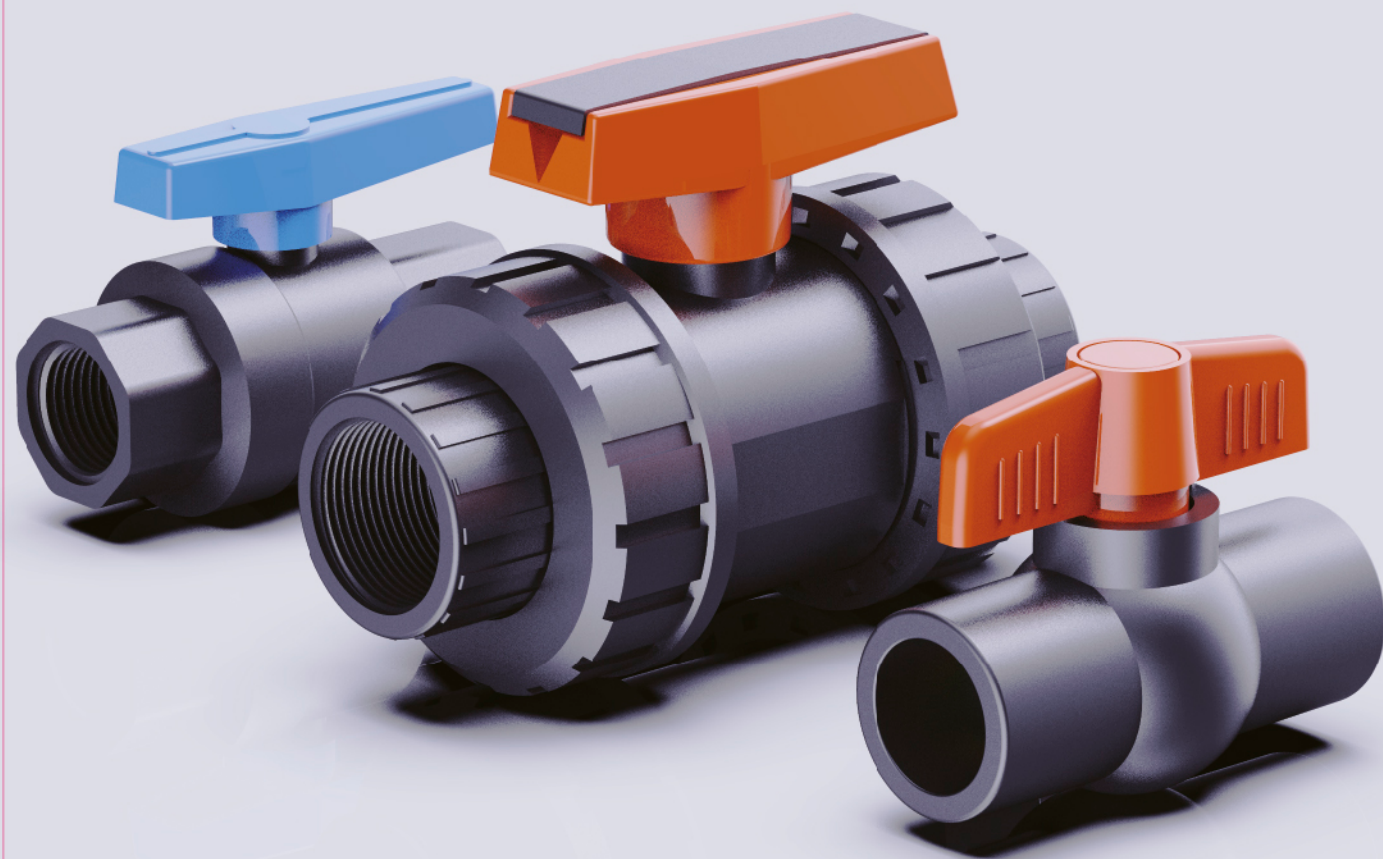


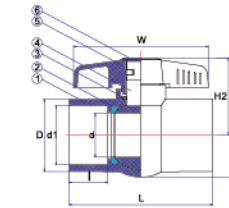
# PLASTIC VALVES AND FITTINGS

VALVE



CE

## PLASTIC VALVES AND FITTINGS



ITEM NO:UCB01

- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150PSI

NSF

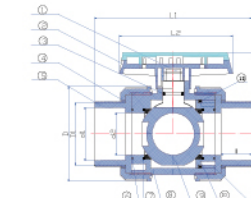
### COMPACT BALL VALVE

Specification of material

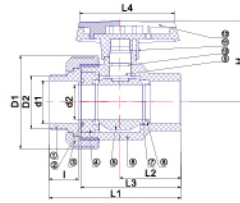
| NO. | PART      | MATERIAL      | Q'TY |
|-----|-----------|---------------|------|
| 1   | Body      | PVC,CPVC,PP   | 1    |
| 2   | Seat Seal | TPE,PTEE      | 2    |
| 3   | O-Ring    | EPDM,FPM(NBR) | 1    |
| 4   | Ball      | PVC,CPVC,PP   | 1    |
| 5   | Handle    | ABS           | 1    |
| 6   | Cap       | ABS           | 1    |

### COMPACT BALL VALVE

| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | NBR | d     | D     | L     | I     | w     | H1    | H2    |
|--------------|-------------|--------------|--------|-------|---------|--------|-----|-------|-------|-------|-------|-------|-------|-------|
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 20  | 14.5  | 32    | 80    | 22    | 68.5  | 64.3  | 44.9  |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 25  | 20    | 36.8  | 92    | 25    | 80.5  | 76    | 52    |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 32  | 24    | 45    | 106   | 28.0  | 100   | 94    | 65    |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 40  | 30    | 53.5  | 112.5 | 28.0  | 108   | 103   | 70    |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 50  | 34    | 62    | 129   | 33.0  | 108   | 112   | 73.5  |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 63  | 44    | 75.5  | 148   | 39.5  | 138   | 126   | 81    |
| 65mm(2 1/2") | 8           | 11           | 76     | 76    | 73      | 75     | 75  | 56    | 92.5  | 177.5 | 39.5  | 192.5 | 166   | 108.5 |
| 80mm(3")     | 8           | 11           | 89     | 89    | 88.9    | 90     | 85  | 71    | 107   | 209   | 48    | 192.5 | 181   | 116   |
| 100mm(4")    | 8           | 11           | 114    | 114   | 114.3   | 110    | 110 | 86    | 134.5 | 294   | 78    | 262   | 236   | 151.5 |
| 150mm(6")    |             |              |        |       | 168.8   | 160    |     | 130.4 | 185.4 | 407   | 102.7 | 301.9 | 299.5 | 181.2 |



## PLASTIC VALVES AND FITTINGS



ITEM NO:USU01

- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150 PSI

NSF

## ● SINGLE UNION BALL VALVE

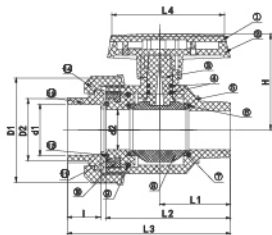
Specification of material

| NO. | PART           | MATERIAL      | Q'TY | NO. | PART        | MATERIAL      | Q'TY |
|-----|----------------|---------------|------|-----|-------------|---------------|------|
| 1   | End Connector  | PVC,CPVC,PP   | 1    | 7   | Seat Seal   | PTFE          | 2    |
| 2   | Carrier O-Ring | EPDM,FPM(NBR) | 1    | 8   | O-Ring      | EPDM,FPM(NBR) | 2    |
| 3   | Union Nut      | PVC,CPVC,PP   | 1    | 9   | Stem        | PVC,CPVC,PP   | 1    |
| 4   | Seal Carrier   | PVC,CPVC,PP   | 1    | 10  | Stem O-Ring | EPDM,FPM(NBR) | 2    |
| 5   | Ball           | PVC,CPVC,PP   | 1    | 11  | Handle      | ABS           | 1    |
| 6   | Body           | PVC,CPVC,PP   | 1    |     |             |               |      |

## ● SINGLE UNION BALL VALVE

Dimensions

| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | d2   | D2    | D1    | I    | L1    | L2    | L3    | L4    | H     |
|--------------|-------------|--------------|--------|-------|---------|--------|------|-------|-------|------|-------|-------|-------|-------|-------|
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 14   | 27.6  | 51.3  | 20.6 | 95.8  | 25.3  | 67.3  | 65    | 49.5  |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 18.7 | 35.2  | 65.5  | 25   | 111.4 | 32.4  | 78.3  | 74.9  | 56.5  |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 24   | 41.6  | 73.7  | 27.9 | 121.5 | 49.5  | 85.9  | 85    | 65    |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 32   | 49    | 86.6  | 27.0 | 130   | 57    | 99    | 97.1  | 76.5  |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 40   | 60.8  | 102   | 34.5 | 157.5 | 69.0  | 113.5 | 109.7 | 86.5  |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 50   | 74.5  | 120   | 40   | 190   | 81    | 136.5 | 190.0 | 102   |
| 65mm(2 1/2") | 8           | 11           | 76     | 76    | 73.03   | 75     | 60   | 89    | 135   | 40   | 210   | 95.9  | 156   | 161   | 113.5 |
| 80mm(3")     | 8           | 11           | 89     | 89    | 88.9    | 90     | 79   | 107.5 | 188   | 48   | 254.6 | 120.9 | 196.5 | 199.4 | 161.5 |
| 100mm(4")    | 8           | 11           | 114    | 114   | 114.3   | 110    | 99   | 132   | 215.5 | 56   | 294   | 140.7 | 225   | 240   | 174   |



ITEM NO:USU04

- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150 PSI

## ● MALE SINGLE UNION BALL VALVE

Specification of material

| NO. | PART        | MATERIAL | Q'TY | NO. | PART          | MATERIAL | Q'TY |
|-----|-------------|----------|------|-----|---------------|----------|------|
| 1   | Cover       | PVC-U    | 1    | 8   | Ball          | PVC-U    | 1    |
| 2   | Handle      | ABS      | 1    | 9   | O-Ring        | EPDM     | 1    |
| 3   | Stem        | PVC-U    | 1    | 10  | Seal          | PVC-U    | 1    |
| 4   | Stem O-Ring | EPDM     | 2    | 11  | Seal Carrier  | PVC-U    | 1    |
| 5   | Body        | PVC-U    | 1    | 12  | O-Ring        | EPDM     | 1    |
| 6   | O-Ring      | EPDM     | 2    | 13  | End Connector | PVC-U    | 1    |
| 7   | Seat Seal   | PTFE     | 2    | 14  | Union Nut     | PVC-U    | 1    |

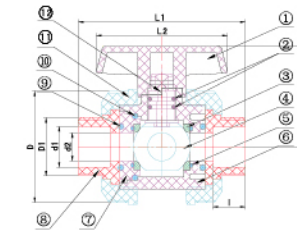
## ● MALE SINGLE UNION BALL VALVE

Dimensions

| Nom Size     | D1   | D2    | d1    | d2   | L1    | L2    | L3    | L4    | H     | I    |
|--------------|------|-------|-------|------|-------|-------|-------|-------|-------|------|
| 15mm(1/2")   | 47.8 | 26.4  | 20.3  | 14   | 40    | 67    | 88.5  | 59.2  | 49.8  | 17   |
| 20mm(3/4")   | 58.8 | 31.3  | 25.3  | 19   | 43    | 78    | 101.5 | 68.3  | 57.3  | 20   |
| 25mm(1")     | 68   | 38    | 32.4  | 32   | 50    | 86    | 112   | 78.3  | 64.4  | 23.4 |
| 32mm(1 1/4") | 82.4 | 49    | 40.4  | 32.5 | 56.4  | 99.3  | 129.7 | 89.5  | 76    | 26.6 |
| 40mm(1 1/2") | 94.6 | 59.5  | 50.4  | 40   | 68.2  | 115   | 151.8 | 101.3 | 86.6  | 31.5 |
| 50mm(2")     | 113  | 73.9  | 63.4  | 49.7 | 78    | 134   | 179   | 124.4 | 101   | 38.5 |
| 65mm(2 1/2") | 128  | 87.8  | 67    | 59.5 | 90    | 151.8 | 203.8 | 149.9 | 113.1 | 44   |
| 80mm(3")     | 181  | 107.4 | 90.4  | 80   | 120.9 | 196   | 254.7 | 191.6 | 160   | 52   |
| 100mm(4")    | 204  | 132.2 | 106.5 | 96   | 139.5 | 224.5 | 295.8 | 191.6 | 230.3 | 62   |



## PLASTIC VALVES AND FITTINGS



ITEM NO:UTB03

## ● TRUE UNION BALL VALVE III

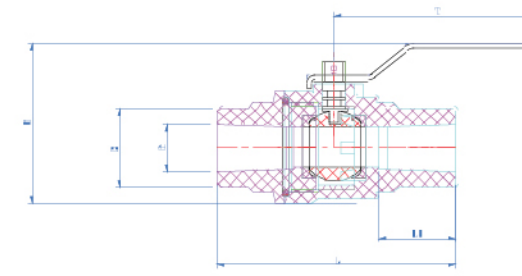
Specification of material

| NO. | PART        | MATERIAL | QTY | NO. | PART          | MATERIAL | QTY |
|-----|-------------|----------|-----|-----|---------------|----------|-----|
| 1   | Handle      | ABS      | 1   | 7   | Seat Carrier  | PVC-U    | 1   |
| 2   | Stem O-Ring | NBR      | 2   | 8   | End Connector | PVC-U    | 1   |
| 3   | Seat Seal   | PE       | 2   | 9   | O-Ring        | NBR      | 1   |
| 4   | Ball        | PVC-U    | 1   | 10  | O-Ring        | NBR      | 1   |
| 5   | O-Ring      | NBR      | 2   | 11  | Union Nut     | PVC-U    | 1   |
| 6   | Body        | PVC-U    | 1   | 12  | Stem          | PVC-U    | 1   |

## ● TRUE UNION BALL VALVE III

Dimensions

| Nom Size     | NPT   | BSPT | JIS(d1) | BS(d1) | ANSI(d1) | DIN(d1) | d2 | D1 | D     | I     | L1    | L2  | H     |
|--------------|-------|------|---------|--------|----------|---------|----|----|-------|-------|-------|-----|-------|
| 15mm(1/2")   | 14    | 14   | 22      | 22     | 21.34    | 20      | 14 | 26 | 55    | 16    | 82.50 | 65  | 49.50 |
| 20mm(3/4")   | 14    | 14   | 26      | 26     | 26.67    | 25      | 18 | 36 | 60    | 19    | 92    | 80  | 54.50 |
| 25mm(1")     | 11.50 | 11   | 32      | 34     | 33.40    | 32      | 25 | 44 | 69    | 22.50 | 107   | 85  | 62    |
| 32mm(1 1/4") | 11.50 | 11   | 38      | 42     | 42.16    | 40      | 32 | 56 | 81.50 | 26    | 120   | 97  | 74    |
| 40mm(1 1/2") | 11.50 | 11   | 48      | 48     | 48.26    | 50      | 40 | 63 | 93    | 31.50 | 144   | 116 | 85    |
| 50mm(2")     | 11.50 | 11   | 60      | 60     | 60.33    | 63      | 50 | 78 | 111   | 38.50 | 172   | 134 | 100   |

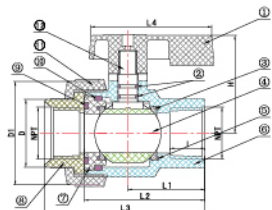


ITEM NO: UCB06

## ● TWO PCSES BALL VALVE WITH STAINLESS STEEL HANDLE

| Nom Size | L      | L1    | T      | R      | D      | H      |
|----------|--------|-------|--------|--------|--------|--------|
| 20       | 87     | 28    | 75.8   | 1/2"   | 29     | 58.27  |
| 25       | 93.6   | 27.98 | 80.8   | 3/4"   | 33.2   | 63.67  |
| 32       | 108.4  | 31    | 83.2   | 1"     | 41     | 74.97  |
| 40       | 120.5  | 35    | 96.4   | 1 1/4" | 51.5   | 90.8   |
| 50       | 137    | 39    | 111.4  | 1 1/2" | 58     | 102    |
| 63       | 162    | 46    | 123    | 2"     | 74.5   | 118.85 |
| 75       | 197    | 52.5  | 139.5  | 2 1/2" | 91.5   | 145.62 |
| 90       | 247.5  | 73.5  | 190.72 | 3"     | 104.75 | 166.25 |
| 110      | 282.39 | 74    | 208.78 | 4"     | 133.97 | 199.25 |

## PLASTIC VALVES AND FITTINGS



ITEM NO: USU03

## ● SINGLE UNION BALL VALVE III

Specification of material

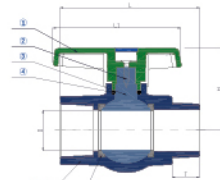
| NO. | PART        | MATERIAL | Q'TY |
|-----|-------------|----------|------|
| 1   | Handle      | PVC-U    | 1    |
| 2   | Stem O-Ring | NBR      | 1    |
| 3   | Seat Seal   | PTFE     | 1    |
| 4   | Ball        | PVC-U    | 1    |
| 5   | O-Ring      | NBR      | 1    |
| 6   | Body        | PVC-U    | 1    |

| NO. | PART                     | MATERIAL | Q'TY |
|-----|--------------------------|----------|------|
| 7   | Seat Carrier             | PVC-U    | 1    |
| 8   | End connector            | PVC-U    | 1    |
| 9   | Seat Carrier Flat O-Ring | NBR      | 1    |
| 10  | Seat Carrier O-Ring      | NBR      | 1    |
| 11  | Union nut                | PVC-U    | 1    |
| 12  | Stem                     | PVC-U    | 1    |

## ● SINGLE UNION BALL VALVE III

Dimensions

| Nom Size     | D1  | D     | NPT    | NBR | I    | L1    | L2    | L3    | L4    | H      |
|--------------|-----|-------|--------|-----|------|-------|-------|-------|-------|--------|
| 15mm(1/2")   | 49  | 29    | 1/2"   | 20  | 18   | 38    | 58    | 80    | 57    | 50     |
| 20mm(3/4")   | 60  | 35    | 3/4"   | 25  | 18   | 41.9  | 66    | 88    | 64    | 49.7   |
| 25mm(1")     | 66  | 43.2  | 1"     | 32  | 22   | 49    | 76.7  | 101.9 | 77.2  | 62.3   |
| 32mm(1 1/4") | 81  | 51    | 1 1/4" | 40  | 29   | 59    | 93    | 125   | 91    | 75     |
| 40mm(1 1/2") | 94  | 60    | 1 1/2" | 50  | 31.5 | 63.2  | 99.2  | 133.2 | 100   | 81.5   |
| 50mm(2")     | 111 | 74    | 2"     | 63  | 38   | 82.4  | 124.7 | 165.7 | 117.6 | 92.4   |
| 80mm(3")     | 178 | 107.5 | 3"     | 85  | 56   | 108.4 | 172   | 229.3 | 173   | 138.6  |
| 100mm(4")    | 210 | 131   | 4"     | 110 | 66.2 | 135   | 212.4 | 281.1 | 224   | 151.65 |



ITEM NO: UCTB04

## ● COMPACT BALL VALVE M/F

Specification of material

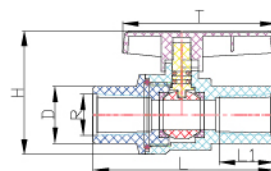
| NO. | PART   | MATERIAL | Q'TY |
|-----|--------|----------|------|
| 1   | Handle | PVC      | 1    |
| 2   | Nail   | 304      | 1    |
| 3   | Ball   | PP       | 1    |

| NO. | PART        | MATERIAL | Q'TY |
|-----|-------------|----------|------|
| 4   | Stem O-Ring | EPDM     | 1    |
| 5   | Body        | PVC      | 1    |
| 6   | Seal Seat   | TPE      | 2    |

## ● COMPACT BALL VALVE M/F

Dimensions

| Nom Size        | DN | D  | L   | L1  | T  | H  |
|-----------------|----|----|-----|-----|----|----|
| 1 1/2" X 1 1/2" | 40 | 35 | 139 | 107 | 24 | 59 |
| 2" X 2"         | 50 | 46 | 151 | 139 | 30 | 69 |



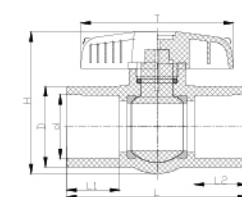
ITEM NO: UCB05

## ● TWO PCSES BALL VALVE

Dimensions

| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | L     | L1 | D    | R      | H      | T   |
|--------------|-------------|--------------|--------|-------|---------|--------|-------|----|------|--------|--------|-----|
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 93    | 28 | 30   | 1/2"   | 63.7   | 79  |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 95.6  | 25 | 33.2 | 3/4"   | 68.5   | 79  |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 114.4 | 28 | 41   | 1"     | 81     | 85  |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 127.6 | 31 | 51.5 | 1 1/4" | 93.6   | 92  |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 139.5 | 35 | 58   | 1 1/2" | 106.3  | 103 |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 162   | 42 | 74.5 | 2"     | 125.06 | 118 |

## PLASTIC VALVES AND FITTINGS

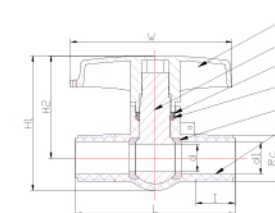


ITEM NO: UCB04

## ● OCTAGONAL COMPACT BALL VALVE

Dimensions

| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | L     | L1   | L2   | H     | T     |
|--------------|-------------|--------------|--------|-------|---------|--------|-------|------|------|-------|-------|
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 69.8  | 18.5 | 18   | 60.1  | 65    |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 79.2  | 22   | 22   | 69.5  | 71.8  |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 94.5  | 26.2 | 25   | 83.7  | 87.8  |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 106.8 | 26.8 | 26   | 94.5  | 99.6  |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 122.8 | 31.2 | 31   | 109.7 | 109.8 |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 142.7 | 34.5 | 34   | 129   | 127.5 |
| 65mm(2 1/2") | 8           | 11           | 76     | 76    | 73      | 75     | 173   | 41.5 | 41.5 | 164.5 | 180   |
| 80mm(3")     | 8           | 11           | 89     | 89    | 88.9    | 90     | 228   | 65   | 65   | 191   | 196   |
| 100mm(4")    | 8           | 11           | 114    | 114   | 114.3   | 110    | 256   | 65.5 | 65.5 | 216   | 218.5 |



ITEM NO: UCB03

## ● COMPACT BALL VALVE M/M

Specification of material

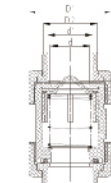
| NO. | PART      | MATERIAL | QTY |
|-----|-----------|----------|-----|
| 1   | Handle    | ABS      | 1   |
| 2   | Stem      | PVC-U    | 1   |
| 3   | Seat Seal | PE       | 1   |

| NO. | PART   | MATERIAL | QTY |
|-----|--------|----------|-----|
| 4   | O-Ring | NBR      | 1   |
| 5   | O-Ring | HDPE     | 2   |
| 6   | Body   | PVC-U    | 1   |

## ● COMPACT BALL VALVE M/M

Dimensions

| Nom Size   | Rc   | d1 | d  | L  | I  | W  | H1 | H2 |
|------------|------|----|----|----|----|----|----|----|
| 15mm(1/2") | 1/2" | 14 | 12 | 70 | 17 | 71 | 60 | 45 |
| 20mm(3/4") | 3/4" | 18 | 16 | 75 | 17 | 71 | 67 | 47 |



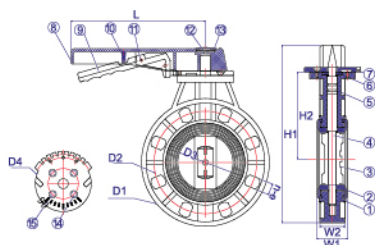
ITEM NO: UTS01

## ● TRUE UNION SPRING CHECK VALVE

Dimensions

| Nom Size     | NPT Thd./in | BSPT Thd./in | d    | JIS d1 | BS d1 | ANSI d1 | DIN d1 | D1    | D2    | I    | L      |
|--------------|-------------|--------------|------|--------|-------|---------|--------|-------|-------|------|--------|
| 15mm(1/2")   | 14          | 14           | 16.8 | 22     | 22    | 21.34   | 20     | 48    | 27.4  | 17   | 87.2   |
| 20mm(3/4")   | 14          | 14           | 22   | 26     | 26    | 26.67   | 25     | 68    | 36.2  | 19.7 | 114.53 |
| 25mm(1")     | 11.5        | 11           | 26.5 | 32     | 34    | 33.4    | 32     | 68    | 42    | 23   | 129.5  |
| 32mm(1 1/4") | 11.5        | 11           | 37.1 | 38     | 42    | 42.16   | 40     | 95    | 52.6  | 27   | 151.1  |
| 40mm(1 1/2") | 11.5        | 11           | 44.6 | 48     | 48    | 48.26   | 50     | 92.8  | 61.4  | 32   | 160.3  |
| 50mm(2")     | 11.5        | 11           | 54.8 | 60     | 60    | 60.33   | 63     | 114.8 | 77.6  | 38   | 193.2  |
| 65mm(2 1/2") | 8           | 11           | 65   | 76     | 76    | 73      | 75     | 148   | 89.4  | 45   | 231.4  |
| 80mm(3")     | 8           | 11           | 80   | 89     | 89    | 88.9    | 90     | 179   | 108.5 | 58   | 270    |
| 100mm(4")    | 8           | 11           | 80   | 114    | 114   | 114.3   | 110    | 179   | 132.5 | 63.5 | 281.8  |

## PLASTIC VALVES AND FITTINGS



## ITEM NO:UBV01

- END CONNECTOR: FLANGE
- WORKING PRESSURE:200PSI

## BUTTERFLY VALVE

## Specification of material

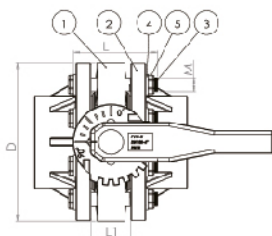
| NO. | PART          | MATERIAL      | Q'TY |
|-----|---------------|---------------|------|
| 1   | Body          | PVC           | 1    |
| 2   | Seat Seal     | EPDM,FPM(NBR) | 1    |
| 3   | Gate          | PVC           | 1    |
| 4   | Stem          | SUS410        | 1    |
| 5   | O-Ring        | EPDM,FPM(NBR) | 2    |
| 6   | Washer        | ABS           | 1    |
| 7   | Locking Plate | PVC           | 1    |
| 8   | Large Handle  | ABS           | 1    |

| NO. | PART         | MATERIAL | Q'TY |
|-----|--------------|----------|------|
| 9   | Small Handle | ABS      | 1    |
| 10  | Spring       | SUS304   | 1    |
| 11  | Pin          | SUS304   | 1    |
| 12  | Bolt         | SUS304   | 1    |
| 13  | Handle Cap   | ABS      | 1    |
| 14  | Insered Bolt | SUS304   | 4    |
| 15  | Bolt Cap     | PVC      | 4    |

## BUTTERFLY VALVE

## Dimensions

| Nom Size     | D1    | DIN D2 | JIS D2 | ANSI D2 | D3    | D4    | L     | H1    | H2    | W1   | W2   | DIN n-øe | JIS n-øe | ANSI n-øe |
|--------------|-------|--------|--------|---------|-------|-------|-------|-------|-------|------|------|----------|----------|-----------|
| 50mm(2")     | 160.1 | 120    | 100    | 120.4   | 55.6  | 99.7  | 189.7 | 223.3 | 98.3  | 44   | 32   | 4-20     | 4-19     | 4-19      |
| 65mm(2 1/2") | 179.8 | 141.2  | 140    | 139.5   | 68.7  | 99.7  | 189.0 | 247.0 | 111.6 | 48.3 | 32.4 | 4-18     | 4-19     | 4-19      |
| 80mm(3")     | 195.0 | 156.4  | 140    | 139.5   | 83.9  | 99.7  | 238.5 | 282.6 | 132.5 | 51.9 | 36.3 | 8-20     | 4-19     | 4-19      |
| 100mm(4")    | 228.1 | 183    | 150    | 152.4   | 103.2 | 99.7  | 239.5 | 319.4 | 155.4 | 54.5 | 44.1 | 8-20     | 8-19     | 8-19      |
| 125mm(5")    | 257   | 210.9  | 175    | 190.5   | 129.5 | 139   | 309.8 | 368   | 170.3 | 66.5 | 54.6 | 8-21.5   | 8-19     | 8-19      |
| 150mm(6")    | 285.4 | 238.5  | 240    | 241.5   | 151.1 | 140.0 | 309.8 | 400.8 | 187.5 | 73.1 | 56.4 | 8-24     | 8-23     | 8-22      |
| 200mm(8")    | 342.6 | 292.4  | 295    | 298.5   | 198.6 | 140.0 | 309.8 | 473.0 | 230.1 | 92.0 | 72.2 | 8-24     | 12-23    | 8-23      |



## ITEM NO:UBV02

- END CONNECTOR: FLANGE
- WORKING PRESSURE:200PSI

## BUTTERFLY VALVE WITH FLANGE

## Specification of material

| NO. | PARTS           | Q'TY |
|-----|-----------------|------|
| 1   | Butterfly Valve | 1    |
| 2   | Flange          | 2    |
| 3   | Bolt            |      |
| 4   | Washer          |      |
| 5   | Nut             |      |

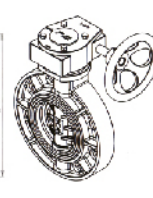
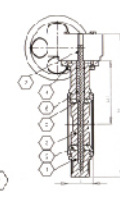
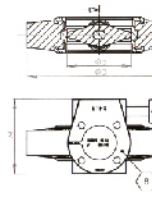
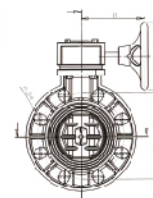
## BUTTERFLY VALVE WITH FLANGE

## Dimensions

| VALVE SIZE DN-INCH | FLANGE  | D   | L1  | BOLT Q'TY | BOLT M |
|--------------------|---------|-----|-----|-----------|--------|
| 50 X 2"            | 63      | 160 | 43  | 4         | M16    |
| 65 X 2 1/2"        | 75      | 180 | 46  | 4         | M16    |
| 80 X 3"            | 90      | 196 | 49  | 8         | M16    |
| 100 X 4"           | 110     | 228 | 54  | 8         | M16    |
| 125 X 5"           | 125,140 | 258 | 64  | 8         | M16    |
| 150 X 6"           | 160     | 287 | 70  | 8         | M20    |
| 200 X 8"           | 200,225 | 344 | 88  | 8         | M20    |
| 250 X 10"          | 250,280 | 412 | 98  | 12        | M20    |
| 300 X 12"          | 315     | 460 | 108 | 12        | M20    |
| 350 X 14"          | 350     | 500 | 88  | 16        | M20    |
| 400 X 16"          | 400     | 565 | 96  | 16        | M24    |



## PLASTIC VALVES AND FITTINGS



## ITEM NO:UBV03

- WORKING PRESSURE:200PSI

## BUTTERFLY VALVE GEAR TYPE

## Specification of material

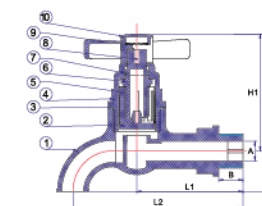
| NO. | PART      | MATERIAL       | Q'TY |
|-----|-----------|----------------|------|
| 1   | Body      | PVC/CPVC/PPG   | 1    |
| 2   | Seat Seal | EPDM/FPM       | 1    |
| 3   | Disc      | PVC/CPVC/PPG   | 1    |
| 4   | Bolt      | 304            | 1    |
| 5   | Stem      | STEEL,/304/316 | 1    |

| NO. | PART       | MATERIAL | Q'TY |
|-----|------------|----------|------|
| 6   | O-Ring     | EPDM/FPM | 2    |
| 7   | Key        | STEEL    | 1    |
| 8   | Gear Box   | IRON     | 1    |
| 9   | Hand Wheel | IRON     | 1    |
| 10  | Pin        | STEEL    | 1    |

## BUTTERFLY VALVE GEAR TYPE

## Dimensions

| SIZE          | "     | 4"    | 5"    | 6"    | 8"    | 10"    | 12"    | 14"    | 16"    |
|---------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
|               | DN    | 100   | 125   | 150   | 200   | 250    | 300    | 350    | 400    |
| P.C.D.<br>ØD1 | ØD    | 228   | 258   | 287   | 344   | 412    | 460    | 500    | 565    |
|               | DIN   | 180   | 210   | 240   | 295   | 350    | 400    | 460    | 515    |
|               | ANSI  | 191   | 216   | 241   | 298   | 362    | 432    | 476    | 540    |
|               | JIS   | 175   | 210   | 240   | 290   | 355    | 400    | 445    | 510    |
|               | Ød1   | 98    | 122   | 146   | 199   | 255    | 302    | 345    | 395    |
|               | L     | 54    | 64    | 70    | 88    | 98     | 108    | 88     | 98     |
|               | Ø1    | 145   | 280   | 280   | 280   | 280    | 280    | 380    | 380    |
|               | L1    | 120   | 200   | 200   | 200   | 220    | 220    | 280    | 280    |
|               | H1    | 140   | 168   | 181   | 215   | 260    | 280    | 410    | 490    |
|               | H     | 340   | 385   | 417   | 487   | 551    | 595    | 670    | 770    |
|               | M     | 120   | 180   | 180   | 180   | 180    | 180    | 250    | 250    |
|               | N     | 90    | 100   | 100   | 100   | 130    | 130    | 220    | 220    |
| N-øe          | DIN   | 8-Ø19 | 8-Ø19 | 8-Ø23 | 8-Ø23 | 12-Ø25 | 12-Ø25 | 16-Ø25 | 16-Ø27 |
|               | ANSI  | 8-Ø19 | 8-Ø19 | 8-Ø23 | 8-Ø23 | 12-Ø25 | 12-Ø25 | 12-Ø29 | 16-Ø29 |
|               | JIS   | 8-Ø19 | 8-Ø19 | 8-Ø23 | 8-Ø23 | 12-Ø25 | 16-Ø25 | 16-Ø25 | 16-Ø27 |
| PN            | PSI   | 150   | 150   | 150   | 150   | 100    | 100    | 60     | 60     |
|               | MPa   | 1     | 1     | 1     | 1     | 0.6    | 0.6    | 0.4    | 0.4    |
| Weight        | Kg/PC | 7.2   | 18    | 19    | 22    | 25     | 29     | 45     | 55     |



## ITEM NO:UBC01

- END CONNECTOR: BSPT, NPT, THREAD
- MATERIAL: PVC

## BIBCOCK

## Specification of material

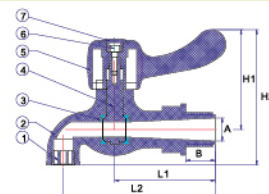
| NO. | PART        | MATERIAL      | Q'TY |
|-----|-------------|---------------|------|
| 1   | Body        | PVC           | 1    |
| 2   | Seal        | TPE           | 1    |
| 3   | O-Ring      | EPDM,FPM(NBR) | 1    |
| 4   | Surcoat     | PVC           | 1    |
| 5   | Core Nut    | ABS           | 1    |
| 6   | Screw       | ABS           | 1    |
| 7   | Stem O-Ring | EPDM,FPM(NBR) | 1    |
| 8   | Bolt        | SUS304        | 1    |
| 9   | Handle      | PVC           | 1    |
| 10  | Handle Cap  | PS            | 1    |

## BIBCOCK

## Dimensions

| Nom Size   | NPT Thd./in | BSPT Thd./in | A    | B    | L1   | L2   | H1   | H2 |
|------------|-------------|--------------|------|------|------|------|------|----|
| 15mm(1/2") | 14          | 14           | 11.6 | 13.7 | 61.5 | 99.5 | 72.5 | 95 |
| 20mm(3/4") | 14          | 14           | 11.6 | 13.7 | 62.5 | 99.5 | 72.5 | 95 |

## PLASTIC VALVES AND FITTINGS



ITEM NO:UWF01

- END CONNECTOR: BSPT, NPT, THREAD
- MATERIAL: PVC

## ONE WAY FAUCET

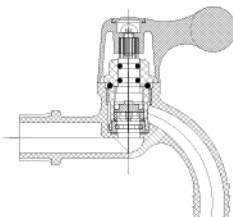
## Specification of material

| NO. | PART       | MATERIAL | Q'TY |
|-----|------------|----------|------|
| 1   | Nut        | ABS      | 1    |
| 2   | Body       | PVC      | 1    |
| 3   | Seat Seal  | TPE      | 2    |
| 4   | Ball       | PVC      | 1    |
| 5   | Handle     | PVC      | 1    |
| 6   | Union Nut  | SS41     | 1    |
| 7   | Handle Cap | ABS      | 1    |

## ONE WAY FAUCET

## Dimensions

| Nom Size   | NPT Thd./in | BSPT Thd./in | A    | B    | L1   | L2   | H1   | H2   |
|------------|-------------|--------------|------|------|------|------|------|------|
| 15mm(1/2") | 14          | 14           | 13.8 | 17.7 | 62.5 | 92.9 | 56   | 80   |
| 20mm(3/4") | 14          | 14           | 13.8 | 17.7 | 63   | 92.9 | 55.6 | 81.5 |

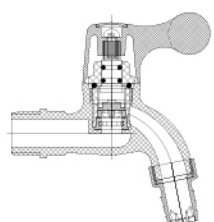


ITEM NO: UWF03

## ONE WAY FAUCET TYPE III

## Dimensions

|            | A    | B  | L1   | L2   | H1    | H2    |
|------------|------|----|------|------|-------|-------|
| 15mm(1/2") | 13.5 | 14 | 48.9 | 85.9 | 58.78 | 94.68 |

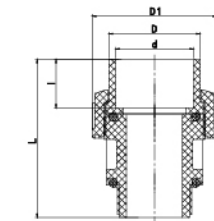


ITEM NO: UWF02

## ONE WAY FAUCET TYPE III WITH NOZZLE

## Dimensions

|            | A    | B  | L1   | L2    | H1    | H2     |
|------------|------|----|------|-------|-------|--------|
| 15mm(1/2") | 13.5 | 14 | 48.9 | 83.59 | 58.75 | 102.47 |



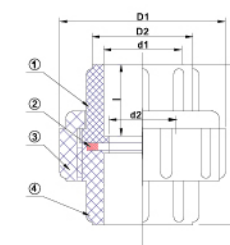
ITEM NO: UU002

## MALE UNION

## Dimensions

| Nom Size | D    | D1   | d    | L     | I    |
|----------|------|------|------|-------|------|
| 20mm     | 29.5 | 43   | 20.3 | 63.3  | 17   |
| 25mm     | 37   | 53   | 25.3 | 72.3  | 14   |
| 32mm     | 43   | 57   | 32.4 | 75.1  | 23   |
| 40mm     | 55   | 72   | 40.4 | 93.1  | 33   |
| 50mm     | 58.8 | 80.1 | 50.4 | 102   | 31.5 |
| 50mmX2"  | 58.8 | 80.1 | 50.4 | 31.5  | 31.5 |
| 63mm     | 73.7 | 99.5 | 63.4 | 113.5 | 38   |

## PLASTIC VALVES AND FITTINGS



ITEM NO:UU001

- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150 PSI

## UNION

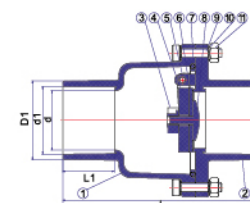
## Specification of material

| NO. | PART          | MATERIAL      | Q'TY |
|-----|---------------|---------------|------|
| 1   | End Connector | PVC,CPVC      | 1    |
| 2   | O-Ring        | EPDM,FPM(NBR) | 1    |
| 3   | Union Nut     | PVC,CPVC      | 1    |
| 4   | Body          | PVC,CPVC      | 1    |

## UNION

## Dimensions

| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | d2    | D2    | D1    | I    | L     |
|--------------|-------------|--------------|--------|-------|---------|--------|-------|-------|-------|------|-------|
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 14    | 29.20 | 50.6  | 20.5 | 48    |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 19    | 34.5  | 56.7  | 22   | 53.6  |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 24    | 42.6  | 66.5  | 28   | 63    |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 32    | 52    | 81    | 30   | 72.6  |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 40    | 59    | 86.8  | 34.5 | 85    |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 45    | 72.1  | 105.8 | 40   | 103   |
| 65mm(2 1/2") | 8           | 11           | 76     | 76    | 73.03   | 75     | 60    | 90    | 129   | 40   | 109   |
| 80mm(3")     | 8           | 11           | 89     | 89    | 88.9    | 90     | 80    | 103.5 | 145.5 | 48   | 125.5 |
| 100mm(4")    | 8           | 11           | 114    | 114   | 114.3   | 110    | 100   | 132.5 | 175   | 60   | 160   |
| 150mm(6")    | /           | /            | /      | /     | 165.2   | 157.3  | 153.5 | 189.8 | 241.5 | 76.7 | 187.4 |



ITEM NO:USV01

## SWING CHECK VALVE

## Specification of material

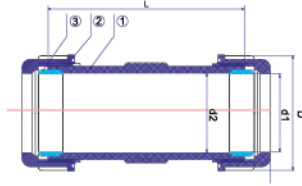
| NO. | PART                | MATERIAL      | Q'TY      |
|-----|---------------------|---------------|-----------|
| 1   | Exit Body           | PVC           | 1         |
| 2   | Entrance Body       | PVC           | 1         |
| 3   | Gate Nut            | PVC           | 1         |
| 4   | Disk                | PVC           | 1         |
| 5   | Pin                 | SUS304        | 1         |
| 6   | Sheet Gasket        | EPDM,FPM(NBR) | 1         |
| 7   | O-Ring              | EPDM,FPM(NBR) | 1         |
| 8   | Sheet Gasket Holder | PVC           | 1         |
| 9   | Bolt                | SUS304        | see table |
| 10  | Washer              | SUS304        | see table |
| 11  | Nut                 | SUS304        | see table |

## SWING CHECK VALVE

## Dimensions

| Nom Size     | JIS d1 | BS d1 | ANSI d1 | DIN d1 | d    | D1    | L1    | L     | N-φe |
|--------------|--------|-------|---------|--------|------|-------|-------|-------|------|
| 65mm(2 1/2") | 76     | 76    | 73.03   | 75     | 68.3 | 89    | 58.0  | 226.2 | 8    |
| 80mm(3")     | 89     | 89    | 88.9    | 90     | 83   | 103.6 | 73.0  | 264.4 | 8    |
| 100mm(4")    | 114    | 114   | 114.3   | 110    | 101  | 131.6 | 90.0  | 358   | 8    |
| 150mm(6")    | 165.0  | 166   | 168.3   | 160    | 147  | 182   | 113.0 | 422.4 | 12   |

## PLASTIC VALVES AND FITTINGS



## ITEM NO:UCC01

- SPECIFICATION:ASTM D2846 STANDARD
- WORKING PRESSURE:150PSI

## COMPRESSION COUPLING

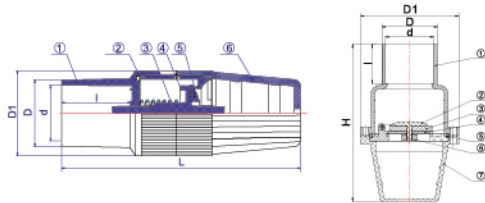
Specification of material

| NO. | PART      | MATERIAL      | Q'TY |
|-----|-----------|---------------|------|
| 1   | Body      | PVC           | 1    |
| 2   | Union Nut | PVC           | 2    |
| 3   | Seat      | EPDM,FPM(NBR) | 2    |

## COMPRESSION COUPLING

Dimensions

| Nom Size     | JIS d1 | BS d1 | ANSI d1 | DIN d1 | d2    | D     | L     |
|--------------|--------|-------|---------|--------|-------|-------|-------|
| 15mm(1/2")   | 22     | 22    | 21.34   | 20     | 23    | 45.5  | 110.1 |
| 20mm(3/4")   | 26     | 26    | 26.67   | 25     | 28    | 53    | 110.1 |
| 25mm(1")     | 34     | 32    | 33.4    | 32     | 36    | 62.2  | 120.1 |
| 32mm(1 1/4") | 42     | 38    | 42.16   | 40     | 44    | 69.6  | 129.2 |
| 40mm(1 1/2") | 48     | 48    | 48.26   | 50     | 52    | 81    | 136.6 |
| 50mm(2")     | 60     | 60    | 60.33   | 63     | 64.5  | 94    | 159   |
| 65mm(2 1/2") | 76     | 76    | 73.03   | 75     | 78    | 111.5 | 191.7 |
| 80mm(3")     | 89     | 89    | 88.9    | 90     | 92.7  | 127   | 221.7 |
| 100mm(4")    | 114    | 114   | 114.3   | 110    | 117.2 | 156.7 | 251.7 |
| 160mm(6")    | -      | -     | 170     | -      | 175   | 224   | 293   |



## ITEM NO:UFV01

- END CONNECTOR: THREAD, SOCKET
- MATERIAL:PVC

## FOOT VALVE

Specification of material

| NO. | PART      | MATERIAL        | Q'TY |
|-----|-----------|-----------------|------|
| 1   | Body      | PVC             | 1    |
| 2   | Connector | EPDM,FPM(NBR)   | 1    |
| 3   | Spring    | STAINLESS STEEL | 1    |
| 4   | Gate      | PVC             | 1    |
| 5   | Seal      | EPDM,FPM(NBR)   | 1    |
| 6   | Body      | PVC             | 1    |

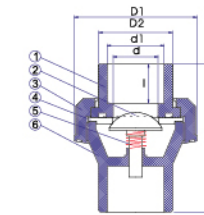
## FOOT VALVE

Dimensions

| Nom<br>Size  | NPT<br>Thd./in | BSPT<br>Thd./in | JIS<br>d | BS<br>d | ANSI<br>d | DIN<br>d | D     | D1    | I    | L      |
|--------------|----------------|-----------------|----------|---------|-----------|----------|-------|-------|------|--------|
| 15mm(1/2")   | 14             | 14              | 22       | 22      | 21.34     | 20       | 31.0  | 43.7  | 31.0 | 137.0  |
| 20mm(3/4")   | 14             | 14              | 26       | 26      | 26.67     | 25       | 35.5  | 43.7  | 32.5 | 141.0  |
| 25mm(1")     | 11.5           | 11              | 32       | 34      | 33.4      | 32       | 41.9  | 43.7  | 32.8 | 141.0  |
| 32mm(1 1/4") | 11.5           | 11              | 38       | 42      | 42.16     | 40       | 51.0  | 78    | 35.0 | 195.3  |
| 40mm(1 1/2") | 11.5           | 11              | 48       | 48      | 48.26     | 50       | 60.3  | 78    | 56.0 | 217.4  |
| 50mm(2")     | 11.5           | 11              | 60       | 60      | 60.33     | 63       | 72.5  | 78    | 57.0 | 217.4  |
| 75mm(2 1/2") | 8              | 11              | 76       | 76      | 73.03     | 75       | 90    | 171.6 | 73.5 | 293.4  |
| 90mm(3")     | 8              | 11              | 89       | 89      | 88.9      | 90       | 76.4  | 183.8 | 58.2 | 252    |
| 110mm(4")    | 8              | 11              | 114      | 114     | 114.3     | 110      | 115   | 216   | 91   | 360    |
| 125mm        |                |                 |          |         |           | 125.6    | 142.4 | 232.6 | 95   | 386.47 |
| 140mm        |                |                 |          |         |           | 140.6    | 159   | 246.5 | 105  | 430    |
| 160mm(6")    | 8              | 11              | 165      | 168.3   | 168.3     | 160      | 161   | 291   | 120  | 500    |



## PLASTIC VALVES AND FITTINGS



## ITEM NO:USU02

- SPECIFICATION:Schedule 40

## SINGLE UNION SPRING CHECK VALVE

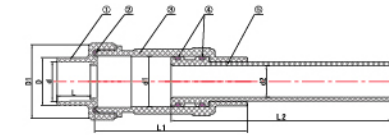
Specification of material

| NO. | PART            | MATERIAL        | Q'TY |
|-----|-----------------|-----------------|------|
| 1   | Union Connector | PVC             | 1    |
| 2   | Gate            | PVC             | 1    |
| 3   | Union Nut       | PVC             | 1    |
| 4   | Space Seal      | EPDM,FPM(NBR)   | 1    |
| 5   | Spring          | STAINLESS STEEL | 1    |
| 6   | Body            | PVC             | 1    |

## SINGLE UNION SPRING CHECK VALVE

Dimensions

| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | d    | D2   | D1    | I    | L     |
|--------------|-------------|--------------|--------|-------|---------|--------|------|------|-------|------|-------|
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 16   | 27.5 | 51.3  | 20.5 | 80    |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 19   | 35.5 | 65.5  | 22   | 86.5  |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 24   | 41.5 | 73.7  | 28.0 | 96    |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 32   | 51.6 | 86.8  | 30.0 | 105   |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 40   | 60.9 | 102   | 34.7 | 115.5 |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 49.8 | 75   | 119.8 | 40   | 141   |



## ITEM NO:UCC03

## EXPANSION COUPLING

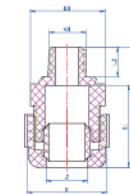
Specification of material

| NO. | PART           | MATERIAL | Q'TY |
|-----|----------------|----------|------|
| 1   | Union Nut      | PVC-U    | 1    |
| 2   | Union Nut Seal | NBR      | 1    |
| 3   | Body           | PVC-U    | 1    |
| 4   | Core Seal      | NBR      | 2    |
| 5   | Core           | PVC-U    | 1    |

## EXPANSION COUPLING

Dimensions

| Nom Size     | D1    | D    | d      | d1    | d2    | d3    | L    | L1     | L2    |
|--------------|-------|------|--------|-------|-------|-------|------|--------|-------|
| 15mm(1/2")   | 45    | 27.6 | 21.34  | 27.9  | 16.5  | 21.4  | 23.3 | 95     | 135   |
| 20mm(3/4")   | 51.4  | 33.2 | 26.67  | 33.6  | 21.1  | 26.7  | 25.3 | 110.7  | 159   |
| 25mm(1")     | 63    | 40.8 | 33.4   | 43.2  | 26.7  | 33.4  | 28.4 | 130.5  | 187.7 |
| 32mm(1 1/4") | 73.2  | 50   | 42.16  | 51.3  | 34.8  | 42.2  | 31.5 | 149    | 209.5 |
| 40mm(1 1/2") | 79.8  | 56.6 | 48.26  | 57.6  | 42.2  | 48.3  | 33.3 | 170    | 233.5 |
| 50mm(2")     | 92    | 69   | 60.33  | 70.3  | 52.2  | 60.3  | 34.8 | 181    | 244.5 |
| 2 1/2"       | 105   | 85.5 | 73.4   | 79.8  | 62.3  | 73    | 46   | 108.38 | 270   |
| 3"           | 123.8 | 103  | 89.28  | 98    | 76.6  | 88.9  | 48.8 | 103.2  | 289.3 |
| 4"           | 154   | 129  | 114.68 | 121.6 | 101.1 | 114.3 | 55   | 107.98 | 316   |

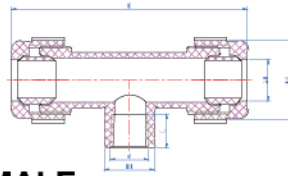


## ITEM NO: UCC04

## ADAPTER, MALE X COMPRESSION

| Nom Size | D    | d    | D1    | d1    | L     | L1    | L2   |
|----------|------|------|-------|-------|-------|-------|------|
| 1/2"     | 44   | 23   | 41.8  | 20.69 | 67.32 | 46.32 | 16.5 |
| 3/4"     | 50.4 | 28.8 | 45.26 | 26.01 | 69.39 | 47.09 | 17   |
| 1"       | 56.7 | 34.4 | 50    | 32.59 | 77.11 | 52.11 | 20.5 |
| 1 1/4"   | 68   | 43.8 | 60    | 41.32 | 81.13 | 53.83 | 22   |
| 1 1/2"   | 75   | 50.5 | 68    | 47.38 | 85.48 | 57.98 | 22.5 |
| 2"       | 89   | 61.3 | 87.13 | 59.4  | 91.98 | 61.48 | 22.5 |

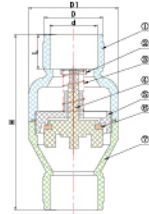
## PLASTIC VALVES AND FITTINGS



ITEM NO: UCC05

## TEE, COMPRESSION X FEMALE

| Nom Size  | D      | d      | D1   | L    | L1   | L2   |
|-----------|--------|--------|------|------|------|------|
| 1/2"      | 132.11 | 1/2"   | 28.3 | 19   | 23   | 44   |
| 3/4"      | 138.86 | 3/4"   | 34   | 20   | 28.8 | 50.4 |
| 1"        | 150.55 | 1"     | 40.6 | 23   | 34.4 | 56.7 |
| 1 1/4"    | 160.72 | 1 1/4" | 50   | 25   | 43.8 | 68   |
| 1 1/2"    | 174.61 | 1 1/2" | 56.5 | 21.5 | 50.5 | 75   |
| 2"        | 191.88 | 2"     | 69.5 | 31.5 | 61.3 | 89   |
| 3/4"X1/2" | 138.86 | 1/2"   | 28.3 | 19   | 28.8 | 50.4 |



ITEM NO:UCV01

## SPRING CHECK VALVE II

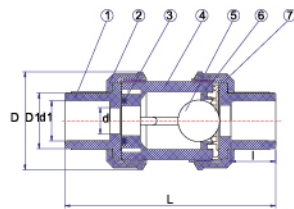
Specification of material

| NO. | PART           | MATERIAL        | Q'TY |
|-----|----------------|-----------------|------|
| 1   | Exit body      | PVC-U           | 1    |
| 2   | Stainless Plug | STAINLESS STEEL | 1    |
| 3   | Spring         | STAINLESS STEEL | 1    |
| 4   | Core           | PVC-U           | 1    |
| 5   | Core frame     | PVC-U           | 1    |
| 6   | O-Ring         | NBR             | 1    |
| 7   | Entrance body  | PVC-U           | 1    |

## SPRING CHECK VALVE II

Dimensions

| Nom Size     | D1    | D    | BS(d) | ANSI(d) | DIN(d) | L    | H     |
|--------------|-------|------|-------|---------|--------|------|-------|
| 15mm(1/2")   | 45.2  | 30.5 | 22    | 21.34   | 20     | 23   | 103   |
| 20mm(3/4")   | 45.2  | 35.5 | 26    | 26.67   | 25     | 27   | 113.6 |
| 25mm(1")     | 57.5  | 43   | 34    | 33.4    | 32     | 28   | 142   |
| 32mm(1 1/4") | 79.6  | 52   | 42    | 42.16   | 40     | 30.6 | 156   |
| 40mm(1 1/2") | 79.8  | 60.2 | 48    | 48.26   | 50     | 36   | 167.4 |
| 50mm(2")     | 103.6 | 72   | 60    | 60.33   | 63     | 40.6 | 194.8 |



ITEM NO:UBC02

## BALL CHECK VALVE

Specification of material

| NO. | PART          | MATERIAL      | Q'TY |
|-----|---------------|---------------|------|
| 1   | End Connector | PVC           | 2    |
| 2   | Union Nut     | PVC           | 2    |
| 3   | Stem O-Ring   | EPDM,FPM(NBR) | 1    |
| 4   | Body          | PVC           | 1    |
| 5   | Ball          | PVC           | 1    |
| 6   | Gland         | PVC           | 1    |
| 7   | Seat          | EPDM,FPM(NBR) | 1    |

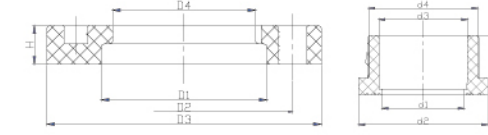
## BALL CHECK VALVE

Dimensions

| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | d    | D1   | D     | I    | L     |
|--------------|-------------|--------------|--------|-------|---------|--------|------|------|-------|------|-------|
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 15   | 27.5 | 51.3  | 20.5 | 105   |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 19.5 | 35.0 | 65.5  | 25   | 116.5 |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 25   | 41.6 | 73.7  | 28   | 130.5 |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 32   | 51.6 | 86.8  | 29.5 | 148.5 |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 40   | 60.9 | 102   | 34   | 168.5 |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 50   | 75   | 119.8 | 40   | 189   |



## PLASTIC VALVES AND FITTINGS



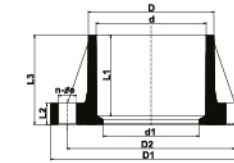
ITEM NO: UVF01

■ MATERIAL : PVC

## VAN STONE FLANGE

Dimensions

| Nom Size | d1    | d2    | d3    | d4    | h     | D1    | D2     | D3    | D4    | H    |
|----------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|
| 2"       | 51    | 91.8  | 58    | 74.6  | 43.5  | 92.5  | 120    | 152.4 | 77.6  | 20.5 |
| 2 1/2"   | 68    | 107.2 | 73.4  | 90.6  | 49    | 107.6 | 140    | 177.6 | 92.6  | 24.8 |
| 3"       | 77.2  | 119.9 | 89.4  | 107   | 54.9  | 120.6 | 152.5  | 191.4 | 109.4 | 26.4 |
| 4"       | 102.4 | 152.5 | 110.4 | 131.8 | 64.8  | 153   | 191    | 229.7 | 134   | 28.5 |
| 6"       | 156   | 206   | 160.5 | 189.2 | 85    | 207.5 | 241    | 284   | 192.5 | 32   |
| 8"       | 204.2 | 260   | 201   | 237   | 119   | 261   | 296    | 342.2 | 239   | 36.2 |
| 10"      | 266.3 | 338   | 273.8 | 305.9 | 135   | 308   | 362    | 407   | —     | 34.5 |
| 12"      | 316.4 | 394   | 324.6 | 361.5 | 162   | 363.5 | 432    | 484   | —     | 36.5 |
| 125      | 126.6 | 142.4 | 123.5 | 168.4 | 74    | 250   | 145.55 | —     | —     | 22   |
| 140      | 132   | 140.6 | 162   | —     | 81    | 181   | 159    | 251   | —     | 25.5 |
| 225mm    | 200   | 274   | 225   | 247.5 | 118   | 126   | 250    | 294.5 | 339   | 32   |
| 250mm    | 242   | 327   | 250   | 282   | 133   | 140   | 284    | 350   | 399.7 | 34.5 |
| 315mm    | 299   | 377   | 315   | 345   | 165.5 | 174   | 347.5  | 402.5 | 450.8 | 36.5 |

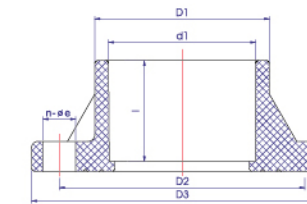


ITEM NO: UTF02

## JIS FLANGE

Dimensions

| Nom Size | D     | d ANSI | d DIN | d JIS | d BS | D1  | D2  | d1  | L1   | L2 | L3   | n-øe  |
|----------|-------|--------|-------|-------|------|-----|-----|-----|------|----|------|-------|
| 3/4"     | 35.3  | 26.67  | 25    | 26    | 26   | 100 | 75  | 22  | 35   | 15 | 40   | 4-ø15 |
| 1"       | 43    | 33.4   | 32    | 32    | 34   | 125 | 89  | 25  | 40   | 15 | 46   | 4-ø19 |
| 1 1/4"   | 49    | 42.16  | 40    | 38    | 42   | 135 | 100 | 30  | 44   | 16 | 50.5 | 4-ø19 |
| 1 1/2"   | 60.5  | 48.26  | 50    | 48    | 48   | 140 | 105 | 41  | 55   | 16 | 61.5 | 4-ø19 |
| 2"       | 73.5  | 60.33  | 63    | 60    | 60   | 155 | 120 | 52  | 63   | 20 | 71   | 4-ø19 |
| 2 1/2"   | 90.5  | 73.03  | 75    | 76    | 76   | 175 | 140 | 67  | 61   | 22 | 70   | 4-ø19 |
| 3"       | 105.5 | 88.9   | 90    | 89    | 89   | 185 | 150 | 78  | 64   | 22 | 73   | 8-ø19 |
| 4"       | 131   | 114.3  | 110   | 114   | 114  | 210 | 175 | 100 | 83.5 | 22 | 95   | 8-ø19 |



ITEM NO: UTF01

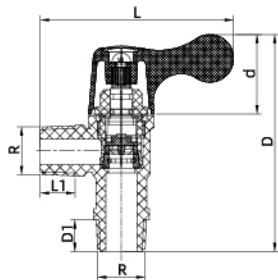
■ 235PSI MAXIMUM INTERNAL PRESSURE RATING @73° F  
■ MATERIAL : PVC

## TS FLANGE

Dimensions

| Nom Size | D1    | D2    | D3    | d1 DIN | d1 ANSI | d1 JIS | d1 BS | I    | n-øe  |
|----------|-------|-------|-------|--------|---------|--------|-------|------|-------|
| 1/2"     | 30    | 60.5  | 89    | 20     | 21.34   | 22     | 22    | 22   | 4-16  |
| 3/4"     | 34    | 70.5  | 98    | 25     | 26.67   | 26     | 26    | 23.5 | 4-16  |
| 1"       | 42.5  | 79.5  | 108   | 32     | 33.4    | 32     | 34    | 25.5 | 4-16  |
| 1 1/4"   | 52    | 89.5  | 118   | 40     | 42.16   | 38     | 42    | 32   | 4-16  |
| 1 1/2"   | 61.5  | 98.5  | 127   | 50     | 48.26   | 48     | 48    | 32.5 | 4-19  |
| 2"       | 76    | 120.5 | 151.5 | 63     | 60.33   | 60     | 60    | 35.8 | 4-19  |
| 2 1/2"   | 89.5  | 139.5 | 177.3 | 75     | 73.03   | 76     | 76    | 41   | 4-19  |
| 3"       | 107.5 | 152.5 | 191   | 90     | 88.9    | 89     | 89    | 48.5 | 4-19  |
| 4"       | 130.5 | 190.5 | 228.5 | 110    | 114.3   | 114    | 114   | 58.5 | 8-19  |
| 5"       | 165   | 210   | 250   | 140    | 141.3   | 140    | 140.8 | 104  | 8-23  |
| 6"       | 188   | 240   | 280   | 160    | 168.3   | 165    | 168.3 | 132  | 8-23  |
| 8"       | 238   | 296   | 330   | 200    | 219.1   | 216    | 219.1 | 136  | 12-23 |
| 10"      |       |       |       |        |         |        |       |      |       |

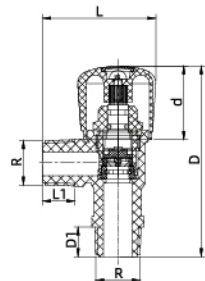
## PLASTIC VALVES AND FITTINGS



ITEM NO: UWF06

## ● PVC ANGLE VALVE

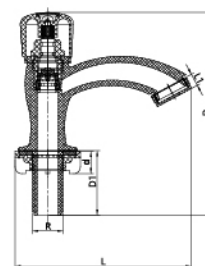
| Dimensions |    |      |      |      |      |     |
|------------|----|------|------|------|------|-----|
| Nom Size   | d  | D    | D1   | L    | L1   | R   |
| 1/2"       | 34 | 92.8 | 13.6 | 82.6 | 14.8 | 1/2 |



ITEM NO: UWF07

## ● PVC ANGLE VALVE

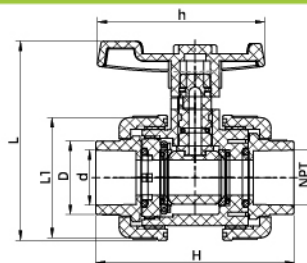
| Dimensions |      |      |      |    |      |     |
|------------|------|------|------|----|------|-----|
| Nom Size   | d    | D    | D1   | L  | L1   | R   |
| 1/2"       | 33.8 | 87.6 | 13.6 | 52 | 14.8 | 1/2 |



ITEM NO: UWF08

## ● PVC FAUCET TAP

| Dimensions |    |       |      |       |     |     |
|------------|----|-------|------|-------|-----|-----|
| Nom Size   | d  | D     | D1   | L     | L1  | R   |
| 1/2"       | 15 | 136.6 | 43.4 | 118.8 | 8.4 | 1/2 |



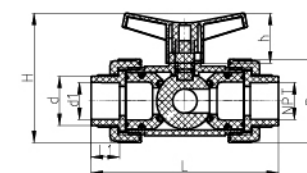
ITEM NO: UTB04

## ● II PVC TRUE UNION BALL VALVE

| Dimensions   |             |              |        |       |         |        |       |       |       |       |       |
|--------------|-------------|--------------|--------|-------|---------|--------|-------|-------|-------|-------|-------|
| Nom Size     | NPT Thd./in | BSPT Thd./in | JIS d1 | BS d1 | ANSI d1 | DIN d1 | D     | d     | L     | L1    | h     |
| 15mm(1/2")   | 14          | 14           | 22     | 22    | 21.34   | 20     | 29    | 21.7  | 78.8  | 47.5  | 66.2  |
| 20mm(3/4")   | 14          | 14           | 26     | 26    | 26.67   | 25     | 35    | 27.2  | 88.8  | 58.1  | 76.2  |
| 25mm(1")     | 11.5        | 11           | 32     | 34    | 33.4    | 32     | 42.9  | 32.4  | 100.6 | 65.5  | 86.8  |
| 32mm(1 1/4") | 11.5        | 11           | 38     | 42    | 42.16   | 40     | 52    | 40.4  | 127.2 | 80    | 109.9 |
| 40mm(1 1/2") | 11.5        | 11           | 48     | 48    | 48.26   | 50     | 62    | 48    | 136.1 | 91.1  | 142.2 |
| 50mm(2")     | 11.5        | 11           | 60     | 60    | 60.33   | 63     | 75.7  | 60.5  | 160.6 | 112.1 | 168.5 |
| 65mm(2 1/2") | 8           | 11           | 76     | 76    | 73.03   | 75     | 87.7  | 75.5  | 200   | 135.6 | 217   |
| 80mm(3")     | 8           | 11           | 89     | 89    | 88.9    | 90     | 105.7 | 90.5  | 228.3 | 163   | 242   |
| 100mm(4")    | 8           | 11           | 114    | 114   | 114.3   | 110    | 175.7 | 160.5 | 304.8 | 212.1 | 317.5 |



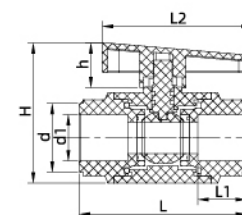
## PLASTIC VALVES AND FITTINGS



ITEM NO: UTV01

## ● 3-WAYS BALL VALVE

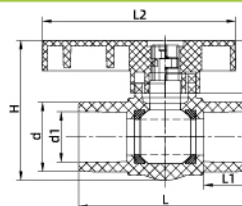
| Dimensions |      |      |       |       |      |       |       |
|------------|------|------|-------|-------|------|-------|-------|
| Nom Size   | d    | d1   | D     | L     | L1   | H     | h     |
| 25         | 33.6 | 25.3 | 56.7  | 127.8 | 19.4 | 88.2  | 34    |
| 32         | 41.5 | 32.4 | 67    | 146.8 | 22   | 102.8 | 37.31 |
| 40         | 51.8 | 40.4 | 80.8  | 172   | 26.2 | 114.8 | 38.6  |
| 50         | 62.7 | 50.5 | 102.4 | 208   | 32.4 | 148.4 | 49.2  |



ITEM NO: UCB07

## ● PVC THREE PCS BALL VALVE

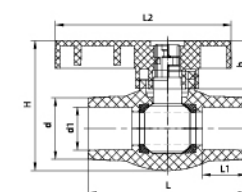
| Nom Size | d    | d1   | L     | L1   | L2    | H     | h    |
|----------|------|------|-------|------|-------|-------|------|
| 1/2"     | 32   | 21.7 | 77.9  | 22.6 | 70    | 65.3  | 20.8 |
| 3/4"     | 36   | 26.9 | 106.2 | 31.2 | 80    | 76    | 24.2 |
| 1"       | 43   | 33.6 | 116.5 | 35   | 90    | 83.4  | 23.9 |
| 1-1/4"   | 53   | 40.4 | 127   | 35   | 100.2 | 101.4 | 29.2 |
| 2"       | 74.7 | 63.4 | 147.8 | 37.8 | 130.3 | 135.9 | 33.8 |



ITEM NO: UCB08

## ● PVC OCTAGONAL COMPACT BALL VALVES

| Nom Size | d    | d1   | L   | L1   | L2    | H     | h    |
|----------|------|------|-----|------|-------|-------|------|
| 1/2"     | 29.7 | 21.5 | 74  | 20.5 | 82.5  | 59.8  | 22.7 |
| 3/4"     | 36.2 | 26.9 | 78  | 21   | 89.5  | 71.6  | 27.1 |
| 1"       | 42.4 | 33.7 | 88  | 22   | 102.9 | 82.9  | 28.5 |
| 1-1/4"   | 53   | 42.5 | 105 | 26   | 123   | 97.6  | 30.9 |
| 1-1/2"   | 60   | 48.6 | 124 | 32   | 148   | 108   | 32.5 |
| 2"       | 74   | 60.5 | 143 | 37   | 148   | 129.8 | 40   |



ITEM NO: UCB02

## ● LUXURY COMPACT BALL VALVE

| Nom Size | d    | d1   | L   | L1   | L2    | H     | h    |
|----------|------|------|-----|------|-------|-------|------|
| 1/2"     | 28.8 | 20.3 | 74  | 20.5 | 82.5  | 61.1  | 22.7 |
| 3/4"     | 35   | 25.3 | 78  | 21   | 89.5  | 72    | 27.1 |
| 1"       | 42.5 | 33.6 | 88  | 22   | 102.9 | 92.2  | 28.5 |
| 1-1/4"   | 53   | 40   | 105 | 26   | 123   | 97.3  | 30.9 |
| 1-1/2"   | 61   | 50   | 124 | 32   | 148   | 109.1 | 32.5 |
| 2"       | 74   | 63.5 | 143 | 37   | 148   | 130.8 | 40   |