# Шаровые краны GUQ, GUD, GU
# Технические характеристики


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# GUQ Series Pneumatic Vacuum (Pressure) Ball Valve

Description: Guq series pneumatic vacuum (pressure) ball valve is applicable to connect or cut off the medium flow in the pipeline in the vacuum system.

Guq series pneumatic vacuum (pressure) ball valve is applicable to connect or cut off the medium flow in the pipeline in the vacuum system. The valve is powered by compressed air. By controlling the pneumatic components to change the direction of the air path, push the mechanical transmission of the piston rack and gear, and drive the ball valve to do the opening and closing movement with the angular stroke output torque. The valve is straight through type, sealed by spherical surface, so it can be used in vacuum state or low pressure state, and can be installed at any position. The air cylinder is divided into double acting and single acting (spring return). It can be equipped with feedback signal device and electric valve positioner.

Applicable working medium is acid and alkaline gas or liquid.

| | |
|---|---|
| applicability ( Pa ) | Quick release flange ( KF ) 2×105 ~1.3×10-6 |
| | looper flange 6×105 ~1.3×10-6 |
| Valve leak rate ( Pa.L/S) | ≤1.3×10-6 |
| Applicable temperature ( ℃ ) | Standard delivery：-30~+150 |
| | Special designation：-30~+240 |
| Air source pressure ( MPa) | 0.4~0.8 |

| | |
|---|---|
| Flange standard | GB4982；GB/T6070 |
| Installation position | arbitrarily |
| supply voltage | Standard delivery：AC220V/50Hz |
| | Special designation：①AC110V;②DC24V;③DC12V |
| signal feedback | Standard delivery：Valve position indicator |
| | Special designation：① Microswitch ② intelligent 4 ~ 20mA DC ③ explosion proof microswitch |
| Cylinder Optional | Standard delivery：Double acting |
| | Special designation：Single acting (with spring return) available in N.O. or N.C |

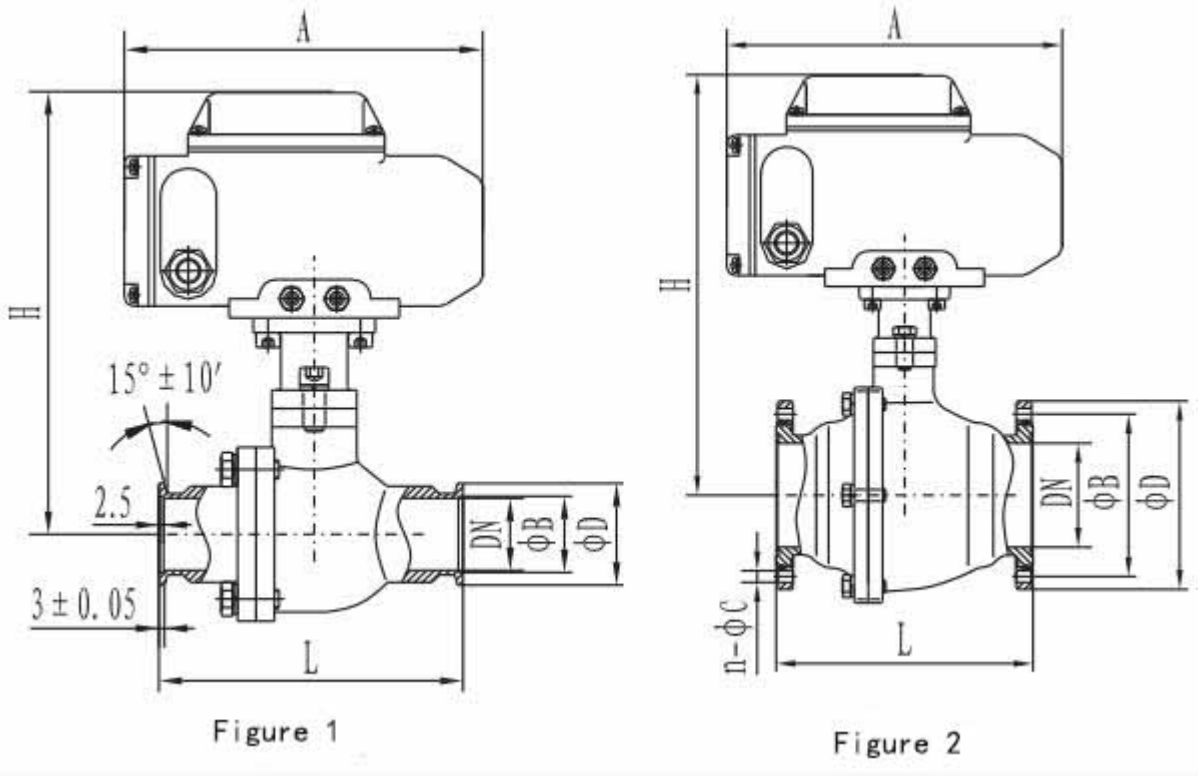



Figure 1 quick release flange (KF) connection and boundary dimension (gb4982)

| model | Drift diameter ( DN ) | ΦD | ΦB | H | L | A |
|---|---|---|---|---|---|---|
| GUQ-10/KF | 10 | 30 | 12.2 | 160 | 92 | 146 |
| GUQ-16/KF | 16 | 30 | 17.2 | 162 | 100 | 146 |
| GUQ-25/KF | 25 | 40 | 26.2 | 191 | 114 | 168 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GUQ-40/KF | 40 | 55 | 41.2 | 267 | 165 | 260 |
| GUQ-50/KF | 50 | 75 | 52.2 | 289 | 175 | 268 |

Figure 2 looper flange connection and boundary dimension (GB / t6070)

| model | Drift diameter ( DN ) | ΦD | ΦB | H | L | A | n-ΦC |
|---|---|---|---|---|---|---|---|
| GUQ-10 | 10 | 50 | 40 | 160 | 92 | 146 | 4-Φ6.5 |
| GUQ-16 | 16 | 60 | 45 | 162 | 100 | 146 | |
| GUQ-20 | 20 | 65 | 50 | 191 | 114 | 168 | |
| GUQ-25 | 25 | 70 | 55 | 191 | 114 | 168 | |
| GUQ-32 | 32 | 90 | 70 | 230 | 140 | 204 | 4-Φ9 |
| GUQ-40 | 40 | 100 | 80 | 267 | 165 | 260 | |
| GUQ-50 | 50 | 110 | 90 | 289 | 175 | 268 | |
| GUQ-63 | 63 | 130 | 110 | 313 | 186 | 268 | |
| GUQ-80 | 80 | 145 | 125 | 346 | 198 | 298 | 8-Φ9 |
| GUQ-100 | 100 | 165 | 145 | 375 | 220 | 298 | |
| GUQ-125 | 125 | 200 | 175 | 444 | 266 | 458 | 8-Φ11 |
| GUQ-150 | 150 | 225 | 200 | 497 | 296 | 525 | |
| GUQ-200 | 200 | 285 | 260 | 620 | 390 | 602 | 12-Φ12 |

# GUD Series Electric Vacuum (Pressure) Ball Valve

Description: Gud series electric vacuum (pressure) ball valve adopts rotary electric and electronic regulating valve driving device

Gud series electric vacuum (pressure) ball valve adopts rotary electric and electronic regulating valve driving device, which can realize the control of valve opening, closing or middle position through the switch of external power supply (controlled by manual position switch or computer) or external input signal, so as to connect or cut off the air flow in vacuum pipeline. The valve is straight through type, sealed by spherical surface, so it can be used in vacuum state or low pressure state, and can be installed at any position.

Applicable working medium is acid and alkaline gas or liquid.

| | |
|---|---|
| applicability ( Pa ) | Quick release flange ( KF ) 2×105 ~1.3×10-6 |
| | Looper flange 6×105 ~1.3×10-6 |
| Valve leak rate ( Pa.L/S) | ≤1.3×10-6 |
| Opening and closing time ( S ) | DN≤32 20； DN≥40 30 |
| Applicable temperature ( ℃ ) | Standard delivery：-30~+150 |
| | Special designation：-30~+240 |
| Flange standard GB4982；GB/T6070 | |

| | |
|---|---|
| Installation position | arbitrarily |
| supply voltage | Standard delivery：AC220V/50Hz |
| | Special designation：DC24V |
| control circuit | Standard delivery：AC220V/50Hz Switch |
| | Special designation：Optional ①DC24V Switch |
| | ②4~20mA DCAdjustable |
| | ③1~5V DC Adjustable |
| signal feedback | Optional |

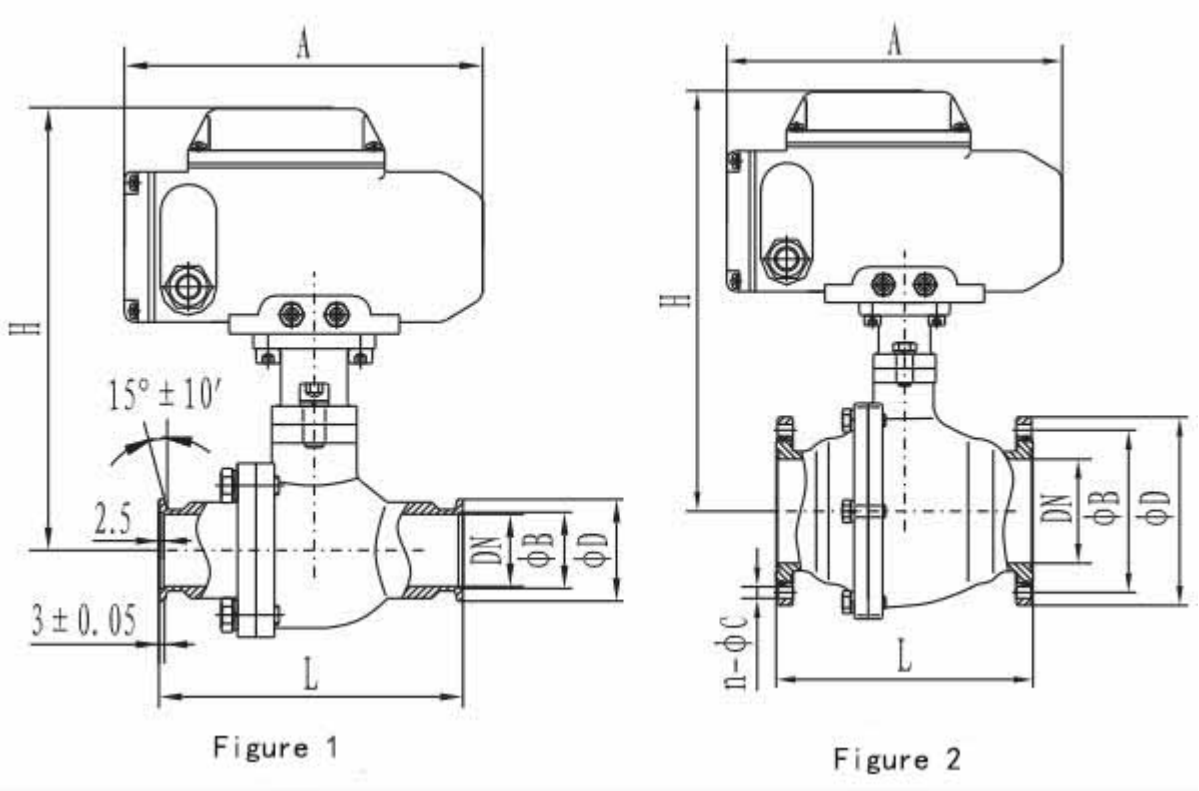



Figure 1 quick release flange (KF) connection and boundary dimension (gb4982)

| model | Drift diameter ( DN ) | ΦD | ΦB | H | L | A |
|---|---|---|---|---|---|---|
| GUD-10/KF | 10 | 30 | 12.2 | 185 | 92 | 166 |
| GUD-16/KF | 16 | 30 | 17.2 | 186 | 100 | |
| GUD-25/KF | 25 | 40 | 26.2 | 201 | 114 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| GUD-40/KF | 40 | 55 | 41.2 | 277 | 165 | 196 |
| GUD-50/KF | 50 | 75 | 52.2 | 286 | 175 | |

Figure 2 looper flange connection and boundary dimension (GB / t6070)

| model | Drift diameter ( DN ) | ΦD | ΦB | H | L | A | n-ΦC |
|---|---|---|---|---|---|---|---|
| GUD-10 | 10 | 55 | 40 | 185 | 92 | 166 | 4-Φ6.5 |
| GUD-16 | 16 | 60 | 45 | 186 | 100 | | |
| GUD-20 | 20 | 65 | 50 | 200 | 114 | | |
| GUD-25 | 25 | 70 | 55 | 201 | 114 | | |
| GUD-32 | 32 | 90 | 70 | 219 | 140 | | 4-Φ9 |
| GUD-40 | 40 | 100 | 80 | 277 | 165 | 196 | |
| GUD-50 | 50 | 110 | 90 | 286 | 175 | | |
| GUD-63 | 63 | 130 | 110 | 310 | 186 | | |
| GUD-80 | 80 | 145 | 125 | 320 | 198 | | 8-Φ9 |
| GUD-100 | 100 | 165 | 145 | 387 | 220 | 255 | |
| GUD-125 | 125 | 200 | 175 | 415 | 266 | | 8-Φ11 |
| GUD-150 | 150 | 225 | 200 | 435 | 296 | | |
| GUD-200 | 200 | 285 | 260 | 512 | 390 | 310 | 12-Φ12 |

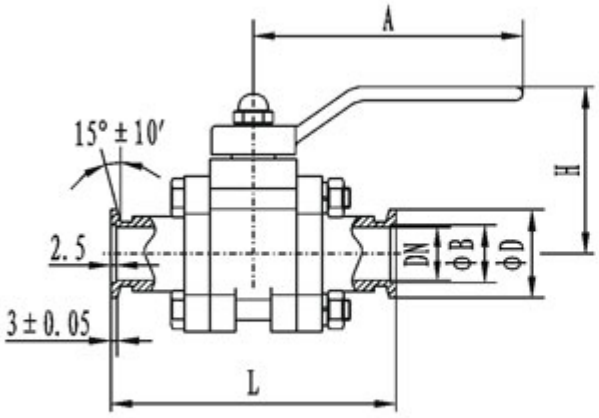
# GU Series Manual Vacuum Ball Valve

Description: GU series manual vacuum ball valve is applicable for the medium flow of connecting or cutting off the pipelines in the Vacuum system.

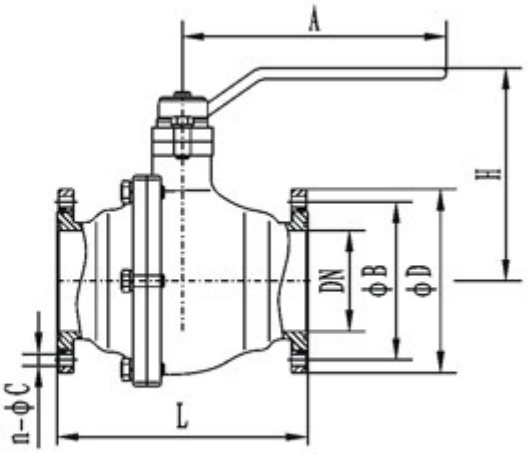
GU series manual vacuum ball valve is applicable for the medium flow of connecting or cutting off the pipelines in the Vacuum system. The straightway manual valve relies on spherical sealing. It can be used in both the vacuum and low pressure conditions. It can also be installed in random position.
The applicable active medium of this valve are acid, alkali gas or liquid.

Main technical performance:

| | |
|---|---|
| Scope (Pa) | Quick release flange ( KF ) 2×105 ~ 1.3×10-5<br>Loose flange 16×105 ~ 1.3×10-5 |
| Valve Leakage Rate(Pa.L/S) | ≤1.3×10-5 |
| Medium temperature ( ℃ ) | Standard manufacture：-30 ~ +150<br>Special designation：-30 ~ +240 |
| Flange Standard | GB4982；GB/T6070 |
| Installation location | Random |



Picture 1



Picture 2

Quick release flange(KF)connection and outline dimension ( GB4982 )

| Model | Nominal Diameter(DN) | ΦD | ΦB | H | L | A |
|---|---|---|---|---|---|---|
| GU-16/KF | 16 | 30 | 17.2 | 62 | 100 | 120 |
| GU-25/KF | 25 | 40 | 26.2 | 75 | 114 | 150 |
| GU-40/KF | 40 | 55 | 41.2 | 115 | 165 | 200 |
| GU-50/KF | 50 | 75 | 52.2 | 125 | 175 | 221 |

Loose flange connection and outline dimension ( GB/T6070 )

| Model | Nominal Diameter(DN) | ΦD | ΦB | H | L | A | n-ΦC |
|---|---|---|---|---|---|---|---|
| GU-16 | 16 | 60 | 45 | 62 | 100 | 120 | 4-6.5 |
| GU-25 | 25 | 70 | 55 | 75 | 114 | 150 | |
| GU-32 | 32 | 90 | 70 | 93 | 140 | 180 | 4-9 |
| GU-40 | 40 | 100 | 80 | 115 | 165 | 200 | |
| GU-50 | 50 | 110 | 90 | 125 | 175 | 221 | |
| GU-63 | 63 | 130 | 110 | 166 | 186 | 230 | |
| GU-80 | 80 | 145 | 125 | 175 | 198 | 290 | 8-9 |
| GU-100 | 100 | 165 | 145 | 189 | 220 | 260 | |
| GU-125 | 125 | 200 | 175 | 232 | 266 | 360 | 8-11 |

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