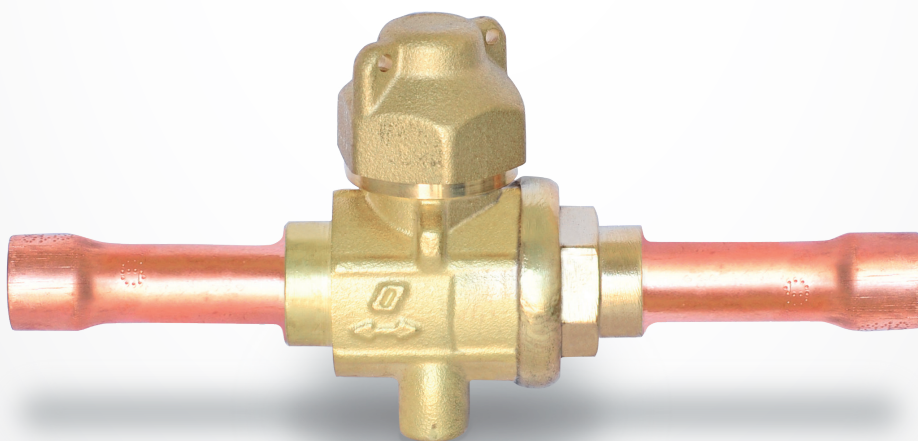


**VALVOLE A SFERA**  
**FLUIDI REFRIGERANTI HCFC-HFC-HFO-HC**  
BALL VALVES - REFRIGERANT FLUIDS HCFC-HFC-HFO-HC

**SERIE 37000**



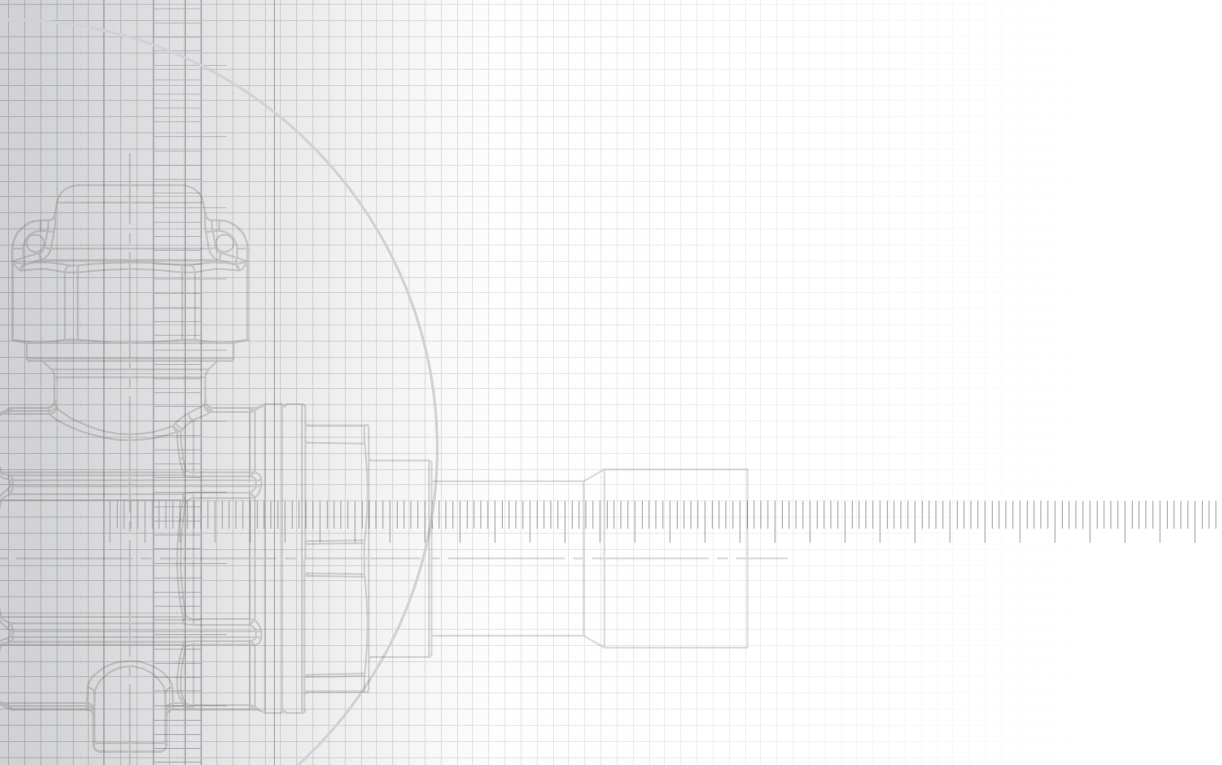
## SCHEMA DI CODIFICA

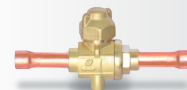
Schema di codifica valvole a sfera serie 37000.

## CODING SCHEME

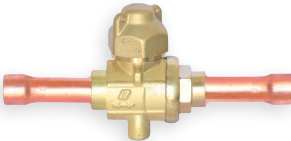
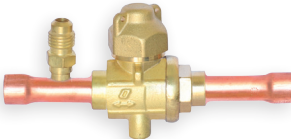
How to read the code of ball valve 37000 series.

| 37000                                                                      | - | TS                             | - | 06                                        | - | 20                                    | - | 1                          |
|----------------------------------------------------------------------------|---|--------------------------------|---|-------------------------------------------|---|---------------------------------------|---|----------------------------|
| <b>Famiglia</b><br>Family                                                  |   | <b>Attacchi</b><br>Connections |   | <b>Misura tubo</b><br>Welding pocket size |   | <b>DN Valvola</b><br>Orifice diameter |   | <b>Varianti</b><br>Models  |
| <b>37000</b>                                                               |   | <b>TS</b>                      |   | <b>M06</b> Ø6                             |   | <b>12</b> 12mm                        |   | <b>0</b>                   |
| <b>Valvola a sfera per impianti di refrigerazione secondo EN12284:2003</b> |   | <b>Tubo rame ODF a saldare</b> |   | <b>01</b> 1/4"                            |   | <b>15</b> 15mm                        |   | <b>Standard</b>            |
| Ball valve for refrigeration systems according to EN 12284:2003            |   | ODF soldering copper pipe      |   | <b>02</b> 3/8"                            |   | <b>20</b> 20mm                        |   | <b>1</b>                   |
|                                                                            |   |                                |   | <b>M10</b> Ø10                            |   | <b>25</b> 25mm                        |   | <b>Valvola di ricarica</b> |
|                                                                            |   |                                |   | <b>M12</b> Ø12                            |   | <b>32</b> 32mm                        |   | Charging valve             |
|                                                                            |   |                                |   | <b>03</b> 1/2"                            |   | <b>40</b> 40mm                        |   |                            |
|                                                                            |   |                                |   | <b>04</b> Ø16 5/8"                        |   | <b>50</b> 50mm                        |   |                            |
|                                                                            |   |                                |   | <b>M18</b> Ø18                            |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>M12</b> Ø12                            |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>05</b> 3/4"                            |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>06</b> Ø22 7/8"                        |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>M28</b> Ø28                            |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>08</b> 1" 1/8                          |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>09</b> Ø35 1" 3/8                      |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>10</b> 1" 5/8                          |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>M42</b> Ø42                            |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>11</b> 2" 1/8                          |   |                                       |   |                            |
|                                                                            |   |                                |   | <b>12</b> 2" 5/8                          |   |                                       |   |                            |





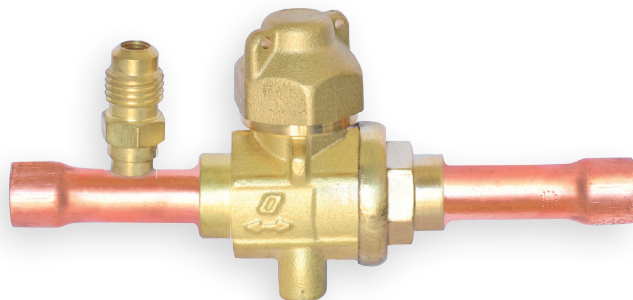
PRESTAZIONI - Valvole a sfera  
PERFORMANCES - Ball valves

| Serie 37000<br>37000 series                                                         | Codice<br>Code    | Modello a<br>passaggio<br>ridotto<br>Reducing<br>port model | Attacchi<br>Connections |           | DN   | Kv<br>[m³/h] | PS<br>[bar] | TS<br>(°C) |     | Principio di<br>funzionamento<br>Working<br>principle                                                                                                               |  |  |  |  |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------|-------------------------|-----------|------|--------------|-------------|------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|                                                                                     |                   |                                                             | Ø<br>[In]               | Ø<br>[mm] |      |              |             | Min        | Max |                                                                                                                                                                     |  |  |  |  |
|                                                                                     |                   |                                                             |                         |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|  | 37000-TS-M6-12-0  |                                                             |                         | 6         | 12MM | 1,0          | 80          | -40        | 150 | Valvola senza<br>raccordo per<br>carico impianto<br>Valve without<br>charge fitting                                                                                 |  |  |  |  |
|                                                                                     | 37000-TS-01-12-0  |                                                             | 1/4                     |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-02-12-0  |                                                             | 3/8                     |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M10-12-0 |                                                             |                         | 10        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M12-12-0 |                                                             |                         | 12        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-03-12-0  |                                                             | 1/2                     |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-04-12-0  | x                                                           | 5/8                     | 16        | 15MM | 7,0          | 80          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-04-15-0  |                                                             | 5/8                     | 16        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M18-15-0 |                                                             |                         | 18        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-05-15-0  | x                                                           | 3/4                     |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-06-15-0  | x                                                           | 7/8                     | 22        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-06-20-0  |                                                             | 7/8                     | 22        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M28-20-0 | x                                                           |                         | 28        | 20MM | 28,0         | 80          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-08-20-0  | x                                                           | 1 1/8                   |           | 25MM | 50,0         | 80          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M28-25-0 |                                                             |                         | 28        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-08-25-0  |                                                             | 1 1/8                   |           | 32MM | 80,0         | 80          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-09-25-0  | x                                                           | 1 3/8                   | 35        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-09-32-0  |                                                             | 1 3/8                   | 35        | 40MM | 97,0         | 60          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-10-32-0  | x                                                           | 1 5/8                   |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M42-32-0 | x                                                           |                         | 42        | 50MM | 175,0        | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-10-40-0  |                                                             | 1 5/8                   |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M42-40-0 | x                                                           |                         | 42        | 50MM | 175,0        | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-11-40-0  | x                                                           | 2 1/8                   | 54        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-11-50-0  |                                                             | 2 1/8                   | 54        | 50MM | 175,0        | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M64-50-0 | x                                                           |                         | 64        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-12-50-0  | x                                                           | 2 5/8                   |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|  | 37000-TS-02-12-1  |                                                             | 3/8                     |           | 12MM | 4,0          | 45          | -40        | 150 | * Valvole con<br>raccordo<br>per carico<br>impianto senza<br>meccanismo<br>di carica e<br>cappuccio<br>Valve with<br>charge fitting<br>without service<br>mechanism |  |  |  |  |
|                                                                                     | 37000-TS-M10-12-1 |                                                             |                         | 10        |      | 7,0          |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M12-12-1 |                                                             |                         | 12        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-03-12-1  |                                                             | 1/2                     |           | 15MM | 14,0         | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-04-15-1  |                                                             | 5/8                     | 16        |      | 19,0         |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M18-15-1 |                                                             |                         | 18        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-05-15-1  | x                                                           | 3/4                     |           | 20MM | 28,0         | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-06-20-1  |                                                             | 7/8                     | 22        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M28-25-1 |                                                             |                         | 28        | 25MM | 50,0         | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-08-25-1  |                                                             | 1 1/8                   |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-09-32-1  |                                                             | 1 3/8                   | 35        | 32MM | 80,0         | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-10-40-1  |                                                             | 1 5/8                   |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M42-40-1 | x                                                           |                         | 42        | 40MM | 97,0         | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-11-50-1  |                                                             | 2 1/8                   | 54        |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-M64-50-1 | x                                                           |                         | 64        | 50MM | 175,0        | 45          | -40        | 150 |                                                                                                                                                                     |  |  |  |  |
|                                                                                     | 37000-TS-12-50-1  | x                                                           | 2 5/8                   |           |      |              |             |            |     |                                                                                                                                                                     |  |  |  |  |

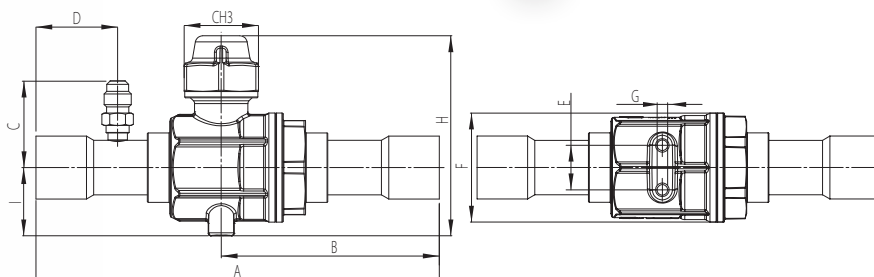
\* Meccanismo di carica non incluso - Service mechanisms not included

**37000-TS-...**

Valvola a sfera  
Ball valve



Attacco tubo rame  
serie TS  
Copper tube connection  
TS series



| Senza raccordo<br>No charge fitting | Con raccordo<br>Charge fitting | ODF       |           | DIMENSIONI - DIMENSIONS |           |           |           |           |           |           |           |           |           |             |
|-------------------------------------|--------------------------------|-----------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Codice<br>Code                      | Codice<br>Code                 | Ø<br>[In] | Ø<br>[mm] | DN<br>[mm]              | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] | H<br>[mm] | I<br>[mm] | CH3<br>[mm] |
| 37000-TS-M6-12-0                    |                                |           | 6         | 12                      | 117       | 62        | -         | -         | 18        | 30        | M5        | 57        | 20        | 25          |
| 37000-TS-01-12-0                    |                                | 1/4       |           |                         | 116       | 63        |           |           |           |           |           |           |           |             |
| 37000-TS-02-12-0                    | 37000-TS-02-12-1               | 3/8       |           |                         | 118       | 64        | 29        | 20        |           |           |           |           |           |             |
| 37000-TS-M10-12-0                   | 37000-TS-M10-12-1              |           | 10        |                         | 121       | 65        | 30        | 23        |           |           |           |           |           |             |
| 37000-TS-M12-12-0                   | 37000-TS-M12-12-1              |           | 12        |                         |           |           |           |           |           |           |           |           |           |             |
| 37000-TS-03-12-0                    | 37000-TS-03-12-1               | 1/2       |           |                         | 131       | 70        | 33        | 24        |           |           |           |           |           |             |
| 37000-TS-04-12-0                    |                                | 5/8       | 16        | 15                      | 139       | 77        | 33        | 24        | 18        | 36        | M5        | 64        | 24        | 25          |
| 37000-TS-04-15-0                    | 37000-TS-04-15-1               | 5/8       | 16        |                         | 141       | 78        |           |           |           |           |           |           |           |             |
| 37000-TS-M18-15-0                   | 37000-TS-M18-15-1              |           | 18        |                         | 147       | 81        |           |           |           |           |           |           |           |             |
| 37000-TS-05-15-0                    | 37000-TS-05-15-1               | 3/4       |           |                         | 177       | 96        | -         | -         |           |           |           |           |           |             |
| 37000-TS-06-15-0                    |                                | 7/8       | 22        |                         | 163       | 88        | 35        | 33        |           |           |           |           |           |             |
| 37000-TS-06-20-0                    | 37000-TS-06-20-1               | 7/8       | 22        | 20                      | 192       | 103       | -         | -         | 18        | 44        | M5        | 80        | 27,5      | 30          |
| 37000-TS-M28-20-0                   |                                |           | 28        |                         | 199       | 106       |           |           |           |           |           |           |           |             |
| 37000-TS-08-20-0                    |                                | 1 1/8     |           |                         | 200       | 107       | 38        | 42.5      |           |           |           |           |           |             |
| 37000-TS-M28-25-0                   | 37000-TS-M28-25-1              |           | 28        | 25                      | 239       | 127       | -         | -         |           |           |           |           |           |             |
| 37000-TS-08-25-0                    | 37000-TS-08-25-1               | 1 1/8     |           |                         | 210       | 112       | -         | -         |           |           |           |           |           |             |
| 37000-TS-09-25-0                    |                                | 1 3/8     |           | 32                      | 210       | 112       |           |           | 42        | 44        | 30        | 63        | M6        | 106         |
| 37000-TS-09-32-0                    | 37000-TS-09-32-1               | 1 3/8     |           |                         |           |           | -         | -         |           |           |           |           |           |             |
| 37000-TS-10-32-0                    |                                | 1 5/8     |           |                         |           |           | 45        | 48        | 30        | 76        |           |           |           |             |
| 37000-TS-M42-32-0                   |                                |           | 42        | -                       | -         |           |           |           |           |           |           |           |           |             |
| 37000-TS-10-40-0                    | 37000-TS-10-40-1               | 1 5/8     |           | 40                      | 229       | 120       | 45        | 48        | 30        | 76        | M6        | 118       | 44        | 34          |
| 37000-TS-M42-40-0                   | 37000-TS-M42-40-1              |           | 42        |                         |           |           |           |           |           |           |           |           |           |             |
| 37000-TS-11-40-0                    |                                | 2 1/8     | 54        | 50                      | 256       | 134       | 51        | 52        | 30        | 92        | M6        | 144       | 54        | 42          |
| 37000-TS-11-50-0                    | 37000-TS-11-50-1               | 2 1/8     | 54        |                         |           |           |           |           |           |           |           |           |           |             |
| 37000-TS-M64-50-0                   | 37000-TS-M64-50-1              |           | 64        |                         |           |           |           |           |           |           |           |           |           |             |
| 37000-TS-12-50-0                    | 37000-TS-12-50-1               | 2 5/8     |           |                         |           |           |           |           |           |           |           |           |           |             |