

# 700000

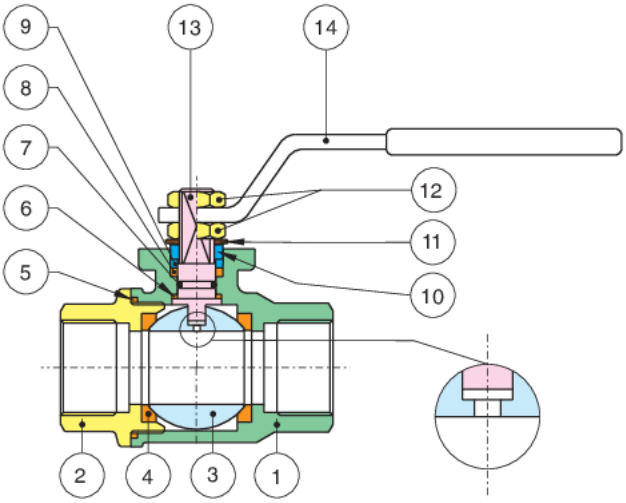
Full bore stainless steel AISI 316-CF8M, ball valve, F/F threading, ISO 5211.

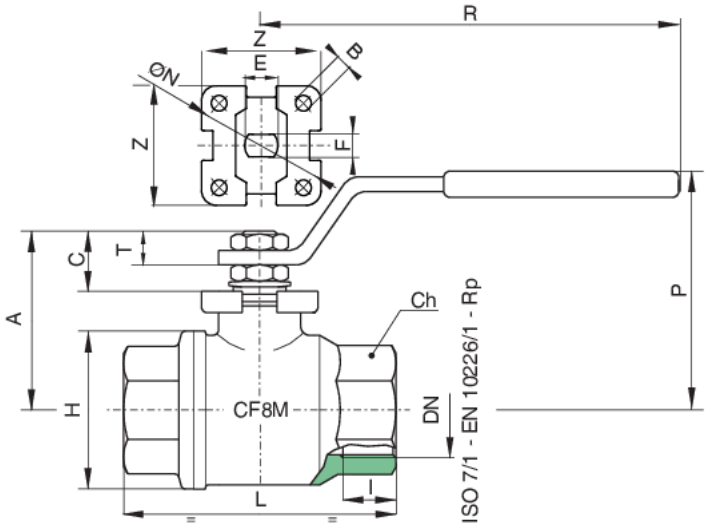
**V-Ball option**

V90 V60 V30-60

Low temperature design -40°C ON DEMAND

## Technical specifications




Temperature range: -20°C +160°C.
Vacuum: $10^{-2}$ torr.

| POSITION | PART NAME | MATERIAL | N.° PIECES |
|---|---|---|---|
| 1 | BODY | A351-CF8M | 1 |
| 2 | END CONNECTION | A351-CF8M | 1 |
| 3 | BALL | A479-TP316/A351-CF8M | 1 |
| 4 | BALL SEAT | PTFE | 2 |
| 5 | SEAT | PTFE | 1 |
| 6 | THRUST WASHER | PTFE | 1 |
| 7 | O-RING | FKM | 1 |
| 8 | STEM SEAT | PTFE | 1 |
| 9 | PACKING GLAND | INOX AISI 303 (1/8"-2") CARBON STEEL (2''1/2-4'') | 1 |
| 10 | END STOP | INOX AISI 430 (1/8"-2") CARBON STEEL (2"1/2-4") | 2-1 |
| 11 | SPRING WASHER | CARBON STEEL (2''1/2-3''-4'') | 2 |
| 12 | NUT | A182-F304 (1/8"-2") CARBON STEEL (2''1/2-4'') | 2 |
| 13 | STEM | A479-TP316/17-4-PH | 1 |
| 14 | HANDLE | INOX AISI 430 (1/8"-2") CARBON STEEL (2"1/2-4") | 1 |

| SIZE | DN | CODE | BOX | I | L | H | CH | R | P | A | C | E | F | ØN | B | Z | KV | PN | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/8" | 6 | 70000001 | 10 | 7,7 | 55 | 30 | ES.22 | 110 | 50 | 35 | 13,5 | 8 | 5 | 36 | 5,5 | 36 | 5 | 140 | 0,29 |
| 1/4" | 8 | 70000002 | 10 | 11 | 55 | 30 | ES.22 | 110 | 50 | 35 | 13,5 | 8 | 5 | 36 | 5,5 | 36 | 5,5 | 140 | 0,27 |
| 3/8" | 10 | 70000003 | 10 | 11,4 | 55 | 30 | ES.22 | 110 | 50 | 35 | 13,5 | 8 | 5 | 36 | 5,5 | 36 | 8,5 | 140 | 0,26 |
| 1/2" | 15 | 70000004 | 10 | 15 | 66 | 36 | ES.27 | 110 | 53 | 38 | 13,5 | 8 | 5 | 36 | 5,5 | 36 | 19,2 | 140 | 0,35 |
| 3/4" | 20 | 70000005 | 5 | 16,3 | 79 | 45 | ES.32 | 131 | 68 | 51 | 15 | 10 | 7 | 42 | 5,5 | 42 | 35 | 105 | 0,65 |
| 1" | 25 | 70000006 | 6 | 19,1 | 93 | 54 | OT.41 | 174 | 79 | 60 | 19,5 | 12 | 8 | 42 | 5,5 | 42 | 64,5 | 105 | 1,02 |
| 1"1/4 | 32 | 70000007 | 2 | 21,4 | 100 | 64 | OT.50 | 174 | 83 | 64,5 | 19,5 | 12 | 8 | 42 | 5,5 | 42 | 103,8 | 64 | 1,40 |
| 1"1/2 | 40 | 70000008 | 2 | 21,4 | 110 | 80 | OT.55 | 250 | 100 | 79 | 24 | 16 | 10 | 50 | 6,5 | 50 | 174 | 64 | 2,35 |
| 2" | 50 | 70000010 | 2 | 25,7 | 131 | 95 | OT.70 | 250 | 107 | 86 | 24 | 16 | 10 | 50 | 6,5 | 50 | 301,3 | 64 | 3,54 |
| 2"1/2 | 65 | 70000012 | 1 | 30,2 | 159 | 122 | OT.90 | 321 | 126 | 104 | 28,5 | 20 | 14 | 70 | M8 | 64 | 545,7 | 25 | 6,95 |
| 3" | 80 | 70000014 | 1 | 33,3 | 185 | 144 | OT.105 | 321 | 137 | 114 | 28 | 20 | 14 | 70 | M8 | 64 | 872,5 | 25 | 10,53 |
| 4" | 100 | 70000018 | 1 | 39,3 | 222 | 177 | OT.130 | 381 | 156 | 137 | 34,5 | 24 | 18 | 102 | M10 | 92 | 1363,3 | 25 | 18,70 |

# Certifications

TUV

ATEX FIRE-SAFE (On request)

SIL 3

F.E. TESTED ISO15848-1

# Spare Parts

- HANDLES

| Code | Material | Size |
|---|---|---|
| RI2012 | AISI 430 | 1/8" |
| RI2012 | AISI 430 | 1/4" |
| RI2012 | AISI 430 | 3/8" |
| RI2012 | AISI 430 | 1/2" |
| RI2013 | AISI 430 | 3/4" |
| RI2014 | AISI 430 | 1" |
| RI2014 | AISI 430 | 1"1/4 |
| RI2015 | AISI 430 | 1"1/2 |
| RI2015 | AISI 430 | 2" |
| RI2016 | A 37 | 2"1/2 |
| RI2016 | A 37 | 3" |
| RI2017 | A 37 | 4" |

## SEATS

| Code | Material | Size |
|---|---|---|
| RI421 | PTFE | 1/8" |
| RI421 | PTFE | 1/4" |
| RI421 | PTFE | 3/8" |
| RI422 | PTFE | 1/2" |
| RI423 | PTFE | 3/4" |
| RI424 | PTFE | 1" |
| RI427 | PTFE | 1"1/4 |
| RI425 | PTFE | 1"1/2 |
| RI426 | PTFE | 2" |
| RI2174 | PTFE | 2"1/2 |
| RI2176 | PTFE | 3" |
| RI2031 | PTFE | 4" |

## BALL

| Code | Material | Size |
|---|---|---|
| 00301000002 | AISI 316 | 1/8" |
| 00301000002 | AISI 316 | 1/4" |
| 00301000002 | AISI 316 | 3/8" |
| 00304000037 | AISI 316 | 1/2" |
| 00305000031 | AISI 316 | 3/4" |
| 00306000031 | AISI 316 | 1" |
| 00307000028 | AISI 316 | 1"1/4 |
| 00308000025 | AISI 316 | 1"1/2 |
| 00310000079 | AISI 316 | 2" |
| 00312000009 | AISI 316 | 2"1/2 |
| 00314000013 | AISI 316 | 3" |
| 00318007006 | AISI 316 | 4" |

## STEMS

| Code | Material | Size |
|---|---|---|
| 00401000003 | AISI 316 | 1/8" |
| 00401000003 | AISI 316 | 1/4" |
| 00401000003 | AISI 316 | 3/8" |
| 00401000003 | AISI 316 | 1/2" |
| 00405000029 | AISI 316 | 3/4" |
| 00406000011 | AISI 316 | 1" |
| 00406000011 | AISI 316 | 1"1/4 |
| 00408000010 | AISI 316 | 1"1/2 |
| 00408000010 | AISI 316 | 2" |
| 00412000021 | AISI 316 | 2"1/ 2 |
| 00412000021 | AISI 316 | 3" |
| 00418000006 | AISI 316 | 4" |