



| NO. | PART NAME | MATERIAL | |
|-----|---------------|--------------------|-------------------|
| | | | |
| 1 | FLANGE END | ASTM A351 Gr. CF8M | ASTM A216 Gr. WCB |
| 2 | GASKET | PTFE | PTFE |
| 3 | BODY | ASTM A351 Gr. CF8M | ASTM A216 Gr. WCB |
| 4 | BALL | SS316 | SS304 / SS316 |
| 5 | SEAT | PTFE | PTFE |
| 6 | STEM | SS316 | SS316 |
| 7 | THRUST WASHER | RPTFE | RPTFE |
| 8 | O-RING | VITON | VITON |
| 9 | STEM PACKING | PTFE | PTFE |
| 10 | GLAND | SS304 | SS304 |
| 11 | DISK WASHER | SS301 | SS301 |
| 12 | STEM NUT | SS304 | SS304 |
| 13 | LOCK SADDLE | SS304 | SS304 |
| 14 | SPACE WASHER | SS304 | SS304 |
| 15 | PLATER | SS304 | SS304 |
| 16 | HANDLE NUT | SS304 | SS304 |
| 17 | HANDLE | SS304 | SS304 |
| 18 | HANDLE SLEEVE | VINYL | VINYL |
| 19 | STOP PIN | SS304 | SS304 |
| 20 | PIN | SS316 | SS316 |
| 21 | STOP PIN NUT | SS304 | SS304 |
| 22 | BODY BOLT | SS304 | SS304 |

| SIZE | φD | φA | φB | φC | E | φF | φG | φd1 | φd2 | H | H1 | H2 | L | φM | N | S | T |
|--------|----|-----|-------|----|-----|----|-----|-----|------|-----|----|------|-----|----|---|----|------|
| 1/2" | 15 | 89 | 60.5 | 35 | 130 | 36 | 42 | 6 | 6 | 105 | 11 | 42 | 152 | 16 | 4 | 9 | 11.2 |
| 3/4" | 20 | 98 | 70 | 43 | 165 | 42 | 50 | 6 | 7.1 | 110 | 14 | 48.5 | 167 | 16 | 4 | 11 | 11.2 |
| 1" | 25 | 108 | 79.5 | 51 | 165 | 42 | 50 | 6 | 7.1 | 118 | 14 | 55.5 | 190 | 16 | 4 | 11 | 11.2 |
| 1-1/4" | 32 | 117 | 89 | 64 | 205 | 50 | 70 | 7.1 | 9.2 | 118 | 17 | 63 | 208 | 16 | 4 | 14 | 12.7 |
| 1-1/2" | 38 | 127 | 98.5 | 73 | 205 | 50 | 70 | 7.1 | 9.2 | 128 | 16 | 73.5 | 220 | 16 | 4 | 14 | 14.3 |
| 2" | 50 | 152 | 120.5 | 92 | 325 | 70 | 102 | 9.2 | 11.4 | 140 | 21 | 92.5 | 253 | 19 | 4 | 17 | 15.8 |



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| General tolerances | |
|------------------------------|--------------------------------------|
| Linear dimensions | Angular dimensions |
| 0 up to 6 : ± 0.1 | 0 up to 10 : ± 1° |
| over 6 up to 30 : ± 0.2 | over 10 up to 50 : ± 0°30' |
| over 30 up to 120 : ± 0.3 | over 50 up to 120 : ± 0°20' |
| over 120 up to 400 : ± 0.5 | over 120 up to 400 : ± 0°10' |
| over 400 up to 1000 : ± 0.8 | over 400 : ± 0°5' |
| over 1000 up to 2000 : ± 1.2 | Broken edges |
| over 2000 up to 4000 : ± 2.0 | 0 up to 3 : ± 0.2, 3 up to 6 : ± 0.5 |
| | over 6 : ± 1.0 |

| | | | | | |
|--------------|--------|--|---------------|-------|----------------|
| REVISION | 00 | Four-Way Full Port Direct Mount Flange Ball Valve ANSI Class 150 | | | |
| SCALE | Free | SIZE | 1/2"~2" | MODEL | F-71 |
| UNIT | mm | MAT'L | CF8M / WCB | TYPE | N |
| INSPECTED BY | David | DATE | Jul. 30, 2015 | FILE | ANF71-xxPxx-01 |
| DRAWN BY | Joanne | | | | |