

# Ball Valves

## Küresel Vanalar



Products & Technical Data



6

Ball Valves

Teknik Bilgiler

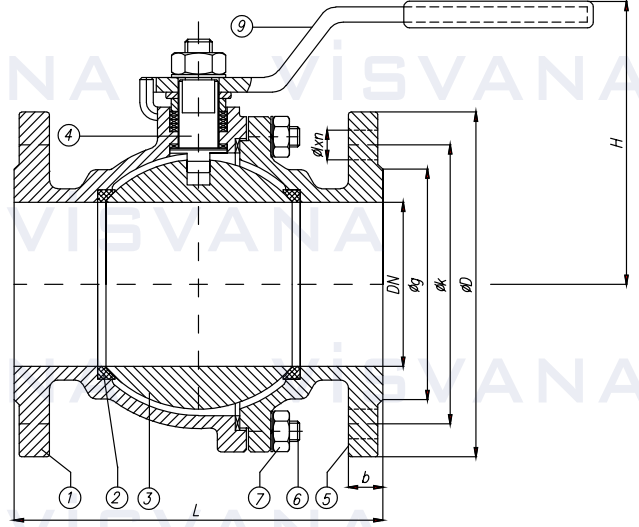
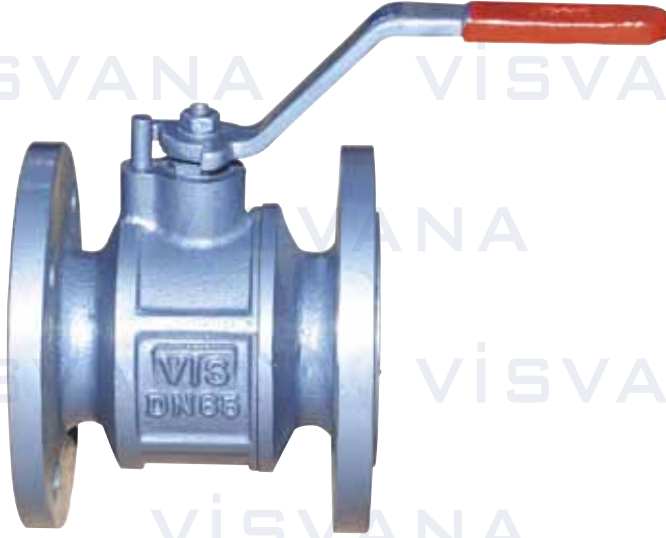
www.visvana.com

Pressure / Boyutlar: DIN 3357

Flange Ends / Flans: DIN EN 1092-1

Test: API 598 / DIN EN 12266

DIN EN 558-1-14



| NO | PART NAME | PARÇAADI    | MATERIAL / MALZEME                      |
|----|-----------|-------------|-----------------------------------------|
| 1  | Body      | Gövde       | GG25                                    |
| 2  | Body Seat | Gövde Burcu | Teflon / PTFE                           |
| 3  | Ball      | Küre        | SS420/SS304                             |
| 4  | Stem      | Mil         | Paslanmaz Çelik / Stainless Steel SS420 |
| 5  | Bonnet    | Kapak       | GG25                                    |
| 6  | Stud      | Saplama     | 5.6 / 8.8                               |
| 7  | Nut       | Somun       | 5.6 / 8.8                               |
| 8  | Lever     | Kol         | Çelik / Steel                           |

| Valve Dimensions / Boyut Ölçüleri DIN 3357 |     |     | PN 16 |     |     |    |         | Weight / Ağırlık |
|--------------------------------------------|-----|-----|-------|-----|-----|----|---------|------------------|
| DN                                         | L   | H   | ØD    | Øk  | Øg  | b  | ØLxn    | Kg.              |
| 32                                         | 130 | 110 | 140   | 100 | 78  | 18 | Øk18x4  | 9                |
| 40                                         | 140 | 160 | 150   | 110 | 88  | 18 |         | 13               |
| 50                                         | 150 | 160 | 165   | 125 | 102 | 18 |         | 19               |
| 65                                         | 170 | 170 | 185   | 145 | 122 | 18 |         | 29               |
| 80                                         | 180 | 210 | 200   | 160 | 138 | 20 | Øk18x8  | 40               |
| 100                                        | 190 | 240 | 220   | 180 | 158 | 20 |         | 55               |
| 125                                        | 200 | 280 | 250   | 210 | 188 | 22 |         | 80               |
| 150                                        | 210 | 330 | 285   | 240 | 212 | 22 | Øk22x8  | 120              |
| 200                                        | 230 | 400 | 340   | 295 | 268 | 24 | Øk23x12 | 175              |

# 3 PCS DESIGN BALL VALVE FULL BORE

## 3 PARÇALI TAM GEÇİŞLİ KÜRESEL VANA

# VTKF-16-25-40

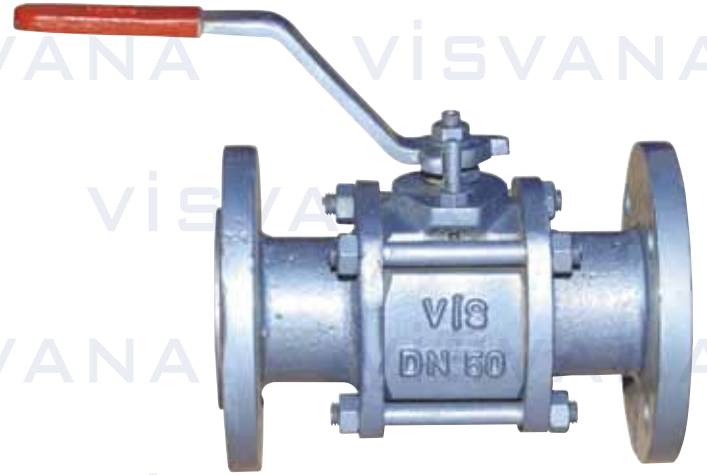
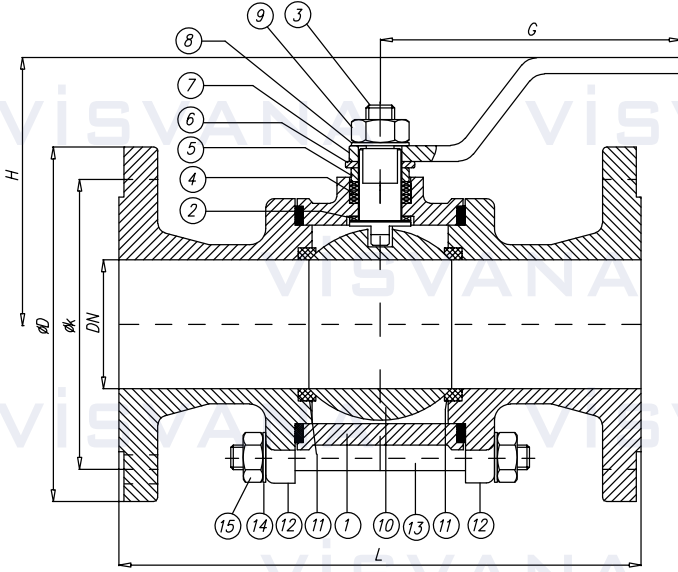


Pressure Rate / Basınç Aralığı: PN16-25-40

Size Range / Ölçü Aralığı: DN15-DN150

Flange Ends / Flanş: DIN EN 558-1/1

Test: EN 12266



| NO | PART NAME  | PARÇA ADI    | MATERIAL / MALZEME                   | NO | PART NAME | PARÇA ADI | MATERIAL / MALZEME                   |
|----|------------|--------------|--------------------------------------|----|-----------|-----------|--------------------------------------|
| 1  | Body       | Gövde        | GG 25 / GGG-40 SS / GS-C 25 / Bronze | 9  | Nut       | Somun     | 5 D/SS                               |
| 2  | Gasket     | Conta        | PTFE                                 | 10 | Ball      | Küre      | AISI 304 / AISI 316 / Bronze         |
| 3  | Stem       | Mil          | AISI 304 / AISI 316                  | 11 | Seat      | Ring      | PTFE                                 |
| 4  | Gasket     | Conta        | PTFE                                 | 12 | Flange    | Flanş     | GG 25 / GGG-40 SS / GS-C 25 / Bronze |
| 5  | Gland Bush | Baskı Burcu  | Ms 58 / AISI 304                     | 13 | Stud      | Saplama   | 5.6 / SS                             |
| 6  | Stopper    | Hareket Pulu | St 37 / AISI 304                     | 14 | Washer    | Rondela   | St 37 / AISI 304                     |
| 7  | Lever      | Kol          | St 37 / AISI 304                     | 15 | Nut       | Somun     | 5 D/SS                               |
| 8  | Washer     | Rondela      | St 37 / AISI 304                     |    |           |           |                                      |

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Ball Valves

| Nominal Diameter / Anma Çapı                                                           | DN     | 15  | 20  | 25  | 32  | 40   | 50    | 65    | 80   | 100  | 125 | 150 |
|----------------------------------------------------------------------------------------|--------|-----|-----|-----|-----|------|-------|-------|------|------|-----|-----|
| Valve Dimensions / Vana Boyutları<br>DIN EN 558-1-1<br>DIN EN 558-1-1-27<br>DIN 3357-2 | L      | 130 | 150 | 160 | 180 | 200  | 230   | 290   | 310  | 350  | 400 | 350 |
|                                                                                        | G max. | 160 | 180 | 180 | 250 | 300  | 320   | 350   | 450  | 500  | 700 | 700 |
|                                                                                        | H max. | 95  | 110 | 115 | 130 | 135  | 145   | 155   | 195  | 220  | 265 | 300 |
| Flange Dimensions / Flanş Ölçüleri<br>DIN EN 1092-1-2 PN 10-16                         | D      | 95  | 105 | 115 | 140 | 150  | 165   | 185   | 200  | 220  | 250 | 285 |
|                                                                                        | k      | 65  | 75  | 85  | 100 | 110  | 125   | 145   | 160  | 180  | 210 | 240 |
| Flange Dimensions / Flanş Ölçüleri<br>DIN EN 1092-1-2 PN 25                            | D      | 95  | 105 | 115 | 140 | 150  | 165   | 185   | 200  | 235  | 270 | 300 |
|                                                                                        | k      | 65  | 75  | 85  | 100 | 110  | 125   | 145   | 160  | 190  | 220 | 250 |
| Flange Dimensions / Flanş Ölçüleri<br>DIN EN 1092-1-2 PN 40                            | D      | 95  | 105 | 115 | 140 | 150  | 165   | 185   | 200  | 235  | 270 | 300 |
|                                                                                        | k      | 65  | 75  | 85  | 100 | 110  | 125   | 145   | 160  | 190  | 220 | 250 |
| Weight / Ağırlık                                                                       | kg     | 2,3 | 3,8 | 4   | 6,5 | 8,55 | 13,55 | 20,15 | 29,5 | 40,3 | 68  | 86  |

Pressure Rate / Basınç Aralığı: PN 16

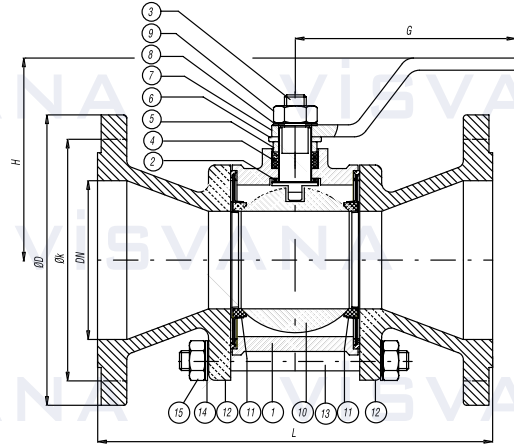
Temperature / Sıcaklık:

TS 3148/19 DIN 3357

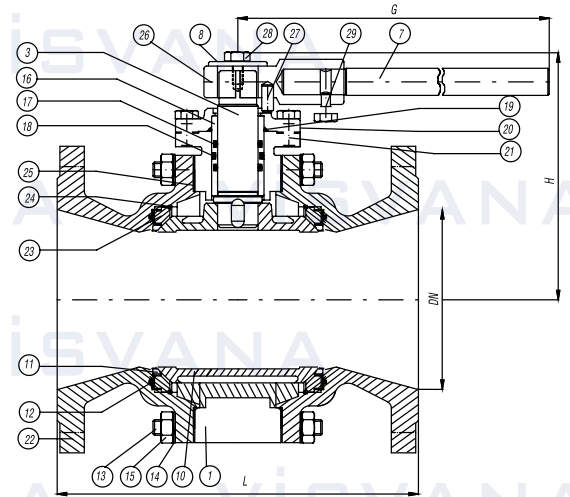
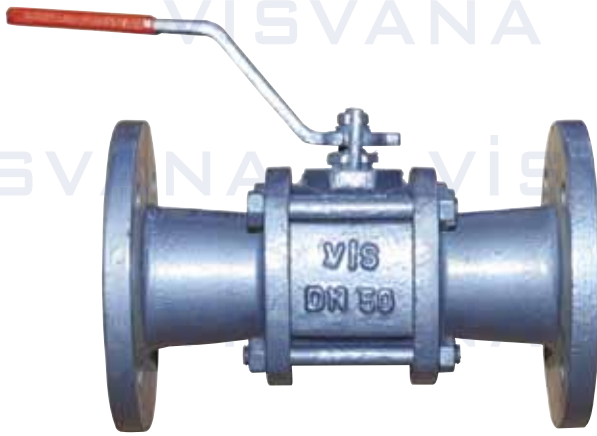
DN 20/15 DN 250/200

BBFT No: 210-700

210-780



DIN 20/15.....DN150/125 DIN 3202/2-F1



DN200/150...DN250/200 DIN 3202/2-F5

| NO | PART NAME   | PARÇA ADI    | MATERIAL / MALZEME    | NO | PART NAME     | PARÇA ADI    | MATERIAL / MALZEME    |
|----|-------------|--------------|-----------------------|----|---------------|--------------|-----------------------|
| 1  | Body        | Gövde        | GG 25 / GGG-40-50     | 16 | Stem Bush     | Mil Yatağı   | PTFE                  |
| 2  | Gasket      | Alt Teflonu  | PTFE                  | 17 | O-Ring        | O-Ring       | EPDM                  |
| 3  | Stem        | Mil          | AISI 1304 / AISI 1316 | 18 | O-Ring        | O-Ring       | EPDM                  |
| 4  | Gasket      | Teflon Ring  | PTFE                  | 19 | O-Ring        | O-Ring       | EPDM                  |
| 5  | Gland Bush  | Baskı Burcu  | Ms 58 / AISI 1304     | 20 | Bonnet        | Kapak        | GG 25 / GGG-40-50     |
| 6  | Stopper     | Hareket Pulu | St 37 / AISI 1304     | 21 | Bolt          | Civata       | 5 D / SS              |
| 7  | Lever       | Kol          | St 37 / AISI 1304     | 22 | O-Ring        | O-Ring       | EPDM                  |
| 8  | Washer      | Rondela      | St 37 / AISI 1304     | 23 | Support Ring  | Destek Ringi | GG 25 / GGG-40-50     |
| 9  | Nut         | Somun        | 5 D/SS                | 24 | Saffety Wire  | Emniyet Teli | AISI 1304             |
| 10 | Ball        | Küre         | AISI 304              | 25 | Gasket        | Conta        | Klingerit / Franzelit |
| 11 | Spring Seal | Tabak Yay    | AISI 304+ PTFE        | 26 | Lever Adaptor | Kol Adaptörü | GG 25 / GGG-40-50     |
| 12 | Flange      | Yan Flanş    | GG 25 / GGG-40-50     | 27 | Pin           | Hareket Pimi | AISI 1304             |
| 13 | Stud        | Saplama      | 5.6/SS                | 28 | Washer        | Rondela      | St 37 / AISI 1304     |
| 14 | Washer      | Rondela      | St 37 / 304           | 29 | Bolt          | Civata       | 5 D / SS              |
| 15 | Nut         | Somun        | 5 D / SS              |    |               |              |                       |

| Nominal Diameter / Anma Çapı       | DN     | 20  | 25  | 32  | 40  | 50   | 65    | 80   | 100  | 125  | 150  | 200 | 250  |
|------------------------------------|--------|-----|-----|-----|-----|------|-------|------|------|------|------|-----|------|
| Valve Dimensions / Vana Boyutları  | L      | 150 | 160 | 180 | 200 | 230  | 290   | 310  | 350  | 400  | 450  | 400 | 450  |
| TS 3148/19                         | G max. | 160 | 180 | 180 | 250 | 300  | 320   | 350  | 450  | 500  | 700  | 700 | 1000 |
| DIN 3357                           | H max. | 95  | 110 | 115 | 130 | 135  | 145   | 155  | 195  | 220  | 265  | 300 | 380  |
| Flange Dimensions / Flanş Ölçüleri | D      | 105 | 115 | 140 | 150 | 165  | 185   | 200  | 220  | 250  | 285  | 340 | 405  |
| TS 810 / DIN 2501 PN 16            | k      | 75  | 85  | 100 | 110 | 125  | 145   | 160  | 180  | 210  | 240  | 295 | 355  |
| Weight / Ağırlık                   | kg     | 2,7 | 3,5 | 5,4 | 6,8 | 9,55 | 15,15 | 21,6 | 30,2 | 44,8 | 72,2 | 100 | 141  |

# THREADED BALL VALVE (FULL BORE-REDUCED BORE)

## DİŞLİ KÜRESEL VANALAR (TAM GEÇİŞLİ - REDÜKSİYON GEÇİŞLİ)

# VTDK-16



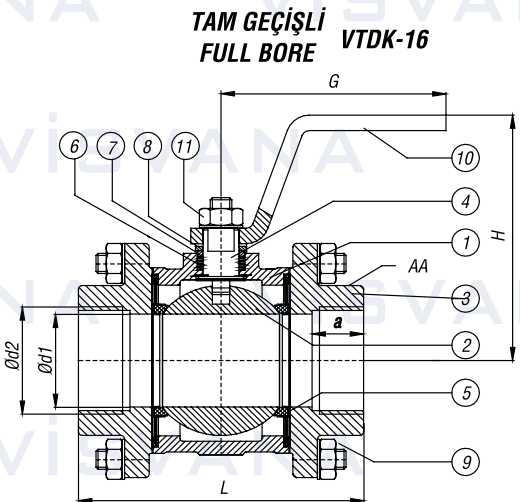
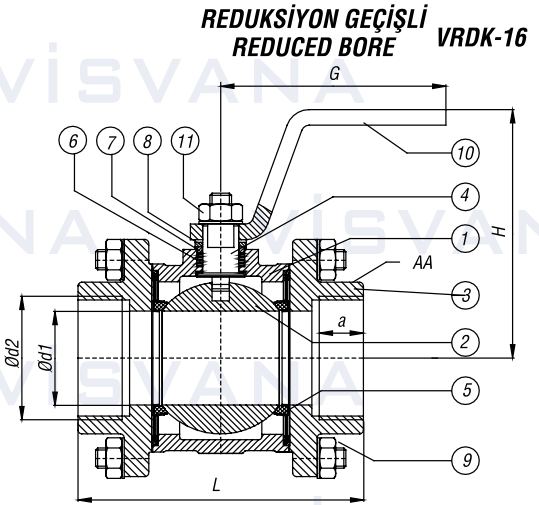
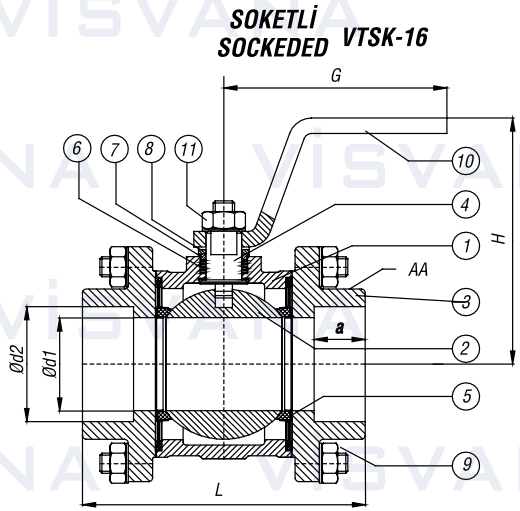
Pressure Rate / Basınç Aralığı: PN16-40-63

Size Range / Ölçü Aralığı: DN 1/2"/10 - DN 1 1/2"/50  
DN 3/8"/ DN 1 1/2"

Temperature / Sıcaklık: -30 oC+250 oC

Flange Ends / Flanş: DIN 2999(Dişli)

| NO | PART NAME | PARÇA ADI    | MATERIAL / MALZEME     |
|----|-----------|--------------|------------------------|
| 1  | Body      | Gövde        | GG 25 / GGG-40/GS-C 25 |
| 2  | Ball      | Küre         | 1.4301                 |
| 3  | Flange    | Flanş        | GG 25 / GGG-40/GS-C 25 |
| 4  | Spindle   | Mil          | 1.4021                 |
| 5  | Seat      | Tabak Yay    | PTFE + 1.4301          |
| 6  | Packing   | Conta        | PTFE + 1.4301          |
| 7  | Gland     | Baskı        | Ms 58                  |
| 8  | Stopper   | Hareket Pulu | Sı 37                  |
| 9  | Stud      | Saplama      | 5,6                    |
| 10 | Lever     | Kol          | Sı                     |
| 11 | Nut       | Somun        | 8                      |



|                                    | DN        | Dimensions / Boyutlar |     |     | Bağlantı Özellikleri |    |          |      | Diameter<br>Ağırlık<br>kg |
|------------------------------------|-----------|-----------------------|-----|-----|----------------------|----|----------|------|---------------------------|
|                                    |           | L                     | H   | G   | AA                   | d1 | d2       | a    |                           |
| Reduced Bore<br>Redüksiyon Geçişli | 1/2"/10   | 70                    | 89  | 130 | 27                   | 10 | R 1/2"   | 15,5 | 0,65                      |
|                                    | 3/4"/15   | 75                    | 93  | 130 | 32                   | 15 | R 3/4"   | 16,0 | 1,3                       |
|                                    | 1"/20     | 95                    | 110 | 160 | 41                   | 20 | 1"       | 19,0 | 1,5                       |
|                                    | 1 1/4"/25 | 105                   | 113 | 160 | 50                   | 25 | R 1 1/4" | 19,0 | 2,2                       |
|                                    | 1 1/2"/32 | 110                   | 127 | 200 | 55                   | 32 | R 1 1/2" | 19,0 | 3,8                       |
|                                    | 2"/40     | 125                   | 134 | 200 | 70                   | 40 | R 2"     | 20,0 | 4,5                       |
|                                    | 2 1/2"/50 | 188                   | 165 | 280 | 95                   | 50 | R 2 1/2" | 38,0 | 11,0                      |
| Full Bore<br>Tam Geçişli           | 1/4"/10   | 70                    | 89  | 130 | 27                   | 10 | R 1/4"   | 10,5 | 0,60                      |
|                                    | 3/8"      | 70                    | 89  | 130 | 27                   | 10 | R 3/8"   | 11,5 | 0,60                      |
|                                    | 1/2"      | 75                    | 93  | 130 | 32                   | 15 | R 1/2"   | 15,5 | 0,70                      |
|                                    | 3/4"      | 95                    | 110 | 160 | 41                   | 20 | R 3/4"   | 16,0 | 1,2                       |
|                                    | 1"        | 105                   | 113 | 160 | 50                   | 25 | R 1"     | 19,0 | 1,8                       |
|                                    | 1 1/4"    | 110                   | 127 | 200 | 55                   | 32 | R 1 1/4" | 19,0 | 3,3                       |
|                                    | 1 1/2"    | 125                   | 134 | 200 | 70                   | 40 | R 1 1/2" | 19,0 | 3,7                       |
| Socketed<br>Soketli                | 2"        | 150                   | 141 | 280 | 75                   | 50 | R 2"     | 20,0 | 5,0                       |
|                                    | 3/8"      | 70                    | 89  | 130 | 27                   | 10 | 17,6     | 10   | 0,70                      |
|                                    | 1/2"      | 75                    | 93  | 130 | 32                   | 15 | 21,8     | 10   | 1,0                       |
|                                    | 3/4"      | 95                    | 110 | 160 | 41                   | 20 | 27,1     | 13   | 1,5                       |
|                                    | 1"        | 105                   | 113 | 160 | 50                   | 25 | 33,8     | 13   | 3,0                       |
|                                    | 1 1/4"    | 110                   | 127 | 200 | 55                   | 32 | 42,6     | 13   | 3,5                       |
|                                    | 1 1/2"    | 125                   | 134 | 200 | 70                   | 40 | 48,7     | 13   | 4,4                       |

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Ball Valves

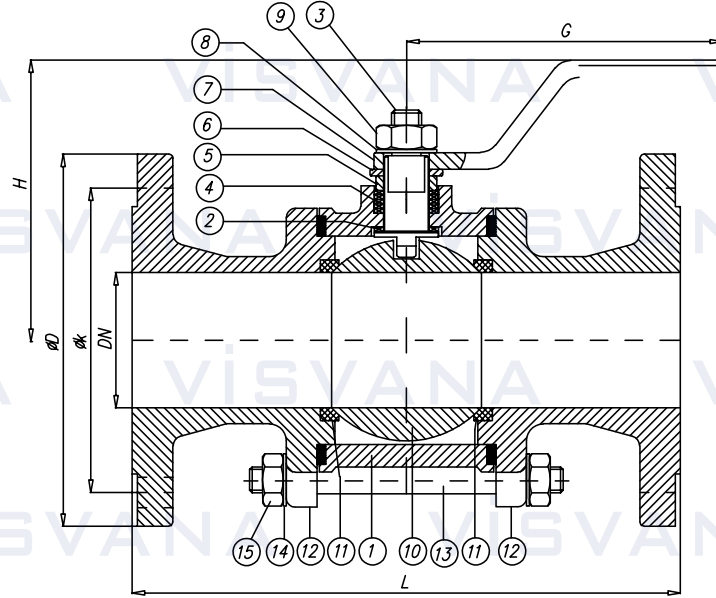


Pressure Rate / Basınç Aralığı: PN16-25-40

Size Range / Ölçü Aralığı: DN 15-150

DIN EN 558-1/1 DIN EN 12266

DIN 3357-2



| NO | PART NAME  | PARÇA ADI    | MATERIAL / MALZEME  | NO | PART NAME | PARÇA ADI   | MATERIAL / MALZEME  |
|----|------------|--------------|---------------------|----|-----------|-------------|---------------------|
| 1  | Body       | Gövde        | AISI 304 / AISI 316 | 9  | Nut       | Somun       | 5 D/SS              |
| 2  | Gasket     | Alt Teflonu  | PTFE                | 10 | Ball      | Küre        | AISI 304 / AISI 316 |
| 3  | Stem       | Mil          | AISI 304 / AISI 316 | 11 | Seat      | Küre Yatağı | PTFE                |
| 4  | Gasket     | Teflon Ring  | PTFE                | 12 | Flange    | Yan Flanş   | AISI 304 / AISI 316 |
| 5  | Gland Bush | Baskı Burcu  | AISI 304 / AISI 316 | 13 | Stud      | Saplama     | St / SS             |
| 6  | Stopper    | Hareket Pulu | AISI 304 / AISI 316 | 14 | Washer    | Rondela     | St / SS             |
| 7  | Lever      | Kol          | AISI 304 / AISI 316 | 15 | Nut       | Somun       | 5 D/SS              |
| 8  | Washer     | Rondela      | AISI 304 / AISI 316 |    |           |             |                     |

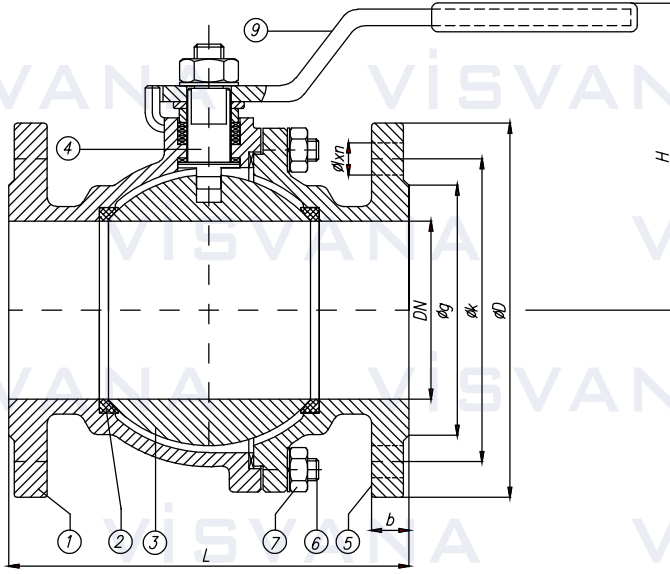
| Nominal Diameter / Anma Çapı                                                       | DN     | 15  | 20  | 25  | 32  | 40   | 50    | 65    | 80   | 100  | 125 | 150 |
|------------------------------------------------------------------------------------|--------|-----|-----|-----|-----|------|-------|-------|------|------|-----|-----|
| Valve Dimensions / Vana Boyutları<br>DIN EN 558-1-1/15<br>DIN 3357-2<br>TS 3148/17 | L      | 130 | 150 | 160 | 180 | 200  | 230   | 290   | 310  | 350  | 400 | 350 |
|                                                                                    | G max. | 160 | 180 | 180 | 250 | 300  | 320   | 350   | 450  | 500  | 700 | 700 |
|                                                                                    | H max. | 95  | 110 | 115 | 130 | 135  | 145   | 155   | 195  | 220  | 265 | 300 |
| Flange Dimensions / Flanş Ölçüleri<br>DIN EN 1092-1-2 PN 10-16                     | D      | 95  | 105 | 115 | 140 | 150  | 165   | 185   | 200  | 220  | 250 | 285 |
|                                                                                    | k      | 65  | 75  | 85  | 100 | 110  | 125   | 145   | 160  | 180  | 210 | 240 |
| Flange Dimensions / Flanş Ölçüleri<br>DIN EN 1092-1-2 PN 25                        | D      | 95  | 105 | 115 | 140 | 150  | 165   | 185   | 200  | 235  | 270 | 300 |
|                                                                                    | k      | 65  | 75  | 85  | 100 | 110  | 125   | 145   | 160  | 190  | 220 | 250 |
| Flange Dimensions / Flanş Ölçüleri<br>DIN EN 1092-1-2 PN 40                        | D      | 95  | 105 | 115 | 140 | 150  | 165   | 185   | 200  | 235  | 270 | 300 |
|                                                                                    | k      | 65  | 75  | 85  | 100 | 110  | 125   | 145   | 160  | 190  | 220 | 250 |
| Weight / Ağırlık                                                                   | kg     | 2,3 | 3,8 | 4   | 6,5 | 8,55 | 13,55 | 20,15 | 29,5 | 40,3 | 68  | 86  |

# BALL VALVE, FULL BORE TAM GEÇİŞLİ KÜRESEL VANA

# VKVP-16



Dimensions / Boyutlar: DIN 3357  
Flange Ends / Flanş: DIN EN 1092-1  
Test: API 598 - DIN EN 12266  
DIN EN 558-1-14



| NO | PART NAME | PARÇA ADI   | MATERIAL / MALZEME                                       |
|----|-----------|-------------|----------------------------------------------------------|
| 1  | Body      | Gövde       | Paslanmaz Döküm AISI 316 Cast Stainless Steel AISI 316   |
| 2  | Body Seat | Gövde Burcu | Teflon / PTFE                                            |
| 3  | Ball      | Küre        | Paslanmaz Döküm AISI 316 - Cast Stainless Steel AISI 316 |
| 4  | Stem      | Mil         | Paslanmaz Çelik - Stainless Steel ASTM A182 Gr. F316     |
| 5  | Bonnet    | Kapak       | Paslanmaz Döküm AISI 316 - Cast Stainless Steel AISI 316 |
| 6  | Stud      | Saplama     | Paslanmaz Çelik - Stainless Steel ASTM A182 Gr. F316     |
| 7  | Nut       | Somun       | Paslanmaz Çelik - Stainless Steel ASTM A182 Gr. F316     |
| 8  | Lever     | Kol         | Sfero Döküm veya Çelik - Ductile Iron and Steel          |

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Ball Valves

| Valve Dimensions / Boyut Ölçüleri DIN 3357 |     |     | PN 16<br>Flange Dimensions / Flanş Ölçüleri DIN EN 1092 |     |     |    |         | Weight / Ağırlık |
|--------------------------------------------|-----|-----|---------------------------------------------------------|-----|-----|----|---------|------------------|
| DN                                         | L   | H   | ØD                                                      | Øk  | Øg  | b  | ØLxn    | Kg.              |
| 32                                         | 130 | 110 | 140                                                     | 100 | 78  | 18 | Øk18x4  | 8                |
| 40                                         | 140 | 160 | 150                                                     | 110 | 88  | 18 |         | 11               |
| 50                                         | 150 | 160 | 165                                                     | 125 | 102 | 18 |         | 16               |
| 65                                         | 170 | 170 | 185                                                     | 145 | 122 | 18 |         | 25               |
| 80                                         | 180 | 210 | 200                                                     | 160 | 138 | 20 | Øk18x8  | 35               |
| 100                                        | 190 | 240 | 220                                                     | 180 | 158 | 20 |         | 50               |
| 125                                        | 200 | 280 | 250                                                     | 210 | 188 | 22 |         | 74               |
| 150                                        | 210 | 330 | 285                                                     | 240 | 212 | 22 | Øk22x8  | 110              |
| 200                                        | 230 | 400 | 340                                                     | 295 | 268 | 24 | Øk37x12 | 155              |

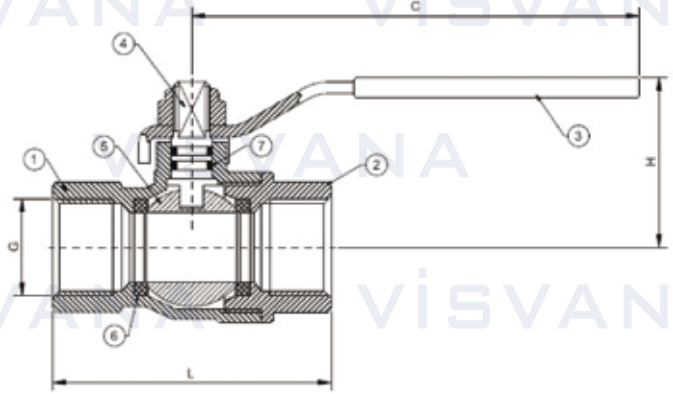
Pressure Rate / Basınç Aralığı: PN 63

Size Range / Ölçü Aralığı: 1/2"-4"

Temperature / Sıcaklık: -10....+180 °C

Flange Ends / Flanş: BSP Dişli - Threaded

Test: DIN EN 12266



### PRESSURE - TEMPERATURE

|    |               |
|----|---------------|
| c  | -10 ..... 150 |
| PN | 63            |

| NO | PART NAME | PARÇA ADI | MATERIAL / MALZEME             |
|----|-----------|-----------|--------------------------------|
| 1  | Body      | Gövde     | Stainless Steel 304 / 316      |
| 2  | Bonnet    |           | Stainless Steel 304 / 316      |
| 3  | Lever     | Kol       | Stainless Steel + Vinly Plated |
| 4  | Stem      | Mil       | Stainless Steel 304 / 316      |
| 5  | Ball      | Küre      | Stainless Steel 304 / 316      |
| 6  | Seals     |           | PTFE                           |
| 7  | O-Ring    | O-Ring    | PTFE                           |

| Nominal Pressure / Anma Basıncı   | PN 63 |      |      |     |     |     |     |
|-----------------------------------|-------|------|------|-----|-----|-----|-----|
| Nominal Diameter / Anma Çapı      | DN    | 15   | 20   | 25  | 32  | 40  | 50  |
| Valve Dimensions / Vana Boyutları | G     | 1/2" | 3/4" | 1"  | 1"  | 1"  | 2"  |
|                                   | L     | 75   | 80   | 90  | 110 | 120 | 140 |
|                                   | A     | 103  | 123  | 123 | 153 | 153 | 185 |
|                                   | H     | 52   | 61   | 65  | 79  | 83  | 97  |
| Weight / Ağırlık                  | kg    | 0,2  | 0,5  | 0,8 | 1,1 | 1,8 | 3   |