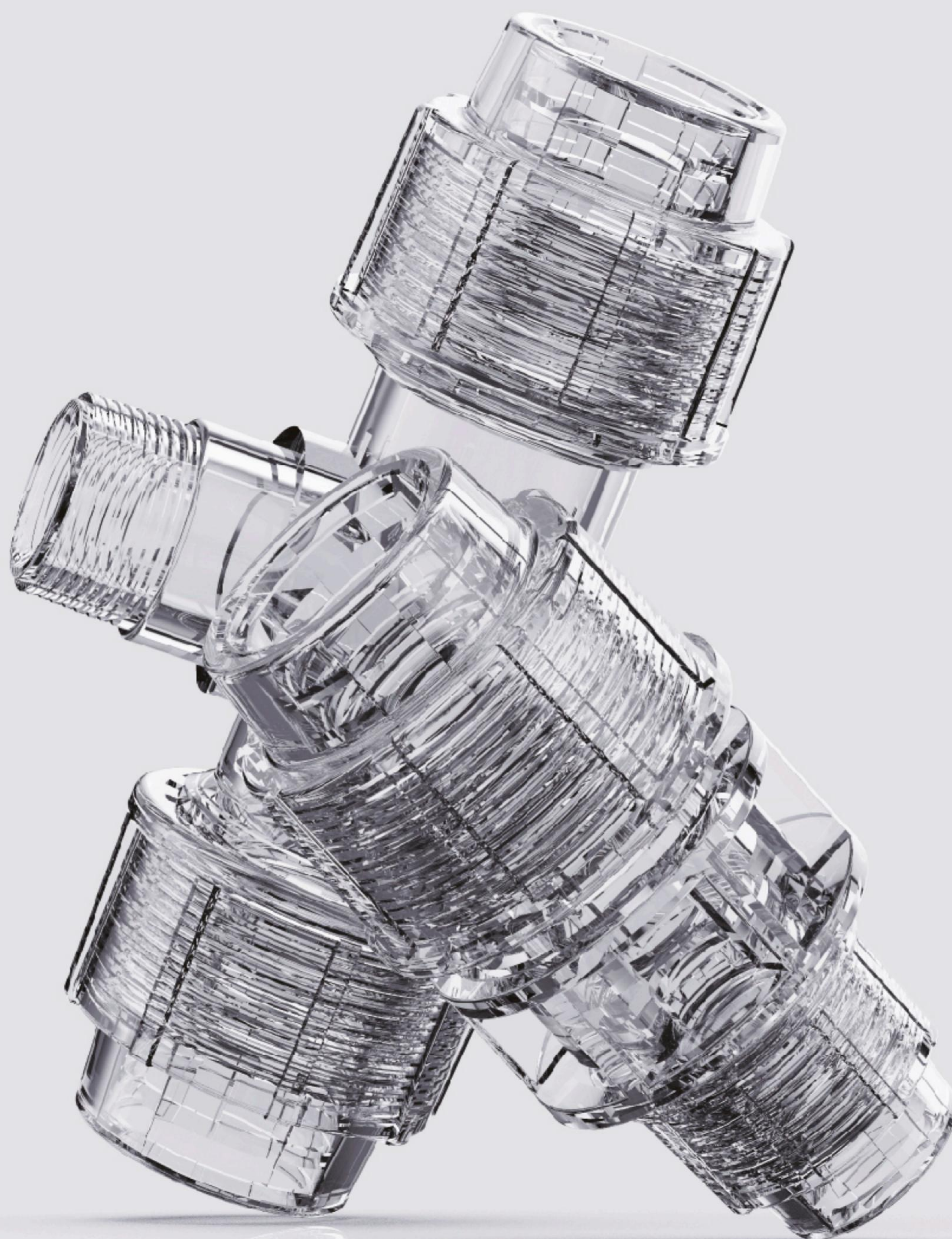
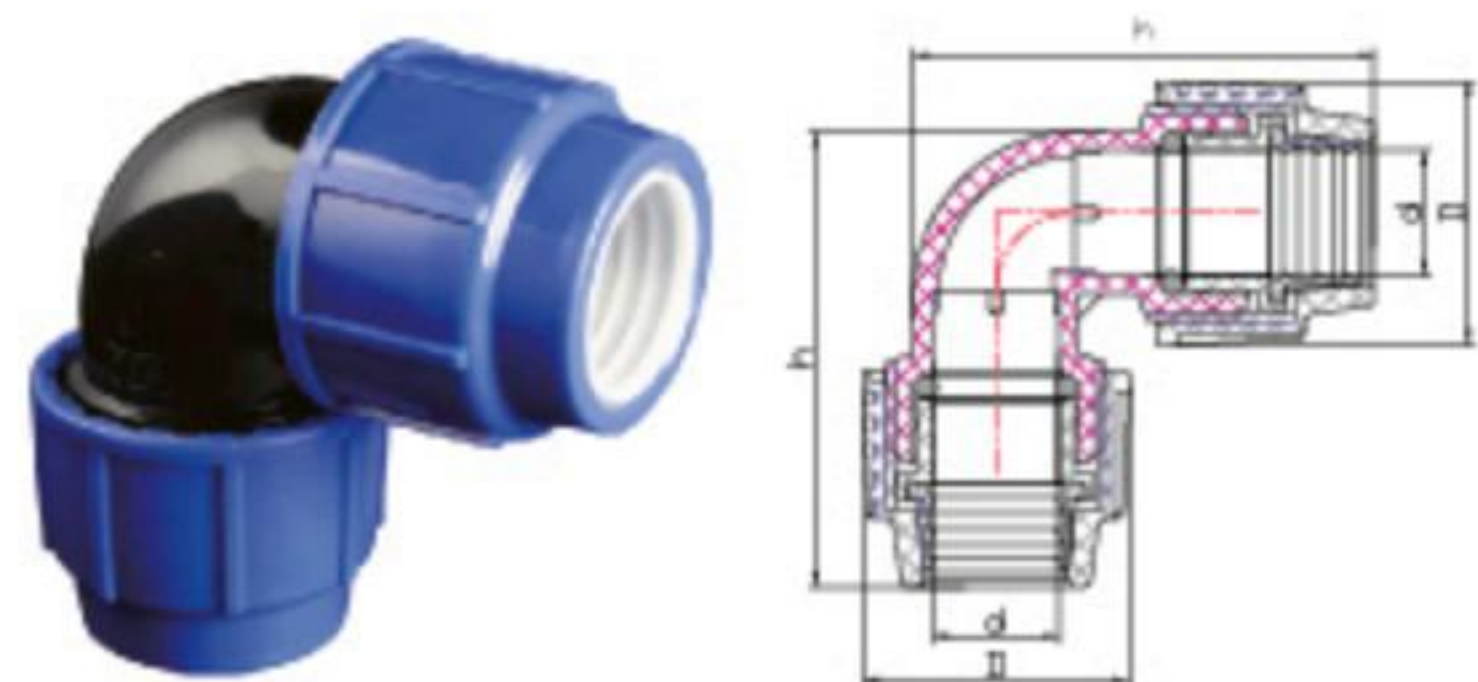




# PP COMPRESSION FITTINGS

**PRESSURE**

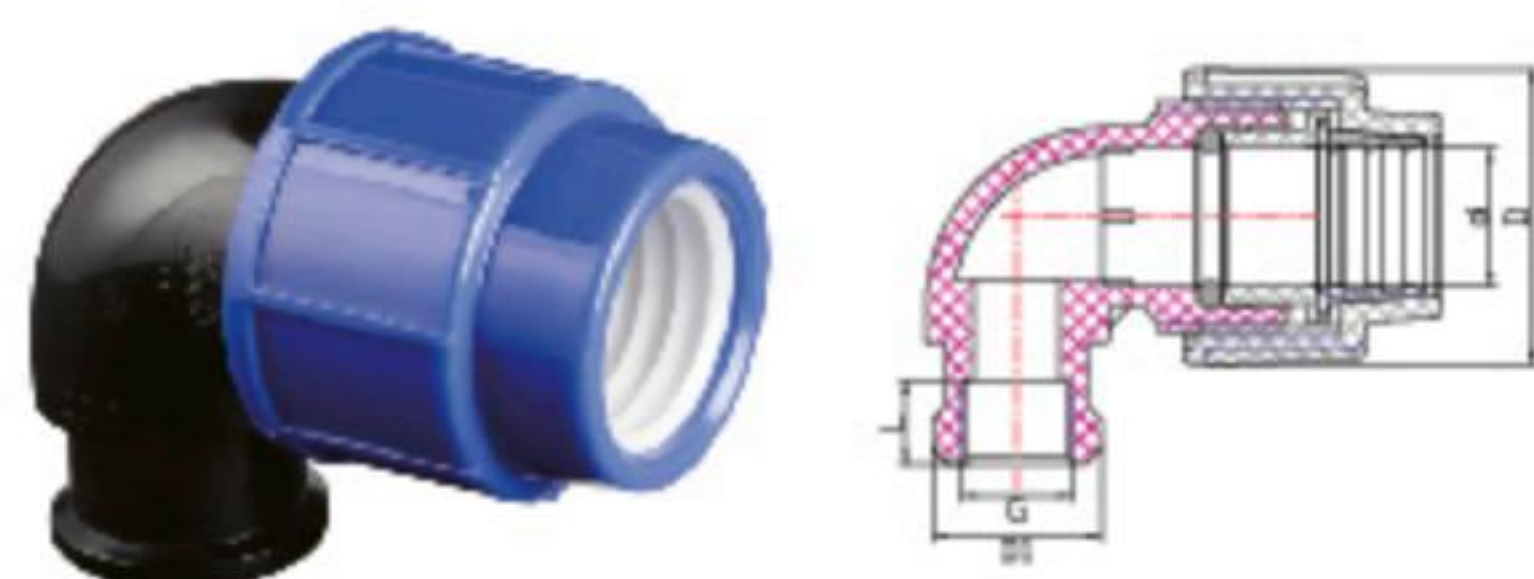




ITEM NO:PT001

### 90° ELBOW

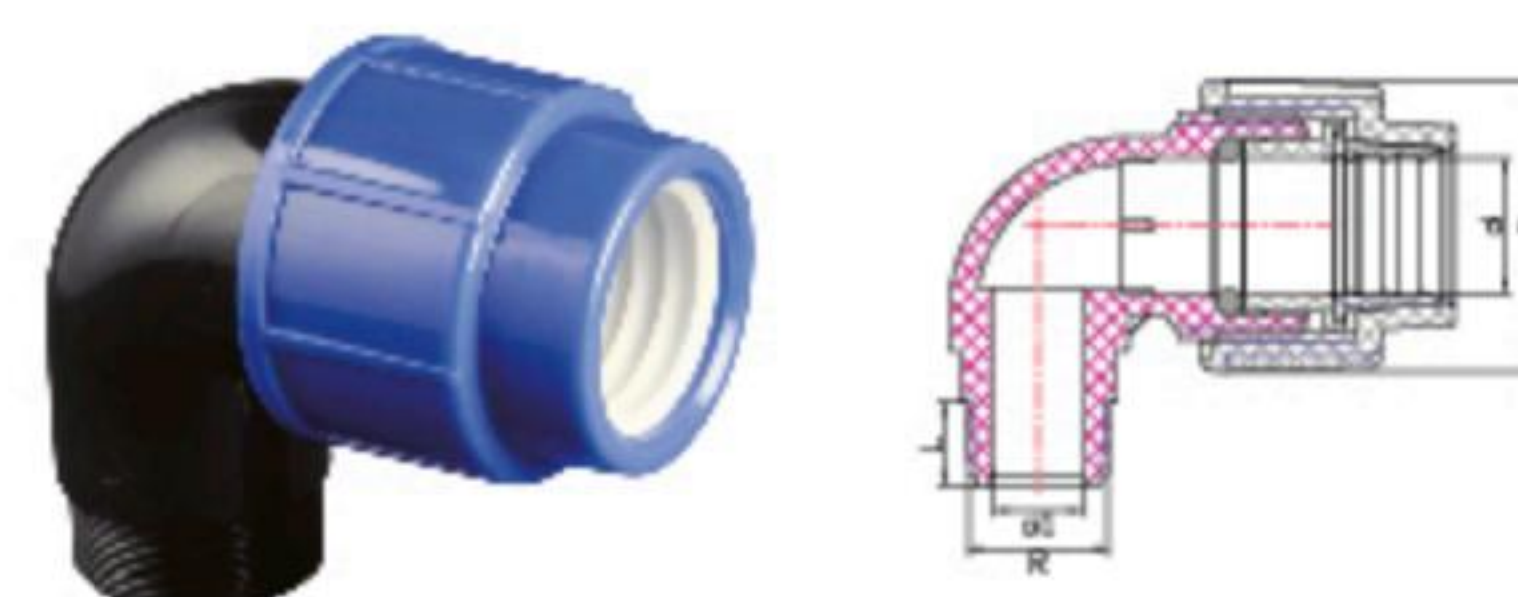
| Nom Size | D   | d    | H     |
|----------|-----|------|-------|
| 16       | 38  | 18.3 | 63.03 |
| 20       | 44  | 21   | 76    |
| 25       | 56  | 26   | 96    |
| 32       | 65  | 33   | 116   |
| 40       | 80  | 41   | 145   |
| 50       | 92  | 51   | 163   |
| 63       | 114 | 64   | 195   |
| 75       | 128 | 76   | 227   |
| 90       | 152 | 91   | 264   |
| 110      | 182 | 111  | 307   |



ITEM NO:PT002

### FEMALE THREAD ELBOW

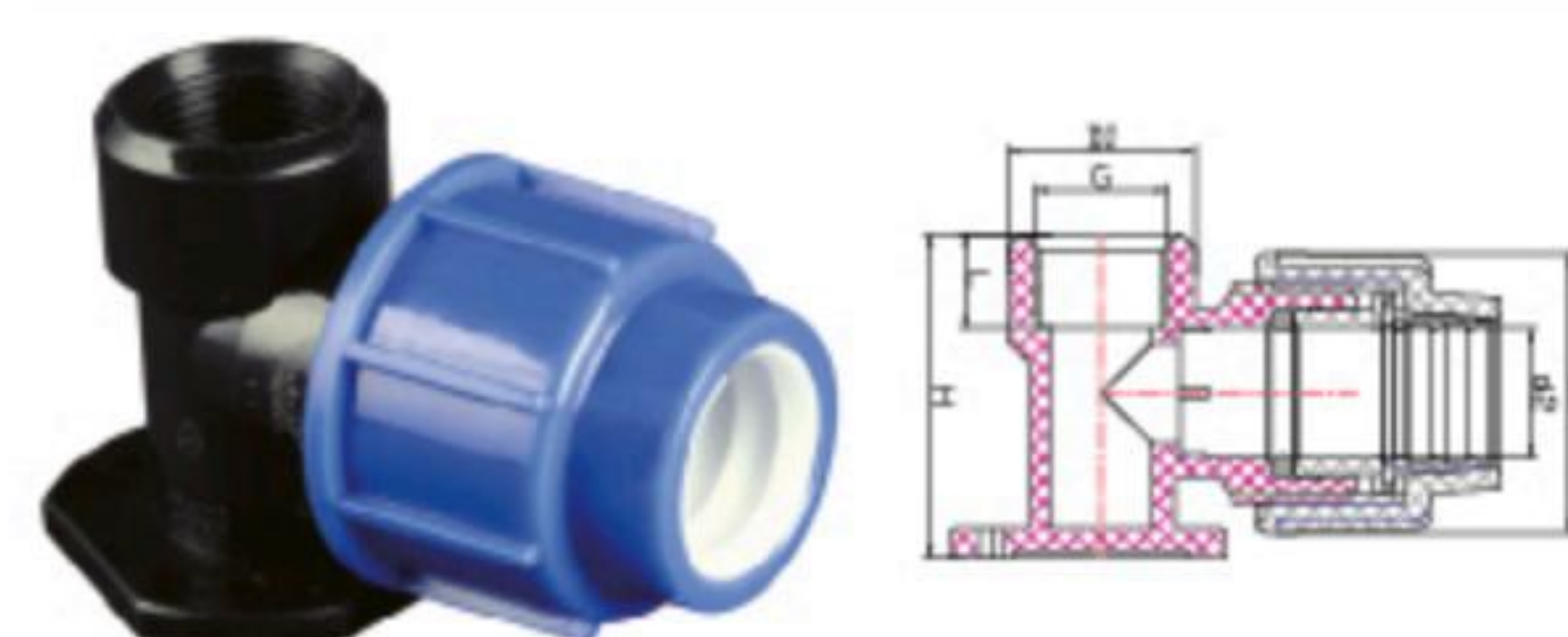
| Nom Size  | D   | d    | D1    | G      | L    |
|-----------|-----|------|-------|--------|------|
| 16X1/2"   | 38  | 18.3 | 29.7  | 1/2"   | 16.5 |
| 20X1/2"   | 44  | 21   | 31.6  | 1/2"   | 16   |
| 20X3/4"   | 44  | 21   | 38.6  | 3/4"   | 19   |
| 25X1/2"   | 56  | 26   | 31.6  | 1/2"   | 16   |
| 25X3/4"   | 56  | 26   | 38.6  | 3/4"   | 19   |
| 32X1/2"   | 65  | 33   | 31.6  | 1/2"   | 16   |
| 32X3/4"   | 65  | 33   | 38.6  | 3/4"   | 19   |
| 32X1"     | 65  | 33   | 47.4  | 1"     | 22   |
| 40X3/4"   | 80  | 41   | 38.6  | 3/4"   | 19   |
| 40X1"     | 80  | 41   | 47.4  | 1"     | 22   |
| 40X1 1/4" | 80  | 41   | 62.0  | 1 1/4" | 24   |
| 40X1 1/2" | 80  | 41   | 67.0  | 1 1/2" | 24   |
| 50X1 1/4" | 92  | 51   | 62.0  | 1 1/4" | 24   |
| 50X1 1/2" | 92  | 51   | 67.0  | 1 1/2" | 24   |
| 50X2"     | 92  | 51   | 81.2  | 2"     | 28   |
| 63X1 1/4" | 114 | 64   | 62.0  | 1 1/4" | 24   |
| 63X1 1/2" | 114 | 64   | 67.0  | 1 1/2" | 24   |
| 63X2"     | 114 | 64   | 81.2  | 2"     | 28   |
| 75X2"     | 128 | 76   | 81.2  | 2"     | 28   |
| 75X2 1/2" | 128 | 76   | 105.0 | 2 1/2" | 33   |
| 90X3"     | 152 | 91   | 126.0 | 3"     | 35   |
| 90X4"     | 152 | 91   | 157.0 | 4"     | 40   |
| 110X4"    | 182 | 111  | 157.0 | 4"     | 40   |



ITEM NO:PT003

### MALE THREAD ELBOW

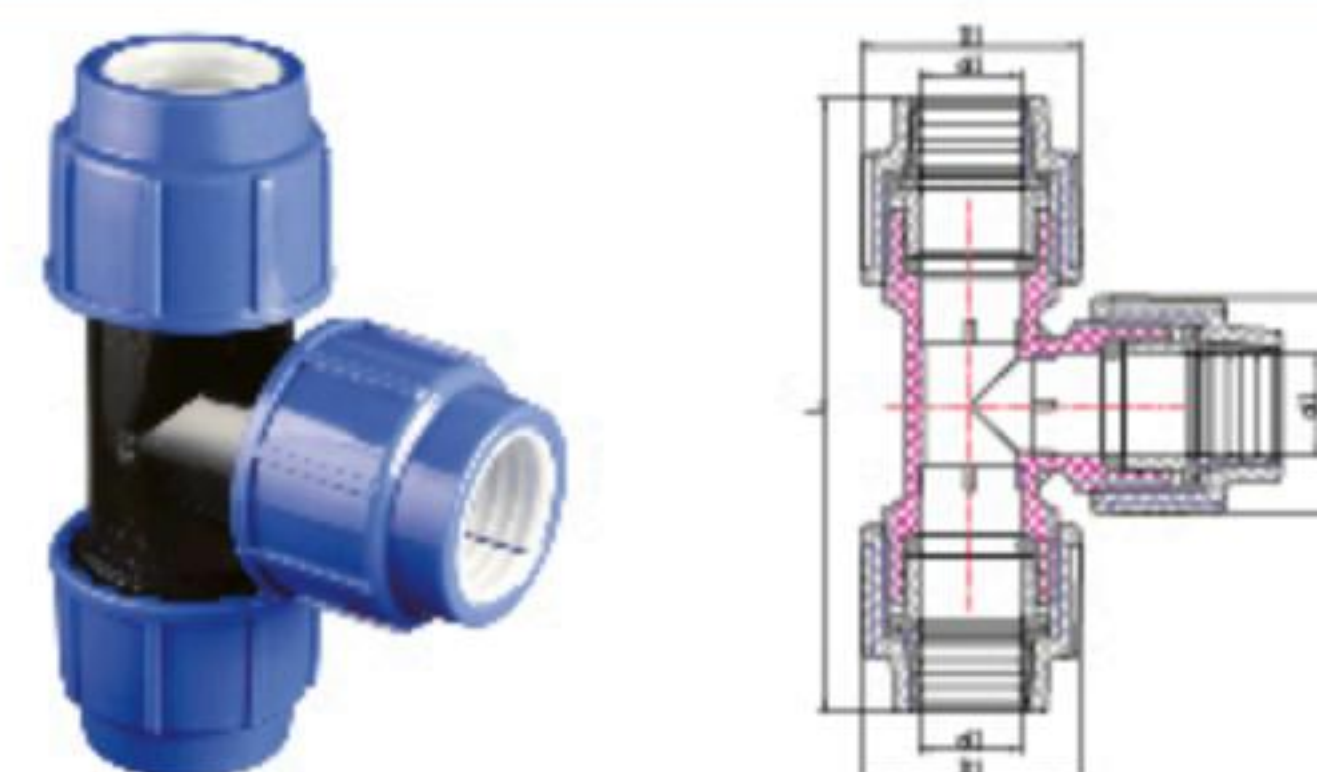
| Nom Size  | D   | d   | d1 | R      | L  |
|-----------|-----|-----|----|--------|----|
| 20X1/2"   | 44  | 21  | 12 | 1/2"   | 14 |
| 20X3/4"   | 44  | 21  | 17 | 3/4"   | 16 |
| 25X1/2"   | 56  | 26  | 12 | 1/2"   | 14 |
| 25X3/4"   | 56  | 26  | 17 | 3/4"   | 16 |
| 32X1/2"   | 65  | 33  | 12 | 1/2"   | 14 |
| 32X3/4"   | 65  | 33  | 17 | 3/4"   | 16 |
| 32X1"     | 65  | 33  | 22 | 1"     | 19 |
| 40X1 1/4" | 80  | 41  | 30 | 1 1/4" | 21 |
| 40X1 1/2" | 80  | 41  | 34 | 1 1/2" | 21 |
| 50X1 1/4" | 92  | 51  | 30 | 1 1/4" | 21 |
| 50X1 1/2" | 92  | 51  | 34 | 1 1/2" | 21 |
| 50X2"     | 92  | 51  | 44 | 2"     | 26 |
| 63X1 1/4" | 114 | 64  | 30 | 1 1/4" | 21 |
| 63X1 1/2" | 114 | 64  | 33 | 1 1/2" | 21 |
| 63X2"     | 114 | 64  | 46 | 2"     | 26 |
| 75X2 1/2" | 128 | 76  | 59 | 2 1/2" | 30 |
| 90X3"     | 152 | 91  | 70 | 3"     | 33 |
| 90X4"     | 152 | 91  | 91 | 4"     | 38 |
| 110X4"    | 182 | 111 | 89 | 4"     | 38 |



ITEM NO:PT004

### FEMALE THREAD ELBOW WITH BRACKET

| Nom Size | D  | d1   | L  | D2 | d2 | H  |
|----------|----|------|----|----|----|----|
| 25X3/4"  | 37 | 3/4" | 19 | 56 | 26 | 65 |

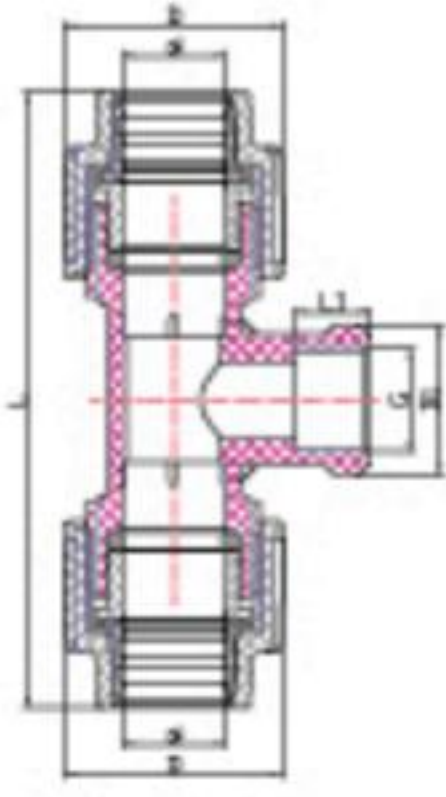


ITEM NO:PT005

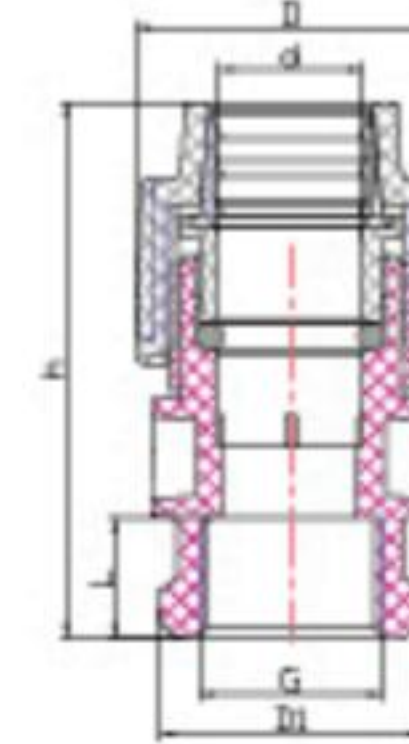
### TEE

| Nom Size | D   | d    | L      |
|----------|-----|------|--------|
| 16       | 38  | 18.3 | 104.59 |
| 20       | 44  | 21   | 125    |
| 25       | 56  | 26   | 158    |
| 32       | 65  | 33   | 189    |
| 40       | 80  | 41   | 239    |
| 50       | 92  | 51   | 262    |
| 63       | 114 | 64   | 303    |
| 75       | 128 | 76   | 365    |
| 90       | 152 | 91   | 420    |
| 110      | 182 | 111  | 482    |





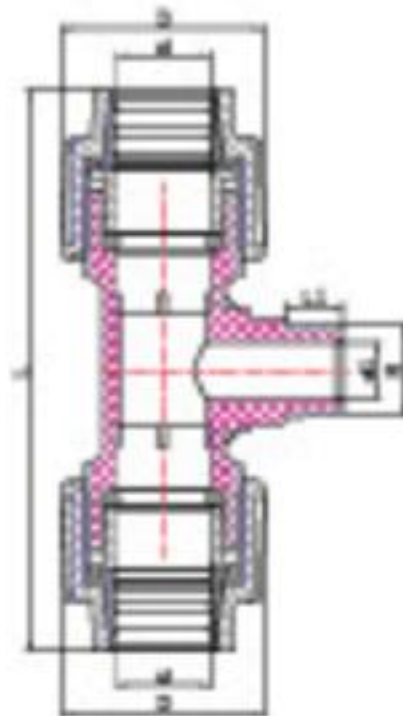
ITEM NO:PT006



ITEM NO:PT008

### FEMALE THREAD TEE

| Nom Size  | D   | d    | D1   | G      | L1   | L      |
|-----------|-----|------|------|--------|------|--------|
| 16X1/2"   | 38  | 18.3 | 29.7 | 1/2"   | 16.5 | 104.59 |
| 20X1/2"   | 44  | 21   | 31.6 | 1/2"   | 16   | 125    |
| 20X3/4"   | 44  | 21   | 38.6 | 3/4"   | 19   | 125    |
| 25X1/2"   | 56  | 26   | 31.6 | 1/2"   | 16   | 158    |
| 25X3/4"   | 56  | 26   | 38.6 | 3/4"   | 19   | 158    |
| 25X1"     | 56  | 26   | 47.4 | 1"     | 22   | 158    |
| 32X1/2"   | 65  | 33   | 31.6 | 1/2"   | 16   | 189    |
| 32X3/4"   | 65  | 33   | 38.6 | 3/4"   | 19   | 189    |
| 32X1"     | 65  | 33   | 47.4 | 1"     | 22   | 189    |
| 40X1 1/4" | 80  | 41   | 62.0 | 1 1/4" | 24   | 239    |
| 50X1"     | 92  | 51   | 47.4 | 1"     | 22   | 262    |
| 50X1 1/2" | 92  | 51   | 67.0 | 1 1/2" | 24   | 262    |
| 50X2"     | 92  | 51   | 81.2 | 2"     | 28   | 262    |
| 63X1"     | 114 | 64   | 47.4 | 1"     | 22   | 303    |
| 63X2"     | 114 | 64   | 81.2 | 2"     | 28   | 303    |
| 75X2 1/2" | 128 | 76   | 105  | 2 1/2" | 33   | 365    |
| 90X3"     | 152 | 91   | 126  | 3"     | 35   | 420    |
| 110X3"    | 182 | 111  | 126  | 3"     | 35   | 482    |
| 110X4"    | 182 | 111  | 157  | 4"     | 40   | 482    |



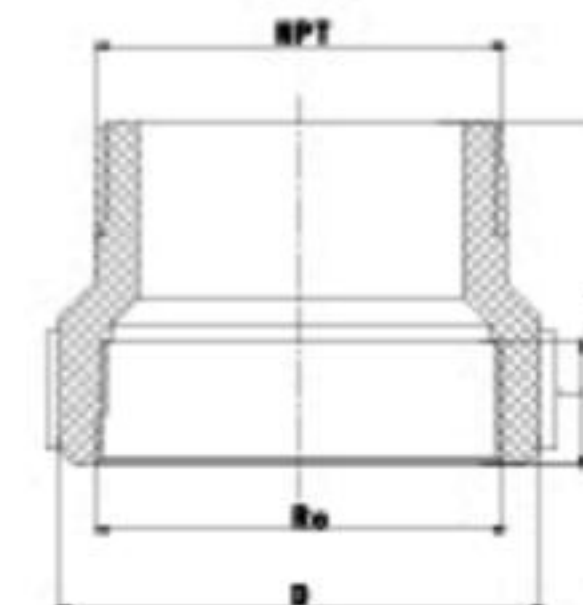
ITEM NO:PT007

### MALE THREAD TEE

| Nom Size  | D   | d   | D1 | R      | L1 | L   |
|-----------|-----|-----|----|--------|----|-----|
| 20X1/2"   | 44  | 21  | 12 | 1/2"   | 14 | 125 |
| 20X3/4"   | 44  | 21  | 16 | 3/4"   | 16 | 125 |
| 25X1/2"   | 56  | 26  | 12 | 1/2"   | 14 | 158 |
| 25X3/4"   | 56  | 26  | 16 | 3/4"   | 16 | 158 |
| 32X1/2"   | 65  | 33  | 12 | 1/2"   | 14 | 189 |
| 32X1"     | 65  | 33  | 22 | 1"     | 19 | 189 |
| 40X1 1/4" | 80  | 41  | 30 | 1 1/4" | 21 | 239 |
| 40X1 1/2" | 80  | 41  | 34 | 1 1/2" | 21 | 239 |
| 50X1 1/2" | 92  | 51  | 34 | 1 1/2" | 21 | 262 |
| 50X2"     | 92  | 51  | 46 | 2"     | 26 | 262 |
| 63X2"     | 114 | 64  | 46 | 2"     | 26 | 303 |
| 75X2 1/2" | 128 | 76  | 59 | 2 1/2" | 30 | 365 |
| 90X3"     | 152 | 91  | 70 | 3"     | 33 | 420 |
| 90X4"     | 152 | 91  | 89 | 4"     | 38 | 420 |
| 110X4"    | 182 | 111 | 89 | 4"     | 38 | 482 |

### FEMALE THREAD SOCKET

| Nom Size  | D   | d    | D1   | G      | L    | h     |
|-----------|-----|------|------|--------|------|-------|
| 16X1/2"   | 38  | 18.3 | 29.7 | 1/2"   | 15.8 | 59.29 |
| 20X1/2"   | 44  | 21   | 31.6 | 1/2"   | 16   | 75    |
| 20X3/4"   | 44  | 21   | 38.6 | 3/4"   | 19   | 78    |
| 25X1/2"   | 56  | 26   | 31.6 | 1/2"   | 16   | 92    |
| 25X3/4"   | 56  | 26   | 38.6 | 3/4"   | 19   | 95    |
| 25X1"     | 56  | 26   | 47.4 | 1"     | 22   | 98    |
| 32X3/4"   | 65  | 33   | 38.6 | 3/4"   | 19   | 107   |
| 32X1"     | 65  | 33   | 47.4 | 1"     | 22   | 110   |
| 40X1 1/4" | 80  | 41   | 62   | 1 1/4" | 24   | 137   |
| 50X1 1/4" | 92  | 51   | 62   | 1 1/4" | 24   | 151   |
| 50X1 1/2" | 92  | 51   | 67   | 1 1/2" | 24   | 151   |
| 50X2"     | 92  | 51   | 81.2 | 2"     | 28   | 155   |
| 63X1 1/2" | 114 | 64   | 67   | 1 1/2" | 24   | 161   |
| 63X2"     | 114 | 64   | 81.2 | 2"     | 28   | 165   |
| 75X2"     | 128 | 76   | 81.2 | 2"     | 28   | 188   |
| 75X2 1/2" | 128 | 76   | 105  | 2 1/2" | 33   | 193   |
| 75X3"     | 128 | 76   | 126  | 3"     | 35   | 195   |
| 90X2 1/2" | 152 | 91   | 105  | 2 1/2" | 33   | 212   |
| 90X3"     | 152 | 91   | 126  | 3"     | 35   | 214   |
| 90X4"     | 152 | 91   | 157  | 4"     | 40   | 219   |
| 110X2"    | 182 | 111  | 81.2 | 2"     | 28   | 228   |
| 110X3"    | 182 | 111  | 126  | 3"     | 35   | 235   |
| 110X4"    | 182 | 111  | 157  | 4"     | 40   | 240   |

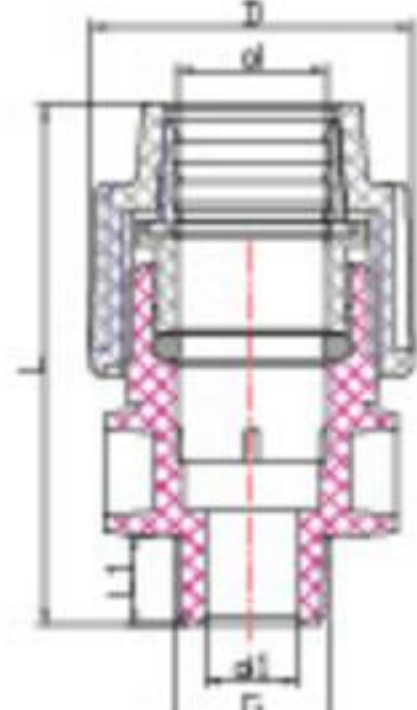


ITEM NO:PEC01

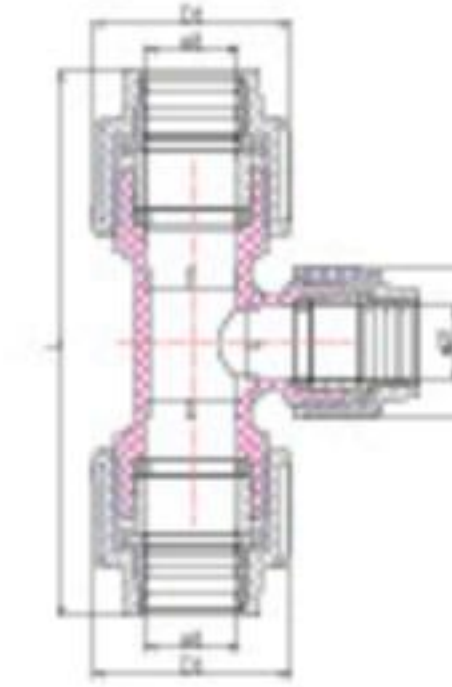
### BSPT&NPT THREAD TRANSFER SOCKET

| Nom Size | D     | Rc     | NPT    | I  | H    |
|----------|-------|--------|--------|----|------|
| 2 1/2"   | 90.4  | 2 1/2" | 2 1/2" | 34 | 87.5 |
| 3"       | 104.4 | 3"     | 3"     | 35 | 95.3 |
| 4"       | 134   | 4"     | 4"     | 35 | 97   |





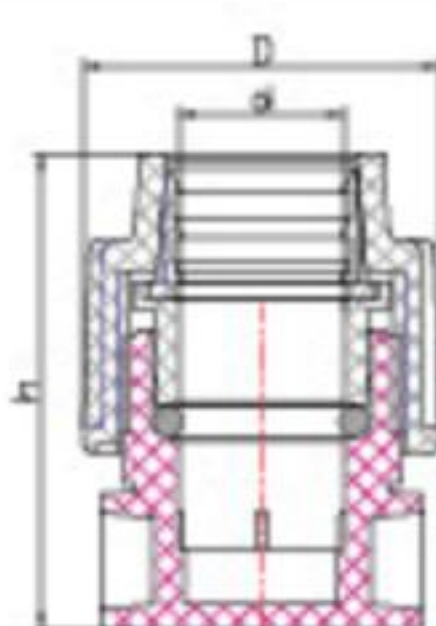
ITEM NO:PT009



ITEM NO:PT010

### MALE THREAD SOCKET

| Nom Size  | D   | d    | d1 | R      | L1 | L     |
|-----------|-----|------|----|--------|----|-------|
| 16X1/2"   | 38  | 18.3 | 12 | 1/2"   | 14 | 57.49 |
| 20X1/2"   | 44  | 21   | 12 | 1/2"   | 14 | 73    |
| 20X3/4"   | 44  | 21   | 16 | 3/4"   | 16 | 75    |
| 20X1"     | 44  | 21   | 22 | 1"     | 19 | 78    |
| 25X1/2"   | 56  | 26   | 12 | 1/2"   | 14 | 90    |
| 25X3/4"   | 56  | 26   | 16 | 3/4"   | 16 | 92    |
| 25X1"     | 56  | 26   | 22 | 1"     | 19 | 95    |
| 32X3/4"   | 65  | 33   | 16 | 3/4"   | 16 | 104   |
| 32X1"     | 65  | 33   | 22 | 1"     | 19 | 107   |
| 32X1 1/4" | 65  | 33   | 30 | 1 1/4" | 21 | 109   |
| 40X1"     | 80  | 41   | 22 | 1"     | 19 | 132   |
| 40X1 1/4" | 80  | 41   | 30 | 1 1/4" | 21 | 135   |
| 40X1 1/2" | 80  | 41   | 34 | 1 1/2" | 21 | 135   |
| 50X1 1/4" | 92  | 51   | 30 | 1 1/4" | 21 | 148   |
| 50X1 1/2" | 92  | 51   | 34 | 1 1/2" | 21 | 148   |
| 50X2"     | 92  | 51   | 46 | 2"     | 26 | 153   |
| 63X1 1/2" | 114 | 64   | 34 | 1 1/2" | 21 | 158   |
| 63X2"     | 114 | 64   | 46 | 2"     | 26 | 163   |
| 75X2"     | 128 | 76   | 46 | 2"     | 26 | 186   |
| 75X2 1/2" | 128 | 76   | 59 | 2 1/2" | 30 | 190   |
| 75X3"     | 128 | 76   | 70 | 3"     | 33 | 193   |
| 90X2"     | 152 | 91   | 46 | 2"     | 26 | 205   |
| 90X2 1/2" | 152 | 91   | 59 | 2 1/2" | 30 | 209   |
| 90X3"     | 152 | 91   | 70 | 3"     | 33 | 212   |
| 90X4"     | 152 | 91   | 89 | 4"     | 38 | 217   |
| 110X2"    | 182 | 111  | 46 | 2"     | 26 | 226   |
| 110X3"    | 182 | 111  | 70 | 3"     | 33 | 233   |
| 110X4"    | 182 | 111  | 89 | 4"     | 38 | 238   |



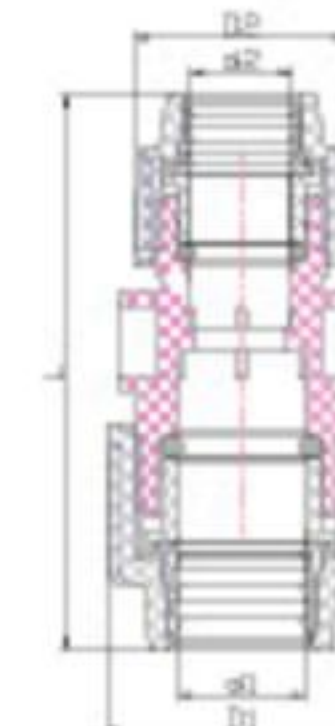
ITEM NO:PT013

### END CAP

| Nom Size | D   | d   | h   |
|----------|-----|-----|-----|
| 20       | 44  | 21  | 59  |
| 25       | 56  | 26  | 76  |
| 32       | 65  | 33  | 88  |
| 40       | 80  | 41  | 113 |
| 50       | 92  | 51  | 127 |
| 63       | 114 | 64  | 137 |
| 75       | 128 | 76  | 160 |
| 90       | 152 | 91  | 179 |
| 110      | 182 | 111 | 200 |

### REDUCING TEE

| Nom Size | D1  | d1  | D2  | d2 | L     |
|----------|-----|-----|-----|----|-------|
| 20X25    | 44  | 21  | 56  | 26 | 125   |
| 25X20    | 56  | 26  | 44  | 21 | 158   |
| 32X20    | 65  | 33  | 44  | 21 | 179.5 |
| 32X25    | 65  | 33  | 56  | 26 | 189   |
| 40X25    | 80  | 41  | 56  | 26 | 233   |
| 40X32    | 80  | 41  | 65  | 33 | 239   |
| 50X25    | 92  | 51  | 56  | 26 | 256.3 |
| 50X32    | 92  | 51  | 65  | 33 | 262   |
| 50X40    | 92  | 51  | 80  | 41 | 262   |
| 63X32    | 114 | 64  | 65  | 33 | 285.2 |
| 63X50    | 114 | 64  | 92  | 51 | 303   |
| 75X50    | 128 | 76  | 92  | 51 | 352   |
| 75X63    | 128 | 76  | 114 | 64 | 365   |
| 90x63    | 152 | 91  | 114 | 64 | 408.2 |
| 90X75    | 152 | 91  | 128 | 76 | 420   |
| 110X90   | 182 | 111 | 152 | 91 | 482   |

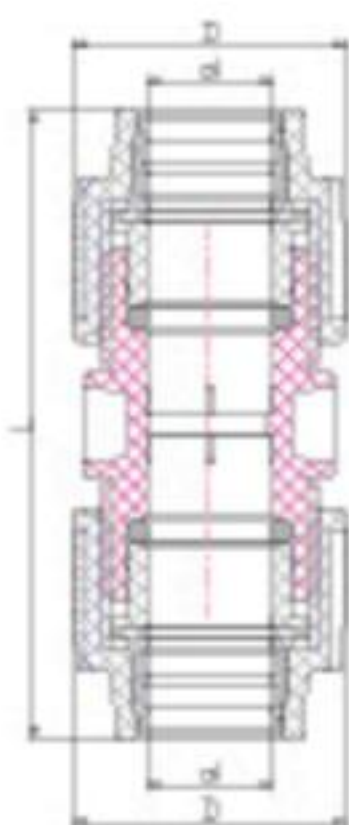


ITEM NO:PT011

### REDUCING SOCKET

| Nom Size | D1  | d1  | D2  | d2 | L   |
|----------|-----|-----|-----|----|-----|
| 25X20    | 56  | 26  | 44  | 21 | 117 |
| 32X20    | 65  | 33  | 44  | 21 | 129 |
| 32X25    | 65  | 33  | 56  | 26 | 143 |
| 40X25    | 80  | 41  | 56  | 26 | 168 |
| 40X32    | 80  | 41  | 65  | 33 | 174 |
| 50X32    | 92  | 51  | 65  | 33 | 188 |
| 50X40    | 92  | 51  | 80  | 41 | 207 |
| 63X32    | 114 | 64  | 65  | 33 | 198 |
| 63X50    | 114 | 64  | 92  | 51 | 227 |
| 75X50    | 128 | 76  | 92  | 51 | 250 |
| 75X63    | 128 | 76  | 114 | 64 | 256 |
| 90X63    | 152 | 91  | 114 | 64 | 275 |
| 90X75    | 152 | 91  | 128 | 76 | 295 |
| 110X90   | 182 | 111 | 152 | 91 | 332 |

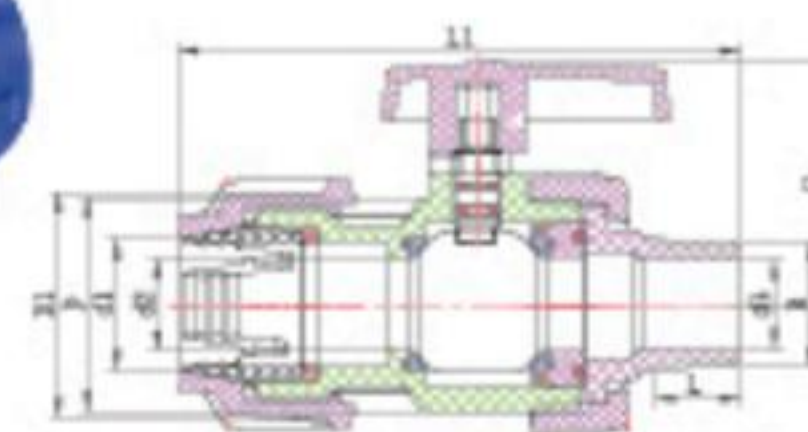




ITEM NO:PT012

## SOCKET

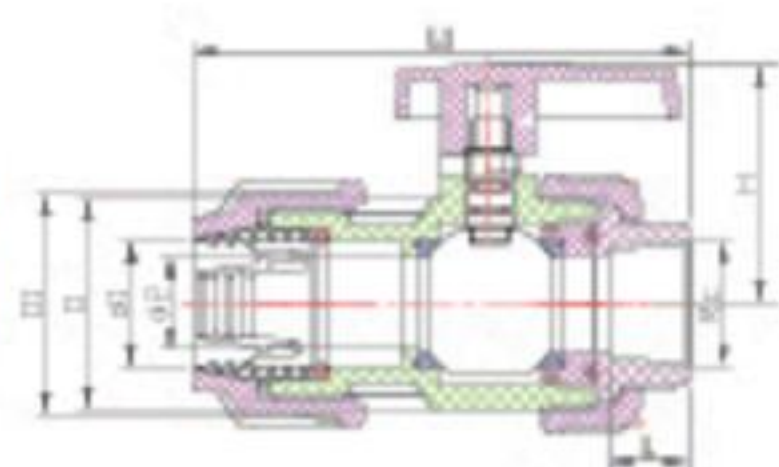
| Nom Size | D   | d    | L     |
|----------|-----|------|-------|
| 16       | 38  | 18.3 | 80.59 |
| 20       | 44  | 21   | 100   |
| 25       | 56  | 26   | 130   |
| 32       | 65  | 33   | 149   |
| 40       | 80  | 41   | 193   |
| 50       | 92  | 51   | 216   |
| 63       | 114 | 64   | 233   |
| 75       | 128 | 76   | 276   |
| 90       | 152 | 91   | 311   |
| 110      | 182 | 111  | 350   |



ITEM NO:PT016

## PP MALE UNION VALVE

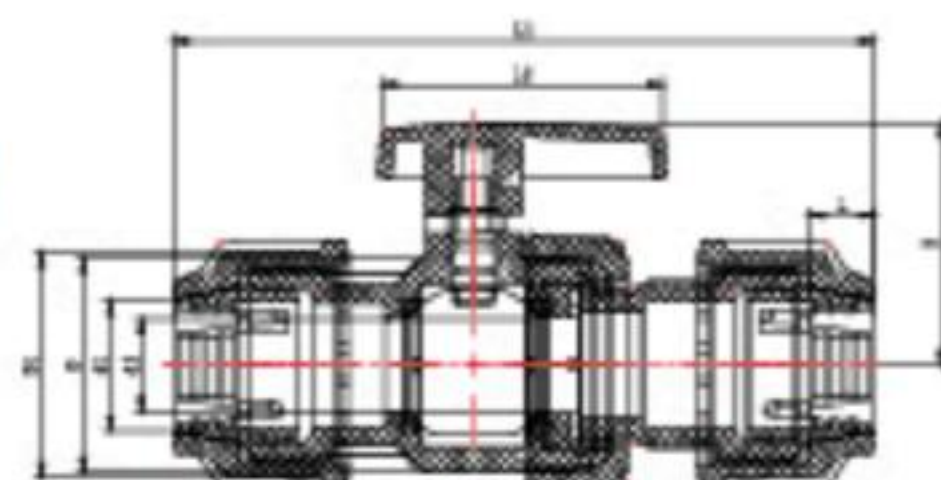
| Nom Size | d1   | d2 | D1    | D    | L    | L1     | d3   | R      | H    |
|----------|------|----|-------|------|------|--------|------|--------|------|
| 20       | 21.6 | 15 | 42.4  | 40   | 16   | 112.7  | 13.5 | 1/2"   | 47.4 |
| 25       | 26   | 22 | 49    | 48   | 17.5 | 127.32 | 18   | 3/4"   | 56.3 |
| 32       | 34   | 24 | 59    | 56   | 22   | 22     | 23   | 1"     | 63.4 |
| 40       | 41.1 | 32 | 71.5  | 63.7 | 23.1 | 196    | 28.8 | 1-1/4" | 75.2 |
| 50       | 52.4 | 40 | 85    | 76.5 | 23   | 216    | 35   | 1-1/2" | 84.4 |
| 63       | 65.9 | 50 | 104.5 | 95   | 27   | 246    | 46   | 2"     | 99.2 |



ITEM NO:PT017

## PP FEMALE UNION VALVE

| Nom Size | d1   | d2 | D1    | D    | L    | L1  | Rc     | L    |
|----------|------|----|-------|------|------|-----|--------|------|
| 20       | 21.6 | 15 | 42.4  | 40   | 16   | 104 | 1/2"   | 47.4 |
| 25       | 26   | 22 | 49    | 48   | 17.5 | 117 | 3/4"   | 56.3 |
| 32       | 34   | 24 | 59    | 56   | 22   | 131 | 1"     | 63.4 |
| 40       | 41.1 | 32 | 71.5  | 63.7 | 27.5 | 171 | 1-1/4" | 75.2 |
| 50       | 52.4 | 40 | 85    | 76.5 | 30.5 | 194 | 1-1/2" | 84.4 |
| 63       | 65.9 | 50 | 104.5 | 95   | 37.2 | 223 | 2"     | 99.2 |



ITEM NO:PT015

## COMPRESSION TRUE UNION BALL VALVE

| Nom Size | D    | D1    | d1   | d2 | L    | L1     | L2    | H    |
|----------|------|-------|------|----|------|--------|-------|------|
| 20       | 40   | 42.4  | 21.6 | 15 | 13.5 | 143.6  | 55.5  | 47.4 |
| 25       | 48   | 49    | 26   | 22 | 16   | 164.82 | 64    | 56.3 |
| 32       | 56   | 59    | 34   | 24 | 17   | 183.1  | 73.3  | 63.4 |
| 40       | 63.7 | 71.5  | 41.1 | 32 | 34.9 | 256    | 99.2  | 75.2 |
| 50       | 76.5 | 85    | 52.4 | 40 | 38.4 | 287    | 116.6 | 74.4 |
| 63       | 95   | 104.5 | 65.9 | 50 | 39.8 | 320    | 126.5 | 99.2 |



# Saddle clamps

## FEATURES

Material: PP

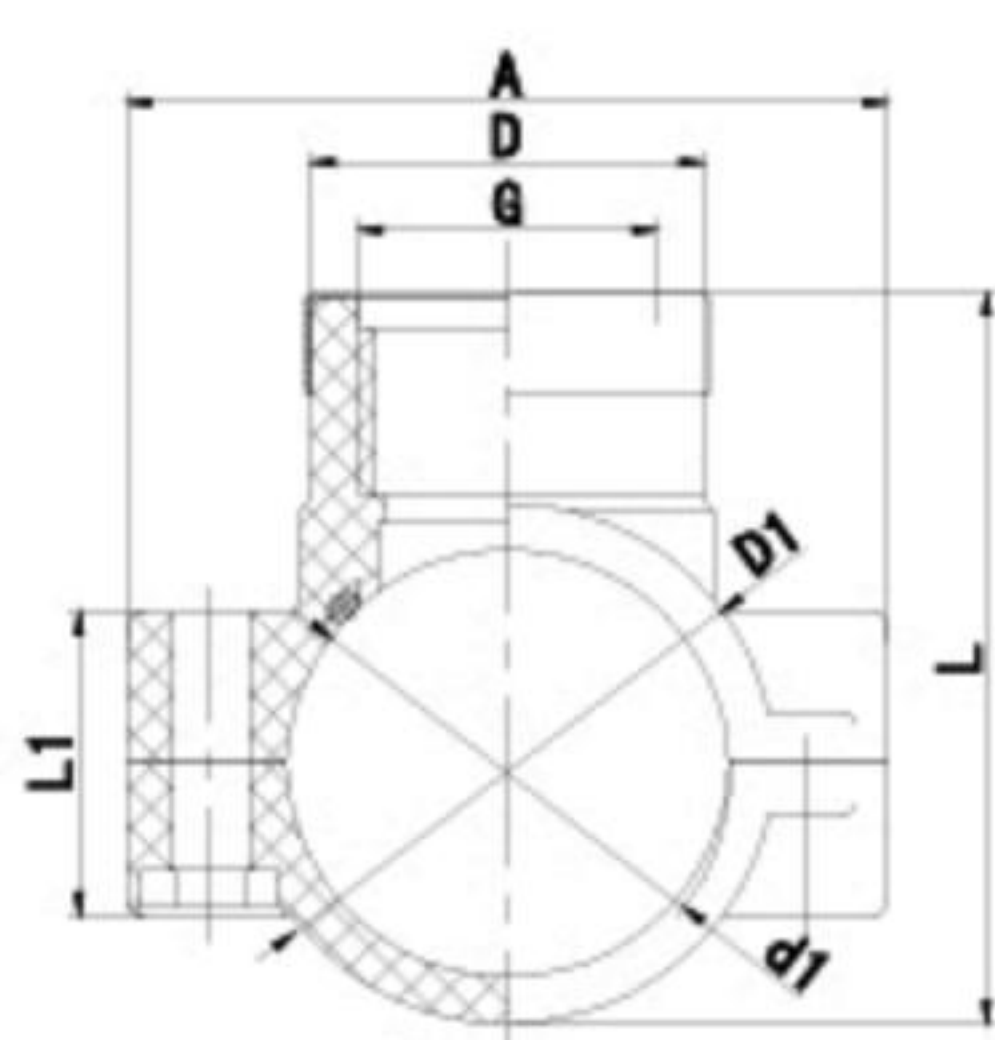
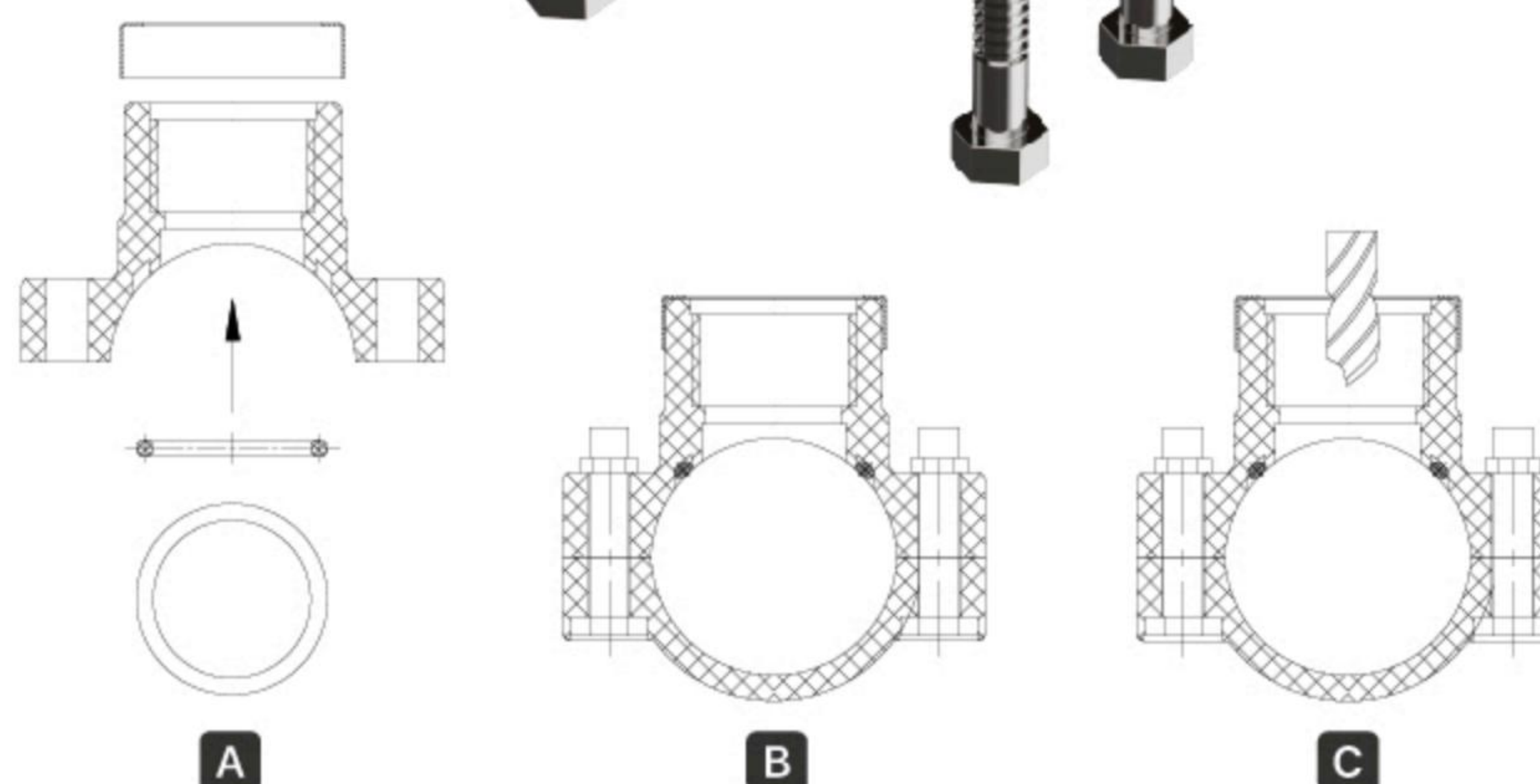
To be installed on pipes confirming to:

- PE: EN 12201 / ISO 3607 / ISO 14236 /  
DIN 8072 / DIN 8074 / UNI 10910
- PP: ISO 3609 / DIN 8077 / UNI 8318
- PVC-U: EN 1452-2

| Fig. | Parts          | Material          |
|------|----------------|-------------------|
| 1    | Upper Body     | PP                |
| 2    | Lower Body     | PP                |
| 3    | Bolts and Nuts | Zinc Plated Steel |
| 4    | O-Ring         | NBR               |
| 5    | Reinforce Ring | Stainless Steel   |

## ASSEMBLY

- A** Clean the external surface of the pipe  
Be sure that the O-Ring is in its position.
- B** Couple the upper portion of the saddle  
with the lower one on the pipe.  
Insert the bolts, screw in the nuts and  
tighten the bolts diagonally opposite  
each other.
- C** Drill a hole in the pipe wall. Do not damage  
the O-Ring or the pipe near the seal zone.  
Use the right tools.



| Nom Size  | D    | G      | D1   | d1 | L1 | L     | A      | Nom Size   | D    | G      | D1    | d1  | L1   | L     | A     |
|-----------|------|--------|------|----|----|-------|--------|------------|------|--------|-------|-----|------|-------|-------|
| 25X1/2"   | 31   | 1/2"   | 34   | 25 | 26 | 50    | 76     | 90X1 1/4"  | 53   | 1 1/4" | 105   | 90  | 44   | 129   | 138   |
| 25X3/4"   | 37   | 3/4"   | 34   | 25 | 26 | 52    | 76     | 90X1 1/2"  | 61.6 | 1 1/2" | 105   | 90  | 44   | 129   | 138   |
| 32X1/2"   | 31   | 1/2"   | 41   | 32 | 27 | 51    | 78     | 90X2"      | 74   | 2"     | 105   | 90  | 44   | 129   | 138   |
| 32X3/4"   | 37   | 3/4"   | 41   | 32 | 27 | 53    | 78     | 110X1/2"   | 31   | 1/2"   | 126.4 | 110 | 37.2 | 142   | 158   |
| 32X1"     | 44   | 1"     | 41   | 32 | 27 | 56    | 84     | 110X3/4"   | 37   | 3/4"   | 126.4 | 110 | 37.2 | 142.2 | 158   |
| 40X1/2"   | 37   | 1/2"   | 50   | 40 | 32 | 66    | 85     | 110X1"     | 44   | 1"     | 126.4 | 110 | 37.0 | 147.2 | 158   |
| 40X3/4"   | 37   | 3/4"   | 50   | 40 | 32 | 68.5  | 85     | 110X1 1/2" | 61.6 | 1 1/2" | 126.4 | 110 | 37.2 | 148.7 | 158   |
| 40X1"     | 44   | 1"     | 50   | 40 | 32 | 71.5  | 85     | 110X1 1/4" | 53   | 1 1/4" | 126.4 | 110 | 37.2 | 148.7 | 158   |
| 50X1/2"   | 44   | 1/2"   | 60   | 50 | 34 | 76    | 85     | 110X2"     | 73.4 | 2"     | 126.3 | 110 | 37.2 | 147.2 | 158   |
| 50X3/4"   | 44   | 3/4"   | 60   | 50 | 34 | 78    | 85.5   | 110X3"     | 104  | 3"     | 126.4 | 110 | 37.2 | 158.7 | 158   |
| 50X1"     | 44   | 1"     | 60   | 50 | 34 | 81.4  | 85.5   | 125x1/2"   | 31   | 1/2"   | 142.8 | 125 | 37.2 | 160.2 | 175   |
| 50X1 1/4" | 53   | 1 1/4" | 60   | 50 | 34 | 85    | 85.5   | 125x3/4"   | 37   | 3/4"   | 142.8 | 125 | 37.2 | 160.4 | 175   |
| 63X1/2"   | 31   | 1/2"   | 74.2 | 63 | 36 | 90.2  | 96     | 125x1"     | 44   | 1"     | 143   | 125 | 32.2 | 164   | 175   |
| 63X3/4"   | 37   | 3/4"   | 74.2 | 63 | 36 | 92.2  | 100    | 125x1 1/2" | 62   | 1 1/2" | 142.8 | 125 | 37.2 | 164.4 | 175   |
| 63X1"     | 44   | 1"     | 74.2 | 63 | 36 | 97.0  | 100    | 125x2"     | 74.5 | 2"     | 142.8 | 125 | 37.2 | 165.2 | 175   |
| 63X1 1/4" | 53   | 1 1/4" | 74.2 | 63 | 36 | 98.2  | 100    | 140x3/4"   | 37   | 3/4"   | 159.2 | 140 | 37.2 | 178.1 | 192   |
| 63X1 1/2" | 61.6 | 1 1/2" | 74.2 | 63 | 36 | 98.2  | 100    | 140x1 1/2" | 65   | 1 1/2" | 159.2 | 140 | 37.2 | 184.6 | 192   |
| 75X1/2"   | 31   | 1/2"   | 89   | 75 | 45 | 105   | 100    | 140x2"     | 74.5 | 2"     | 159.2 | 140 | 37.2 | 188.8 | 192   |
| 75X3/4"   | 37   | 3/4"   | 89   | 75 | 45 | 107   | 117.6  | 160X1/2"   | 31   | 1/2"   | 181   | 160 | 51   | 200.5 | 211   |
| 75X1"     | 44   | 1"     | 90.2 | 75 | 45 | 108   | 117.6  | 160X1"     | 44   | 1"     | 181   | 160 | 51   | 200.5 | 211   |
| 75X1 1/4" | 53   | 1 1/4" | 89   | 75 | 45 | 110.5 | 117.6  | 160X2"     | 73.4 | 2"     | 181   | 160 | 51   | 200.5 | 211   |
| 75X1 1/2" | 61.6 | 1 1/2" | 89   | 75 | 45 | 108   | 117.6  | 160X3"     | 104  | 3"     | 181   | 160 | 51   | 212   | 211   |
| 75X2"     | 74   | 2"     | 89   | 75 | 45 | 112.5 | 117.57 | 160X4"     | 133  | 4"     | 181   | 160 | 51   | 220   | 211   |
| 90X1/2"   | 31.2 | 1/2"   | 105  | 90 | 44 | 121   | 117.6  | 200X2"     | 73.4 | 2"     | 222.6 | 200 | 57.6 | 244.9 | 265   |
| 90X3/4"   | 37   | 3/4"   | 105  | 90 | 44 | 123   | 138    | 200X3"     | 104  | 3"     | 181   | 200 | 57.6 | 265.2 | 255.3 |
| 90X1"     | 44   | 1"     | 105  | 90 | 44 | 126   | 138    | 200X4"     | 133  | 4"     | 222.6 | 200 | 57.6 | 262.1 | 265.2 |

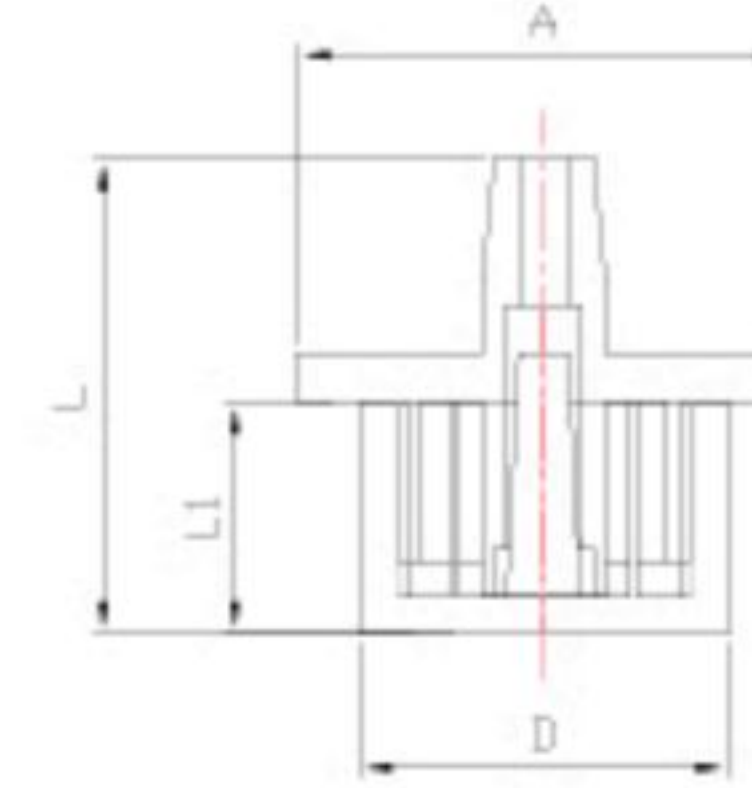




ITEM NO:PT014

### FLANGE

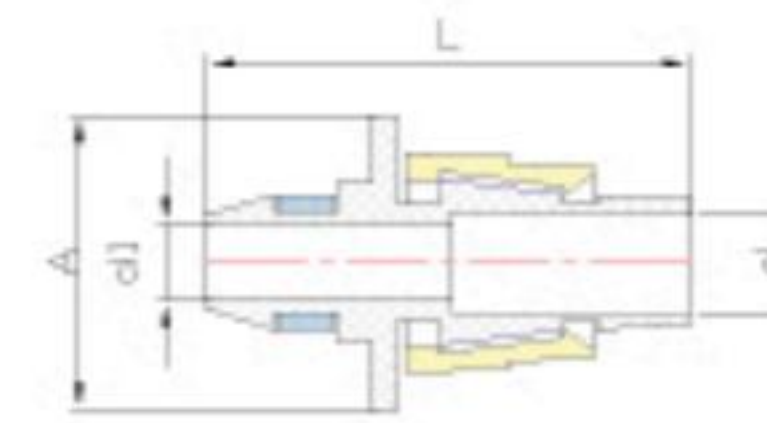
| Nom Size  |           |       |       |           |
|-----------|-----------|-------|-------|-----------|
| 40X1 1/2" | 50X1 1/2" | 50X2" | 63X2" | 63X2 1/2" |
| 75X2 1/2" | 75X3"     | 90X3" | 90X4" | 110X4"    |



ITEM NO:PI001

### ADJUSTABLE DRIPPER

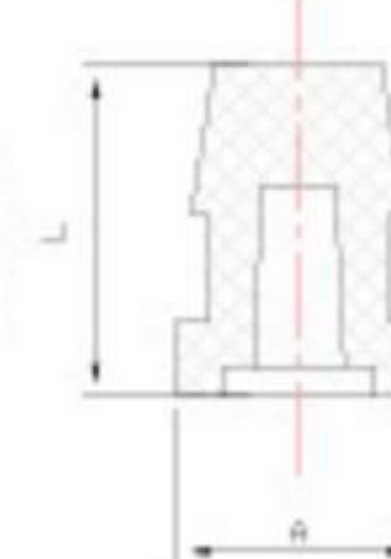
| Nom Size | D1 | A  | L1  | L    |
|----------|----|----|-----|------|
| 15       |    | 20 | 9.5 | 20.5 |



ITEM NO:PI004

### IRRIGATION FITTING

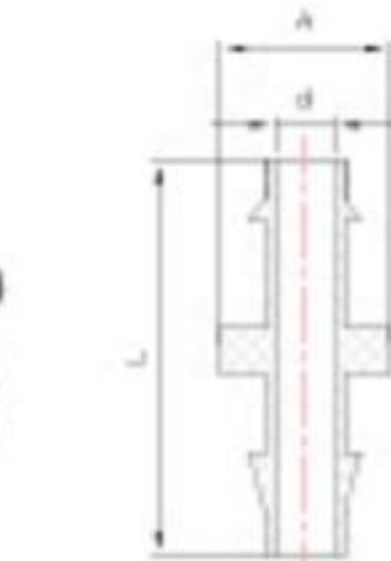
| Nom Size | d  | d1 | A  | L  |
|----------|----|----|----|----|
| 16       | 12 | 9  | 35 | 57 |



ITEM NO:PI005

### PP IRRIGATION CAP L

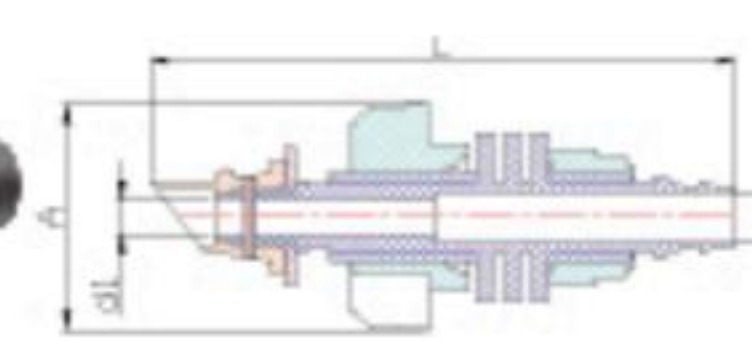
| Nom Size | A | L  |
|----------|---|----|
| 8        |   | 11 |



ITEM NO:PI006

### PP IRRIGATION CAP II

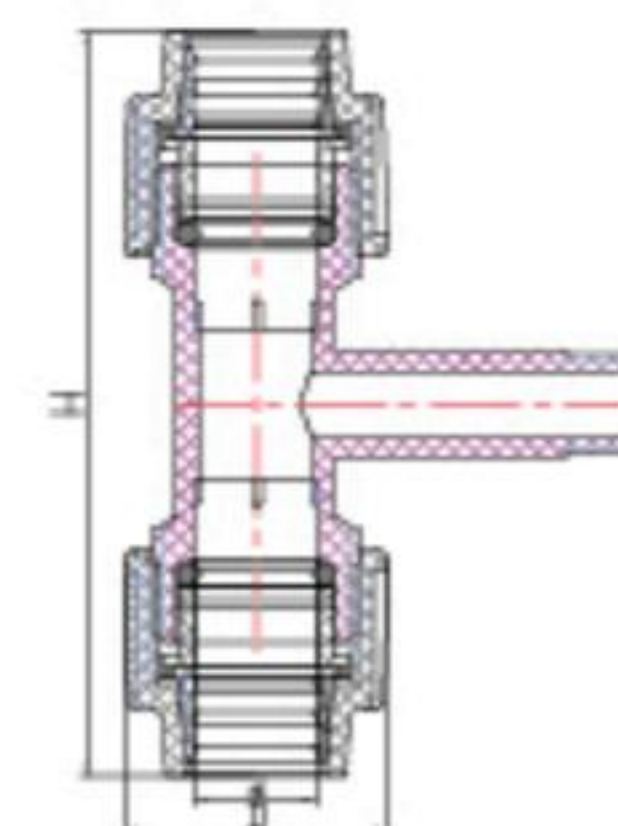
| Nom Size | d | A   | L  |
|----------|---|-----|----|
| 6        |   | 8.5 | 20 |



ITEM NO:PI007

### IRRIGATION ROLLING FITTING

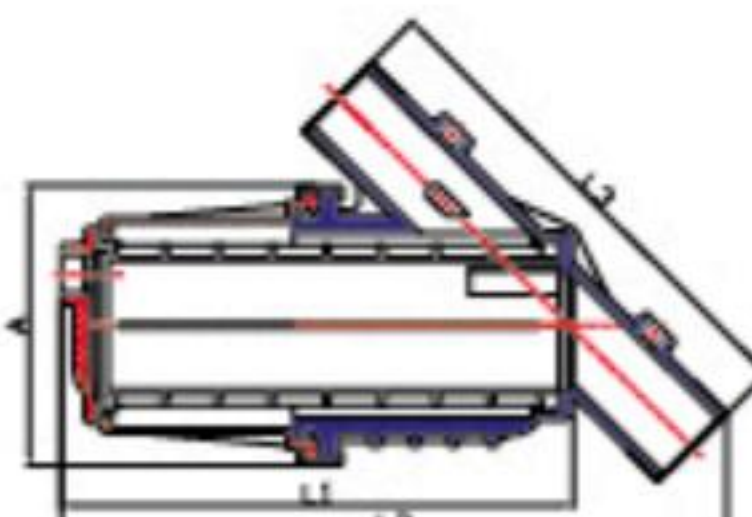
| Nom Size | d  | d1 | A  | L   |
|----------|----|----|----|-----|
| 16       | 11 | 7  | 46 | 118 |



ITEM NO: PT014

### LONG MALE TEE

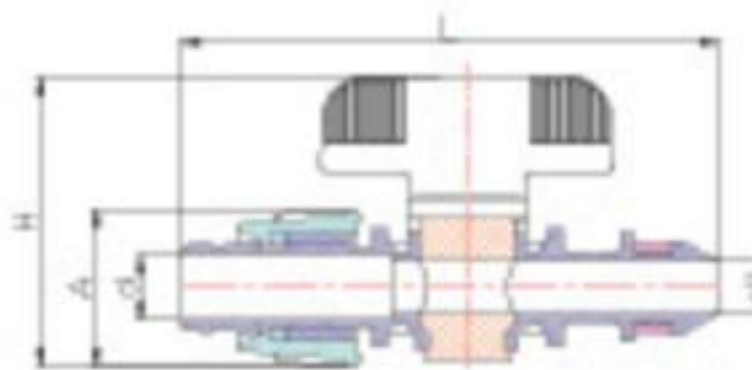
| Nom Size | D  | d  | H      | Rc   |
|----------|----|----|--------|------|
| 25X1/2"  | 56 | 26 | 158.22 | 1/2" |



ITEM NO:PI002

### IRRIGATION FILTER

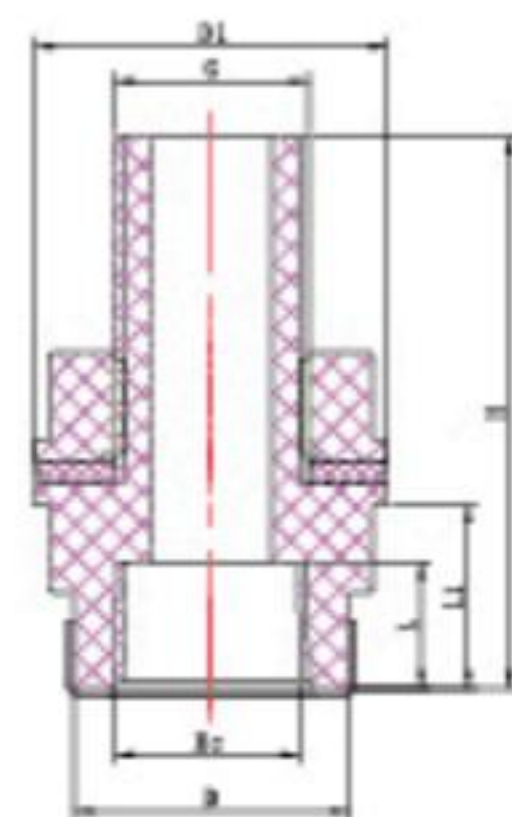
| Nom Size | A   | L1  | L2  | L3  |
|----------|-----|-----|-----|-----|
| 63       | 175 | 318 | 414 | 312 |



ITEM NO:PI003

### IRRIGATION VALVE

| Nom Size | d  | d1 | A  | H  | L  |
|----------|----|----|----|----|----|
| 16       | 12 | 10 | 29 | 53 | 96 |

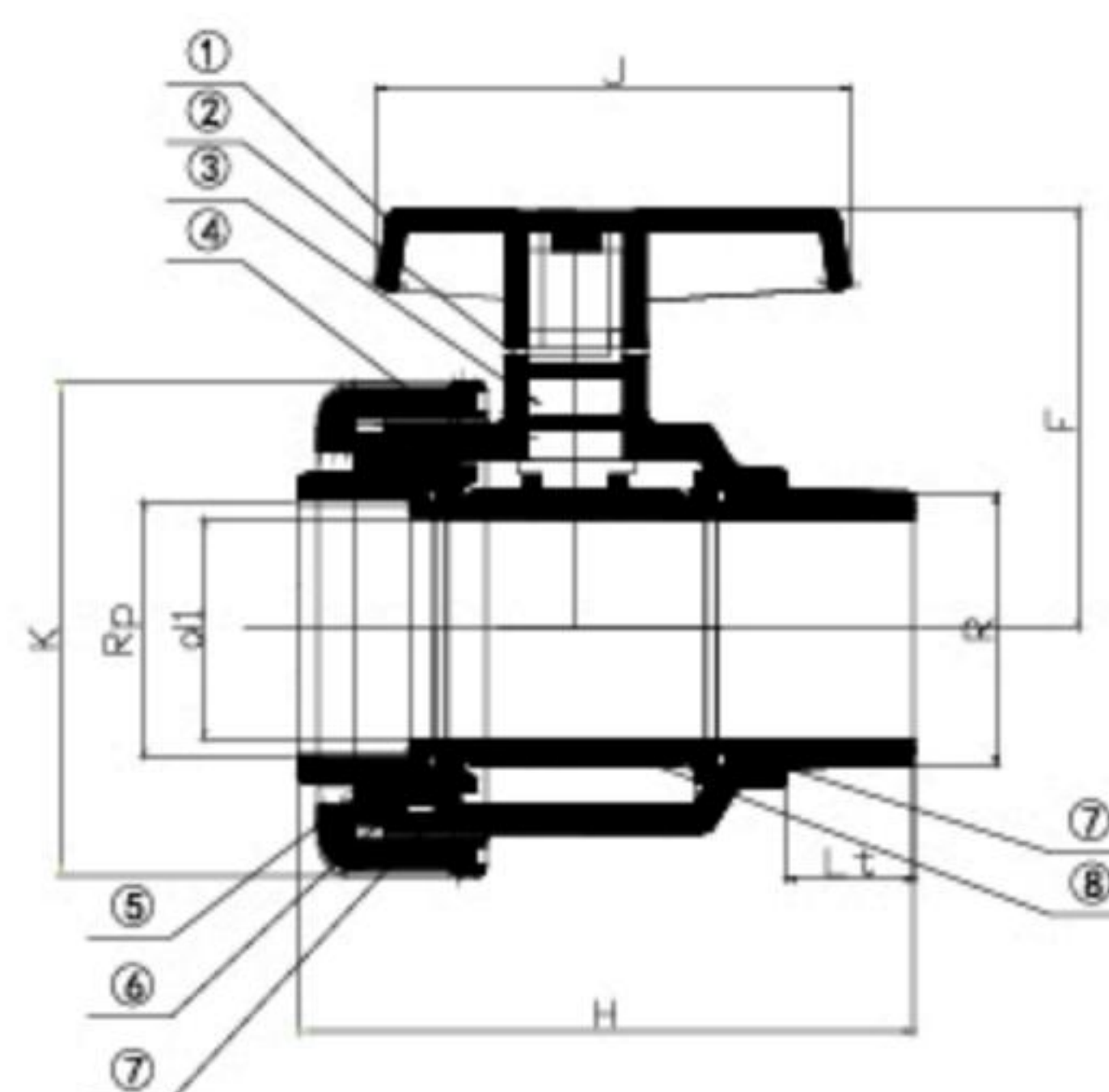


ITEM NO:PTC01

### TANK CONNECTOR

| Nom Size | Rc     | D  | D1   | L    | L1    | H     | G      |
|----------|--------|----|------|------|-------|-------|--------|
| 1/2"     | 1/2"   | 40 | 45   | 15   | 20    | 70    | 1/2"   |
| 3/4"     | 3/4"   | 44 | 48   | 17.6 | 25.36 | 76    | 3/4"   |
| 1"       | 1"     | 55 | 60   | 22   | 31.7  | 95    | 1"     |
| 1 1/4"   | 1 1/4" | 70 | 75.5 | 27   | 35.6  | 121   | 1 1/4" |
| 1 1/2"   | 1 1/2" | 72 | 78   | 27.5 | 37.7  | 129   | 1 1/2" |
| 2"       | 2"     | 86 | 93   | 31   | 43.7  | 157.5 | 2"     |
| 3"       | 3"     | 90 | 99   | 35   | 46    | 162   | 3"     |





ITEM NO: UMF01

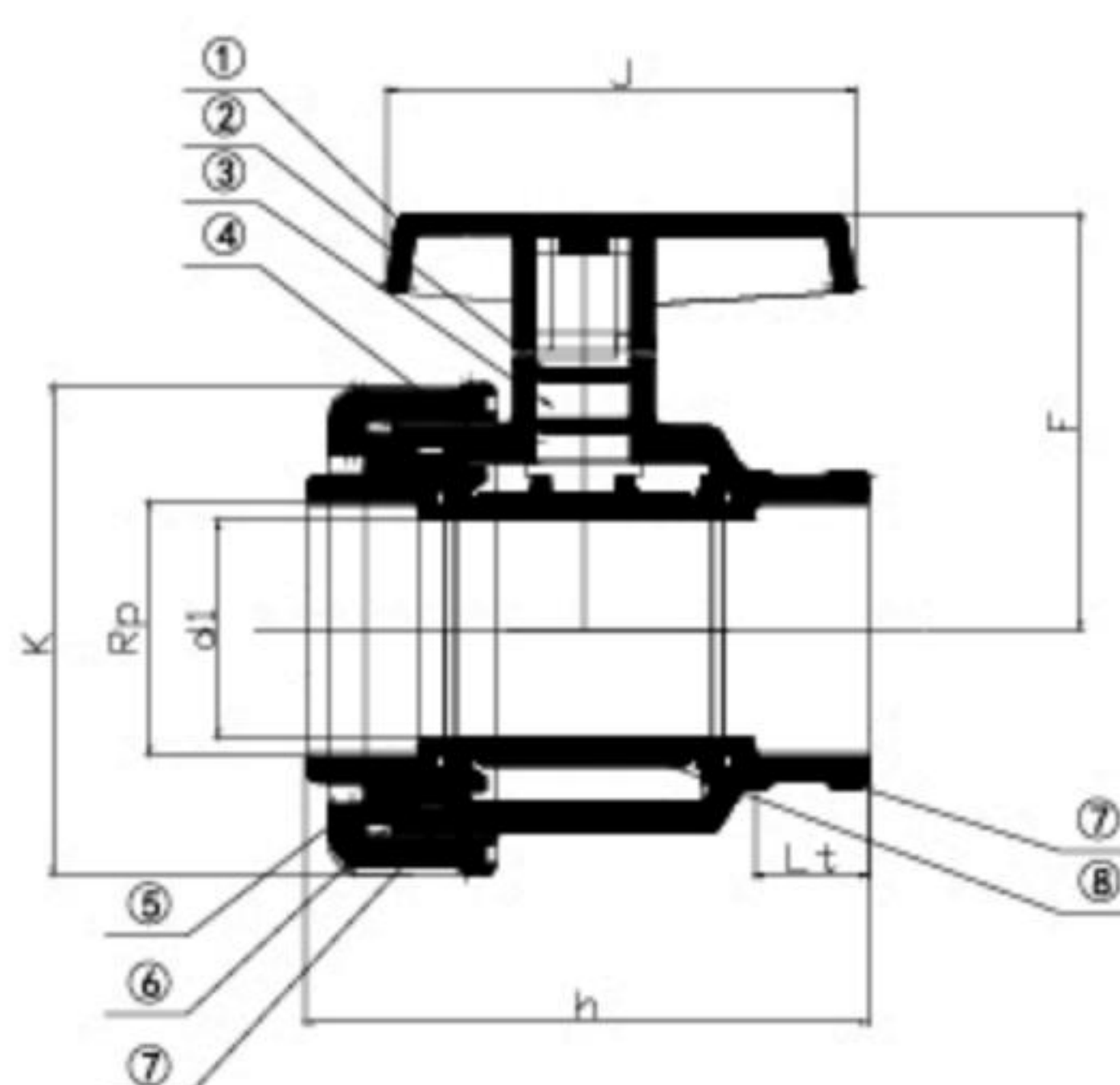
### ● SINGLE UNION BALL VALVE M/F

| NO. | PART        | MATERIAL | Q'TY |
|-----|-------------|----------|------|
| 1   | Handle      | PVC PP   | 1    |
| 2   | Stem O-Ring | EPDM     | 2    |
| 3   | Stem        | PVC PP   | 1    |
| 4   | Union Nut   | PVC PP   | 1    |

| NO. | PART           | MATERIAL | Q'TY |
|-----|----------------|----------|------|
| 5   | End Connector  | PVC PP   | 1    |
| 6   | Seal Seat      | TPE      | 2    |
| 7   | Carrier O Ring | EPDM     | 1    |
| 8   | Ball           | PVC PP   | 1    |

### ● SINGLE UNION BALL VALVE M/F

| Nom Size      | DN  | Lt | H   | F   | J   | K   | d1 |
|---------------|-----|----|-----|-----|-----|-----|----|
| 3/4"X3/4"     | 20  | 16 | 80  | 58  | 65  | 59  | 19 |
| 1"X1"         | 25  | 17 | 90  | 67  | 75  | 67  | 23 |
| 1 1/4"X1 1/4" | 32  | 21 | 106 | 76  | 85  | 79  | 32 |
| 1 1/2"X1 1/2" | 40  | 24 | 126 | 83  | 94  | 93  | 39 |
| 2"X2"         | 50  | 26 | 145 | 101 | 109 | 114 | 46 |
| 2 1/2"X2 1/2" | 65  | 28 | 177 | 127 | 138 | 144 | 64 |
| 3"X3"         | 80  | 35 | 204 | 143 | 158 | 168 | 76 |
| 4"X4"         | 100 | 37 | 250 | 169 | 180 | 210 | 97 |



ITEM NO: UFF01

### ● SINGLE UNION BALL VALVE F/F

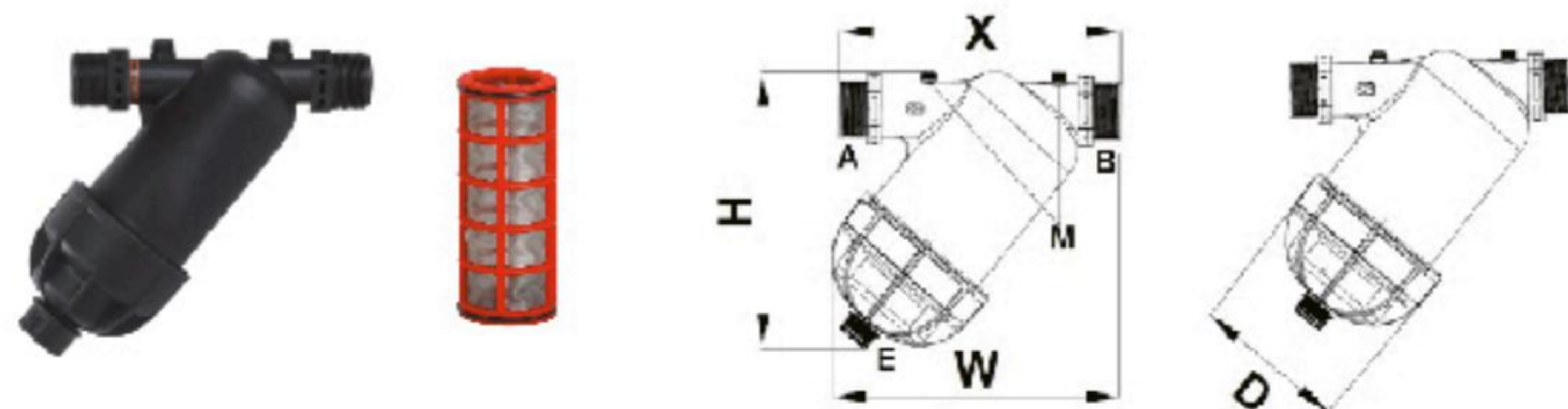
| NO. | PART        | MATERIAL | Q'TY |
|-----|-------------|----------|------|
| 1   | Handle      | PVC PP   | 1    |
| 2   | Stem O-Ring | EPDM     | 2    |
| 3   | Stem        | PVC PP   | 1    |
| 4   | Union Nut   | PVC PP   | 1    |

| NO. | PART           | MATERIAL | Q'TY |
|-----|----------------|----------|------|
| 5   | End Connector  | PVC PP   | 1    |
| 6   | Seal Seat      | TPE      | 2    |
| 7   | Carrier O Ring | EPDM     | 1    |
| 8   | Ball           | PVC PP   | 1    |

### ● SINGLE UNION BALL VALVE M/F

| Nom Size      | DN  | Lt | H   | F   | J   | K   | d1 |
|---------------|-----|----|-----|-----|-----|-----|----|
| 3/4"X3/4"     | 20  | 20 | 81  | 58  | 65  | 59  | 19 |
| 1"X1"         | 25  | 22 | 91  | 67  | 75  | 67  | 23 |
| 1 1/4"X1 1/4" | 32  | 25 | 101 | 76  | 85  | 79  | 32 |
| 1 1/2"X1 1/2" | 40  | 25 | 109 | 83  | 94  | 93  | 39 |
| 2"X2"         | 50  | 29 | 135 | 101 | 109 | 114 | 46 |
| 2 1/2"X2 1/2" | 65  | 36 | 177 | 127 | 138 | 144 | 64 |
| 3"X3"         | 80  | 36 | 180 | 143 | 158 | 168 | 76 |
| 4"X4"         | 100 | 49 | 228 | 169 | 180 | 210 | 97 |





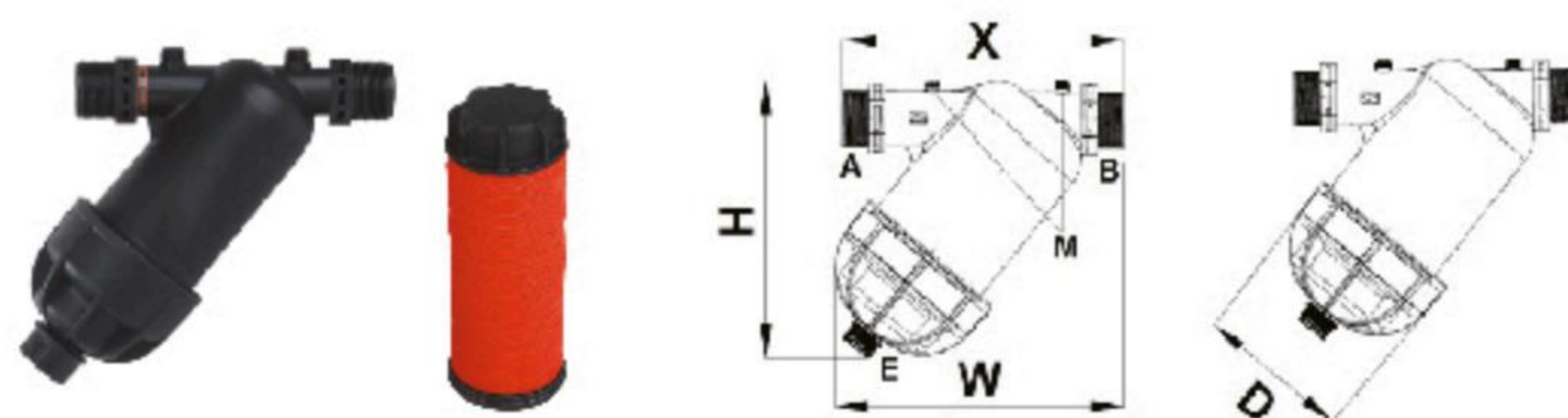
ITEM NO: FLT6001

## Y SCREEN FILTER

| DIMENSIONS / mm |            |     |     |     |     |
|-----------------|------------|-----|-----|-----|-----|
| MODEL           | A-B        | H   | W   | X   | D   |
| 3/4"            | 3/4" BSP   | 173 | 185 | 158 | 83  |
| 1"              | 1" BSP     | 173 | 190 | 168 | 83  |
| 1 1/2" SUPER    | 1 1/2" BSP | 246 | 261 | 252 | 143 |
| 2"              | 2" BSP     | 255 | 272 | 263 | 143 |

- MAXIMUM PRESSURE 8 BAR/116 PSI; MAXIMUM TEMPRETURE 60°C / 140F
- PERFORMANCE DATA

| size   | connector  | max recommended flow |         | filter surface |        |
|--------|------------|----------------------|---------|----------------|--------|
| 3/4"   | 3/4" BSP   | 5 M3/H               | 22 GPM  | 160 CM2        | 25 IN2 |
| 1"     | 1" BSP     | 6 M3/H               | 26 GPM  | 160 CM2        | 25 IN2 |
| 1 1/2" | 1 1/2" BSP | 20 M3/H              | 88 GPM  | 490 CM2        | 76 IN2 |
| 2"     | 2" BSP     | 25 M3/H              | 110 GPM | 485 Cm2        | 75 In2 |



ITEM NO: FLT6003

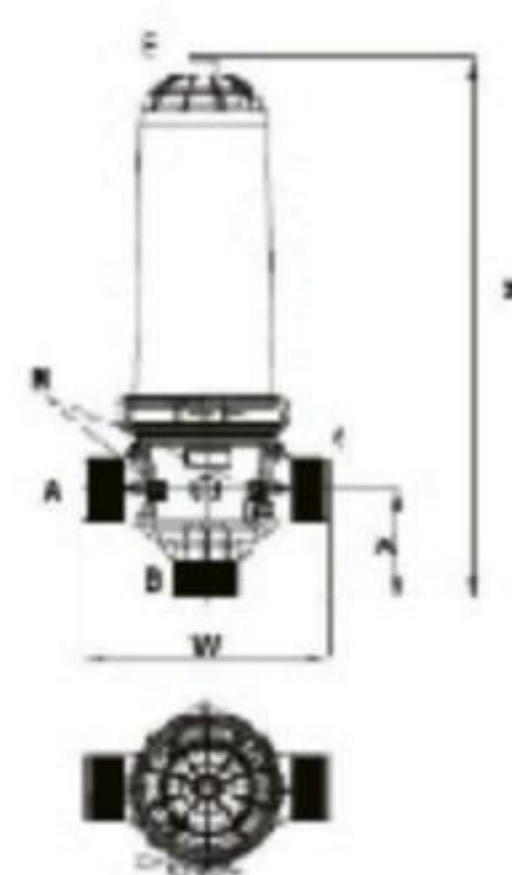
## Y DISC FILTER

| DIMENSIONS / mm |            |     |     |     |     |
|-----------------|------------|-----|-----|-----|-----|
| MODEL           | A-B        | H   | W   | X   | D   |
| 3/4"            | 3/4" BSP   | 173 | 185 | 158 | 83  |
| 1"              | 1" BSP     | 173 | 190 | 168 | 83  |
| 1 1/2" SUPER    | 1 1/2" BSP | 246 | 261 | 252 | 143 |
| 2"              | 2" BSP     | 255 | 272 | 263 | 143 |

- MAXIMUM PRESSURE 8 BAR/116 PSI; MAXIMUM TEMPRETURE 60°C / 140F
- PERFORMANCE DATA

| size   | connector  | max recommended flow |         | filter surface |        |
|--------|------------|----------------------|---------|----------------|--------|
| 3/4"   | 3/4" BSP   | 5 M3/H               | 22 GPM  | 180 CM2        | 28 IN2 |
| 1"     | 1" BSP     | 6 M3/H               | 26 GPM  | 180 CM2        | 28 IN2 |
| 1 1/2" | 1 1/2" BSP | 20 M3/H              | 88 GPM  | 535 CM2        | 83 IN2 |
| 2"     | 2" BSP     | 25 M3/H              | 110 GPM | 525 Cm2        | 81 In2 |





ITEM NO: FLT6013

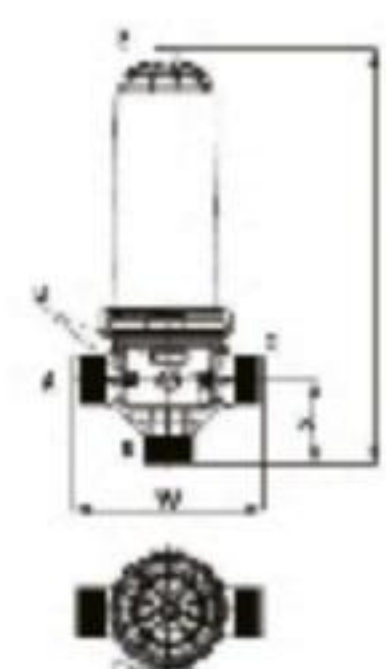
## SCREEN FILTER

| CONNECTOR | MODEL | CONNECTION |     |     | DIMENSIONS(mm) |     |     |
|-----------|-------|------------|-----|-----|----------------|-----|-----|
|           |       | A          | B   | C   | N              | W   | X   |
| 2" NORMAL | 2NR   | BSP        | BSP | BSP | 597            | 309 | 133 |
|           | 2NA   | NPT        | NPT | NPT |                |     |     |
|           | 2NV   | VIC        | VIC | BSP |                |     |     |
|           | 2NW   | VIC        | BSP | VIC |                |     |     |
| 2" SUPER  | 2SR   | BSP        | BSP | BSP | 721            | 309 | 133 |
|           | 2SA   | NPT        | NPT | NPT |                |     |     |
|           | 2SV   | VIC        | VIC | BSP |                |     |     |
|           | 2SW   | VIC        | BSP | VIC |                |     |     |
| 3" NORMAL | 3NR   | BSP        | BSP | BSP | 623            | 34  | 160 |
|           | 3NA   | NPT        | NPT | NPT |                |     |     |
|           | 3NV   | VIC        | VIC | BSP |                |     |     |
|           | 3NW   | VIC        | BSP | VIC |                |     |     |
| 3" SUPER  | 3SR   | BSP        | BSP | BSP | 747            | 340 | 160 |
|           | 3SA   | NPT        | NPT | NPT |                |     |     |
|           | 3SV   | VIC        | VIC | BSP |                |     |     |
|           | 3SW   | VIC        | BSP | VIC |                |     |     |

● PH>4 MAXIMUM PRESSURE 10 BAR/145 PSI; MAXIMUM TEMPRETURE 60°C / 140F

## PERFORMANCE DATA

| size         | connector | max recommended flow |         | filter surface |         |
|--------------|-----------|----------------------|---------|----------------|---------|
| 2"           | 2" BSP    | 30 M3/H              | 132 GPM | 815 CM2        | 126 IN2 |
| 2"super size | 2" BSP    | 30 M3/H              | 132 GPM | 1087 CM2       | 169 IN2 |
| 3"           | 3" BSP    | 30 M3/H              | 132 GPM | 1087 CM2       | 169 IN2 |
| 3"super size | 3" BSP    | 50 M3/H              | 220 GPM | 1087 Cm2       | 169 In2 |



ITEM NO: FLT6014

## DISC FILTER

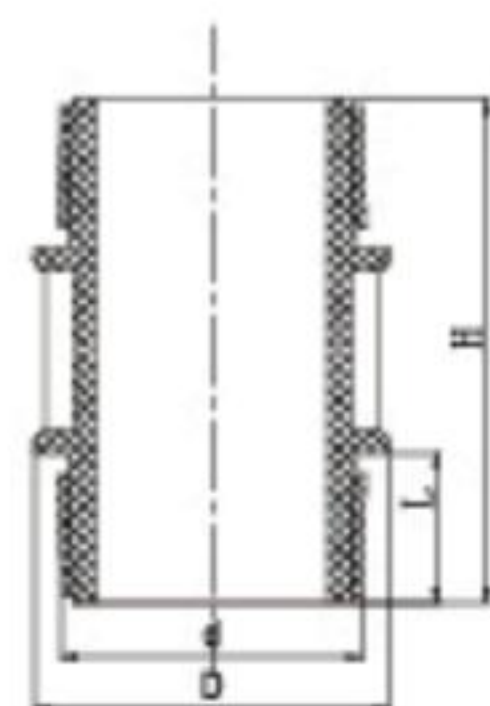
| CONNECTOR | MODEL | CONNECTION |     |     | DIMENSIONS(mm) |     |     |
|-----------|-------|------------|-----|-----|----------------|-----|-----|
|           |       | A          | B   | C   | N              | W   | X   |
| 2" NORMAL | 2NR   | BSP        | BSP | BSP | 597            | 309 | 133 |
|           | 2NA   | NPT        | NPT | NPT |                |     |     |
|           | 2NV   | VIC        | VIC | BSP |                |     |     |
|           | 2NW   | VIC        | BSP | VIC |                |     |     |
| 2" SUPER  | 2SR   | BSP        | BSP | BSP | 721            | 309 | 133 |
|           | 2SA   | NPT        | NPT | NPT |                |     |     |
|           | 2SV   | VIC        | VIC | BSP |                |     |     |
|           | 2SW   | VIC        | BSP | VIC |                |     |     |
| 3" NORMAL | 3NR   | BSP        | BSP | BSP | 623            | 34  | 160 |
|           | 3NA   | NPT        | NPT | NPT |                |     |     |
|           | 3NV   | VIC        | VIC | BSP |                |     |     |
|           | 3NW   | VIC        | BSP | VIC |                |     |     |
| 3" SUPER  | 3SR   | BSP        | BSP | BSP | 747            | 340 | 160 |
|           | 3SA   | NPT        | NPT | NPT |                |     |     |
|           | 3SV   | VIC        | VIC | BSP |                |     |     |
|           | 3SW   | VIC        | BSP | VIC |                |     |     |

● PH>4 MAXIMUM PRESSURE 10 BAR/145 PSI; MAXIMUM TEMPRETURE 60°C / 140F

## PERFORMANCE DATA

| size         | connector | max recommended flow |         | filter surface |         |
|--------------|-----------|----------------------|---------|----------------|---------|
| 2"           | 2" BSP    | 30 M3/H              | 132 GPM | 1198 CM2       | 186 IN2 |
| 2"super size | 2" BSP    | 30 M3/H              | 132 GPM | 1699 CM2       | 263 IN2 |
| 3"           | 3" BSP    | 30 M3/H              | 132 GPM | 1699 CM2       | 263 IN2 |
| 3"super size | 3" BSP    | 50 M3/H              | 220 GPM | 1699 Cm2       | 263 In2 |

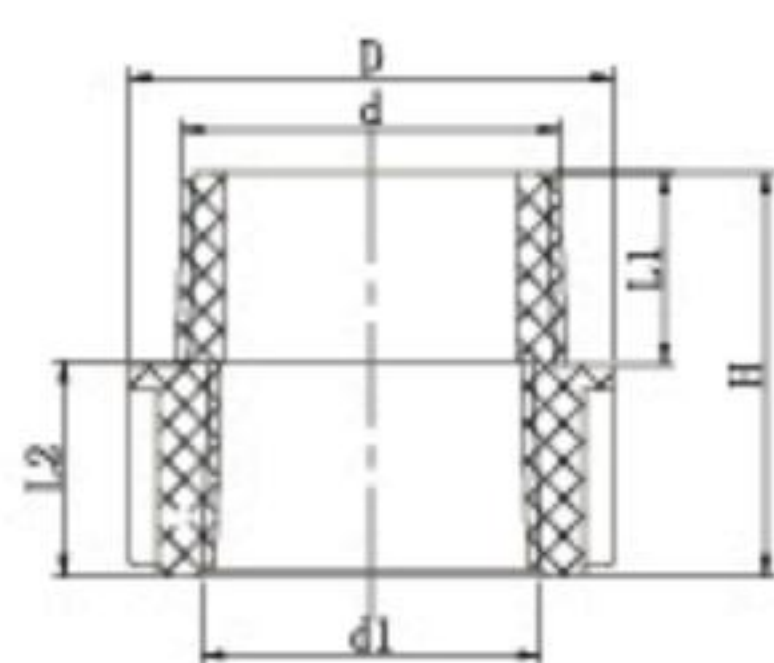




ITEM NO:PEEF001

### MALE THREAD NIPPLE

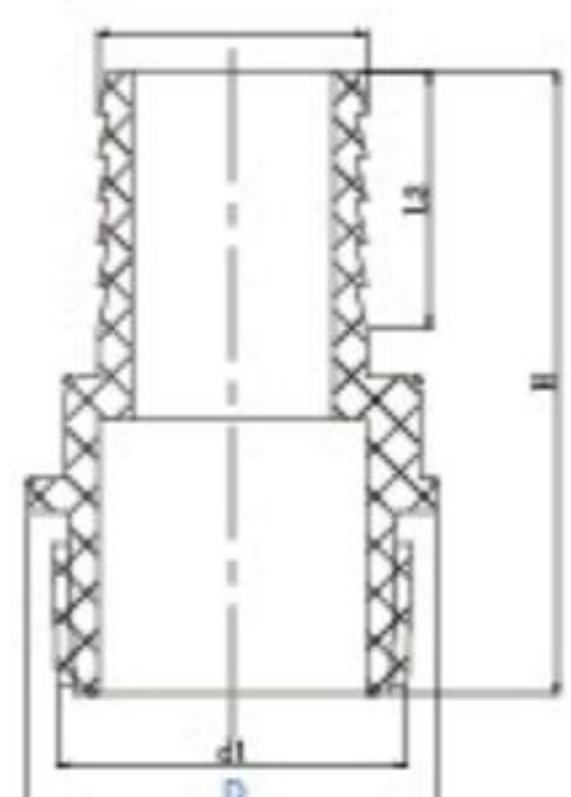
| Size Nom | D    | d        | L    | H    |
|----------|------|----------|------|------|
| 1/2"     | 28   | Rc1/2"   | 20.5 | 63.5 |
| 3/4"     | 33   | Rc3/4"   | 19.5 | 67   |
| 1"       | 38   | Rc1"     | 20   | 68   |
| 1-1/4"   | 48.5 | Rc1-1/4" | 20.5 | 69   |
| 1-1/2"   | 55.5 | Rc1-1/2" | 24.5 | 77.5 |
| 2"       | 72   | Rc2"     | 25.5 | 78   |
| 2-1/2"   | 83   | Rc2-1/2" | 26.5 | 82.5 |
| 3"       | 96   | Rc3"     | 31.5 | 92   |
| 4"       | 123  | Rc4"     | 35   | 100  |



ITEM NO:PEEF002

### MALE & FEMALE REDUCER

| Size Nom     | D    | d        | d1       | L1   | L2   | H    |
|--------------|------|----------|----------|------|------|------|
| 3/4"x1/2"    | 33   | Rc3/4"   | Rc1/2"   | 18   | 23   | 41   |
| 1"x3/4"      | 41   | Rc1"     | Rc3/4"   | 19   | 20   | 39   |
| 1-1/4x1"     | 50   | Rc1-1/4" | Rc1"     | 20.5 | 22   | 42.5 |
| 1-1/2x1-1/4" | 60   | Rc1-1/4" | Rc1-1/4" | 23   | 26   | 48.5 |
| 2"x1-1/2"    | 66.5 | Rc2"     | Rc1-1/2" | 24   | 24   | 51   |
| 2-1/2"x2"    | 81   | Rc2-1/2" | Rc2"     | 26.5 | 29.5 | 61   |
| 3" x2-1/2"   | 96.5 | Rc3"     | Rc2-1/2" | 34   | 30.5 | 73   |



ITEM NO:PEEF003

### HOSE ADAPTOR

| Size Nom | D    | d   | d1       | L1   | L2   | H     |
|----------|------|-----|----------|------|------|-------|
| 1/2"     | 23   | 15  | Rc1/2"   | 15   | 21   | 47.1  |
| 3/4"     | 31   | 20  | Rc3/4"   | 16   | 23   | 52.6  |
| 1"       | 38   | 25  | Rc1"     | 17   | 24   | 58    |
| 1-1/4"   | 48.5 | 32  | Rc1-1/4" | 18   | 30   | 64    |
| 1-1/2"   | 52   | 40  | Rc1-1/2" | 18   | 35   | 70    |
| 2"       | 65   | 50  | Rc2"     | 20.5 | 39   | 79    |
| 2-1/2"   | 81.8 | 65  | Rc2-1/2" | 23.7 | 49   | 98    |
| 3"       | 94.5 | 80  | Rc3"     | 28.5 | 72   | 127.7 |
| 4"       | 119  | 100 | Rc4"     | 28.5 | 75.8 | 129.5 |