16 | 0,04 |
| 1RBO325C  | 25 x 3/4"   | 19 | 16 | 3  | 13 | 1 1/4" | 52  | 4112 | 16 | 0,07 |
| 1RBO332D  | 32 x 1"     | 22 | 19 | 3  | 13 | 1 1/2" | 59  | 4131 | 16 | 0,10 |
| 1RBO340E  | 40 x 1 1/4" | 26 | 21 | 3  | 17 | 2"     | 72  | 6162 | 16 | 0,16 |
| 1RBO350F  | 50 x 1 1/2" | 31 | 21 | 3  | 24 | 2 1/4" | 79  | 6187 | 16 | 0,24 |
| 1RBO363G  | 63 x 2"     | 38 | 26 | 3  | 30 | 2 3/4" | 96  | 6237 | 16 | 0,41 |
| 1RBO375HL | 75 x 2 1/2" | 45 | 30 | 3  | 33 | 3 1/2" | 120 | 6300 | 10 | 0,62 |
| 1RBO390IL | 90 x 3"     | 53 | 33 | 5  | 37 | 4"     | 135 | 6362 | 10 | 0,81 |
| 1RBO311LL | 110 x 4"    | 61 | 39 | 5  | 41 | 5"     | 163 | 6450 | 10 | 1,35 |



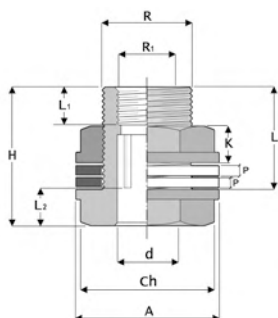
### UNION ISO/FILETE AVEC O-RING / UNION WITH O-RING ISO/THREADED VERSION

| Ref         | D x G       | L1 | L2 | Z1 | Z2 | F      | H  | H1 | E   | O-R  | Kg   |
|-------------|-------------|----|----|----|----|--------|----|----|-----|------|------|
| 1RBO350FAT  | 50 x 1 1/2" | 31 | 21 | 3  | 24 | 2 1/4" | 57 | 4  | 79  | 6187 | 0,24 |
| 1RBO363GAT  | 63 x 2"     | 38 | 26 | 3  | 30 | 2 3/4" | 70 | 4  | 96  | 6237 | 0,41 |
| 1RBO375HLSG | 75 x 2 1/2" | 45 | 30 | 3  | 33 | 3 1/2" | 86 | 4  | 119 | 6312 | 0,62 |
| 1RBO390ILSG | 90 x 3"     | 53 | 33 | 5  | 37 | 4"     | 98 | 4  | 135 | 6362 | 0,81 |



### PASSE MUR / WALL ENTRY

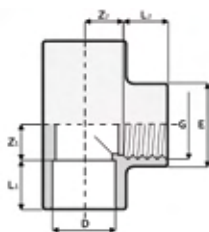
| Ref      | D1 x D x G       | L   | L1 | L2 | H      | O     | Kg   |
|----------|------------------|-----|----|----|--------|-------|------|
| 1RAP340F | 40 x 50 x 1 1/2" | 106 | 27 | 31 | 148,20 | 54,60 | 0,15 |
| 1RAP350G | 50 x 63 x 2"     | 100 | 32 | 31 | 148,20 | 67,60 | 0,22 |



### RACCORD DE RESERVOIR / TANK CONNECTOR

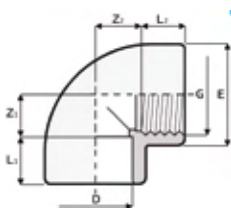
| Ref      | R x d x R1       | A  | Ch | L  | L1    | L2    | H     | P | K     | Kg   |
|----------|------------------|----|----|----|-------|-------|-------|---|-------|------|
| 1RAS316E | 3/4" x 16 x 1/2" | 44 | 33 | 47 | 15,00 | 14,00 | 60,50 | 3 | 13,50 | 0,05 |
| 1RAS320C | 1" x 20 x 3/4"   | 58 | 46 | 49 | 16,30 | 16,00 | 65,00 | 3 | 16,00 | 0,11 |
| 1RAS325E | 1 1/4" x 25 x 1" | 62 | 50 | 52 | 19,10 | 19,00 | 70,00 | 3 | 18,00 | 0,14 |
| 1RAS332E | 1 1/2" x 32 x 1" | 76 | 60 | 54 | 19,10 | 22,00 | 73,00 | 3 | 19,00 | 0,19 |
| 1RAS340F | 2" x 40 x 1 1/2" | 92 | 79 | 60 | 21,40 | 26,00 | 81,00 | 3 | 20,80 | 0,34 |

**TE 90° / 90° TEE**



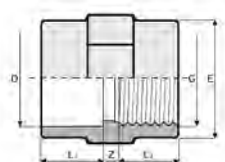
| Ref        | D x G       | L1 | L2 | Z1 | Z2 | E   | Kg   |
|------------|-------------|----|----|----|----|-----|------|
| 1RTI316A   | 16 x 3/8"   | 14 | 11 | 9  | 12 | 23  | 0,04 |
| 1RTI320B   | 20 x 1/2"   | 16 | 15 | 12 | 13 | 28  | 0,03 |
| 1RTI325C   | 25 x 3/4"   | 19 | 16 | 15 | 17 | 35  | 0,05 |
| 1RTI332D   | 32 x 1"     | 22 | 19 | 18 | 21 | 43  | 0,07 |
| 1RTI340E   | 40 x 1 1/4" | 26 | 21 | 21 | 26 | 51  | 0,13 |
| 1RTI350F   | 50 x 1 1/2" | 31 | 21 | 26 | 36 | 61  | 0,20 |
| 1RTI363G   | 63 x 2"     | 38 | 26 | 33 | 45 | 75  | 0,38 |
| 1RTI375H   | 75 x 2 1/2" | 44 | 30 | 39 | 53 | 89  | 0,53 |
| 1RTI390I   | 90 x 3"     | 51 | 33 | 47 | 65 | 106 | 0,85 |
| TIFV110400 | 110 x 4"    | 61 | 39 | 62 | 83 | 133 | 1,69 |

**COUDE 90° / ELBOW 90°**

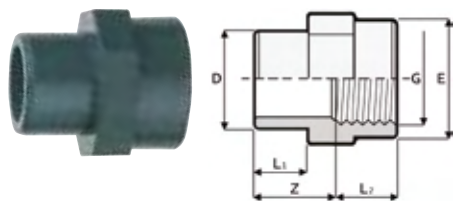


| Ref      | D x G       | L1 | L2 | Z1 | Z2 | E   | Kg   |
|----------|-------------|----|----|----|----|-----|------|
| 1RGO316A | 16 x 3/8"   | 14 | 11 | 9  | 12 | 23  | 0,03 |
| 1RGO320B | 20 x 1/2"   | 16 | 15 | 11 | 12 | 28  | 0,03 |
| 1RGO325C | 25 x 3/4"   | 19 | 16 | 14 | 17 | 35  | 0,04 |
| 1RGO332D | 32 x 1"     | 22 | 19 | 18 | 21 | 43  | 0,07 |
| 1RGO340E | 40 x 1 1/4" | 26 | 21 | 21 | 26 | 51  | 0,10 |
| 1RGO350F | 50 x 1 1/2" | 31 | 21 | 26 | 36 | 61  | 0,17 |
| 1RGO363G | 63 x 2"     | 38 | 26 | 33 | 46 | 76  | 0,32 |
| 1RGO375H | 75 x 2 1/2" | 44 | 30 | 39 | 53 | 89  | 0,42 |
| 1RGO390I | 90 x 3"     | 51 | 33 | 47 | 65 | 106 | 0,69 |
| 1RGO311L | 110 x 4"    | 61 | 39 | 57 | 79 | 129 | 1,04 |

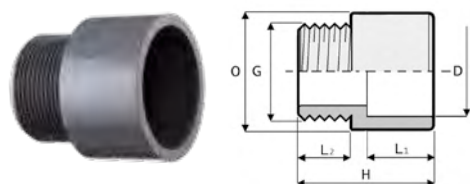
**MANCHON / SOCKET**



| Ref      | D x G       | L1 | L2 | Z  | E   | Kg   |
|----------|-------------|----|----|----|-----|------|
| 1RMA316A | 16 x 3/8"   | 14 | 11 | 6  | 24  | 0,01 |
| 1RMA320B | 20 x 1/2"   | 16 | 15 | 4  | 29  | 0,02 |
| 1RMA325C | 25 x 3/4"   | 19 | 16 | 5  | 35  | 0,03 |
| 1RMA332D | 32 x 1"     | 22 | 19 | 6  | 43  | 0,05 |
| 1RMA340E | 40 x 1 1/4" | 26 | 21 | 5  | 50  | 0,06 |
| 1RMA350F | 50 x 1 1/2" | 31 | 21 | 8  | 61  | 0,10 |
| 1RMA363G | 63 x 2"     | 38 | 26 | 8  | 76  | 0,18 |
| 1RMA375H | 75 x 2 1/2" | 44 | 30 | 8  | 89  | 0,23 |
| 1RMA390I | 90 x 3"     | 51 | 33 | 9  | 106 | 0,36 |
| 1RMA311L | 110 x 4"    | 61 | 39 | 10 | 129 | 0,56 |

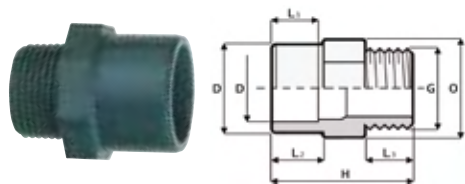

**MANCHON FEMELLE / FEMALE THREADED ADAPTOR**

| Ref      | D x G       | L1 | L2 | E   | Z  | Kg   |
|----------|-------------|----|----|-----|----|------|
| 1RAF316A | 16 x 3/8"   | 14 | 15 | 23  | 18 | 0,01 |
| 1RAF320B | 20 x 1/2"   | 16 | 19 | 28  | 21 | 0,02 |
| 1RAF320C | 20 x 3/4"   | 16 | 19 | 34  | 23 | 0,02 |
| 1RAF325B | 25 x 1/2"   | 19 | 17 | 28  | 27 | 0,02 |
| 1RAF325C | 25 x 3/4"   | 19 | 19 | 34  | 27 | 0,03 |
| 1RAF325D | 25 x 1"     | 19 | 22 | 42  | 26 | 0,04 |
| 1RAF332C | 32 x 3/4"   | 22 | 19 | 34  | 29 | 0,03 |
| 1RAF332D | 32 x 1"     | 22 | 22 | 42  | 26 | 0,03 |
| 1RAF340D | 40 x 1"     | 26 | 22 | 42  | 34 | 0,05 |
| 1RAF340E | 40 x 1 1/4" | 26 | 24 | 51  | 34 | 0,06 |
| 1RAF350E | 50 x 1 1/4" | 31 | 27 | 51  | 36 | 0,08 |
| 1RAF350F | 50 x 1 1/2" | 31 | 24 | 61  | 39 | 0,09 |
| 1RAF350G | 50 x 2"     | 31 | 28 | 72  | 39 | 0,12 |
| 1RAF363F | 63 x 1 1/2" | 38 | 24 | 61  | 47 | 0,12 |
| 1RAF363G | 63 x 2"     | 38 | 28 | 72  | 47 | 0,13 |
| 1RAF375G | 75 x 2"     | 44 | 28 | 72  | 54 | 0,18 |
| 1RAF375H | 75 x 2 1/2" | 44 | 33 | 89  | 56 | 0,22 |
| 1RAF375I | 75 x 3"     | 44 | 38 | 103 | 55 | 0,30 |
| 1RAF390H | 90 x 2 1/2" | 51 | 33 | 89  | 63 | 0,24 |
| 1RAF390I | 90 x 3"     | 51 | 39 | 103 | 61 | 0,31 |
| 1RAF390L | 90 x 4"     | 51 | 43 | 129 | 62 | 0,45 |
| 1RAF311I | 110 x 3"    | 61 | 38 | 103 | 72 | 0,49 |
| 1RAF311L | 110 x 4"    | 61 | 43 | 129 | 73 | 0,49 |


**ADAPTATEUR / ADAPTOR**

| Ref      | D x G      | L1 | L2 | H   | O  | Kg   |
|----------|------------|----|----|-----|----|------|
| 1RAL350F | 50 x 1"1/2 | 32 | 30 | 67  | 62 | 0,09 |
| 1RAL363G | 63 x 2"    | 39 | 35 | 80  | 76 | 0,14 |
| 1RAL375H | 75 x 2"1/2 | 44 | 40 | 108 | 95 | 0,30 |

MANCHON MALE / MALE ADAPTOR

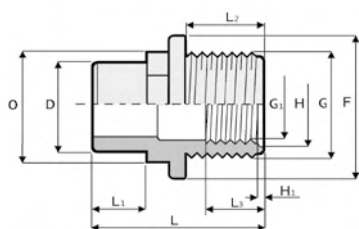


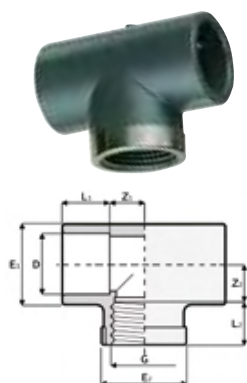
| Ref      | D x D x G         | L1 | L2 | L3 | H   | O   | Kg   |
|----------|-------------------|----|----|----|-----|-----|------|
| 1RAM316A | 16 x 20 x 3/8"    | 14 | 16 | 11 | 40  | 24  | 0,01 |
| 1RAM316B | 16 x 20 x 1/2"    | 14 | 16 | 15 | 43  | 24  | 0,02 |
| 1RAM320B | 20 x 25 x 1/2"    | 16 | 19 | 15 | 46  | 30  | 0,02 |
| 1RAM320C | 20 x 25 x 3/4"    | 16 | 19 | 16 | 47  | 30  | 0,02 |
| 1RAM325B | 25 x 32 x 1/2"    | 19 | 22 | 15 | 49  | 36  | 0,03 |
| 1RAM325C | 25 x 32 x 3/4"    | 19 | 22 | 16 | 50  | 36  | 0,03 |
| 1RAM325D | 25 x 32 x 1"      | 19 | 22 | 19 | 53  | 36  | 0,05 |
| 1RAM332C | 32 x 40 x 3/4"    | 22 | 26 | 16 | 54  | 46  | 0,04 |
| 1RAM332D | 32 x 40 x 1"      | 22 | 26 | 19 | 57  | 46  | 0,04 |
| 1RAM332E | 32 x 40 x 1 1/4"  | 22 | 26 | 21 | 60  | 46  | 0,06 |
| 1RAM340D | 40 x 50 x 1"      | 26 | 31 | 19 | 64  | 55  | 0,07 |
| 1RAM340E | 40 x 50 x 1 1/4"  | 26 | 31 | 21 | 67  | 55  | 0,07 |
| 1RAM340F | 40 x 50 x 1 1/2"  | 26 | 31 | 21 | 67  | 55  | 0,07 |
| 1RAM350E | 50 x 63 x 1 1/4"  | 31 | 38 | 21 | 74  | 65  | 0,07 |
| 1RAM350F | 50 x 63 x 1 1/2"  | 31 | 38 | 21 | 74  | 65  | 0,12 |
| 1RAM350G | 50 x 63 x 2"      | 31 | 38 | 26 | 78  | 65  | 0,13 |
| 1RAM363F | 63 x 75 x 1 1/2"  | 38 | 44 | 21 | 80  | 80  | 0,20 |
| 1RAM363G | 63 x 75 x 2"      | 38 | 44 | 26 | 84  | 80  | 0,16 |
| 1RAM363H | 63 x 75 x 2 1/2"  | 38 | 44 | 30 | 91  | 80  | 0,20 |
| 1RAM375G | 75 x 90 x 2"      | 44 | 51 | 26 | 93  | 95  | 0,28 |
| 1RAM375H | 75 x 90 x 2 1/2"  | 44 | 51 | 30 | 98  | 95  | 0,28 |
| 1RAM375I | 75 x 90 x 3"      | 44 | 51 | 34 | 100 | 95  | 0,30 |
| 1RAM390H | 90 x 110 x 2 1/2" | 51 | 61 | 30 | 108 | 110 | 0,37 |
| 1RAM390I | 90 x 110 x 3"     | 51 | 61 | 34 | 113 | 110 | 0,39 |
| 1RAM390L | 90 x 110 x 4"     | 51 | 61 | 39 | 128 | 128 | 0,42 |
| 1RAM311L | 110 x 125 x 4"    | 61 | 69 | 39 | 126 | 128 | 0,50 |



ADAPTATEUR FILETE AVEC O-RING / THREADED ADAPTER WITH O-RING

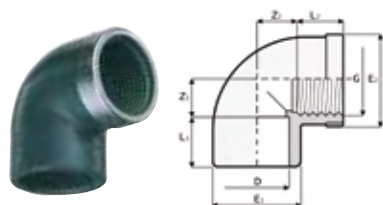
| Ref         | D x D x G       | L1 | L2 | L3 | L  | H  | H1 | F  | O  | Kg   |
|-------------|-----------------|----|----|----|----|----|----|----|----|------|
| RAM350GF0SG | 50 x 1 1/2 x 2" | 32 | 40 | 34 | 96 | 54 | 2  | 82 | 55 | 0,15 |





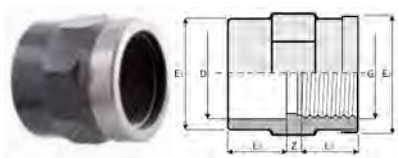
### TE 90° / TEE 90°

| Ref      | D x G       | L1 | L2 | Z1 | Z2    | E1 | E2 | Kg   |
|----------|-------------|----|----|----|-------|----|----|------|
| 1RTM316A | 16 x 3/8"   | 14 | 11 | 9  | 11,60 | 23 | 25 | 0,04 |
| 1RTM320B | 20 x 1/2"   | 16 | 15 | 11 | 12,00 | 28 | 30 | 0,05 |
| 1RTM325C | 25 x 3/4"   | 19 | 16 | 14 | 16,70 | 34 | 35 | 0,06 |
| 1RTM332D | 32 x 1"     | 22 | 19 | 17 | 19,90 | 42 | 45 | 0,08 |
| 1RTM340E | 40 x 1 1/4" | 26 | 21 | 21 | 25,60 | 51 | 55 | 0,13 |
| 1RTM350F | 50 x 1 1/2" | 31 | 21 | 26 | 35,60 | 61 | 65 | 0,20 |



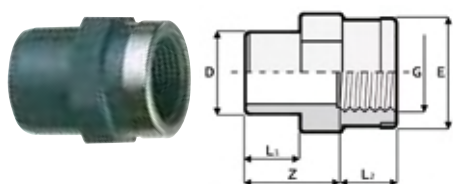
### COUDE 90° / ELBOW 90°

| Ref      | D x G       | L1 | L2 | Z1 | Z2    | E1 | E2 | Kg   |
|----------|-------------|----|----|----|-------|----|----|------|
| 1RGM316A | 16 x 3/8"   | 14 | 11 | 9  | 11,60 | 23 | 25 | 0,03 |
| 1RGM320B | 20 x 1/2"   | 16 | 15 | 11 | 12,00 | 28 | 30 | 0,03 |
| 1RGM325C | 25 x 3/4"   | 19 | 16 | 14 | 16,70 | 34 | 35 | 0,03 |
| 1RGM332D | 32 x 1"     | 22 | 19 | 17 | 19,90 | 42 | 45 | 0,06 |
| 1RGM340E | 40 x 1 1/4" | 26 | 21 | 21 | 25,60 | 51 | 55 | 0,10 |
| 1RGM350F | 50 x 1 1/2" | 31 | 21 | 26 | 35,60 | 61 | 65 | 0,17 |
| 1RGM363G | 63 x 2"     | 38 | 26 | 33 | 45,30 | 75 | 78 | 0,28 |



### MANCHON / SOCKET

| Ref      | D x G       | L1 | L2 | E1 | E2    | Z | Kg   |
|----------|-------------|----|----|----|-------|---|------|
| 1RMM316A | 16 x 3/8"   | 14 | 11 | 24 | 24,50 | 6 | 0,01 |
| 1RMM320B | 20 x 1/2"   | 16 | 15 | 29 | 29,50 | 4 | 0,02 |
| 1RMM325C | 25 x 3/4"   | 19 | 16 | 35 | 36,00 | 5 | 0,03 |
| 1RMM332D | 32 x 1"     | 22 | 19 | 43 | 44,00 | 6 | 0,05 |
| 1RMM340E | 40 x 1 1/4" | 26 | 21 | 50 | 51,00 | 5 | 0,06 |
| 1RMM350F | 50 x 1 1/2" | 31 | 21 | 61 | 62,00 | 8 | 0,11 |
| 1RMM363G | 63 x 2"     | 38 | 26 | 76 | 77,00 | 8 | 0,19 |



### ADAPTATEUR / ADAPTOR

| Ref      | D x G       | L1 | L2 | E  | Z     | Kg   |
|----------|-------------|----|----|----|-------|------|
| 1RRM320B | 20 x 1/2"   | 16 | 15 | 30 | 26,00 | 0,02 |
| 1RRM325B | 25 x 1/2"   | 16 | 19 | 30 | 29,00 | 0,02 |
| 1RRM325C | 25 x 3/4"   | 19 | 16 | 35 | 29,00 | 0,03 |
| 1RRM332C | 32 x 3/4"   | 19 | 22 | 35 | 32,00 | 0,03 |
| 1RRM332D | 32 x 1"     | 22 | 19 | 45 | 33,00 | 0,04 |
| 1RRM340D | 40 x 1"     | 22 | 21 | 45 | 37,00 | 0,05 |
| 1RRM340E | 40 x 1 1/4" | 26 | 21 | 55 | 37,00 | 0,05 |
| 1RRM350F | 50 x 1 1/2" | 31 | 21 | 65 | 42,00 | 0,10 |
| 1RRM350G | 50 x 2"     | 31 | 26 | 78 | 42,00 | 0,13 |
| 1RRM363G | 63 x 2"     | 38 | 26 | 78 | 50,00 | 0,14 |

[www.adisfrance.eu](http://www.adisfrance.eu)



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