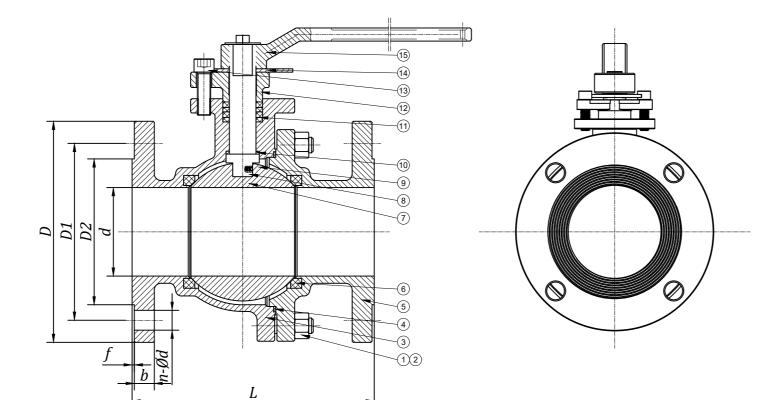
| 2 | 178 | 49 | 150 | 120.7 | 92.1 | 14.3 | 2 | 4-Ø19 |
|-------|-----|----|-----|-------|------|------|---|-------|
| 1-1/2 | 165 | 38 | 125 | 98.4 | 73.0 | 12.7 | 2 | 4-Ø16 |
| 1-1/4 | 140 | 32 | 115 | 88.9 | 63.5 | 11.2 | 2 | 4-Ø16 |
| 1 | 127 | 25 | 110 | 79.4 | 50.8 | 9.6 | 2 | 4-Ø16 |
| 3/4 | 117 | 20 | 100 | 69.9 | 42.9 | 8.9 | 2 | 4-Ø16 |
| 1/2 | 108 | 15 | 90 | 60.3 | 34.9 | 8.0 | 2 | 4-Ø16 |
| NPS | L | d | D | D1 | D2 | b | f | n-Ød |

| No. | Name | Material |
|-----|----------------|----------------|
| 1 | Bolt | A193 B7 |
| 2 | Nut | A194 2H |
| 3 | Body | A216 WCB |
| 4 | Gasket | SS304+Graphite |
| 5 | Bonnet | A216 WCB |
| 6 | Seat | PTFE |
| 7 | Ball | SS304 |
| 8 | Stem | A182 F6a |
| 9 | Anti-static | SS304 |
| 10 | Thrust washer | PTFE |
| 11 | Packing | PTFE |
| 12 | Gland | A216 WCB |
| 13 | Locating bolt | A193 B7 |
| 14 | Locating piece | C.S. |
| 15 | Handle | C.S |





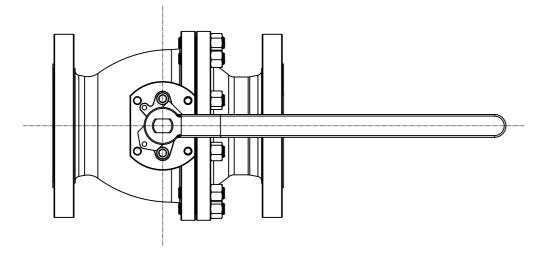


PO NO:

Before Fire Sealing After Fire Sealing

Technical Requirements 1.Design & Manufacture conform to API 608; 2.Temp. & Pressure conform to ASME B16.34; 2. Face to Face Dimension conform to ASME B16.10; 4.Flange Ends Dimension conform to ASME B16.5; 5.Fire-safe conform to API 607; 6.Inspection & Testing conform to API 598;

| | Performance Specification | | | | | | |
|---|---------------------------|-----------------|--------|-------|--|--|--|
| | Pres | ssure (Class) | 150Lb | | | | |
| | Fest essure | Strength Test | 3.0 | | | | |
| ; | | Seal Test | 2.2 | Мра | | | |
| | Pr | Air Seal Test | 0.6 | | | | |
| | Wor | king Tempreture | -29~+1 | 20° C | | | |
| | Med | ium Application | W.O.G | | | | |



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CUSTOMER: NOTE: The manufacturer keep the right to upgrade the design for purpose of design optimization but do not change installation dimension and key materials.

CHECKED APPROVED DATE 25/04/29 A INDICATES CRUCIAL FEATURE UNLESS OTHERWISE SPECFIED 1. ALL DIMENTIONS ARE IN MM 2. ALL PROJECTION ARE IN THIRD ANGLE 3. ALL SHAPP EDGES ARE TO

DRAWN

J-VALVES FLUID EQUIPMENT CO., LTD

Building 2, No. 12 Xingchao Road, Binhai Park, Longwan District, Wenzhou City,ZheJiang,P.R.China 325024 Phone: +86 0577-56692520

| <u>ILE</u> | $:{RAI.I.}$ | VALVE GENERAL ASSEMBLY |
|------------|-------------|----------------------------|
| | DITLL | VIIDVE OBIVEIGIE IIOSENDEI |

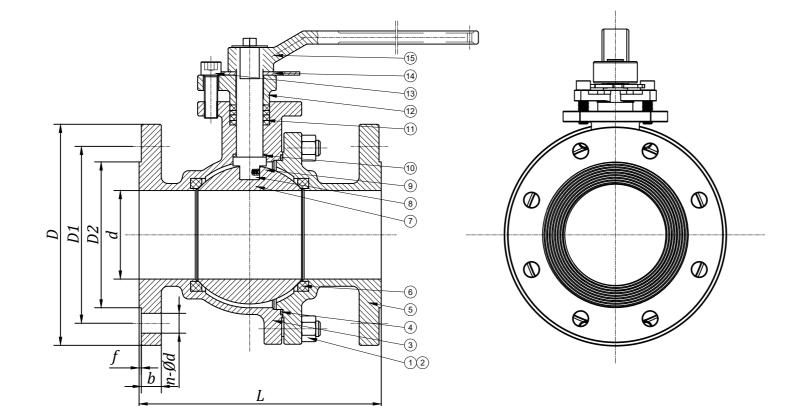
| | | | BE REMOVED | ES AIL 10 | | 5.15 | | 05.15141511005.1551 | | |
|--------|------------|----------|-----------------|------------------|--------------|------------|------------|--------------------------------|------------|-----------|
| | | | STAMP: | | SIZE | 1/2" | to 2" | TYPE: | | |
| | | | | | CLASS | 15 | 50LB | Float,Full bore,Bolted b | onnet,R | PF |
| | | | | | VPO CO | DE : | DRAWING | NUMBER :- | REV. | SHEET NO: |
| TE | ALT.NO | SIG | SCALE | NTS | | | JF | 01-DR-250429201 | 0 | 1 OF 1 |
| AMUNIC | AND DECICA | I IC TII | E DDODEDTY OF I | VALVEC IT IC A O | ONICIDENTIAL | DICOLOCI I | DE MUNCH M | ICT MEITHER DE CORIER MOR LICE | D IN AND A | IAMBIED |

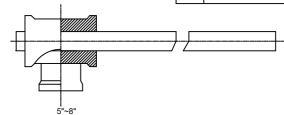
REV. DATE ALT.NO SIG SCALE NTS -- JFU1-DIX-23UT232U1 -- .

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| 8 | 457 | 200 | 345 | 298.5 | 269.9 | 27.0 | 2 | 8-Ø23 |
|-------|-----|-----|-----|-------|-------|------|---|-------|
| 6 | 394 | 150 | 280 | 241.3 | 215.9 | 23.9 | 2 | 8-Ø23 |
| 5 | 356 | 125 | 255 | 215.9 | 185.7 | 22.3 | 2 | 8-Ø23 |
| 4 | 229 | 100 | 230 | 190.5 | 157.2 | 22.3 | 2 | 8-Ø19 |
| 3 | 203 | 76 | 190 | 152.4 | 127.0 | 17.5 | 2 | 4-Ø19 |
| 2-1/2 | 190 | 65 | 180 | 139.7 | 104.8 | 15.9 | 2 | 4-Ø19 |
| NPS | L | d | D | D1 | D2 | b | f | n-Ød |

| No. | Name | Material |
|-----|----------------|----------------|
| 1 | Bolt | A193 B7 |
| 2 | Nut | A194 2H |
| 3 | Body | A216 WCB |
| 4 | Gasket | SS304+Graphite |
| 5 | Bonnet | A216 WCB |
| 6 | Seat | PTFE |
| 7 | Ball | SS304 |
| 8 | Stem | A182 F6a |
| 9 | Anti-static | SS304 |
| 10 | Thrust washer | PTFE |
| 11 | Packing | PTFE |
| 12 | Gland | A216 WCB |
| 13 | Locating bolt | A193 B7 |
| 14 | Locating piece | C.S. |
| 15 | Handle | C.S |





FIRE SAFE DESIGN





Before Fire Sealing After Fire Sealing

Technical Requirements

DRAWN

DATE

CUSTOMER:

PO NO:

- 1.Design & Manufacture conform to API 608;
- 2.Temp. & Pressure conform to ASME B16.34;
- 3. Face to Face Dimension conform to ASME B16.10;
- 4.Flange Ends Dimension conform to ASME B16.5;
- 5.Fire-safe conform to API 607; 6.Inspection & Testing conform to API 598;

| Perj | Performance Specification | | | | | | |
|------------------|---------------------------|--------------|-------|--|--|--|--|
| Pres | ssure (Class) | 150Lb | | | | | |
| re | Strength Test | 3.0 | | | | | |
| Test Pressure | Seal Test | 2.2 | Мра | | | | |
| $\frac{1}{Pr}$ | Air Seal Test | 0.6 | | | | | |
| Wor | king Tempreture | -29~+1 | 20° C | | | | |
| Medi | ium Application | <i>W.O.G</i> | | | | | |

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DATE SIGNATURE

NOTE:The manufacturer keep the right to upgrade the design for purpose of design optimization but do not change installation dimension and key materials.

CHECKED APPROVED 25/04/29 A INDICATES CRUCIAL FEATURE UNLESS OTHERWISE SPECFIED 1. ALL DIMENTIONS ARE IN MM 2. ALL PROJECTION ARE IN THIRD ANGLE

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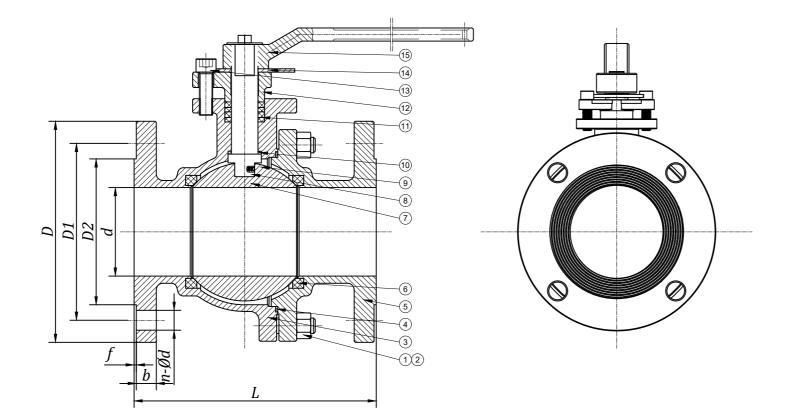
Building 2, No. 12 Xingchao Road, Binhai Park, Longwan District, Wenzhou City,ZheJiang,P.R.China 325024 Phone: +86 0577-56692520

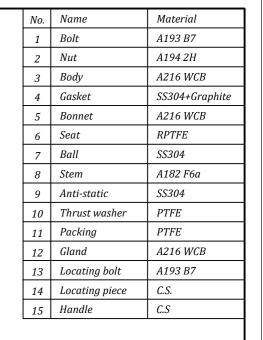
| т | 1 1 | | | | | |
|-----|-----|----|----|-------|--------------------------|--|
| - 1 | L | Ε. | `- | DALL | TALLE CENTED AT ACCEMBLY | |
| | _ | _ | • | KALL. | VALVE GENERAL ASSEMBLY | |
| | | | | | | |

| | | | | 3. ALL SHARP EDG BE REMOVED | ES ARE TO | | BAL | L VALVE | GENEKAL ASSEMBLI | | |
|----|------------|------------|---------|--------------------------------|---------------------|---------------|----------|-------------|-------------------------------|------------|-----------|
| | | | | STAMP: | | SIZE | 2-1/ | 2" to 8" | TYPE: | | |
| | | | | | | CLASS | 15 | 50LB | Float,Full bore,Bolted b | onnet,R | F |
| | | | | | | VPO CO | DE : | DRAWING | NUMBER :- | REV. | SHEET NO: |
| ٧. | DATE | ALT.NO | SIG | SCALE | NTS | | | JF | 01-DR-250429202 | 0 | 1 OF 1 |
| TH | IS DRAWING | AND DESIGN | I IS TH | E PROPERTY OF J | -VALVES, IT IS A CO | ONFIDENTIAL I | DISCLOSU | RE WHICH MU | JST NEITHER BE COPIED NOR USE | O IN ANY N | IANNER |

DETRIMENTAL TO THEIR INTERESTS.

| 1-1/2 | 190 | 38 | 155 | 114.3 | 73.0 | 19.1 | 2 | 4-Ø22 |
|-------|-----|----|-----|-------|------|------|---|-------|
| 1-1/4 | 178 | 32 | 135 | 98.4 | 63.5 | 17.5 | 2 | 4-Ø19 |
| 1 | 165 | 25 | 125 | 88.9 | 50.8 | 15.9 | 2 | 4-Ø19 |
| 3/4 | 152 | 20 | 115 | 82.6 | 42.9 | 14.3 | 2 | 4-Ø19 |
| 1/2 | 140 | 15 | 95 | 66.7 | 34.9 | 12.7 | 2 | 4-Ø16 |
| NPS | L | d | D | D1 | D2 | b | f | n-Ød |











Before Fire Sealing After Fire Sealing

Technical Requirements

- 1.Design & Manufacture conform to API 608;
- 2.Temp. & Pressure conform to ASME B16.34;
- 3. Face to Face Dimension conform to ASME B16.10; 4.Flange Ends Dimension conform to ASME B16.5;
- 5.Fire-safe conform to API 607;

DRAWN

DATE

CHECKED APPROVED

A INDICATES CRUCIAL FEATURE

UNLESS OTHERWISE SPECFIED

CUSTOMER:

PO NO:

6.Inspection & Testing conform to API 598;

25/04/29

| Performance Specification | | | | | | | |
|---------------------------|-----------------|--------|-------|--|--|--|--|
| Pres | ssure (Class) | 300Lb | | | | | |
| re | Strength Test | 7.5 | | | | | |
| Test Pressur | Seal Test | 5.5 | Мра | | | | |
| $\frac{1}{Pr}$ | Air Seal Test | 0.6 | | | | | |
| Working Tempreture | | -29~+1 | 20° C | | | | |
| Medi | ium Application | W.O.G | | | | | |

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OLD DRAWING NO.

BASED DRAWING NO

DATE SIGNATURI

NOTE: The manufacturer keep the right to upgrade the design for purpose of design optimization but do not change installation dimension and key materials.

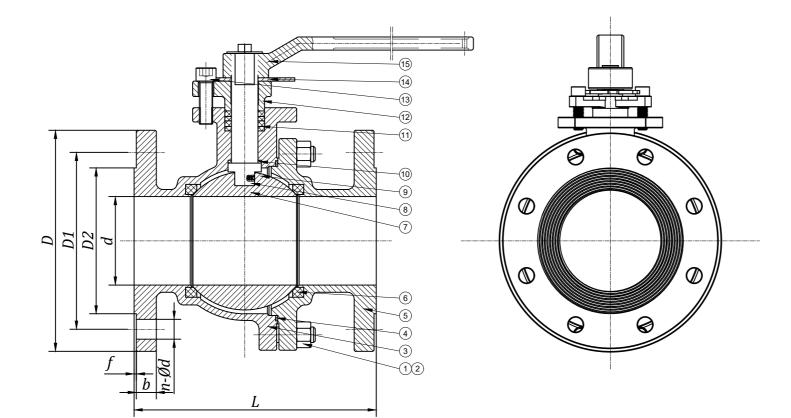
J-VALVES FLUID EQUIPMENT CO., LTD

Building 2, No. 12 Xingchao Road, Binhai Park, Longwan District, Wenzhou City,ZheJiang,P.R.China 325024 Phone: +86 0577-56692520

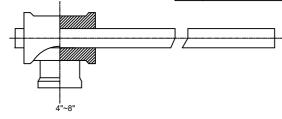
| | ALL DIMENTIONS ALL PROJECTION THIRD ANGLE ALL SHARP EDG BE REMOVED | TITLE: - BALL VALVE GENERAL ASSEMBLY | | | | | | |
|---|--|--------------------------------------|-------------------------|--|-----------|-----------------|-----------|--------|
| | STAMP: | SIZE | 1/2" t | to 1-1/2" TYPE: | | | | |
| _ | | CLASS | 30 | 300LB Float,Full bore,Bolted bonnet,RF | | | F | |
| _ | | VPO CO | DDE : DRAWING NUMBER :- | | NUMBER :- | REV. | SHEET NO: | |
| 3 | SCALE | NTS | | | JF | 01-DR-250429203 | 0 | 1 OF 1 |

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| 8 | 502 | 200 | 380 | 330.2 | 269.9 | 39.7 | 2 | 12-Ø26 |
|-------|-----|-----|-----|-------|-------|------|---|--------|
| 6 | 403 | 150 | 320 | 269.9 | 215.9 | 35.0 | 2 | 12-Ø22 |
| 5 | 381 | 125 | 280 | 235.0 | 185.7 | 33.4 | 2 | 8-Ø22 |
| 4 | 305 | 100 | 255 | 200.0 | 157.2 | 30.2 | 2 | 8-Ø22 |
| 3 | 282 | 76 | 210 | 168.3 | 127.0 | 27.0 | 2 | 8-Ø22 |
| 2-1/2 | 241 | 65 | 190 | 149.2 | 104.8 | 23.9 | 2 | 8-Ø22 |
| 2 | 216 | 49 | 165 | 127.0 | 92.1 | 20.7 | 2 | 8-Ø19 |
| NPS | L | d | D | D1 | D2 | b | f | n-Ød |



| No. | Name | Material |
|-----|----------------|----------------|
| 1 | Bolt | A193 B7 |
| 2 | Nut | A194 2H |
| 3 | Body | A216 WCB |
| 4 | Gasket | SS304+Graphite |
| 5 | Bonnet | A216 WCB |
| 6 | Seat | RPTFE |
| 7 | Ball | SS304 |
| 8 | Stem | A182 F6a |
| 9 | Anti-static | SS304 |
| 10 | Thrust washer | PTFE |
| 11 | Packing | PTFE |
| 12 | Gland | A216 WCB |
| 13 | Locating bolt | A193 B7 |
| 14 | Locating piece | C.S. |
| 15 | Handle | C.S |



FIRE SAFE DESIGN





Before Fire Sealing After Fire Sealing

Technical Requirements

DRAWN

DATE

CHECKED APPROVED

A INDICATES CRUCIAL FEATURE

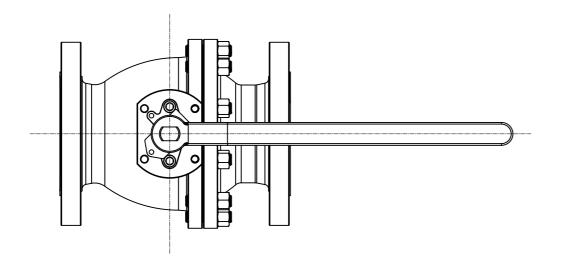
CUSTOMER:

PO NO:

- 1.Design & Manufacture conform to API 608;
- 2.Temp. & Pressure conform to ASME B16.34;
- 3. Face to Face Dimension conform to ASME B16.10;
- 4. Flange Ends Dimension conform to ASME B16.5;
- 5.Fire-safe conform to API 607;
- 6.Inspection & Testing conform to API 598;

25/04/29

| Performance Specification | | | | | | | |
|---------------------------|-----------------|--------|-------|--|--|--|--|
| Pres | ssure (Class) | 300Lb | | | | | |
| Test Pressure | Strength Test | 7.5 | | | | | |
| | Seal Test | 5.5 | Мра | | | | |
| | Air Seal Test | 0.6 | | | | | |
| Wor | king Tempreture | -29~+1 | 20° C | | | | |
| Medi | ium Application | W.O.G | | | | | |



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NOTE: The manufacturer keep the right to upgrade the design for purpose of design optimization but do not change installation dimension and key materials.

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| | | | A INDICATES CIV | OCIAL TEATORE |) | | | City,ZheJiang,P.R.China | 325024 | | | |
|---|--------|-----|---|---------------|--------------------------------------|-------|---------|-----------------------------|---------|-----------|--|--|
| | | | UNLESS OTHER | | Phone: +86 0577-56692520 | | | | | | | |
| | | | 1. ALL DIMENTIONS 2. ALL PROJECTION | | | | | | | | | |
| | | | THIRD ANGLE 3. ALL SHARP EDGES ARE TO BE REMOVED | | TITLE :- BALL VALVE GENERAL ASSEMBLY | | | | | | | |
| | | | | | | | | | | | | |
| | | | STAMP: | | SIZE | 2" to | o 8" | TYPE: | | | | |
| _ | | | | | CLASS | 30 | 00LB | Float,Full bore,Bolted b | onnet,R | 2F | | |
| | | | | | VDO CODE DRAWIN | | DDAWING | NG NUMBER :- REV. SHEET NO: | | | | |
| | | |] | | VPO CODE : | | DRAWING | NUMBER :- | REV. | SHEET NO: | | |
| | ALT NO | SIG | SCALE | NTS | 1 | | JF | 01-DR-250429204 | 0 | 1 OF 1 | | |

