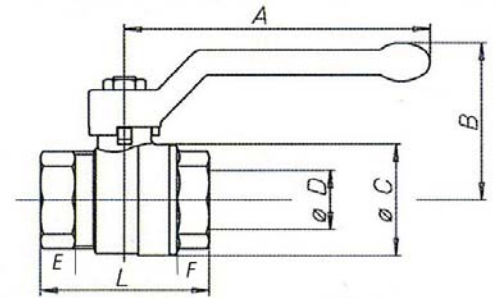


Standardausführung – leichte Ausführung – mit vollem Durchgang.

| | |
|--------------------|---|
| Material | Messing vernickelt |
| Kugel | Messing verchromt |
| Kugeldichtung | PTFE |
| Spindelabdichtung | HNBR / EPDM / PTFE |
| | Dichtungspaket besteht aus 2 O-Ringen (HNBR / EPDM peroxidisch vernetzt) und einer Dichtscheibe (PTFE). Die zusätzliche PTFE-Dichtscheibe minimiert den Verschleiß bei häufiger Betätigung. |
| Hebel | Stahl, mit Kunststoffüberzug |
| Betriebstemperatur | -15 °C bis +90 °C |
| Einsatzbereich | Druckluft, Wasser, nicht giftige und nicht aggressive Gase, Heizungsanlagen, Landwirtschaft |
| Gewinde | G-Gewinde nach DIN EN ISO 228-1 |



Kugelhähne, mit schwarzem Stahlhebel, leichte Ausführung, Innen/Innengewinde

| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|--------|-------|-------|-------|------|------|--------|--------|-----|
| 330.02-S | 103157 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 46,0 | 12,0 | 12,0 | 24,0 | 10,0 | 6 |
| 330.03-S | 103158 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 50,0 | 12,0 | 12,0 | 24,0 | 10,0 | 8 |
| 330.04-S | 103159 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 50,0 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 330.05-S | 103160 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 58,0 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 330.06-S | 103161 | G 1 | 25 | 40 | 105,0 | 52,3 | 69,0 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 330.07-S | 103162 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 80,0 | 13,5 | 13,5 | 59,5 | 32,0 | 84 |
| 330.08-S | 103163 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 91,5 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 330.09-S | 103164 | G 2 | 50 | 40 | 165,0 | 83,4 | 109,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |
| 330.10-S | 103165 | G 2 1/2 | 65 | 40 | 248,0 | 97,0 | 133,0 | 18,5 | 18,5 | 110,0 | 65,0 | 476 |
| 330.11-S | 103166 | G 3 | 80 | 40 | 248,0 | 108,0 | 156,0 | 18,5 | 18,5 | 134,0 | 80,0 | 770 |



330.04-S

Kugelhähne, mit rotem Stahlhebel, leichte Ausführung, Innen/Innengewinde

| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|--------|-------|-------|-------|------|------|--------|--------|-----|
| 330.02-R | 103167 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 46,0 | 12,0 | 12,0 | 24,0 | 10,0 | 6 |
| 330.03-R | 103168 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 50,0 | 12,0 | 12,0 | 24,0 | 10,0 | 8 |
| 330.04-R | 103169 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 50,0 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 330.05-R | 103170 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 58,0 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 330.06-R | 103171 | G 1 | 25 | 40 | 105,0 | 52,3 | 69,0 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 330.07-R | 103172 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 80,0 | 13,5 | 13,5 | 59,5 | 32,0 | 84 |
| 330.08-R | 103173 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 91,5 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 330.09-R | 103174 | G 2 | 50 | 40 | 165,0 | 83,4 | 109,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |
| 330.10-R | 103175 | G 2 1/2 | 65 | 40 | 248,0 | 97,0 | 133,0 | 18,5 | 18,5 | 110,0 | 65,0 | 476 |
| 330.11-R | 103176 | G 3 | 80 | 40 | 248,0 | 108,0 | 156,0 | 18,5 | 18,5 | 134,0 | 80,0 | 770 |



330.04-R

Kugelhähne, mit gelbem Stahlhebel, leichte Ausführung, Innen/Innengewinde

| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----|
| 330.02-B | 103177 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 46,0 | 12,0 | 12,0 | 24,0 | 10,0 | 6 |
| 330.03-B | 103178 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 50,0 | 12,0 | 12,0 | 24,0 | 10,0 | 8 |
| 330.04-B | 103179 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 50,0 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 330.05-B | 103180 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 58,0 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 330.06-B | 103181 | G 1 | 25 | 40 | 105,0 | 52,3 | 69,0 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 330.07-B | 103182 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 80,0 | 13,5 | 13,5 | 59,5 | 32,0 | 84 |
| 330.08-B | 103183 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 91,5 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 330.09-B | 103184 | G 2 | 50 | 40 | 165,0 | 83,4 | 109,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |
| 330.10-B | 103185 | G 2 1/2 | 65 | 40 | 248,0 | 97,0 | 133,0 | 18,5 | 18,5 | 110,0 | 65,0 | 476 |
| 330.11-B | 103186 | G 3 | 80 | 40 | 248,0 | 108,0 | 156,0 | 18,5 | 18,5 | 134,0 | 80,0 | 770 |



330.04-B

Kugelhähne, mit gelbem Stahlhebel, leichte Ausführung, Innen/Innengewinde

| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----|
| 330.02-G | 103187 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 46,0 | 12,0 | 12,0 | 24,0 | 10,0 | 6 |
| 330.03-G | 103188 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 50,0 | 12,0 | 12,0 | 24,0 | 10,0 | 8 |
| 330.04-G | 103189 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 50,0 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 330.05-G | 103190 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 58,0 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 330.06-G | 103191 | G 1 | 25 | 40 | 105,0 | 52,3 | 69,0 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 330.07-G | 103192 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 80,0 | 13,5 | 13,5 | 59,5 | 32,0 | 84 |
| 330.08-G | 103193 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 91,5 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 330.09-G | 103194 | G 2 | 50 | 40 | 165,0 | 83,4 | 109,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |



330.04-G

Kugelhähne, mit schwarzem Stahlhebel, leichte Ausführung, Innen/Außengewinde

| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----|
| 331.02-S | 103195 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 51,0 | 9,4 | 12,0 | 24,0 | 10,0 | 6 |
| 331.03-S | 103196 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 53,0 | 8,6 | 12,0 | 24,0 | 10,0 | 8 |
| 331.04-S | 103197 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 59,8 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 331.05-S | 103198 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 69,5 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 331.06-S | 103199 | G 1 | 25 | 40 | 105,0 | 52,3 | 78,8 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 331.07-S | 103200 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 91,5 | 13,0 | 13,5 | 59,5 | 32,0 | 84 |
| 331.08-S | 103201 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 104,0 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 331.09-S | 103202 | G 2 | 50 | 40 | 165,0 | 83,4 | 121,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |



331.05-S

Kugelhähne, mit rotem Stahlhebel, leichte Ausführung, Innen/Außengewinde

| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----|
| 331.02-R | 103203 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 51,0 | 9,4 | 12,0 | 24,0 | 10,0 | 6 |
| 331.03-R | 103204 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 53,0 | 8,6 | 12,0 | 24,0 | 10,0 | 8 |
| 331.04-R | 103205 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 59,8 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 331.05-R | 103206 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 69,5 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 331.06-R | 103207 | G 1 | 25 | 40 | 105,0 | 52,3 | 78,8 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 331.07-R | 103208 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 91,5 | 13,0 | 13,5 | 59,5 | 32,0 | 84 |
| 331.08-R | 103209 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 104,0 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 331.09-R | 103210 | G 2 | 50 | 40 | 165,0 | 83,4 | 121,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |



331.05-R

Kugelhähne, mit blauem Stahlhebel, leichte Ausführung, Innen/Außengewinde

| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----|
| 331.02-B | 103211 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 51,0 | 9,4 | 12,0 | 24,0 | 10,0 | 6 |
| 331.03-B | 103212 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 53,0 | 8,6 | 12,0 | 24,0 | 10,0 | 8 |
| 331.04-B | 103213 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 59,8 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 331.05-B | 103214 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 69,5 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 331.06-B | 103215 | G 1 | 25 | 40 | 105,0 | 52,3 | 78,8 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 331.07-B | 103216 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 91,5 | 13,0 | 13,5 | 59,5 | 32,0 | 84 |
| 331.08-B | 103217 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 104,0 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 331.09-B | 103218 | G 2 | 50 | 40 | 165,0 | 83,4 | 121,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |



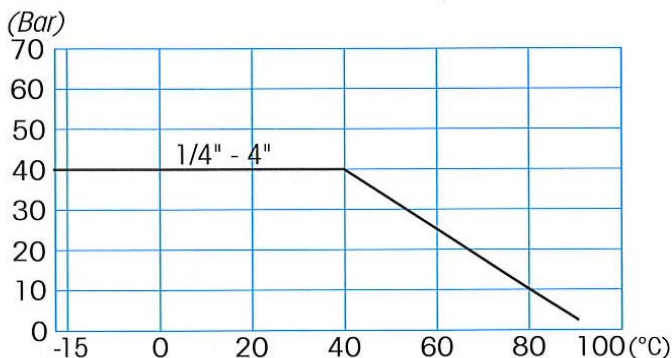
331.05-B

Kugelhähne, mit gelbem Stahlhebel, leichte Ausführung, Innen/Außengewinde

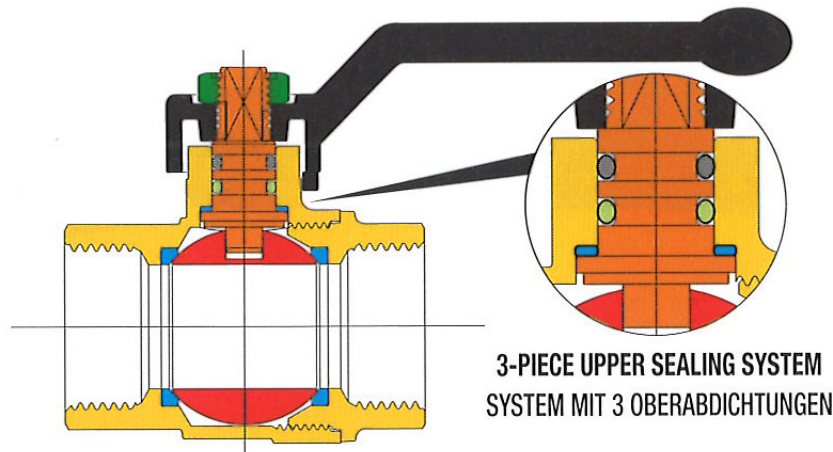
| Artikel Nr. | Ident Nr. | Gewinde | DN | PN bar | A mm | B mm | L mm | E mm | F mm | Ø C mm | Ø D mm | Kv |
|-------------|-----------|---------|----|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----|
| 331.02-G | 103219 | G 1/4 | 8 | 63 | 85,0 | 37,2 | 51,0 | 9,4 | 12,0 | 24,0 | 10,0 | 6 |
| 331.03-G | 103220 | G 3/8 | 10 | 63 | 85,0 | 37,2 | 53,0 | 8,6 | 12,0 | 24,0 | 10,0 | 8 |
| 331.04-G | 103221 | G 1/2 | 15 | 40 | 85,0 | 44,1 | 59,8 | 9,5 | 9,5 | 31,2 | 15,0 | 15 |
| 331.05-G | 103222 | G 3/4 | 20 | 40 | 105,0 | 48,4 | 69,5 | 10,5 | 10,5 | 39,4 | 20,0 | 28 |
| 331.06-G | 103223 | G 1 | 25 | 40 | 105,0 | 52,3 | 78,8 | 12,0 | 12,0 | 47,6 | 25,0 | 39 |
| 331.07-G | 103224 | G 1 1/4 | 32 | 40 | 130,0 | 63,1 | 91,5 | 13,0 | 13,5 | 59,5 | 32,0 | 84 |
| 331.08-G | 103225 | G 1 1/2 | 40 | 40 | 130,0 | 69,1 | 104,0 | 14,5 | 14,5 | 72,0 | 40,0 | 156 |
| 331.09-G | 103226 | G 2 | 50 | 40 | 165,0 | 83,4 | 121,0 | 16,5 | 16,5 | 87,4 | 50,0 | 243 |











331.05-G

PRESSURE/TEMPERATURE DIAGRAM - DRUCK/TEMPERATURDIAGRAMM


SECTION / QUERSCHNITT



LIST OF COMPONENTS: description/materials/treatments
TEILELISTE: Beschreibung / Werkstoffe / Behandlungen

| | | |
|--|---|--|
| Body and threaded end Gehäuse und Gewindemuffe |  | CW617N (Pb ≤ 2,2% DIN 50930T6) |
| Stem Betätigungsspindel |  | CW617N (Pb ≤ 2,2% DIN 50930T6) |
| Chromium pl. polished ball Blank verchromte Kugel |  | CW617N (Pb ≤ 2,2% DIN 50930T6) |
| Seats Dichtungen |  | PTFE |
| O-ring on the stem Oberer O-Ring Spindel |  | HNBR |
| O-ring under the stem Unterer O-Ring Spindel |  | EPDM PEROXIDE / PEROXID-EPDM |
| Operating device Betätigungselement |  | aluminium alloy / alu-Legierung |
| Fixing nut Befestigungsmutter |  | zinc plated steel / zinkstahl |
| Surface treatment Außenbehandlung | - | brilliant nickel-plating / glänzend vernickelte Oberfläche |