

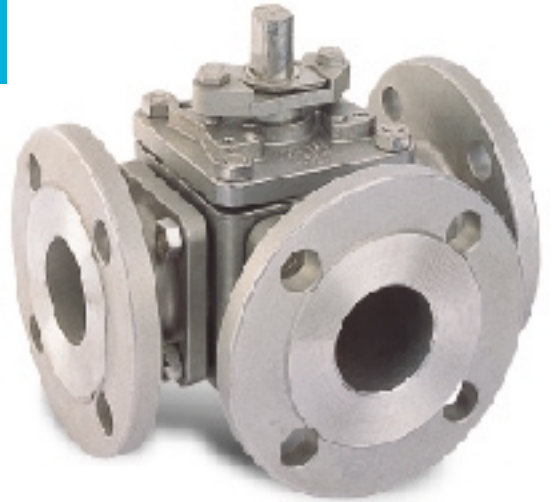
MATERIAL AND TEST CERTIFICATE
 ACCORDING TO
EN 10204 / DIN 50.049-3.1B
 AVAILABLE ON REQUEST



MARS SERIES 30

THREE-WAY MULTI-PORT BALL VALVES

FULL PORT, L OR T OPTION, 1 1/2" TO 12"



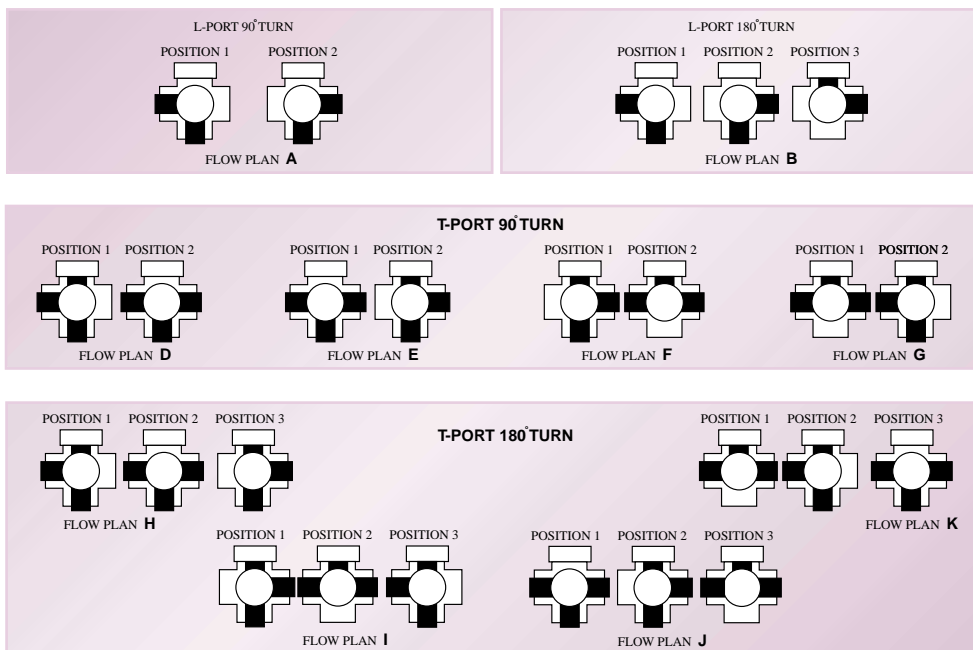
FEATURES

- Available in Stainless Steel and Carbon Steel
- Trunnion Ball Design
- Full Port Ball Orifice
- ISO 5211 Mounting Dimension
- Easy Seat and Packing Replacement
- Investment Cast and Sand Cast Body Construction
- Variety of international Standards Available

AVAILABLE STANDARDS

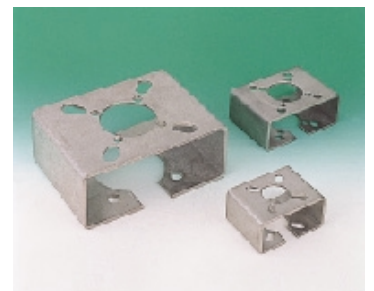
- ANSI CLASS 150 Lb. & CLASS 300 Lb.
- DIN PN 10/16 & PN 25/40
- JIS 10K & 20K

FLOW PATTERNS



AUTOMATION AVAILABLE

Stem Coupler, Adaptor, Bracket, and Namur type of Solenoid Valve available from Mars Valve



MARS VALVE CO.,LTD.

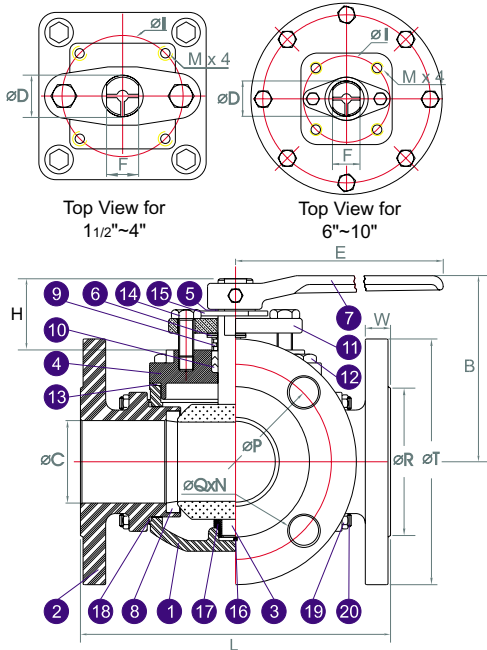
7F-6,NO.200,SEC.4,WEN-SHIN ROAD,TAICHUNG,TAIWAN,R.O.C.

TEL:++886-4-297 3808 FAX:++886-4-297 3608

E-MAIL:mars@marsvalve.com.tw

<http://www.marsvalve.com.tw/>

SERIES 30



MATERIALS LIST

| NO. | PART NAME | MATERIAL | | Q'TY |
|-----|--------------------|--------------------|--------------------|------|
| | | Stainless Steel | Carbon Steel | |
| 1 | Body | ASTM A351 Gr. CF8M | ASTM A216 Gr. WCB | 1 |
| 2 | Flange Cap | ASTM A351 Gr. CF8M | ASTM A216 Gr. WCB | 3 |
| 3 | Ball & Stem | SUS316 | SUS304 | 1 |
| 4 | Top Cover | ASTM A351 Gr. CF8M | ASTM A216 Gr. WCB | 1 |
| 5 | C Retainer Ring | SUS 301 | SUS 301 | 1 |
| 6 | Belleville Washer | SUS 301 | 50CrV | 2 |
| 7 | Handle | Cast Iron | Cast Iron | 1 |
| 8 | Ball Seat | RPTFE | RPTFE | 3 |
| 9 | Gland | SUS 304 | SUS 304 | 1 |
| 10 | V-Ring Packing | PTFE | PTFE | 3 |
| 11 | Bonnet Cap | ASTM A351 Gr. CF8M | ASTM A351 Gr. CF8M | 1 |
| 12 | Cover Bolt | ASTM A193 Gr. B8 | S45C | * |
| 13 | Cover Joint Gasket | PTFE | PTFE | 1 |
| 14 | Bonnet Cap Bolt | ASTM A193 Gr. B8 | S45C | 2 |
| 15 | Stopper | SUS 304 | SUS 304 | 1 |
| 16 | Spring | SUS 304 | SUS 304 | 1 |
| 17 | Bushing | f | f | 1 |
| 18 | Cap Joint Gasket | PTFE | PTFE | 3 |
| 19 | Nut | SUS 304 | S45C | * |
| 20 | Stud | SUS 304 | S45C | * |

* For 1 1/2" to 4" 4pcs; For 6" to 10" 8pcs

f 50% stainless steel powder filled PTFE

* For 1 1/2" to 4" 12pcs; For 6" to 10" 24pcs

DIMENSION(mm)

30-10 ANSI 150# & 30-20 ANSI 300# ANSI B16.5

| SIZE | B | ∅C | ∅D | E | F | H | ∅I | L | *L | M | N | *N | ∅P | *∅P | ∅Q | *∅Q | ∅R | ∅T | *∅T | W | *W | ISO5211 |
|--------|-----|-----|------|------|------|----|--------|-----|-----|-------|----|----|-------|-------|----|-----|-----|-----|-----|------|------|---------|
| 1 1/2" | 115 | 40 | 22.0 | 292 | 17.0 | 49 | 50 | 181 | 188 | 3/8" | 4 | 4 | 98.5 | 114.5 | 16 | 22 | 73 | 127 | 156 | 14.3 | 20.7 | F05 |
| 2" | 122 | 50 | 22.0 | 292 | 17.0 | 47 | 70 | 220 | 238 | 3/8" | 4 | 8 | 120.5 | 127.0 | 19 | 19 | 92 | 152 | 156 | 15.9 | 22.3 | F07 |
| 2 1/2" | 163 | 66 | 29.5 | 385 | 17.0 | 68 | 70 | 283 | 282 | 7/16" | 4 | 8 | 139.5 | 149.0 | 19 | 22 | 105 | 178 | 190 | 17.5 | 25.4 | F07 |
| 3" | 175 | 76 | 29.5 | 385 | 17.0 | 57 | 70/102 | 287 | 301 | 7/16" | 4 | 8 | 152.5 | 168.0 | 19 | 22 | 127 | 190 | 210 | 19.1 | 28.6 | F07/F10 |
| 4" | 215 | 101 | 34.0 | 530 | 23.0 | 66 | 125 | 333 | 384 | 1/2" | 8 | 8 | 190.5 | 200.0 | 19 | 22 | 157 | 229 | 254 | 23.9 | 31.8 | F12 |
| 6" | 256 | 151 | 45.0 | 800 | 35.0 | 73 | 125 | 428 | 468 | 1/2" | 8 | 12 | 241.5 | 270.0 | 22 | 22 | 216 | 279 | 318 | 25.4 | 36.6 | F12 |
| 8" | 303 | 201 | 60.0 | 1000 | 45.0 | 87 | 165 | 530 | 532 | 5/8" | 8 | 12 | 298.5 | 330.0 | 22 | 25 | 270 | 343 | 381 | 28.6 | 41.3 | F16 |
| 10" | 330 | 250 | 60.0 | 1000 | 45.0 | 92 | 165 | 703 | 703 | 5/8" | 12 | 16 | 362 | 387.5 | 25 | 29 | 324 | 406 | 444 | 30.2 | 47.7 | F16 |
| 12" | 370 | 300 | 70.0 | 1000 | 55.0 | 70 | 165 | 760 | 760 | 5/8" | 12 | 16 | 432 | 451 | 25 | 32 | 381 | 483 | 521 | 31.8 | 50.8 | F16 |

30-30 PN 10/16 & 30-40 PN 25/40 DIN 2632/2633

* Dimension for ANSI Class 300

| SIZE | B | ∅C | ∅D | E | F | H | ∅I | L | *L | M | N | *N | ∅P | *∅P | ∅Q | *∅Q | ∅R | *∅R | ∅T | *∅T | W | *W | ISO5211 |
|--------|-----|-----|------|------|------|----|--------|-----|-----|--------|----|----|-------|-------|----|-----|-----|-----|-----|-----|------|------|---------|
| 1 1/2" | 115 | 40 | 22.0 | 292 | 17.0 | 49 | 50 | 188 | 188 | M8 | 4 | 4 | 110.0 | 110.0 | 18 | 18 | 88 | 88 | 150 | 150 | 16.0 | 18.0 | F05 |
| 2" | 122 | 50 | 22.0 | 292 | 17.0 | 47 | 70 | 226 | 220 | M8 | 4 | 4 | 125.0 | 125.0 | 18 | 18 | 102 | 102 | 165 | 165 | 18.0 | 20.0 | F07 |
| 2 1/2" | 163 | 66 | 29.5 | 385 | 17.0 | 68 | 70 | 283 | 287 | M8 | 4 | 8 | 145.0 | 145.0 | 18 | 18 | 122 | 122 | 185 | 185 | 18.0 | 22.0 | F07 |
| 3" | 175 | 76 | 29.5 | 385 | 17.0 | 57 | 70/102 | 296 | 302 | MB/M10 | 8 | 8 | 160.0 | 160.0 | 18 | 18 | 138 | 138 | 200 | 200 | 20.0 | 24.0 | F07/F10 |
| 4" | 215 | 101 | 34.0 | 530 | 23.0 | 66 | 125 | 340 | 349 | M12 | 8 | 8 | 180.0 | 190.0 | 18 | 23 | 158 | 162 | 220 | 235 | 20.0 | 24.0 | F12 |
| 5" | 256 | 125 | 34.0 | 530 | 23.0 | 77 | 125 | 415 | 415 | M12 | 8 | 8 | 210.0 | 220.0 | 18 | 27 | 188 | 188 | 250 | 270 | 20.0 | 26.0 | F12 |
| 6" | 256 | 151 | 45.0 | 800 | 35.0 | 73 | 125 | 450 | 450 | M12 | 8 | 8 | 240.0 | 250.0 | 23 | 27 | 212 | 218 | 285 | 300 | 22.0 | 28.0 | F12 |
| 8" | 303 | 201 | 60.0 | 1000 | 45.0 | 87 | 165 | 530 | 530 | M16 | 8 | 12 | 295.0 | 310.0 | 23 | 27 | 263 | 278 | 340 | 360 | 22.0 | 30.0 | F16 |
| *8" | 303 | 201 | 60.0 | 1000 | 45.0 | 87 | 165 | 530 | 530 | M16 | 12 | 12 | 295.0 | 320.0 | 23 | 30 | 268 | 285 | 340 | 375 | 24.0 | 34.0 | F16 |
| 10" | 330 | 250 | 60.0 | 1000 | 45.0 | 92 | 165 | 703 | 703 | M16 | 12 | 12 | 350.0 | 370.0 | 23 | 30 | 320 | 335 | 395 | 425 | 24.0 | 32.0 | F16 |
| *10" | 330 | 250 | 60.0 | 1000 | 45.0 | 92 | 165 | 703 | 703 | M16 | 12 | 12 | 355.0 | 385.0 | 27 | 33 | 320 | 345 | 405 | 450 | 26.0 | 38.0 | F16 |
| 12" | 370 | 300 | 70.0 | 1000 | 55.0 | 70 | 165 | 760 | 760 | M16 | 12 | 16 | 400.0 | 430.0 | 23 | 30 | 370 | 395 | 445 | 485 | 26.0 | 34.0 | F16 |
| *12" | 370 | 300 | 70.0 | 1000 | 55.0 | 70 | 165 | 760 | 760 | M16 | 12 | 16 | 410.0 | 450.0 | 27 | 33 | 378 | 410 | 460 | 515 | 28.0 | 42.0 | F16 |

30-50 JIS 10K & 30-60 JIS 20K JIS B2212/B2214

* Dimension for PN16 & 40

* Dimension for PN25/40

| SIZE | B | ∅C | ∅D | E | F | ∅I | L | *L | M | N | *N | ∅P | *∅P | ∅Q | *∅Q | ∅R | *∅R | ∅T | *∅T | W | *W | ISO5211 |
|--------|-----|-----|------|------|------|--------|-----|-----|-------|----|----|-----|-----|----|-----|-----|-----|-----|-----|------|------|---------|
| 1 1/2" | 112 | 40 | 22.0 | 292 | 17.0 | 50 | 184 | 201 | 3/8" | 4 | 4 | 105 | 105 | 19 | 19 | 85 | 85 | 140 | 140 | 16.0 | 18.0 | F05 |
| 2" | 120 | 51 | 22.0 | 292 | 17.0 | 70 | 220 | 238 | 3/8" | 4 | 8 | 120 | 120 | 19 | 19 | 100 | 100 | 155 | 155 | 16.0 | 18.0 | F07 |
| 2 1/2" | 152 | 65 | 29.5 | 385 | 17.0 | 70 | 281 | 289 | 7/16" | 4 | 8 | 140 | 140 | 19 | 19 | 120 | 120 | 175 | 175 | 18.0 | 20.0 | F07 |
| 3" | 170 | 76 | 29.5 | 385 | 17.0 | 70/102 | 28 | 291 | 7/16" | 8 | 8 | 150 | 160 | 19 | 23 | 130 | 135 | 185 | 200 | 18.0 | 22.0 | F07/F10 |
| 4" | 204 | 102 | 34.0 | 530 | 23.0 | 125 | 335 | 359 | 1/2" | 8 | 8 | 175 | 185 | 19 | 23 | 155 | 160 | 210 | 225 | 18.0 | 24.0 | F12 |
| 6" | 255 | 152 | 45.0 | 800 | 35.0 | 125 | 423 | 458 | 1/2" | 8 | 12 | 240 | 260 | 23 | 25 | 215 | 230 | 280 | 305 | 22.0 | 28.0 | F12 |
| 8" | 293 | 202 | 60.0 | 1000 | 45.0 | 165 | 526 | 567 | 5/8" | 12 | 12 | 290 | 305 | 23 | 25 | 265 | 275 | 330 | 350 | 22.0 | 30.0 | F16 |
| 10" | 330 | 250 | 60.0 | 1000 | 45.0 | 165 | 687 | 707 | 5/8" | 12 | 12 | 355 | 380 | 25 | 27 | 325 | 345 | 400 | 430 | 24.0 | 34.0 | F16 |

* Dimension for jis 20k

HOW TO ORDER

30-10 11 S T

| STYLE | SIZE | BODY MATERIAL | PORT TYPE |
|----------------|-------|---------------|-----------|
| ANSI CLASS 150 | 30-10 | S-CF8M | L-PORT L |
| ANSI CLASS 300 | 30-20 | W-WCB | T-PORT T |
| DIN PN 10/16 | 30-30 | F-304S.S. | |
| DIN PN 25/40 | 30-40 | | |
| JIS 10K | 30-50 | | |
| JIS 20K | 30-60 | | |