

低温阀



Cryogenic Valve



低温阀技术样册 / Cryogenic valve technical catalogue

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美嘉诺中国 / MECA-INOX CHINA

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Meca-inox
BALL VALVES

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3-piece ball valve-PS4

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三片式球阀-PY4

3-piece ball valve-PY4

| | | |
|-----------------|----------|--------------------------------------|
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| 轨道自动焊连接球阀 | III - 11 | Orbital welding valve |
| 卡套式连接球阀 | III - 12 | Compression fittings valve |
| 法兰连接球阀 | III - 13 | Flanged valve |
| DN08-DN50气动连接件 | III - 15 | Actuated components size 1/4" to 2" |
| DN65-DN200气动连接件 | III - 16 | Actuated components size 2"1/2 to 8" |

三片式球阀-PY4CY

3-piece ball valve-PY4CY

| | | |
|------------------|---------|---|
| 阀座及密封材料 | IV - 01 | Seats & sealings material |
| 产品编码 | IV - 02 | Codification |
| 部件 | IV - 03 | Components |
| 对焊连接球阀 | IV - 07 | Butt weld valve |
| 承插焊连接球阀 | IV - 09 | Socket weld valve |
| 螺纹连接球阀 | IV - 11 | Threaded valve |
| 法兰连接球阀 | IV - 13 | Flanged valve |
| DN08-DN50 气动连接件 | IV - 15 | Actuated components size 1/4" to 2" |
| DN65-DN200 气动连接件 | IV - 16 | Actuated components size 2"1/2 to 8" |
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三片式球阀-MY4CY

3-piece ball valve-MY4CY

| | | |
|------------------|--------|--------------------------------------|
| 阀座及密封材料 | V - 01 | Seats & sealings material |
| 产品编码 | V - 02 | Codification |
| 部件 | V - 03 | Components |
| 对焊连接球阀 | V - 05 | Butt weld valve |
| 承插焊连接球阀 | V - 07 | Socket weld valve |
| DN08-DN50 气动连接件 | V - 09 | Actuated components size 1/4" to 2" |
| DN65-DN200 气动连接件 | V - 10 | Actuated components size 2"1/2 to 8" |

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| | | |
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PS4/PS4PG



PS4/ PS4 PG (上游泄压孔)
-50℃~190℃ (非结冰工况)
PN100/PN25
阀座材质: TFM1600

DN10~DN150
通径/缩径
活套法兰设计
ISO 5211平台

可选项:
脱脂
防火设计
定制连接形式及尺寸



PS4/ PS4 PG (Upstream vent hole)
-50℃~190℃ (Non-freezing application)
PN100/PN25
Seat Material: TFM1600

DN10~DN150
Full bore/ Reduce bore
Loose body flange
ISO 5211 top flange

Option:
Degrease
Fire safe design
Customized end connection

PY4



-200℃~200℃ (非结冰工况)
PN100/PN25
阀座材质: TF3215
上游泄压孔
脱脂

DN10~DN150
通径/缩径
活套法兰设计
ISO 5211平台

可选项:
防火设计
定制连接形式及尺寸



-200℃~200℃ (Non-freezing application)
PN100/PN25
Seat Material: TF3215
Upstream vent hole
Degrease

DN10~DN150
Full bore/ Reduce bore
Loose body flange
ISO 5211 top flange

Option:
Fire safe design
Customized end connection

PY4 CY



-200℃~200℃ (结冰工况)
PN100/PN25
阀座材质: TF3215
上游泄压孔
脱脂

DN10~DN150
通径/缩径
活套法兰设计
ISO 5211平台

可选项:
防火设计
定制连接形式及尺寸



-200℃~200℃ (Freezing application)
PN100/PN25
Seat Material: TF3215
Upstream vent hole
Degrease

DN10~DN150
Full bore/ Reduce bore
Loose body flange
ISO 5211 top flange

Option:
Fire safe design
Customized end connection

MY4 CY



MY4 CY (机加工阀体)
-200℃~200℃ (结冰工况)
PN100/PN25
阀座材质: TF3215
上游泄压孔
脱脂

DN 25~DN150
通径/缩径
固定法兰设计
ISO 5211平台

可选项:
防火设计
定制连接形式及尺寸



MY4 CY (Machined valve body)
-200℃~200℃ (Freezing application)
PN100/PN25
Seat Material: TF3215
Upstream vent hole
Degrease

DN 25~DN150
Full bore/ Reduce bore
Fixed body flange
ISO 5211 top flange

Option:
Fire safe design
Customized end connection

DN 08 到 DN 200

PN 100 / PN 16

缩径或通径

活套法兰设计

ISO 法兰平台



不锈钢系列

Stainless steel series

Size 1/4" to 8"

PN 100 / PN 16

Reduced or full bore

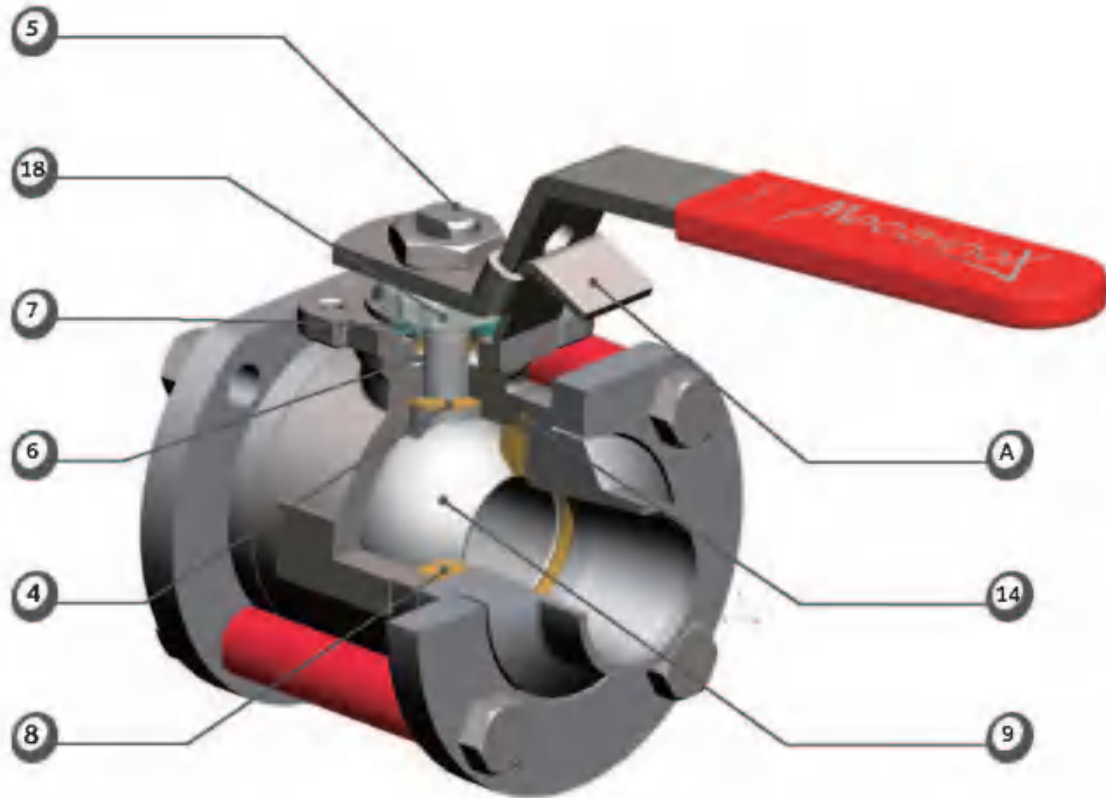
Rotating ends system

ISO top flange



DN 65 到 DN 200系列

Size 2 1/2 to 8" series



A • EN ISO 5211 法兰平台

更加容易与阀门上端的驱动装置匹配。该法兰具有槽口以配合可锁手柄。

4 • 阀杆密封

属于初级密封，由 **PTFE+PEEK** 的复合材料组成，可实现长时间的工作寿命和工作次数。

5 • 防喷出阀杆

阀杆设计可承受高扭矩操作，不会断裂也不会扭曲变形。

6 • 填料

填料筒经机械加工且与V型环状填料配合。这样的装配确保防静电填料密封通过，且密封性能通过 **TALUFT** 认证。

7 • 弹簧垫片

弹簧垫片通过弹力对填料的磨损进行补偿。

8 • 阀座

可提供的阀座材质范围广泛，**PS4**球阀系列产品可应用于很多工况，温度范围为：**-196°C** 到 **280°C**。

9 • 阀球

阀杆槽口处加工有泄压孔以避免阀门在“打开”位置时出现任何超压状况。

14 • 嵌入式阀体密封

PTFE 材质的密封件嵌入阀体加工的槽腔内，为阀体及端子部件之间提供高可靠性的密封。

18 • 螺母锁紧设计

螺母锁紧装置确保在阀门操作时填料压紧螺母和手柄螺母处于锁紧状态。

A • EN ISO 5211 top flange

Makes easier the adaptation of an actuator on the valve. This flange has notches to welcome a lockable handle.

4 • Stem thrust seal

Acts as a primary sealing. Made of **PTFE + PEEK**, it ensures a longer lifetime and numerous cycles.

5 • Antiblow-out stem

The stem is designed to resist high operating torques without breaking nor twisting.

6 • Gland-packing

The gland box is machined and receive a V-ring packing. This assembly ensures an antistatic gland-packing, **TALUFT certified**.

7 • Spring washers

The spring washers act as a spring to compensate the packing wear.

8 • Seats

A wide range of seat materials is available. The **PS4** valve can be used in many process applications from **-196°C** to **280°C**.

9 • Ball

A cavity relief is drilled in the stem groove in order to avoid any overpressure in "Open" position.

14 • Encapsulated body seals

In **PTFE**, they are giving a reliable sealing between the body and connections.

18 • Safety nut lock

These nut locks ensure to keep the packing nut and the handle nut in place during valve operations.

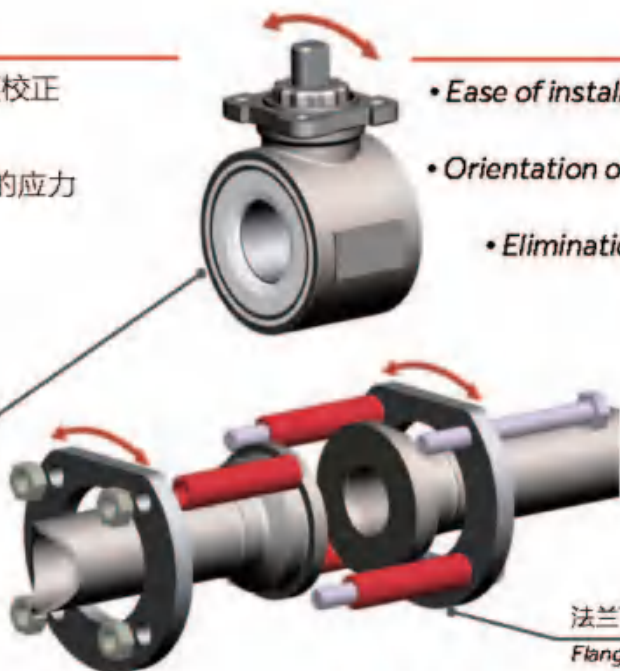
活套法兰

- 易于安装: 端子位置不需要校正
- 阀体可进行 360° 旋转
- 避免了端子安装误差导致的应力

Loose body flanges

- *Ease of installation without alignment of the end pieces*
- *Orientation of the valve body through 360°*
- *Elimination of the stresses due to faulty alignment*

• 阀体可 360° 旋转
Valve body rotatable through 360°



• 法兰可 360° 旋转
Flanges rotatable through 360°

分体包装

- 节约安装时间
- 不同颜色代表不同的阀体材质
- 运输和安装时能够保护内部组件

The Kit box

- *Save time when fitting*
- *Identification of the materials by distinct colours*
- *Protection of the components during installation*



304L

A216 WCB

904L

Alloy 22

316L

机加工连接端

- 连接方式多种多样
- 尺寸可定制
- 可快速生产

The machined ends

- *Large choice of connections*
- *Customized dimensions*
- *Fast production*



检测标准

PED 规范

根据欧洲压力设备规范 (PED) 97/23/EC, 所有球阀都按照 PED 规范进行生产, 在发运或入库之前, 必须完成水压测试, 试验按照 ISO 5208 国际标准进行。

TS 证书

中华人民共和国特种设备制造许可证。

逃逸泄漏

美嘉诺阀门符合 TALUFT 02 / 27 / 1986 (Pt 3.1.8.4) 标准的要求。
泄漏率远低于标准允许值, 且符合 EN ISO 15848 - 2 的规范, 如 VDI 2440 - 2000。

内漏测试

所有阀门都会通气, 加压, 保持关闭状态进行测试, 并确保没有气泡溢出。

所有球阀都会通气加压, 关闭位置进行测试, 在测试时没有气泡产生。

所有阀门都符合“A”级标准 (根据 EN 12266 - 1) 没有气泡 = 零泄漏

Tests

PED directive

According to Pressure European Directive (PED) 97/23/CE, all our ball valves are controlled during the production process. A final hydrostatic pressure test is achieved before dispatch or warehousing.
Our tests are conducted according ISO 5208 international standard.

TS Certification

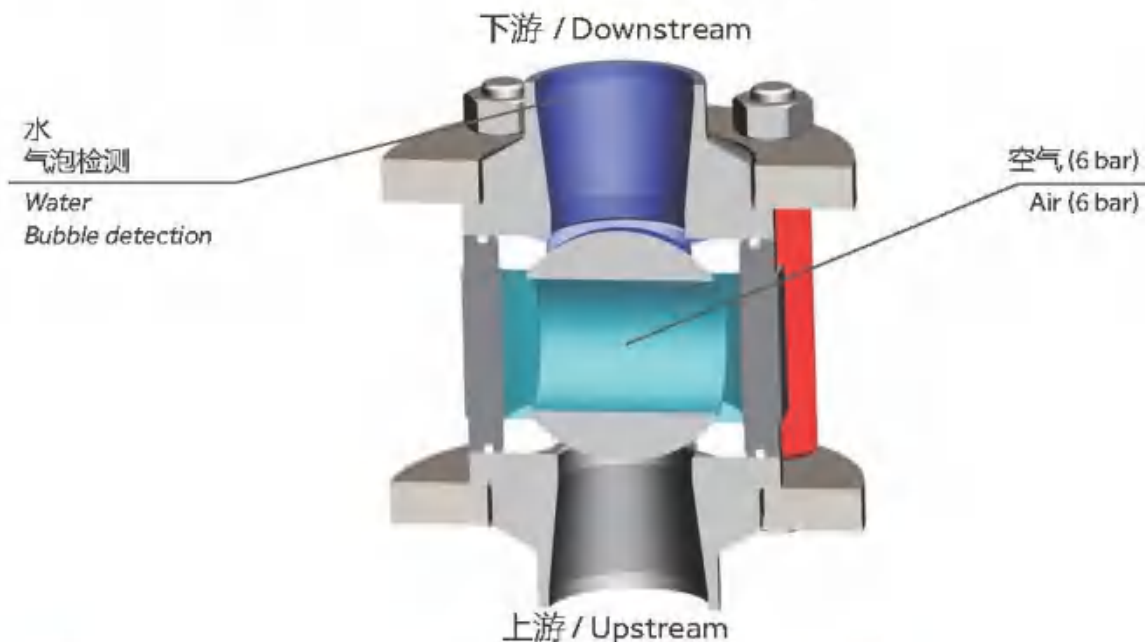
Manufacture licence of special equipment People's Republic of China.

Fugitives Emissions

Our valves are tested according TALUFT 02/27/1986 (Pt 3.1.8.4) requisition.
Tests show leakage rate much lower than the level requested EN ISO 15848-2 by regulations such as VDI 2440_2000.

Test pressure of the ball sealing

The upstream/downstream leakage rate (in-line leakage) is ensured by the sealing between the ball and the seats. We check that absolutely no bubble escape from pressurized air trapped in the volume inside the closed ball.
All our valves are "A" Cat.: EN 12266-1
no bubble = no leak



适用真空度

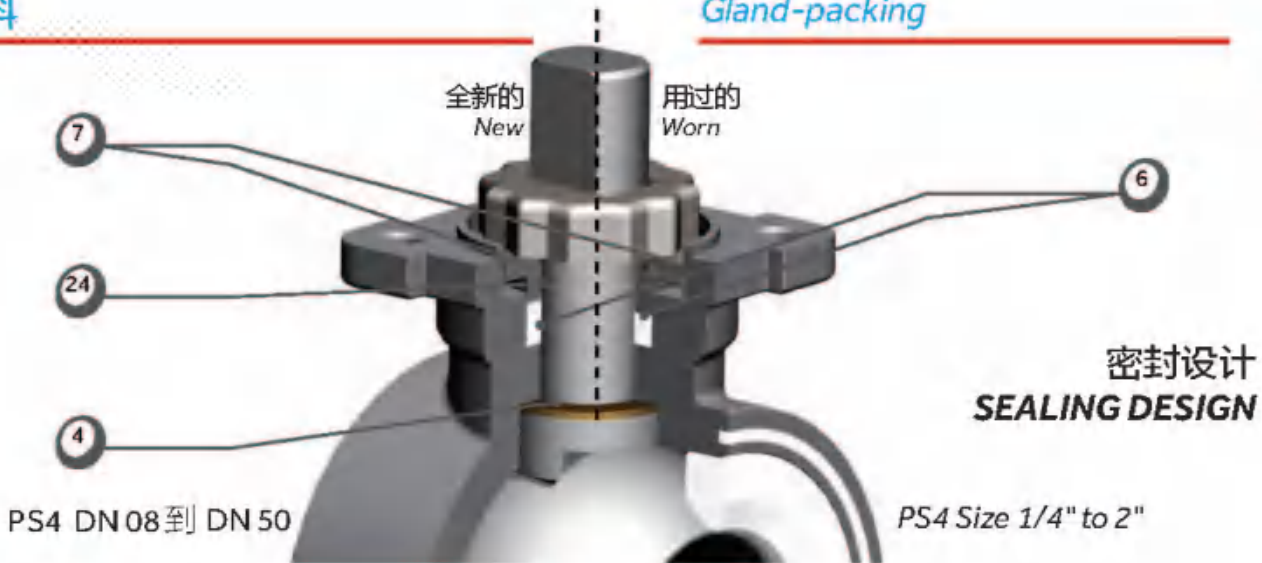
美嘉诺两片式和三片式球阀的设计和制造标准, 允许在低至 10^{-3} mbar 的真空条件下工作 ($0,75 \times 10^{-3}$ Torr)。

Vacuum resistance

Design and manufacturing of our 2-piece and 3-piece ball valve allow a vacuum capability of at least 10^{-3} mbar ($0,75 \cdot 10^{-3}$ Torr).

填料

Gland-packing



PS4 DN 08到 DN 50

PS4 Size 1/4" to 2"

按照 **NF EN 12516-1, DIN 3841 和 ANSI B16.34** 标准进行设计

防静电填料按照 **ISO 7121, NF EN 1983** 的标准

PTFE+碳+石墨 填料 (6) (< DN50)

阀杆和阀体, 阀杆和球阀 (> DN 50) 之间的 **球阀/弹簧装置 (B)**

PEEK 增强型 PTFE 作为阀杆初级密封 (4)

次级密封为 **V 型环状填料 (6)**, 可实现带压 (来自阀体的压力) 密封

不锈钢填料压盖 (24)

由一对**弹簧垫片 (7)** 进行损耗补偿

阀座支撑 (> DN 50) (20)

*Design according **NF EN 12516-1, DIN 3841, ANSI B16.34***

*Antistatic gland packing according to **ISO 7121, NF EN 1983***

*Gland packing (6) in **PTFE+ carbon + graphite** (DN < 2")*

Ball / spring system (B) between stem & body and stem & ball (DN > 2")

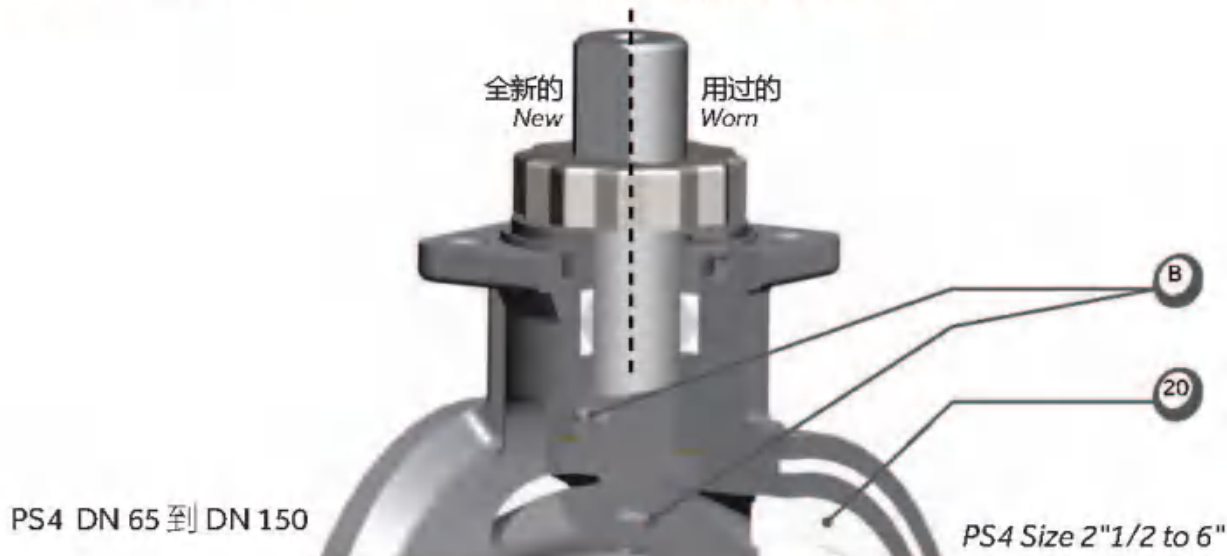
*Primary sealing with thrust seal (4) in **PEEK reinforced PTFE***

Secondary sealing with a "V-ring" packing (6) to allow sealing under pressure coming from the valve body

*Gland in **stainless steel** (24)*

*Wear compensation by the mean of a pair of **spring washers** (7)*

Seat support (20) on DN > 2"

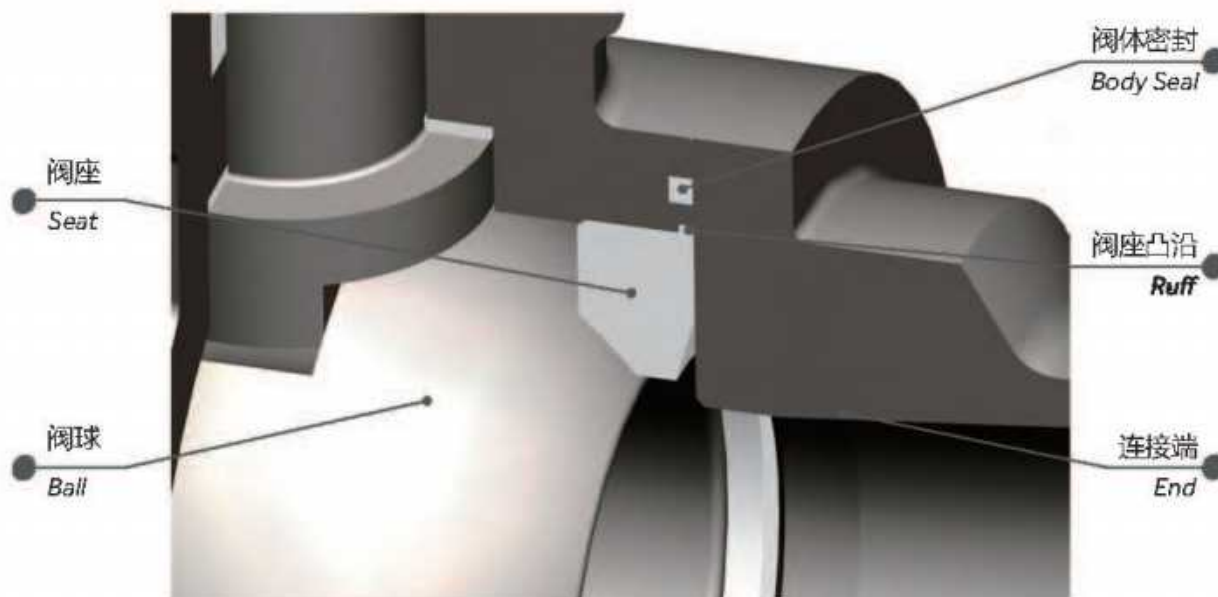


PS4 DN 65到 DN 150

PS4 Size 2"1/2 to 6"

阀座和阀体密封

Seats and body seals



嵌入式阀体密封
确保阀门内外的密封性。
独特的阀座轮廓设计
保证上下游密封效果。

弹性阀座吸收压缩应力。

阀座自动调节支撑设计优化操作扭矩。

阀座凸沿设计
防止上游压力大于下游时阀座
产生轴向窜动。

*Built-in body seals to guarantee
internal/external tightness.*

***Seats profiles designed for upstream/downstream
sealing.***

Seats elasticity to absorb pressure stress.

Progressive bearing to optimize operating torques.

***Ruff to avoid the seat to be taken away when
upstream pressure is higher than downstream
pressure.***

技术参数

PS4 / PS4PG: TFM 1600 阀座
温度范围: -50°C / +190°C

标准型

在阀球与阀杆连接处钻孔, 用于阀门腔体泄压。

PS4PG

上游泄压孔用于阀门关闭位置时阀腔泄压。

批准

PED 97 / 23 / EC
TA-Luft(逃逸泄漏)
AD2000 Merkblatt
FDA 批准的阀座材质

可选项

ATEX 94 / 9 / EC
遵照 2010 / 35 / UE TPED 认证打上π标识
ADR §1.8.7.6 认证

阀门清洁及脱脂处理符合EN12300标准
阀门将会包装在单独密封的塑封袋中

Technical data

PS4 / PS4PG: TFM 1600 seats.
Temperature range: -50°C / +190°C

Standard version:

Ball drilling in the stem groove for cavity relief in the open position.

PS4PG:

Upstream vent hole for cavity relief in closed position.

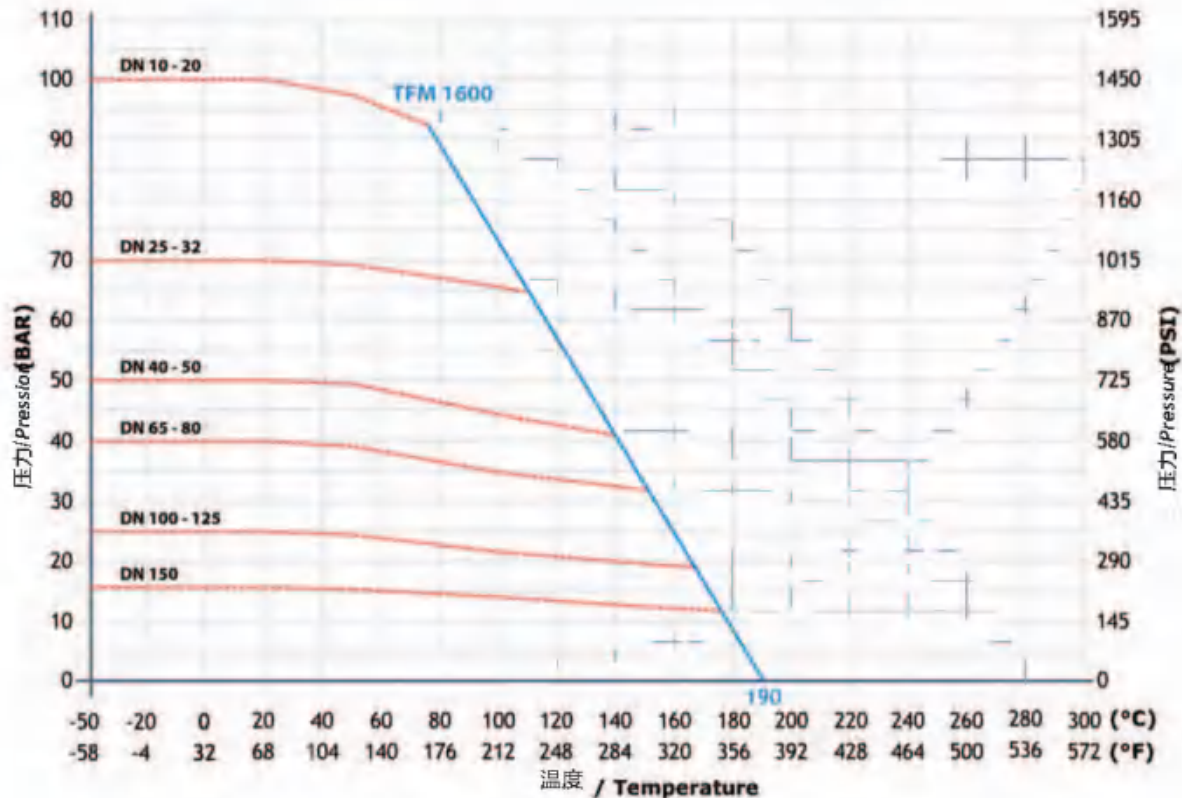
Approvals:

PED 97/23/CE
TA-Luft (fugitive emissions)
AD2000 Merkblatt
Seat material FDA approved

Options:

ATEX 94/9/CE
π marking according to 2010/35/UE TPED:
certification ADR §1.8.7.6
Valves cleaned & degreased according to EN 12300 for Oxygen
Valves packed in closed individual plastic bag.

压力 / 温度图 Pressure/Temperature diagrams

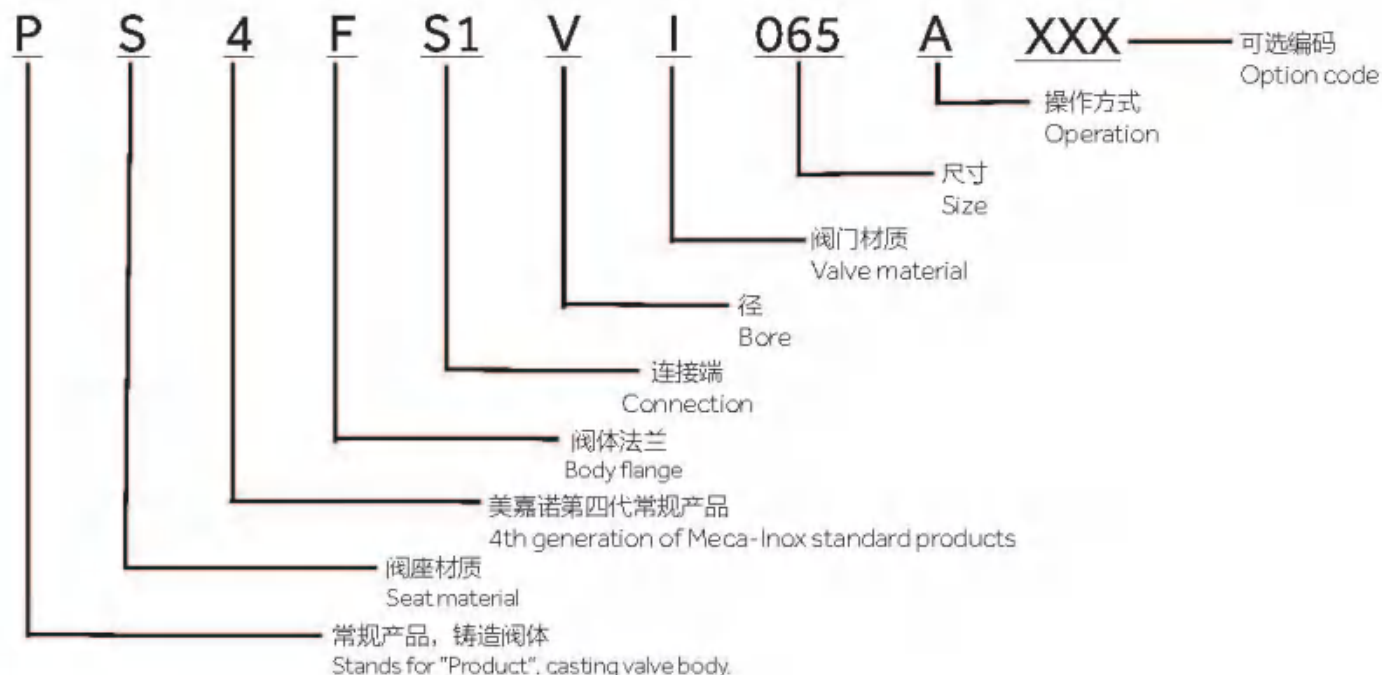


----- 阀体的机械强度
—— 阀座的机械强度

----- mechanical strength of body
—— mechanical strength of seats

所有数值均基于通径尺寸

All values are given for full bore size.



编码 | CODIFICATION

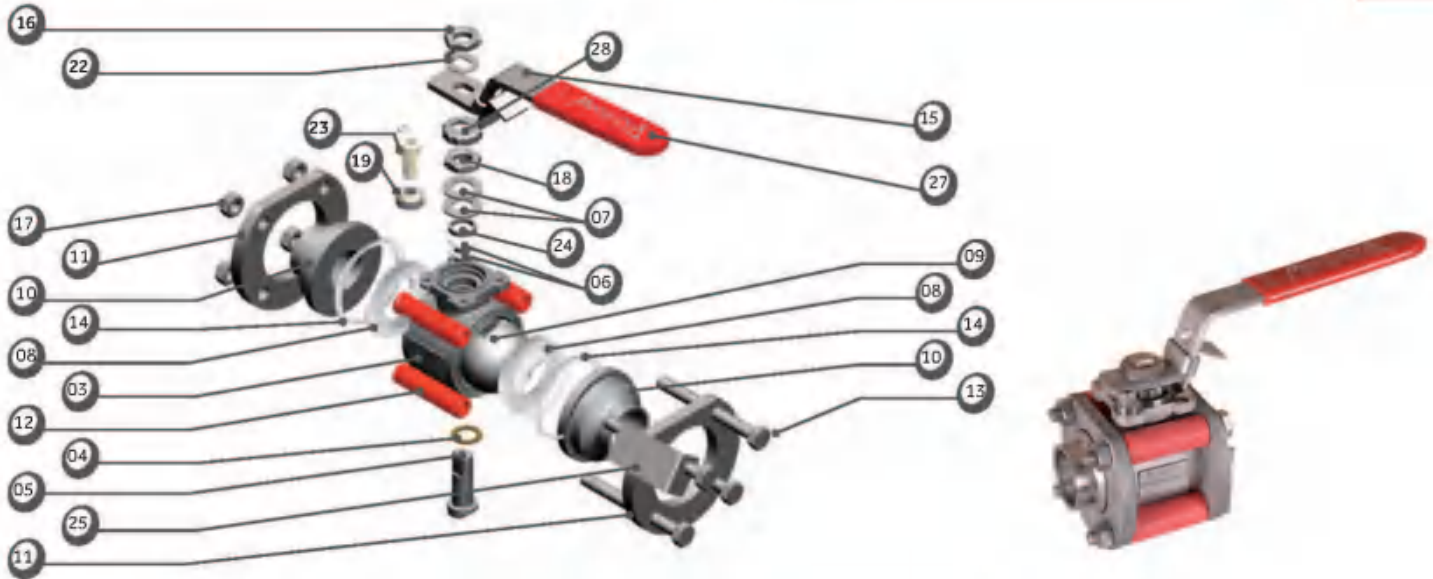
| 阀座 Seat | 阀体法兰 Body flange | 连接端 Connection | 径 Bore | 尺寸 Size | 材质 Material | 操作方式 Operation |
|------------|------------------------|---------------------------------|-----------------------|--------------------|----------------------------------|----------------------------|
| TFM1600 | L 活套法兰形式 Loose ends | BW 对焊 Butt Welding | N 通径 Full bore | DN10 DN150 | 316L | A 手动操作 Manual operation |
| | F 固定法兰形式 Fixed ends | SW 承插焊 Socket Welding | V 缩径 Reduced bore | | 双相不锈钢 Duplex 1.4462 | L 气动/电动 Manual/Electric |
| | | TB NPT螺纹 NPT threaded | T 全通径 Full bore | | 超级双相不锈钢 Super Duplex 1.4410 | O 光杆 Bore stem |
| | | TG BSP螺纹 BSP threaded | S 反径 Inverted bore | | 不锈钢 904L Stainless steel 904L | |
| | | OR 轨道自动焊 Orbital welding | | | 哈氏合金 C22 Hastelloy C22 | |
| | | CL 卡箍 Clamp ends | | | | |
| | | DB 卡套接头 Compression fittings | | | | |
| | | RF 法兰连接 Flange ends | | | | |
| | | 可定制 Customized | | | 可定制 Customized | |

注释:
关于可选编码XXX:
- 球阀上游泄压孔-PG;
- 防火-SF;
- 附件(限位开关/电磁阀等)...

Remark:
About option code XXX:
- Ball upstream vent hole -PG;
- Fire safe-SF;
- Accessories (limit switch/solenoid valve, etc.)

DN 08到 DN 50

Size 1/4" to 2"



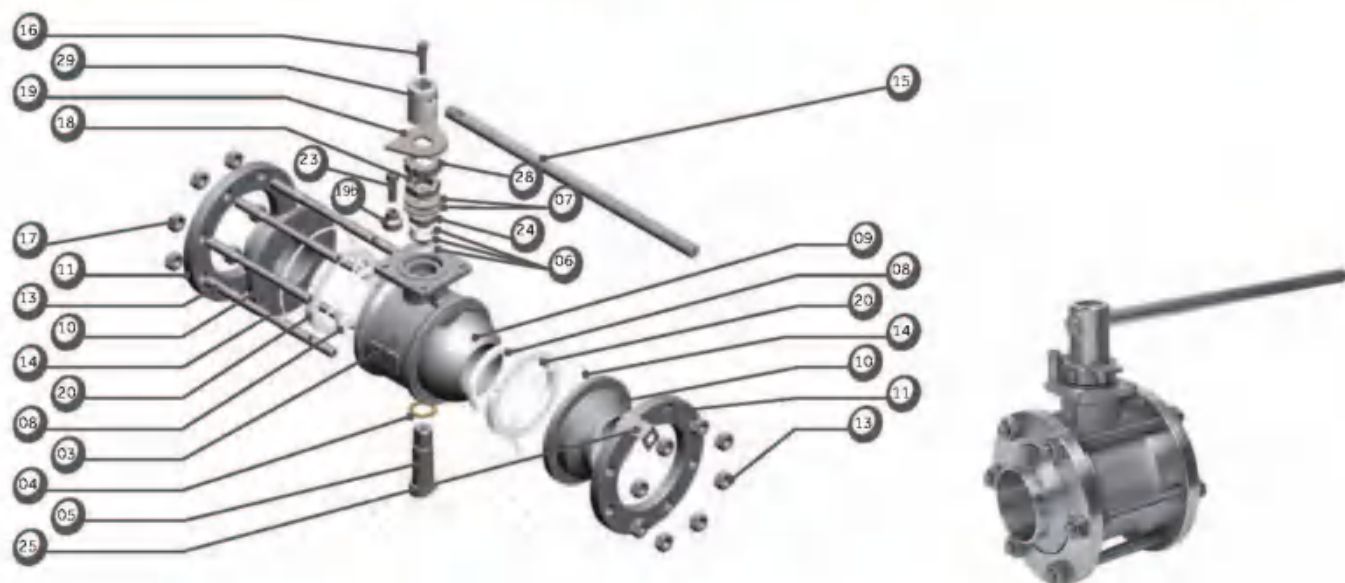
| 编号 | 数量 | 描述 | 材质 (EN) 不锈钢 |
|-----|----|--|---------------------|
| 03 | 1 | 阀体 | 1.4409 |
| 1 | | 阀杆密封 | 20% PEEK PTFE |
| 05 | 1 | 阀杆 | 1.4404 |
| 06 | 1 | 填料 | 33%碳+2%石墨 PTFE |
| | | 填料(防火) | 石墨 |
| 07 | 2 | 弹簧垫片 | 1.4310 |
| 08 | 2 | 阀座 | PTFE |
| 09* | 1 | 阀球 | 1.4409 |
| 10 | 2 | 自由连接端(DN10到25) 自由连接端(DN32到50) 固定连接端 法兰连接端 | 1.4404 |
| 11 | 2 | 阀体法兰 | 1.4307 |
| 12 | 4 | 套管 | 红色 PTFE |
| 13 | 4 | 螺栓 DN 08 到 DN 40 双头螺栓 DN 50 | 1.4301 |
| 14 | 2 | 阀体密封 阀体密封(可选项:防火) | PTFE 1.4404 + 石墨 |
| 15 | 1 | 标准手柄 手柄可选项 | 1.1181 参见操作可选项 |
| 16 | 1 | 手柄紧固螺母 | 1.4404 |
| 16b | 1 | 调整螺栓 DN 10 | 1.4301 |
| 17 | 4 | 螺母 | 1.4301 |
| | 8 | DN50 | 1.4301 |
| 18 | 1 | 压盖螺母 | 1.4404 |
| 19 | 1 | 止动垫圈 | 1.4307 |
| 22 | 1 | 止动片 | 1.4307 |
| 23 | 1 | 止动栓 | 1.4301 |
| 24 | 1 | 填料压盖 | 1.4404 |
| 25 | 1 | 商标(可选项) | 1.4307 |
| 27 | 1 | 带颜色的塑料手柄套(可选项) | PVC |
| 28 | 1 | 螺母止动片 | 1.4307 |

| Item | Qty | Description | Material (ASTM) S. steel |
|------|-----|--|-----------------------------------|
| 03 | 1 | Body | CF3M (316L) |
| 04 | 1 | Stem thrust seal | 20% PEEK PTFE |
| 05 | 1 | Stem | 316L |
| 06 | 1 | Gland packing Gland packing (Fire Safe) | 33%C+2%Gr PTFE Graphite |
| 07 | 2 | Spring washers | 301 |
| 08 | 2 | Seats | PTFE |
| 09* | 1 | Ball | CF3M (316L) |
| 10 | 2 | Loose ends (DN10 to 25) Loose ends (DN32 to 50) Fixed ends Flanged ends | 316L |
| 11 | 2 | Body flange | 304L |
| 12 | 4 | Distance piece | Red PTFE |
| 13 | 4 | Screw Size 1/4" to 1 1/2" Stud Size 2" | 304 |
| 14 | 2 | Body seal Body seal (option: Fire Safe) | PTFE 316L + Graphite |
| 15 | 1 | Handle standard Handle option | 1035 See Options for operation |
| 16 | 1 | Lever nut | 316L |
| 16b | 1 | Lever screw DN 10 | 304 |
| 17 | 4 | Nut screw Size 1/4" to 1 1/2" | 304 |
| | 8 | Size 2" | 304 |
| 18 | 1 | Nut gland | 316L |
| 19 | 1 | Stop ring | 304L |
| 22 | 1 | Nut stop | 304L |
| 23 | 1 | Screw stop | 304 |
| 24 | 1 | Gland | 316L |
| 25 | 1 | Identification label (option) | 304L |
| 27 | 1 | Color plastic cover (option) | PVC |
| 28 | 1 | Stop nut gland | 304L |

*标准钻孔球阀
* Drilled ball as standard

DN 65到 DN 150

Size 2"1/2 to 6"



| 序号 | 数量 | 描述 | 材质 (EN) | |
|-----|------|----------------|---------------|-----|
| | | | | 不锈钢 |
| 03 | 1 | 阀体 | 1.4409 | |
| 04 | 1 | 阀杆密封 | 20% PEEK PTFE | |
| 05 | 1 | 阀杆 | 1.4404 | |
| 06 | 1 | 填料 | PTFE | |
| 07 | 2 | 弹簧垫片 | 1.4310 | |
| 08 | 2 | 阀座 | TFM 1600 | |
| 09* | 1 | 阀球 | 1.4409 | |
| 10 | 2 | 自由连接端 (DN 65) | 1.4404 | |
| | | 自由连接端 (DN 125) | | |
| | | 法兰连接端 | | |
| 11 | 2 | 阀体法兰 | 1.4307 | |
| 13 | 双头螺栓 | | 1.4307 | |
| | 12 | DN 65 | | |
| | 16 | DN 80 到 DN 125 | | |
| | 20 | DN 150 | | |
| 14 | 2 | 阀体密封 | PTFE | |
| 15 | 1 | 标准手柄 | 1.0037 镀铬处理 | |
| | | 手柄可选项 | 参见操作可选项 | |
| 16 | 1 | 手柄螺栓 | 1.4301 | |
| 17 | 紧固螺母 | | 1.4307 | |
| | 6 | DN 65 | | |
| | 8 | DN 80 到 DN 125 | | |
| | 10 | DN 150 | | |
| 18 | 1 | 压盖螺母 | 1.4404 | |
| 19 | 1 | 止动片 | 1.4307 | |
| 19b | 1 | 锁止塞 | 1.4307 | |
| 20 | 2 | 阀座支撑 | 1.4409 | |
| 23 | 1 | 止动栓 | 1.4301 | |
| 24 | 1 | 填料压盖 | 1.4404 | |
| 25 | 1 | 商标 | 1.4307 | |
| 28 | 1 | 螺母止动片 | 1.4307 | |
| 29 | 1 | 标准手柄连接套 | 1.0037 镀铬处理 | |
| | | 手柄连接套 (可选项) | 1.4305 | |

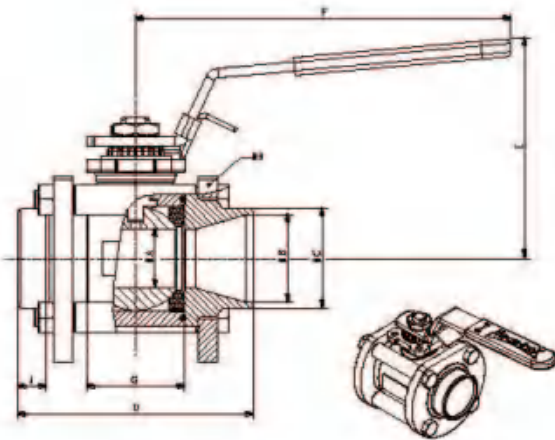
| Item | Qty | Description | Material (ASTM) | |
|------|-----------|-------------------------|---------------------------|---------|
| | | | | S steel |
| 03 | 1 | Body | CF3M (316L) | |
| 04 | 1 | Stem thrust seal | 20%PEEK PTFE | |
| 05 | 1 | Stem | 316L | |
| 06 | 1 | Gland packing | PTFE | |
| 07 | 2 | Spring washers | 301 | |
| 08 | 2 | Seat | TFM 1600 | |
| 09* | 1 | Ball | CF3M (316L) | |
| 10 | 2 | Loose ends (Size 2"1/2) | 316L | |
| | | Loose ends (Size 3") | | |
| | | Flanged ends | | |
| 11 | 2 | Body flange | 304L | |
| 13 | Stud | | 304L | |
| | 12 | Size 2"1/2 | | |
| | 16 | Size 3" to 5" | | |
| | 20 | Size 6" | | |
| 14 | 2 | Body seal | PTFE | |
| 15 | 1 | Handle standard | A283 Gr C chrome plating | |
| | | Handle option | See Options for operation | |
| 16 | 1 | Handle screw | 304 | |
| 17 | Nut screw | | 304L | |
| | 6 | Size 2"1/2 | | |
| | 8 | Size 3" to 5" | | |
| | 10 | Size 6" | | |
| 18 | 1 | Nut gland | 316L | |
| 19 | 1 | Stop plate | 304L | |
| 19b | 1 | Locking plug | 304L | |
| 20 | 2 | Seat holder | 316L | |
| 23 | 1 | Stop screw | 304 | |
| 24 | 1 | Gland | 316L | |
| 25 | 1 | Identification label | 304L | |
| 28 | 1 | Stop nut gland | 304L | |
| 29 | 1 | Handle adaptor | A283 Gr C chrome plating | |
| | | Handle adaptor option | 301 | |

对焊

DN 15 到 DN 65
缩径
ISO 管道标准

Butt Weld

Size 1/2" to 2"1/2"
Reduced bore
ISO pipe

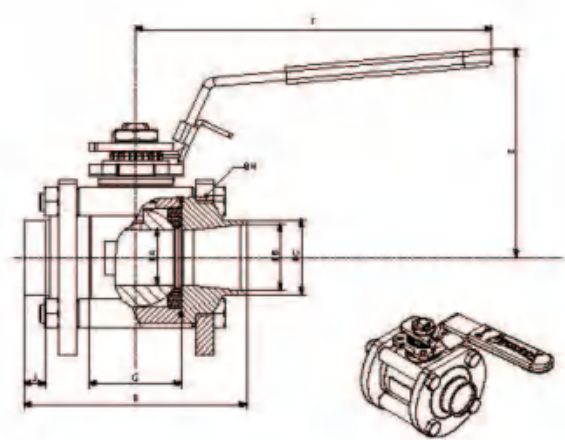


对焊

DN 08 到 DN 50
通径
ISO 管道标准

Butt Weld

Size 1/4" to 2"
Full bore
ISO pipe



| 尺寸 Size | PN | ØA | ØB | ØC | D | E | F | G | ØH | J | ISO 5211 | 重量(公斤) Weight (Kg) |
|------------------------------|-------|-----|------|------|------|-----|-----|-----|------|-----|-------------|-----------------------|
| V • 缩径 / Reduced bore | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 17.3 | 21.3 | 65 | 70 | 120 | 20.4 | 56 | 8.5 | F03 0.650 |
| 20 | 3/4" | 100 | 14 | 22.9 | 26.9 | 70 | 73 | 120 | 24.4 | 63 | 8.8 | F03 0.800 |
| 25 | 1" | 100 | 19 | 29.7 | 33.7 | 85 | 91 | 160 | 31.6 | 80 | 9.1 | F04 1.610 |
| 32 | 1"1/4 | 70 | 25 | 37.2 | 42.4 | 100 | 95 | 160 | 41.4 | 88 | 11.9 | F04 2.100 |
| 40 | 1"1/2 | 70 | 32 | 43.1 | 48.3 | 110 | 111 | 190 | 48.2 | 104 | 10.9 | F05 3.120 |
| 50 | 2" | 50 | 38 | 54.5 | 60.3 | 125 | 116 | 190 | 56.2 | 117 | 14.1 | F05 4.300 |
| 65 | 2"1/2 | 50 | 50 | 70.3 | 76.1 | 150 | 137 | 230 | 71 | 148 | 13.2 | F07 8.590 |
| N • 通径 / Full bore | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 9.5 | 13.5 | 65 | 70 | 120 | 20.4 | 56 | 6.4 | F03 0.640 |
| 12 | 3/8" | 100 | 11.1 | 13.2 | 17.2 | 65 | 70 | 120 | 20.4 | 56 | 7.3 | F03 0.640 |
| 15 | 1/2" | 100 | 14 | 17.3 | 21.3 | 70 | 73 | 120 | 24.4 | 63 | 7.3 | F03 0.800 |
| 20 | 3/4" | 100 | 19 | 22.9 | 26.9 | 85 | 91 | 160 | 31.6 | 80 | 7.2 | F04 1.610 |
| 25 | 1" | 70 | 25 | 29.7 | 33.7 | 100 | 95 | 160 | 41.4 | 88 | 9.4 | F04 2.080 |
| 32 | 1"1/4 | 70 | 32 | 37.2 | 42.4 | 110 | 111 | 190 | 48.2 | 104 | 9.2 | F05 3.310 |
| 40 | 1"1/2 | 50 | 38 | 43.1 | 48.3 | 125 | 116 | 190 | 56.2 | 117 | 10.7 | F05 4.270 |
| 50 | 2" | 50 | 50 | 54.5 | 60.3 | 150 | 137 | 230 | 71 | 148 | 8.6 | F07 8.690 |

对焊

DN 80 到 DN 200

缩径

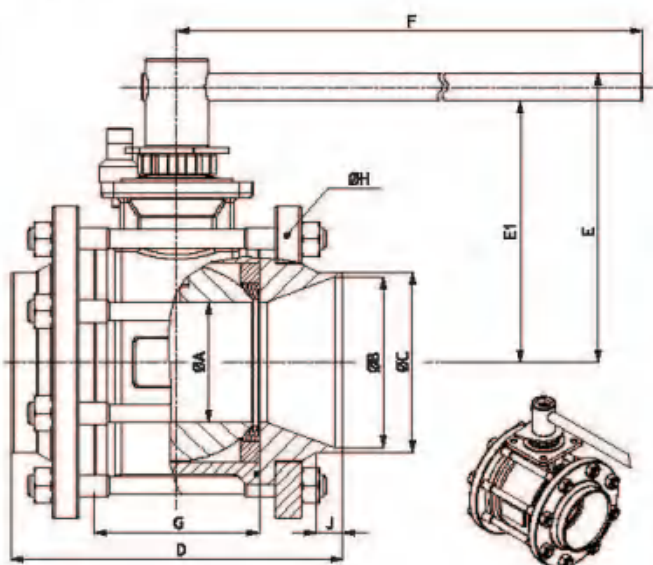
ISO 管道标准

Butt Weld

Size 3" to 8"

Reduced bore

ISO pipe



对焊

DN 65 到 DN 150

通径

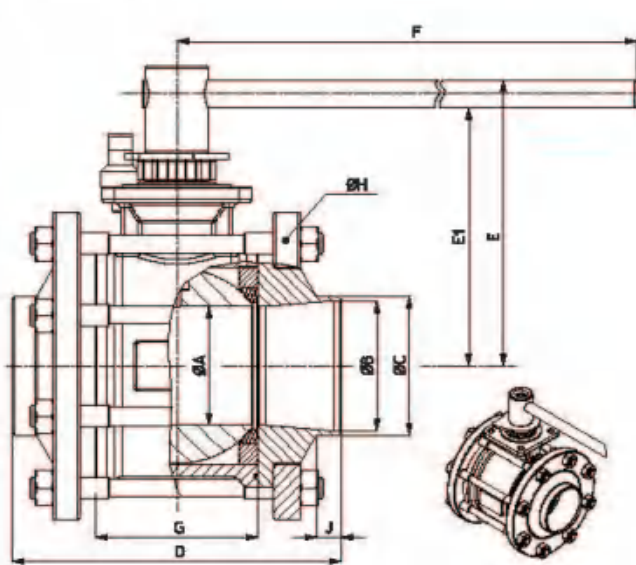
ISO 管道标准

Butt Weld

Size 2"1/2 to 6"

Full bore

ISO pipe



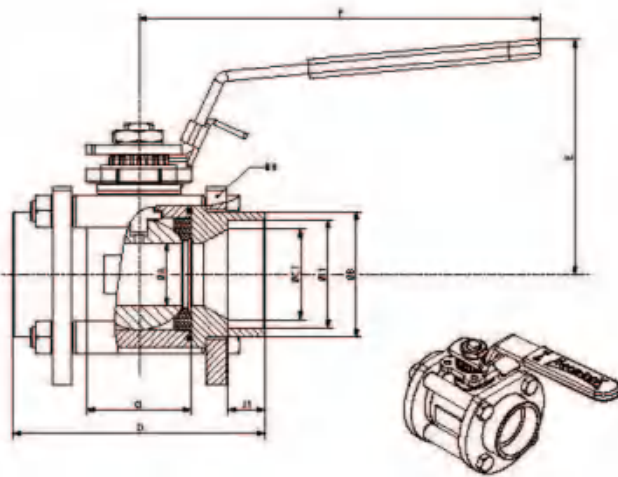
| 尺寸 Size | PN | ØA | ØB | ØC | D | E | E1 | F | G | ØH | J | ISO 5211 | 重量(公斤) Weight (Kg) | |
|-----------------------------|-------|----|-----|-------|-------|-----|-----|-----|-----|-----|-----|-------------|-----------------------|--------|
| V *缩径 / Reducet bore | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 83.1 | 88.9 | 180 | 171 | 153 | 370 | 84 | 174 | 12.8 | F07 | 14.840 |
| 100 | 4" | 40 | 76 | 107.9 | 114.3 | 210 | 182 | 165 | 440 | 104 | 197 | 16.4 | F10 | 22.310 |
| 125 | 5" | 25 | 100 | 133.7 | 139.7 | 230 | 204 | 184 | 505 | 130 | 236 | 12.9 | F10 | 33.980 |
| 150 | 6" | 25 | 125 | 162.3 | 168.3 | 260 | 248 | 221 | 710 | 157 | 288 | 11.6 | F12 | 57.940 |
| 200 | 8" | 16 | 150 | 211.5 | 219 | 290 | 270 | 243 | 710 | 185 | 324 | 12.1 | F12 | 78.900 |
| N *通径 / Full bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 70.3 | 76.1 | 180 | 171 | 153 | 370 | 84 | 174 | 14.4 | F07 | 14.800 |
| 80 | 3" | 40 | 76 | 83.1 | 88.9 | 210 | 182 | 165 | 440 | 104 | 197 | 14.9 | F10 | 22.510 |
| 100 | 4" | 25 | 100 | 107.9 | 114.3 | 230 | 204 | 184 | 505 | 130 | 236 | 12.7 | F10 | 34.360 |
| 125 | 5" | 25 | 125 | 133.7 | 139.7 | 260 | 248 | 221 | 710 | 157 | 288 | 12.6 | F12 | 58.430 |
| 150 | 6" | 16 | 150 | 162.3 | 168.3 | 290 | 270 | 243 | 710 | 185 | 324 | 10.9 | F12 | 80.860 |

承插焊

DN 15 到 DN 65
 通径
 ISO 管道标准

Socket Weld

Size 1/2" to 2" 1/2
 Full bore
 ISO pipe

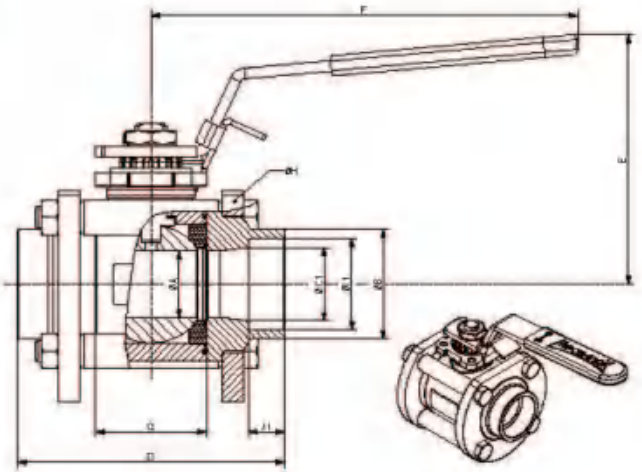


承插焊

DN 08 到 DN 50
 通径
 ISO 管道标准

Socket Weld

Size 1/4" to 2"
 Full bore
 ISO pipe



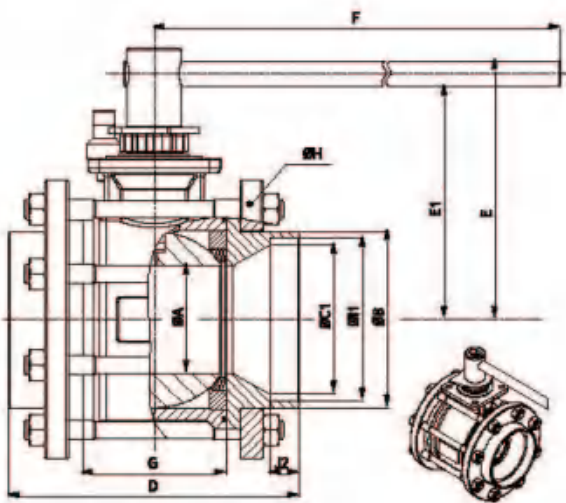
| 尺寸 Size | PN | ØA | ØB | ØC1 | D | E | F | G | ØH | ØI1 | J1 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|------------------------|--------|-----|------|------|------|-----|-----|-----|------|-----|------|-------------|-----------------------|-------|
| V * 通径 / Required bore | | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 27.0 | 16.1 | 65 | 70 | 120 | 20.4 | 56 | 21.9 | 10.5 | F03 | 0.650 |
| 20 | 3/4" | 100 | 14 | 33.0 | 21.7 | 70 | 73 | 120 | 24.4 | 63 | 27.3 | 13.5 | F03 | 0.810 |
| 25 | 1" | 100 | 19 | 42.0 | 27.3 | 85 | 91 | 160 | 31.6 | 80 | 34.0 | 13.5 | F04 | 1.610 |
| 32 | 1" 1/4 | 70 | 25 | 50.0 | 36.0 | 100 | 95 | 160 | 41.4 | 88 | 42.8 | 14.5 | F04 | 2.080 |
| 40 | 1" 1/2 | 70 | 32 | 56.0 | 41.9 | 110 | 111 | 190 | 48.2 | 104 | 48.9 | 16.0 | F05 | 3.270 |
| 50 | 2" | 50 | 38 | 69.0 | 53.1 | 125 | 116 | 190 | 56.2 | 117 | 61.3 | 17.5 | F05 | 4.220 |
| 65 | 2" 1/2 | 50 | 50 | 85.0 | 68.9 | 150 | 137 | 230 | 71 | 148 | 77.1 | 19.0 | F07 | 8.380 |
| N * 通径 / Full bore | | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 19.6 | 11.1 | 65 | 70 | 120 | 20.4 | 56 | 14.3 | 10.5 | F03 | 0.650 |
| 12 | 3/8" | 100 | 11.1 | 24.0 | 12.6 | 65 | 70 | 120 | 20.4 | 56 | 17.8 | 10.5 | F03 | 0.650 |
| 15 | 1/2" | 100 | 14 | 29.0 | 16.1 | 70 | 73 | 120 | 24.4 | 63 | 21.9 | 10.5 | F03 | 0.810 |
| 20 | 3/4" | 100 | 19 | 34.3 | 21.7 | 85 | 91 | 160 | 31.6 | 80 | 27.3 | 13.5 | F04 | 1.610 |
| 25 | 1" | 70 | 25 | 41.0 | 27.3 | 100 | 95 | 160 | 41.4 | 88 | 34.0 | 13.5 | F04 | 2.110 |
| 32 | 1" 1/4 | 70 | 32 | 49.8 | 36.0 | 110 | 111 | 190 | 48.2 | 104 | 42.8 | 14.5 | F05 | 3.320 |
| 40 | 1" 1/2 | 50 | 38 | 55.9 | 41.9 | 125 | 116 | 190 | 56.2 | 117 | 48.9 | 16.0 | F05 | 4.270 |
| 50 | 2" | 50 | 50 | 69.2 | 53.1 | 150 | 137 | 230 | 71 | 148 | 61.3 | 17.5 | F07 | 8.640 |

承插焊

DN 80 到 DN 200
通径
ISO 管道标准

Socket Weld

Size 3" to 8"
Full bore
ISO pipe

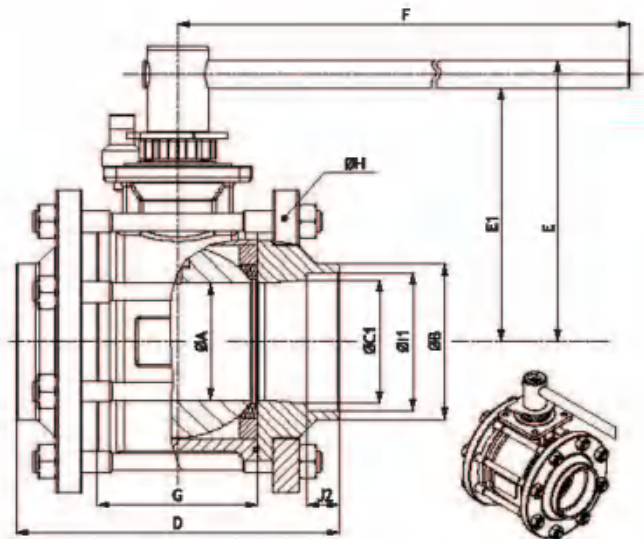


承插焊

DN 65 到 DN 150
通径
ISO 管道标准

Socket Weld

Size 2"1/2 to 6"
Full bore
ISO pipe



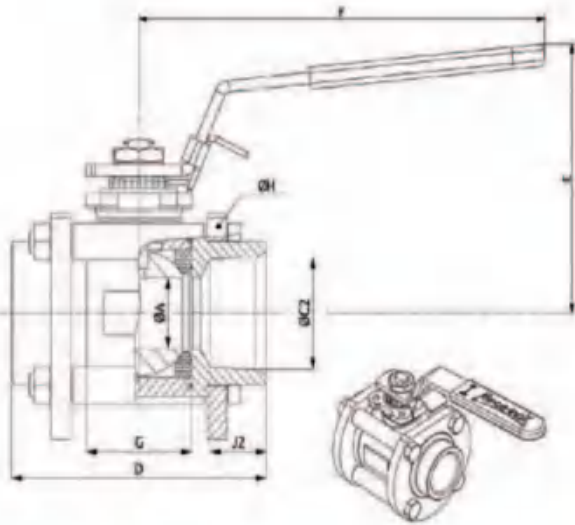
| 尺寸 Size | PN | ØA | ØB | ØC1 | D | E | E1 | F | G | ØH | ØH1 | J2 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|------------------------------|-------|----|-----|-------|-------|-----|-----|-----|-----|-----|-----|-------|-------------|-----------------------|--------|
| V • 缩径 / Reduced bore | | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 101 | 81 | 180 | 171 | 153 | 370 | 84 | 174 | 89.9 | 21 | F07 | 14.700 |
| 100 | 4" | 40 | 76 | 125 | 105.3 | 210 | 182 | 165 | 440 | 104 | 197 | 115.5 | 21 | F10 | 22.010 |
| 125 | 5" | 25 | 100 | 148.5 | 135 | 230 | 204 | 184 | 505 | 130 | 236 | 141.3 | 24 | F10 | 32.820 |
| 150 | 6" | 25 | 125 | 177.5 | 164 | 260 | 248 | 221 | 710 | 157 | 288 | 171.3 | 24 | F12 | 56.140 |
| 200 | 8" | 16 | 150 | 229 | 214 | 290 | 270 | 243 | 710 | 185 | 324 | 221.8 | 30 | F12 | 74.290 |
| N • 通径 / Full bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 87 | 69 | 180 | 171 | 153 | 370 | 84 | 174 | 77.6 | 19 | F07 | 14.890 |
| 80 | 3" | 40 | 76 | 101 | 81 | 210 | 182 | 165 | 440 | 104 | 197 | 89.9 | 21 | F10 | 22.750 |
| 100 | 4" | 25 | 100 | 127.5 | 105.3 | 230 | 204 | 184 | 505 | 130 | 236 | 115.5 | 21 | F10 | 34.35 |
| 125 | 5" | 25 | 125 | 148.5 | 135 | 260 | 248 | 221 | 710 | 157 | 288 | 141.3 | 24 | F12 | 57.120 |
| 150 | 6" | 16 | 150 | 177.5 | 164 | 290 | 270 | 243 | 710 | 185 | 324 | 171.3 | 24 | F12 | 80.040 |

BSP (TG) & NPT (TB) 螺纹连接

DN 15 到 DN 65
缩径

BSP (TG) & NPT (TB) thread

Size 1/2" to 2" 1/2
Reduced bore

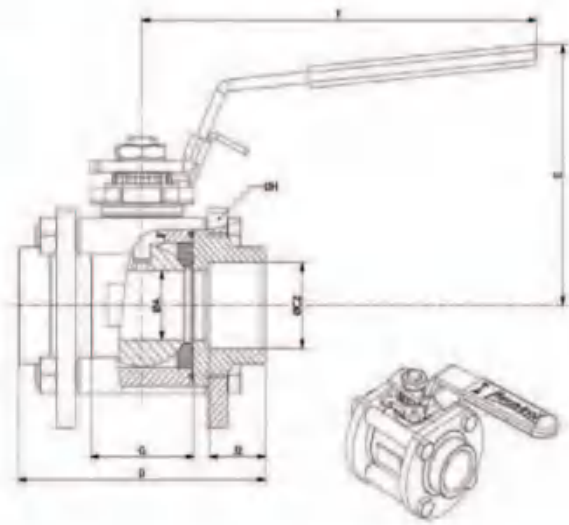


BSP (TG) & NPT (TB) 螺纹连接

DN 08 到 DN 50
通径

BSP (TG) & NPT (TB) thread

Size 1/4" to 2"
Full bore



| 尺寸 Size | PN | Ø A | Ø C2 | | D | E | F | G | Ø H | J2 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|-----------------------|--------|-----|----------------|------------|--------|-----|-----|-----|------|-----|-------------|-----------------------|-------|
| | | | GAZ BSP "P" | NPT NPT | | | | | | | | | |
| V * 缩径 / Reduced bore | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 1/2" | 1/2" | 65 | 70 | 120 | 20.4 | 56 | 16 | F03 | 0.640 |
| 20 | 3/4" | 100 | 14 | 3/4" | 3/4" | 70 | 73 | 120 | 24.4 | 63 | 16 | F03 | 0.800 |
| 25 | 1" | 100 | 19 | 1" | 1" | 85 | 91 | 160 | 31.6 | 80 | 20 | F04 | 1.600 |
| 32 | 1" 1/4 | 70 | 25 | 1" 1/4 | 1" 1/4 | 100 | 95 | 160 | 41.4 | 88 | 22 | F04 | 2.050 |
| 40 | 1" 1/2 | 70 | 32 | 1" 1/2 | 1" 1/2 | 110 | 111 | 190 | 48.2 | 104 | 22 | F05 | 3.270 |
| 50 | 2" | 50 | 38 | 2" | 2" | 125 | 116 | 190 | 56.2 | 117 | 25 | F05 | 4.160 |
| 65 | 2" 1/2 | 50 | 50 | 2" 1/2 | 2" 1/2 | 150 | 137 | 230 | 71 | 148 | 30 | F07 | 7.730 |
| N * 通径 / Full bore | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 1/4" | 1/4" | 65 | 70 | 120 | 20.4 | 56 | 12 | F03 | 0.700 |
| 12 | 3/8" | 100 | 11.1 | 3/8" | 3/8" | 65 | 70 | 120 | 20.4 | 56 | 12 | F03 | 0.680 |
| 15 | 1/2" | 100 | 14 | 1/2" | 1/2" | 70 | 73 | 120 | 24.4 | 63 | 16 | F03 | 0.980 |
| 20 | 3/4" | 100 | 19 | 3/4" | 3/4" | 85 | 91 | 160 | 31.6 | 80 | 16 | F04 | 1.690 |
| 25 | 1" | 70 | 25 | 1" | 1" | 100 | 95 | 160 | 41.4 | 88 | 20 | F04 | 2.120 |
| 32 | 1" 1/4 | 70 | 32 | 1" 1/4 | 1" 1/4 | 110 | 111 | 190 | 48.2 | 104 | 22 | F05 | 3.320 |
| 40 | 1" 1/2 | 50 | 38 | 1" 1/2 | 1" 1/2 | 125 | 116 | 190 | 56.2 | 117 | 22 | F05 | 4.380 |
| 50 | 2" | 50 | 50 | 2" | 2" | 150 | 137 | 230 | 71 | 148 | 25 | F07 | 8.840 |

BSP (TG) & NPT (TB) 螺纹连接

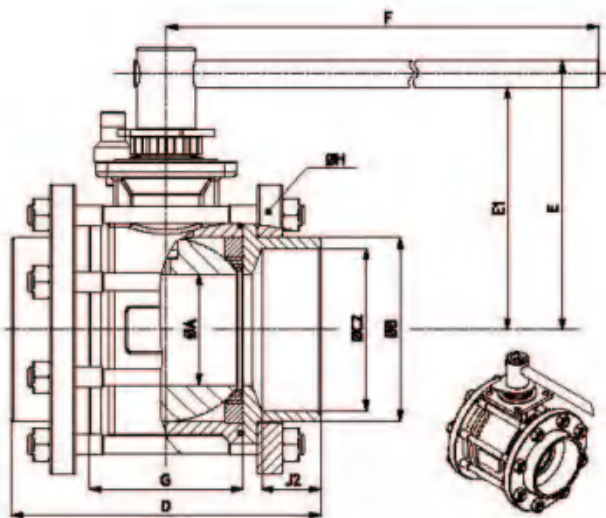
DN 80 到 DN 100

缩径

BSP (TG) & NPT (TB) thread

Size 3" to 4"

Reduced bore



BSP (TG) & NPT (TB) 螺纹连接

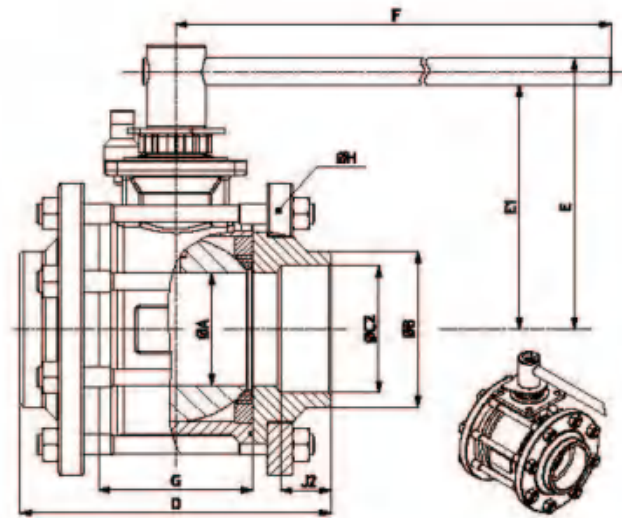
DN 65 到 DN 100

通径

BSP (TG) & NPT (TB) thread

Size 2"1/2 to 4"

Full bore



| 尺寸 Size | PN | ØA | ØB | ØC2 | | D | E | E1 | F | G | ØH | J2 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|---------------------|-------|----|-----|----------------|------------|-------|-----|-----|-----|-----|-----|-----|-------------|-----------------------|--------|
| | | | | CAZ BSP "P" | NPT NPT | | | | | | | | | | |
| V *缩径/ Reduced bore | | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 107 | 3" | 3" | 180 | 171 | 153 | 370 | 84 | 174 | 34 | F07 | 14.940 |
| 100 | 4" | 40 | 76 | 125 | 4" | 4" | 210 | 182 | 165 | 440 | 104 | 197 | 40 | F10 | 21.590 |
| N *通径/ Full bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 85 | 2"1/2 | 2"1/2 | 180 | 171 | 153 | 370 | 84 | 174 | 31 | F07 | 15.000 |
| 80 | 3" | 40 | 76 | 105 | 3" | 3" | 210 | 182 | 165 | 440 | 104 | 197 | 34 | F10 | 22.950 |
| 100 | 4" | 25 | 100 | 130 | 4" | 4" | 230 | 204 | 184 | 505 | 130 | 236 | 40 | F10 | 34.740 |

轨道自动焊

DN 08 到 DN 50

通径

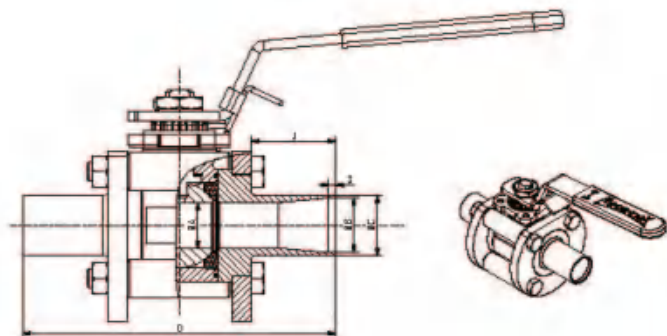
ISO 管道标准

Orbital welding

Size 1/4" to 2"

Full bore

ISO pipe



可选项：其他尺寸可定制

轨道自动焊

DN 65 到 DN 150

通径

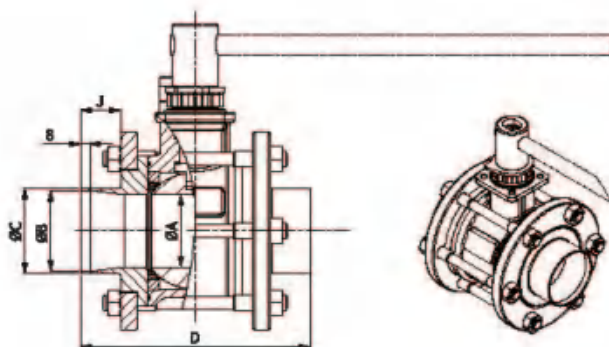
ISO 管道标准

Orbital welding

Size 2"1/2 to 6"

Full bore

ISO pipe



On request : other sizes available

| 尺寸 Size | PN | ØA | ØB | ØC | D | J |
|------------|-----|------|------|------|-----|----|
| 08 1/4" | 100 | 11.1 | 10.3 | 13.5 | 113 | 35 |
| 12 3/8" | 100 | 11.1 | 14 | 17.2 | 113 | 35 |
| 15 1/2" | 100 | 14 | 18.1 | 21.3 | 117 | 35 |
| 20 3/4" | 100 | 19 | 23.7 | 26.9 | 130 | 35 |
| 25 1" | 70 | 25 | 29.7 | 33.7 | 140 | 35 |
| 32 1"1/4" | 70 | 32 | 38.4 | 42.4 | 151 | 35 |
| 40 1"1/2" | 50 | 38 | 44.3 | 48.3 | 159 | 35 |
| 50 2" | 50 | 50 | 56.3 | 60.3 | 185 | 35 |

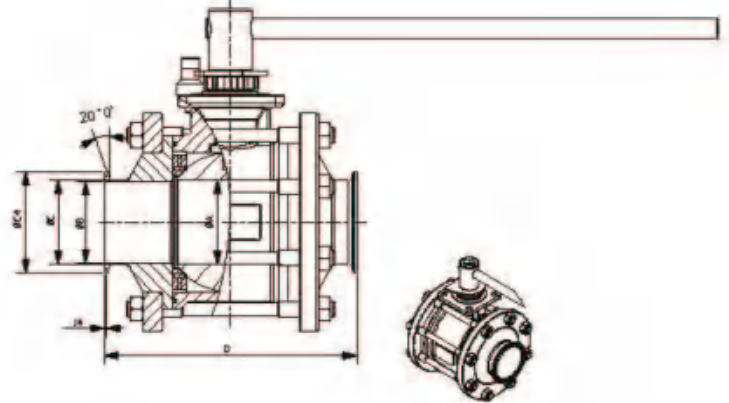
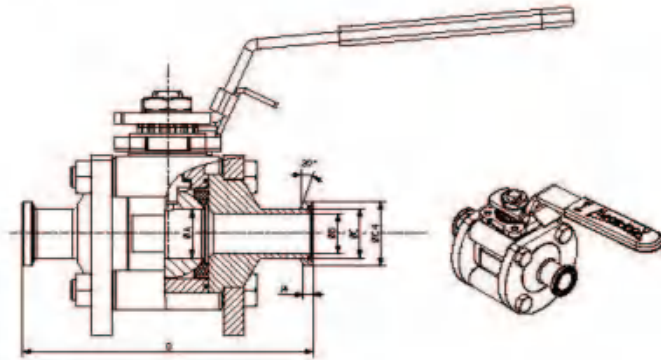
| 尺寸 Size | PN | ØA | ØB | ØC | D | J |
|------------|----|-----|-------|-------|-----|----|
| 65 2"1/2" | 40 | 64 | 70.3 | 76.1 | 202 | 35 |
| 80 3" | 40 | 76 | 83.1 | 88.9 | 228 | 35 |
| 100 4" | 25 | 100 | 107.9 | 114.3 | 256 | 35 |
| 125 5" | 25 | 125 | 133.7 | 139.7 | 291 | 35 |
| 150 6" | 16 | 150 | 162.3 | 168.3 | 323 | 35 |

卡箍式连接端

DN 08 到 DN 150

Triclamp ends

Size 1/4" to 6"



可定制: 可以根据要求定制
ISO / DIN / BSOD / SMS / MICRO-CLAMP / KF

On request: following dimensions standards:
ISO / DIN / BSOD / SMS / MICRO-CLAMP / KF

| 尺寸 Size | ØA | D | J4 | ISO (2004) | | | DIN (11850 Row2) | | | BSOD | | | SMS (3008) | | | |
|------------|-------|------|-----|------------|------|------|------------------|-----|-----|------|-------|-------|------------|------|------|------|
| | | | | ØB | ØC | ØC4 | ØB | ØC | ØC4 | ØB | ØC | ØC4 | ØB | ØC | ØC4 | |
| 08 | 1/4" | 11.1 | 89 | 2.85 | 10.3 | 13.5 | 25 | 8 | 10 | 25 | 4.62 | 6.4 | 25 | 8 | 10 | 25 |
| 12 | 3/8" | 11.1 | 89 | 2.85 | 14 | 17.2 | 25 | 10 | 12 | 25 | - | - | - | 10 | 12 | 25 |
| 15 | 1/2" | 14 | 101 | 2.85 | 18.1 | 21.3 | 50.5 | 16 | 19 | 50.5 | 10.92 | 12.7 | 25 | 16 | 18 | 50.5 |
| 20 | 3/4" | 19 | 114 | 2.85 | 23.7 | 26.9 | 50.5 | 20 | 23 | 50.5 | 15.75 | 19.05 | 25 | 20 | 22 | 50.5 |
| 25 | 1" | 25 | 114 | 2.85 | 29.7 | 33.7 | 50.5 | 26 | 29 | 50.5 | 22.1 | 25.4 | 50.5 | 22.6 | 25 | 50.5 |
| 32 | 1"1/4 | 32 | 139 | 2.85 | 41.4 | 45.4 | 64 | 32 | 35 | 50.5 | - | - | - | 31.3 | 33.7 | 64 |
| 40 | 1"1/2 | 38 | 159 | 2.85 | 44.3 | 48.3 | 64 | 38 | 41 | 50.5 | 34.8 | 38.1 | 50.5 | 35.6 | 38 | 64 |
| 50 | 2" | 50 | 164 | 2.85 | 56.3 | 60.3 | 77.5 | 50 | 53 | 64 | 47.5 | 50.8 | 64 | 48.6 | 51 | 77.5 |
| 65 | 2"1/2 | 65 | 202 | 2.85 | 71.5 | 76.1 | 91 | 66 | 70 | 91 | 60.2 | 63.5 | 77.5 | 60.3 | 63.5 | 91 |
| 80 | 3" | 76 | 228 | 2.85 | 84.3 | 88.9 | 106 | 81 | 85 | 106 | 72.9 | 76.2 | 91 | 72.9 | 76.1 | 106 |
| 100 | 4" | 100 | 256 | 2.85 | - | - | - | 100 | 104 | 119 | 97.4 | 101.6 | 119 | - | - | - |
| 125 | 5" | 125 | 309 | 5.6 | - | - | - | - | - | - | - | - | - | - | - | - |
| 150 | 6" | 150 | 337 | 5.6 | - | - | - | - | - | - | - | - | - | - | - | - |

卡套接头

DN06 到 DN 18

通路

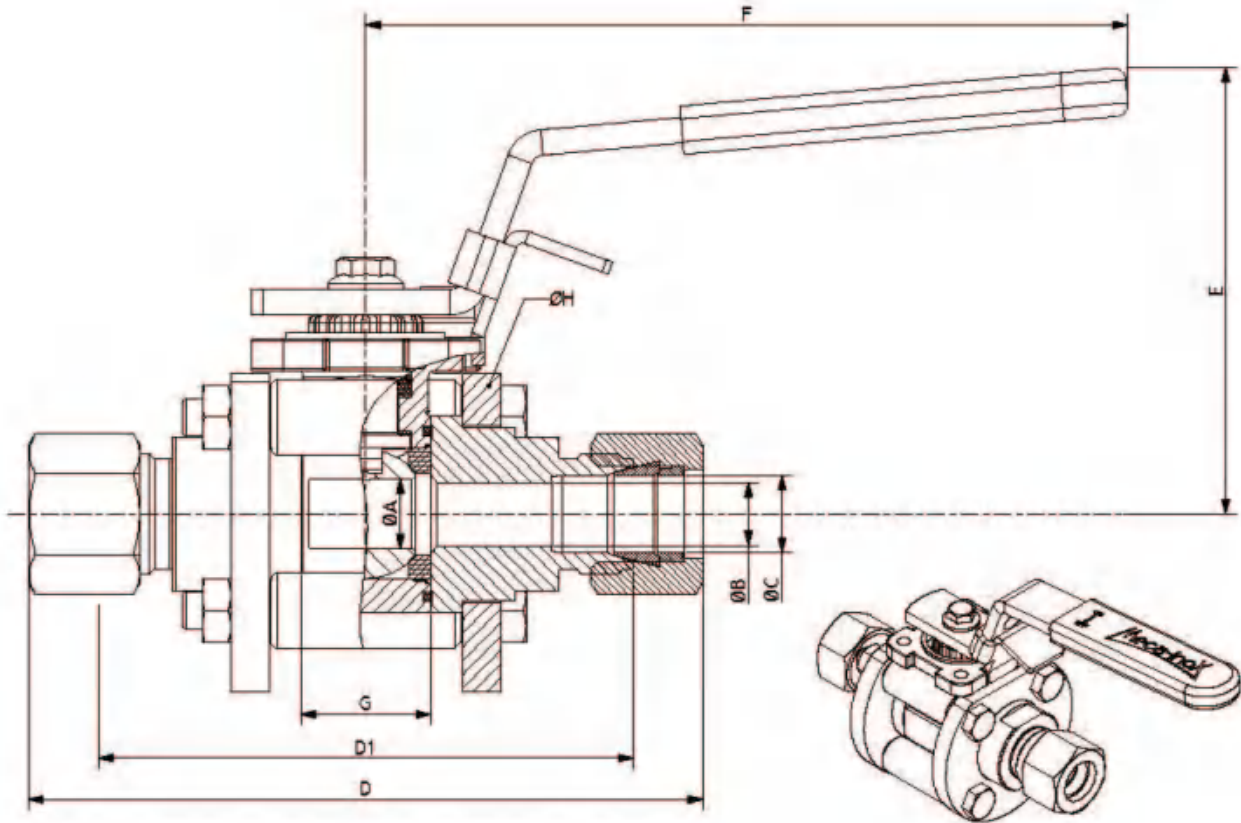
阀门安装更加容易，快捷
(螺母锁紧，无需焊接管路)

Compression fittings

Size 06 to 18

Full bore

Fast and easy valve installation
(nut screwing without welding)



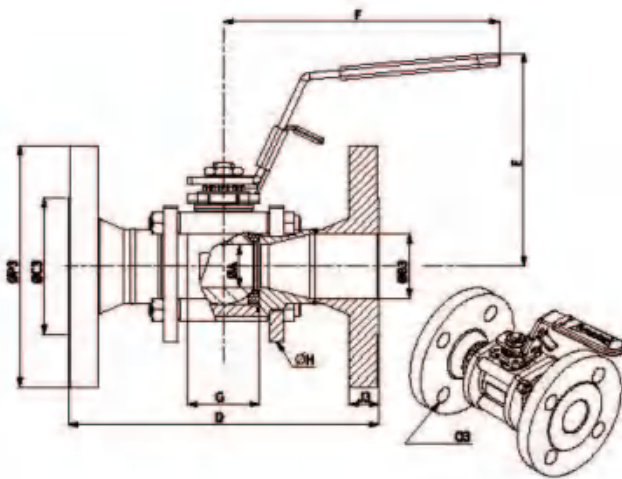
| 尺寸 Size | PN | ØA | ØB | ØC | D | D1 | E | F | G | ØH | ISO 5211 |
|------------|-----|------|-----|---------|-------|------|----|-----|------|----|-------------|
| 06 | 100 | 11.1 | 4.8 | OD 6 | 98 | 83.2 | 70 | 120 | 20.4 | 56 | F03 |
| 08 | 100 | 11.1 | 6.4 | OD 8 | 98 | 83 | 70 | 120 | 20.4 | 56 | F03 |
| 10 | 100 | 11.1 | 7.9 | OD 10 | 99.6 | 84.4 | 70 | 120 | 20.4 | 56 | F03 |
| 12 | 100 | 11.1 | 9.8 | OD 12 | 104.7 | 84.5 | 70 | 120 | 20.4 | 56 | F03 |
| 1/2"(OD) | 100 | 11.1 | 9.8 | OD 1/2" | 104.7 | 84.5 | 70 | 120 | 20.4 | 56 | F03 |
| 18 | 100 | 14 | 14 | OD 18 | 113.8 | 93.6 | 73 | 120 | 24.4 | 63 | F03 |

法兰连接

DN 15 到 DN 65
缩径 - PN 40

Flanged

Size 1/2" to 2 1/2"
Reduced bore - PN40

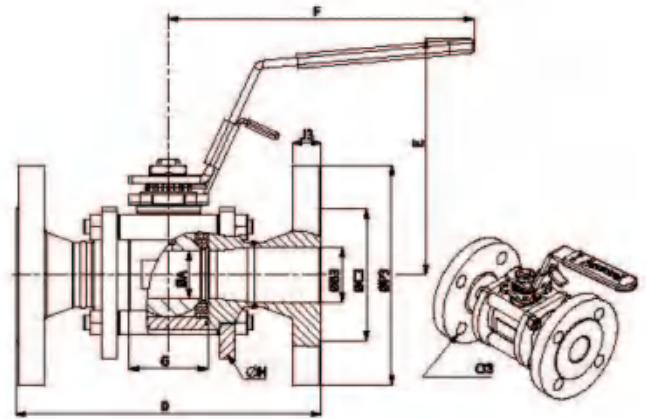


法兰连接

DN 15 到 DN 50
通径 - PN 40

Flanged

Size 1/2" to 2"
Full bore - PN40



| 尺寸 Size | PN | ØA | ØB3 | ØC3 | D | E | F | G | ØH | J3 | ØJ | ØP3 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|------------------------------|--------|----|------|------|-----|-----|-----|-----|------|-----|----|--------------|-------------|-----------------------|--------|
| <i>V - 缩径 / Reduced bore</i> | | | | | | | | | | | | | | | |
| 15 | 1/2" | 40 | 11.1 | 17.3 | 45 | 130 | 123 | 120 | 20.4 | 56 | 16 | 4xØ14 / Ø65 | 95 | F03 | 1.930 |
| 20 | 3/4" | 40 | 14 | 22.3 | 58 | 150 | 126 | 120 | 24.4 | 63 | 18 | 4xØ14 / Ø75 | 105 | F03 | 2.690 |
| 25 | 1" | 40 | 19 | 28.5 | 68 | 160 | 145 | 160 | 31.6 | 80 | 18 | 4xØ14 / Ø85 | 115 | F04 | 3.910 |
| 32 | 1 1/4" | 40 | 25 | 37.2 | 78 | 180 | 149 | 160 | 41.4 | 88 | 18 | 4xØ18 / Ø100 | 140 | F04 | 5.490 |
| 40 | 1 1/2" | 40 | 32 | 43.1 | 88 | 200 | 160 | 190 | 48.2 | 104 | 18 | 4xØ18 / Ø110 | 150 | F05 | 7.120 |
| 50 | 2" | 40 | 38 | 54.5 | 102 | 230 | 165 | 190 | 56.2 | 117 | 20 | 4xØ18 / Ø125 | 165 | F05 | 9.440 |
| 65 | 2 1/2" | 40 | 50 | 70.3 | 122 | 290 | 180 | 230 | 71 | 148 | 22 | 8xØ18 / Ø145 | 185 | F07 | 15.370 |
| <i>N - 通径 / Full bore</i> | | | | | | | | | | | | | | | |
| 15 | 1/2" | 40 | 14 | 17.3 | 45 | 130 | 126 | 120 | 24.4 | 63 | 16 | 4xØ14 / Ø65 | 95 | F03 | 2.250 |
| 20 | 3/4" | 40 | 19 | 22.3 | 58 | 150 | 145 | 160 | 31.6 | 80 | 18 | 4xØ14 / Ø75 | 105 | F04 | 3.470 |
| 25 | 1" | 40 | 25 | 28.5 | 68 | 160 | 149 | 160 | 41.4 | 88 | 18 | 4xØ14 / Ø85 | 115 | F04 | 4.330 |
| 32 | 1 1/4" | 40 | 32 | 37.2 | 78 | 180 | 160 | 190 | 48.2 | 104 | 18 | 4xØ18 / Ø100 | 140 | F05 | 6.880 |
| 40 | 1 1/2" | 40 | 38 | 43.1 | 88 | 200 | 165 | 190 | 56.2 | 117 | 18 | 4xØ18 / Ø110 | 150 | F05 | 8.080 |
| 50 | 2" | 40 | 50 | 54.5 | 102 | 230 | 180 | 230 | 71 | 148 | 20 | 4xØ18 / Ø125 | 165 | F07 | 13.890 |

法兰连接

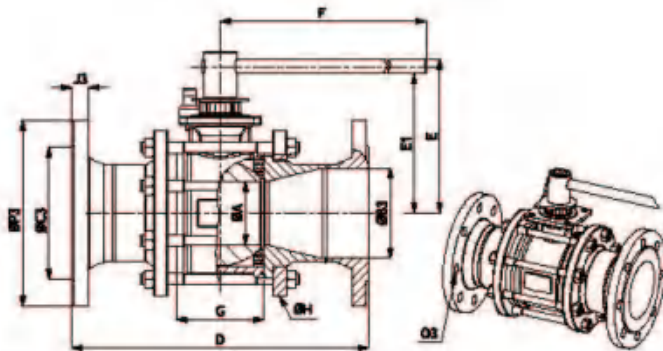
DN 80 到 DN 200

缩径

Flanged

Size 3" to 8"

Reduced bore



法兰连接

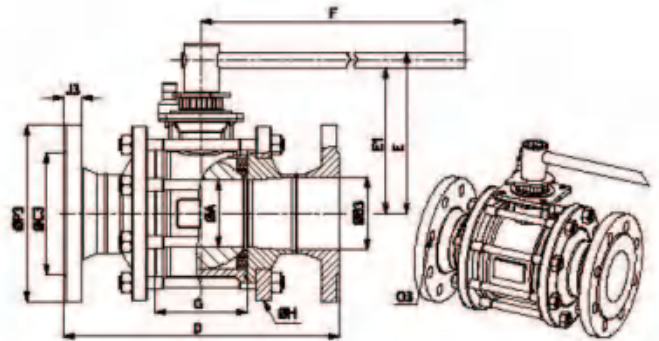
DN 65 到 DN 150

通径

Flanged

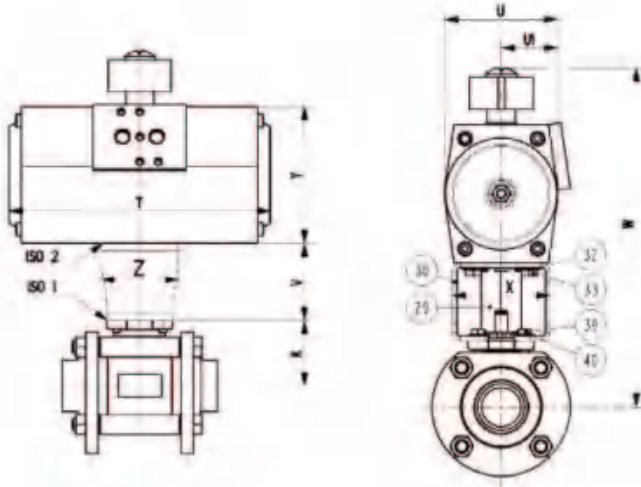
Size 2"1/2 to 6"

Full bore



| 尺寸 Size | PN | ØA | ØB | ØC3 | D | E | E1 | F | G | ØH | J3 | Ø3 | P3 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|-----------------------|-------|----|-----|-------|-----|-----|-----|-----|-----|-----|-----|----|---------------|-------------|-----------------------|---------|
| V - 缩径 / Reduced bore | | | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 82.5 | 138 | 310 | 171 | 153 | 370 | 84 | 174 | 24 | 8xØ18 / Ø160 | 200 | F07 | 22.920 |
| 100 | 4" | 16 | 76 | 107.1 | 162 | 350 | 182 | 165 | 440 | 104 | 197 | 24 | 8xØ22 / Ø190 | 235 | F10 | 39.520 |
| 125 | 5" | 16 | 100 | 131.7 | 188 | 400 | 204 | 184 | 505 | 130 | 236 | 22 | 8xØ18 / Ø210 | 250 | F10 | 48.720 |
| 150 | 6" | 16 | 125 | 159.3 | 212 | 480 | 248 | 221 | 710 | 155 | 288 | 22 | 8xØ22 / Ø240 | 285 | F12 | 79.450 |
| 200 | 8" | 16 | 150 | 207.3 | 268 | 600 | 270 | 243 | 710 | 183 | 324 | 24 | 12xØ22 / Ø295 | 340 | F12 | 120.810 |
| VI - 通径 / Full bore | | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 70.3 | 122 | 290 | 171 | 153 | 370 | 84 | 174 | 22 | 8xØ18 / Ø145 | 185 | F07 | 20.840 |
| 80 | 3" | 40 | 76 | 82.5 | 138 | 310 | 182 | 165 | 440 | 104 | 197 | 24 | 8xØ18 / Ø160 | 200 | F10 | 30.150 |
| 100 | 4" | 16 | 100 | 107.1 | 162 | 350 | 204 | 184 | 505 | 130 | 236 | 24 | 8xØ22 / Ø190 | 235 | F10 | 43.840 |
| 125 | 5" | 16 | 125 | 131.7 | 188 | 400 | 248 | 221 | 710 | 155 | 288 | 22 | 8xØ18 / Ø210 | 250 | F12 | 72.210 |
| 150 | 6" | 16 | 150 | 159.3 | 212 | 480 | 270 | 243 | 710 | 183 | 324 | 22 | 8xØ22 / Ø240 | 285 | F12 | 100.850 |

DN08到DN50 (Size 1/4" to 2")



| 编号 Item | 数量 Qty | 零件名称 Description | 材质 (H) Material (ASTM) |
|------------|-----------|---------------------------------|---------------------------|
| 29 | 1 | 连接器/Coupling | 1.4307 |
| 30 | 1 | 支架/Bracket | 1.4307 |
| 32 | 4 | 平垫圈(气缸侧)/Washer (actuator side) | 1.4301 |
| 33 | 4 | 螺钉(气缸侧)/Screw (actuator side) | 1.4301 |
| 39 | 4 | 螺钉(阀门侧)/Screw (valve side) | 1.4301 |
| 40 | 4 | 平垫圈(阀门侧)/Washer (valve side) | 1.4301 |

气动参数/Actuated components

PS4 单作用气动执行器型号 Spring Return type on PY4

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | T | U | H | V | W | X | Y | Z |
|-----------------|--------------------|----|--------|------------------------|-------|-----|----|------|------|-------|----|-----|----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | |
| 8-12 | 1/4"-3/8" | 15 | 1/2" | 27.5 F03 2MICA-045SR12 | F05 | 146 | 58 | 29 | 47 | 169.5 | 62 | 65 | 50 |
| 15 | 1/2" | 20 | 3/4" | 31 F03 2MICA-062SR12 | F05 | 146 | 59 | 29.5 | 47 | 182 | 62 | 74 | 50 |
| 20 | 3/4" | 25 | 1" | 37.9 F04 2MICA-062SR12 | F05 | 146 | 59 | 29.5 | 49.5 | 191.4 | 62 | 74 | 50 |
| 25 | 1" | 32 | 1 1/4" | 42 F04 2MICA-063SR12 | F07 | 168 | 72 | 36 | 49.5 | 209.5 | 62 | 88 | 50 |
| 32 | 1 1/4" | 40 | 1 1/2" | 54 F05 2MICA-063SR12 | F10 | 168 | 72 | 36 | 49.5 | 221.5 | 62 | 88 | 50 |
| 40 | 1 1/2" | 50 | 2" | 59 F05 2MICA-075SR12 | F10 | 184 | 83 | 41.5 | 49.5 | 238.5 | 62 | 100 | 50 |
| 50 | 2" | 65 | 2 1/2" | 73 F07 2MICA-083SR12 | F12 | 204 | 90 | 45 | 79.5 | 291.5 | 85 | 109 | 69 |

以上数据基于: 阀门上下游压差最大值 $\Delta P=7$ bar, 气源压力为 6 bar / Values given for service pressure at $P=40$ bar max and 6 bar air supply

PS4 双作用气动执行器型号 Double Acting type on PS4

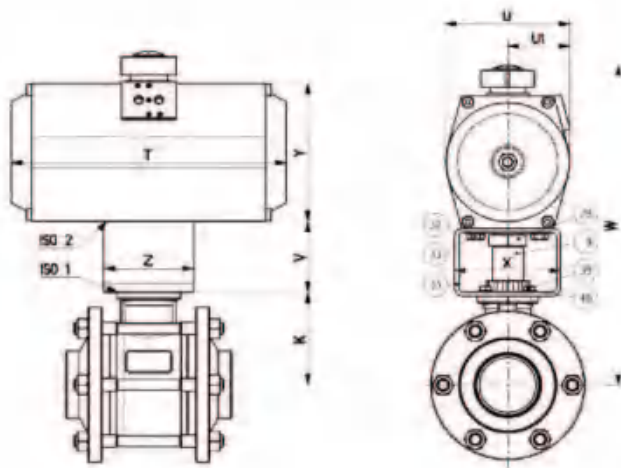
| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | T | U | H | V | W | X | Y | Z |
|-----------------|--------------------|----|--------|----------------------|-------|-----|----|------|------|-------|----|----|----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | |
| 8-12 | 1/4"-3/8" | 15 | 1/2" | 27.5 F03 2MICA-045DA | F05 | 146 | 58 | 29 | 47 | 169.5 | 62 | 65 | 50 |
| 15 | 1/2" | 20 | 3/4" | 31 F03 2MICA-045DA | F05 | 146 | 58 | 29 | 47 | 173 | 62 | 65 | 50 |
| 20 | 3/4" | 25 | 1" | 37.9 F04 2MICA-045DA | F05 | 146 | 58 | 29 | 49.5 | 182.4 | 62 | 65 | 50 |
| 25 | 1" | 32 | 1 1/4" | 42 F04 2MICA-045DA | F05 | 146 | 58 | 29 | 49.5 | 188.5 | 62 | 65 | 50 |
| 32 | 1 1/4" | 40 | 1 1/2" | 54 F05 2MICA-045DA | F05 | 146 | 58 | 29 | 49.5 | 198.5 | 62 | 65 | 50 |
| 40 | 1 1/2" | 50 | 2" | 59 F05 2MICA-045DA | F05 | 146 | 58 | 29 | 49.5 | 203.5 | 62 | 65 | 50 |
| 50 | 2" | 65 | 2 1/2" | 73 F07 2MICA-052DA | F05 | 146 | 59 | 29.5 | 79.5 | 256.5 | 85 | 87 | 69 |

以上数据基于: 阀门上下游压差最大值 $\Delta P=7$ bar, 气源压力为 6 bar / Values given for service pressure at $P=40$ bar max and 6 bar air supply

$\Delta P=7$ bar

| 尺寸 Size | 气源压力 Air supply pressure | 双作用 Double acting 型号/Code | 单作用 Spring return 型号/Code |
|-----------------|-----------------------------|---------------------------------|---------------------------------|
| 10(8-12) F03 | 6 | 2MICA-045DA KPN1410 0511 | 2MICA-045SR12 KPN1410 0511 |
| 15 F03 | 6 | 2MICA-045DA KPN1410 0511 | 2MICA-052SR12 KPN1410 0511 |
| 20 F04 | 6 | 2MICA-045DA KPN1420 0511 | 2MICA-052SR12 KPN1420 0511 |
| 25 F04 | 6 | 2MICA-045DA KPN1420 0511 | 2MICA-063SR12 KPN1420 0514 |
| 32 F05 | 6 | 2MICA-045DA KPN1432 0511 | 2MICA-063SR12 KPN1432 0514 |
| 40 F05 | 6 | 2MICA-045DA KPN1432 0511 | 2MICA-075SR12 KPN1432 0514 |
| 50 F07 | 6 | 2MICA-052DA KPN1450 0511 | 2MICA-083SR12 KPN1450 0717 |

DN65到DN200(Size 2"1/2 to 8")



| 编号 Item | 数量 Qty | 部件名称 Description | 材质 (EN) Material (ASTM) |
|------------|-----------|---------------------------------|----------------------------|
| 19 | 1 | 手柄连接器/Handle adaptor | 1.4305 |
| 29 | 1 | 连接杆/Coupling | 1.4307 |
| 30 | 1 | 支架/Bracket | 1.4307 |
| 32 | 4 | 平垫圈(气缸侧)/Washer (actuator side) | 1.4301 |
| 33 | 4 | 螺钉(气缸侧)/Screw (actuator side) | 1.4301 |
| 39 | 4 | 螺钉(阀门侧)/Screw (valve side) | 1.4301 |
| 40 | 4 | 平垫圈(阀门侧)/Washer (valve side) | 1.4301 |

气动参数/Actuated components

PS4 单作用气动执行器型号 Spring Return type on PS4

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | T | U | U1 | V | W | X | Y | Z | | |
|-----------------|--------------------|-----|-------|-------------------|-------|---------------|-----|-----|-----|-----|------|-------|-----|-------|-----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | 104 | F07 | 2MICA-125SR12 | F10 | 298 | 140 | 70 | 79.5 | 368.5 | 120 | 155 | 105 |
| 80 | 3" | 100 | 4" | 114 | F10 | 2MICA-140SR12 | F12 | 390 | 152 | 76 | 79.5 | 395 | 136 | 171.5 | 118 |
| 100 | 4" | 125 | 5" | 133 | F10 | 2MICA-140SR12 | F12 | 390 | 152 | 76 | 79.5 | 414 | 136 | 171.5 | 118 |
| 125 | 5" | 150 | 6" | 161 | F12 | 2MICA-140SR12 | F12 | 390 | 152 | 76 | 99.5 | 462 | 144 | 171.5 | 118 |
| 150 | 6" | 200 | 8" | 180 | F12 | 2MICA-210SR12 | F14 | 532 | 226 | 113 | 99.5 | 564.5 | 158 | 255 | 140 |

以上数据基于：阀门上下游压差最大值 $\Delta P=7$ bar，气源压力为 6 bar / Values given for service pressure at: $P=7$ bar max and 6 bar air supply

PS4 双作用气动执行器型号 Double Acting type on PS4

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | T | U | U1 | V | W | X | Y | Z | | |
|-----------------|--------------------|-----|-------|-------------------|-------|-------------|-----|-----|-----|------|------|-------|-----|-------|-----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | 104 | F07 | 2MICA-083DA | F07 | 204 | 90 | 45 | 79.5 | 322.5 | 85 | 109 | 69 |
| 80 | 3" | 100 | 4" | 114 | F10 | 2MICA-092DA | F07 | 260 | 104 | 52 | 79.5 | 343.5 | 85 | 120 | 69 |
| 100 | 4" | 125 | 5" | 133 | F10 | 2MICA-105DA | F10 | 268 | 115 | 57.5 | 79.5 | 375.5 | 120 | 133 | 95 |
| 125 | 5" | 150 | 6" | 161 | F12 | 2MICA-105DA | F10 | 268 | 115 | 57.5 | 99.5 | 423.5 | 136 | 133 | 118 |
| 150 | 6" | 200 | 8" | 180 | F12 | 2MICA-140DA | F12 | 390 | 152 | 76 | 99.5 | 481 | 144 | 171.5 | 118 |

以上数据基于：阀门上下游压差最大值 $\Delta P=7$ bar，气源压力为 6 bar / Values given for service pressure at: $P=7$ bar max and 6 bar air supply

$\Delta P=7$ bar

| 尺寸 Size | 气源压力 Air supply pressure | 双作用/ Double acting 编号/Code | 单作用/ Spring return 编号/Code |
|------------|-----------------------------|----------------------------------|----------------------------------|
| 65 F07 | 6 | 2MICA-083DA KPNIZP065 0717 | 2MICA-125SR12 KPNIZP065 1022 |
| 80 F10 | 6 | 2MICA-092DA KPNIZP080 0717 | 2MICA-140SR12 KPNIZP080 1227 |
| 100 F10 | 6 | 2MICA-105DA KPNIZP100 1022 | 2MICA-140SR12 KPNIZP100 1227 |
| 125 F12 | 6 | 2MICA-105DA KPNIZP125 1022 | 2MICA-140SR12 KPNIZP125 1227 |
| 150 F12 | 6 | 2MICA-140DA KPNIZP125 1227 | 2MICA-210SR12 KPNIZP125 1436 |

技术参数

PY4: TF 3215 阀座 (聚四氟乙烯+碳)

温度范围: -200°C / +200°C

PY4 型没有延长阀杆, 应用于阀门外部不会凝冰的情况。

316L, 904L, 304L, 合金材质

标准型

在阀球上与阀杆连接处钻孔, 用于阀门腔体泄压。

上游泄压孔用于阀门关闭位置时阀腔泄压。

认证

PED 97 / 23 / EC

TA-Luft (fugitive emissions)

AD 2000 Merkblatt

可选项

ATEX 94 / 9 / EC

遵照 2010 / 35 / UE TPED 认证打上 p 标识

ADR § 1.8.7.6 认证

Technical data

PY4 : TF 3215 seats (PTFE + Carbon).

Temperature range: -200°C / +200°C

PY4: Version without extension for applications without risk of freezing.

316L, 904L, 304L, Alloy version.

Standard version:

Ball drilling in the stem mark for cavity relief in the open position. Upstream vent hole for cavity relief in the closed position.

Approvals:

PED 97/23/CE

TA-Luft (fugitive emissions)

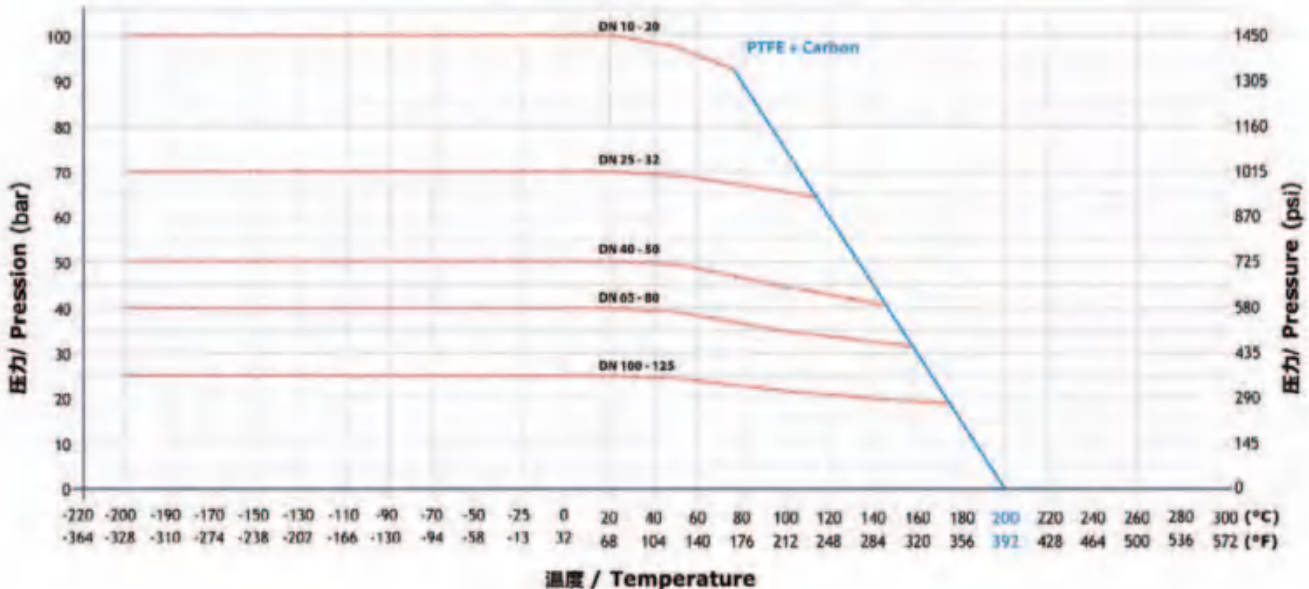
AD2000 Merkblatt

Options:

ATEX 94/9/CE

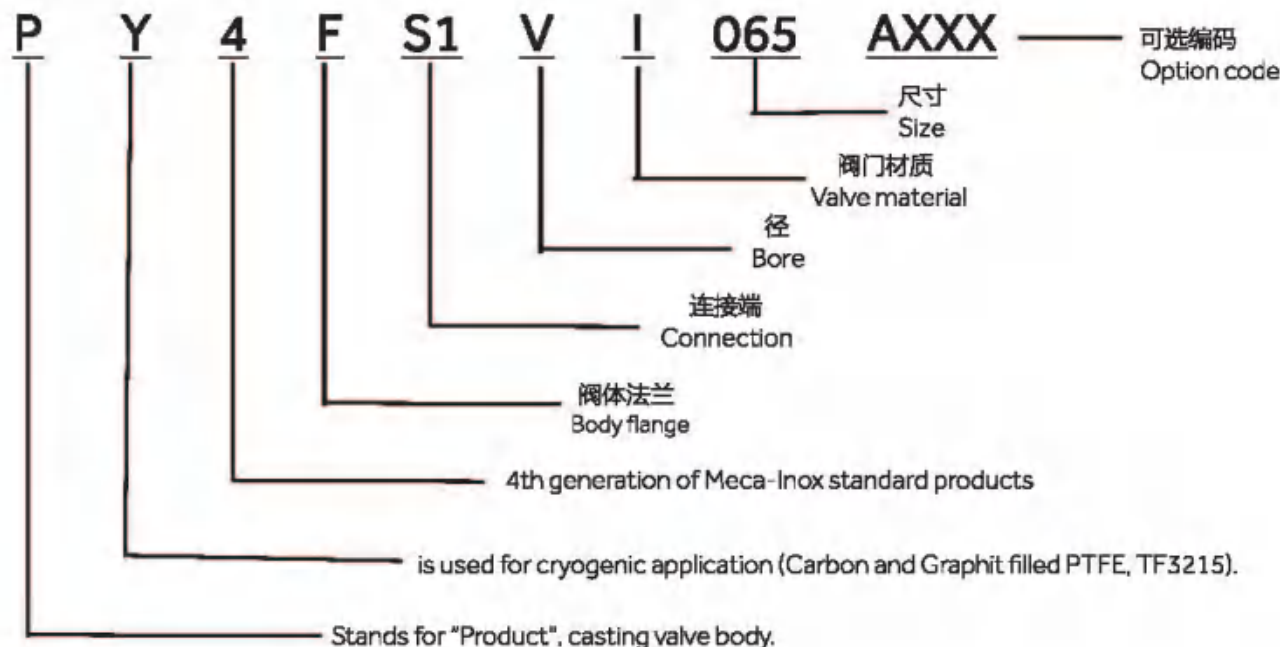
π marking according to 2010/35/UE TPED:
certification ADR §1.8.7.6

压力 / 温度图 Pressure/Temperature diagrams



--- 阀门正常操作的最大压差
 — 阀门正常操作的最大压差
 所以数据基于阀门的口径尺寸

--- mechanical strength of body
 — mechanical strength of seats
 All values are given for full bore size.



编码 | CODIFICATION

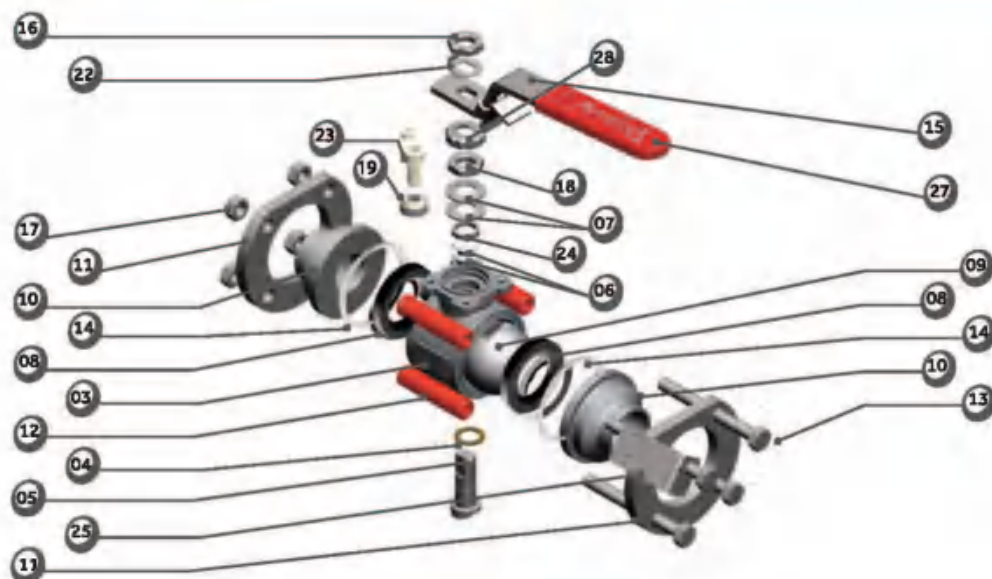
| 阀座 Seat | 阀体法兰 Body flange | 连接端 Connection | 径 Bore | 尺寸 Size | 材质 Material | 操作方式 Operation |
|------------|----------------------|------------------------------------|--------------------------|--------------------|----------------------------------|-------------------------------|
| TFM3215 | 活套法兰形式 Loose ends | BW 对焊 Butt Welding | N 通径 Full bore | DN10 I DN100 | 316L | A 手动操作 Manual operation |
| | | SW 承插焊 Socket Welding | V 缩径 Reduced bore | | 双相不锈钢 Duplex 1.4452 | L 气动/电动 Manual/Electric |
| | | TB NPT螺纹 NPT threaded | T 全通径 True bore | | 超级双相不锈钢 Super Duplex 1.4410 | O 光杆 Bare stem |
| | | TG BSP螺纹 BSP threaded | S 反径 Inverted bore | | 不锈钢 904L Stainless steel 904L | |
| | | OR 轨道自动焊 Orbital welding | | | 哈氏合金 C22 Hastelloy C22 | |
| | | CL 卡套接头 Compression fittings | | | | |
| | | DB 法兰连接 Flange ends | | | | |
| | | RF | | | | |
| | | 可定制 Customized | | | 可定制 Customized | |

注释:
关于可选编码XXX:
- 阀球上游泄压孔 -PG;
- 防火-SF;
- 附件(限位开关/电磁阀等)...

Remark:
About option code XXX:
- Ball upstream vent hole -PG;
- Fire safe-SF;
- Accessories (limit switch/solenoid valve, etc.)

DN 08 到 DN 50

Size 1/4" to 2"



PY4

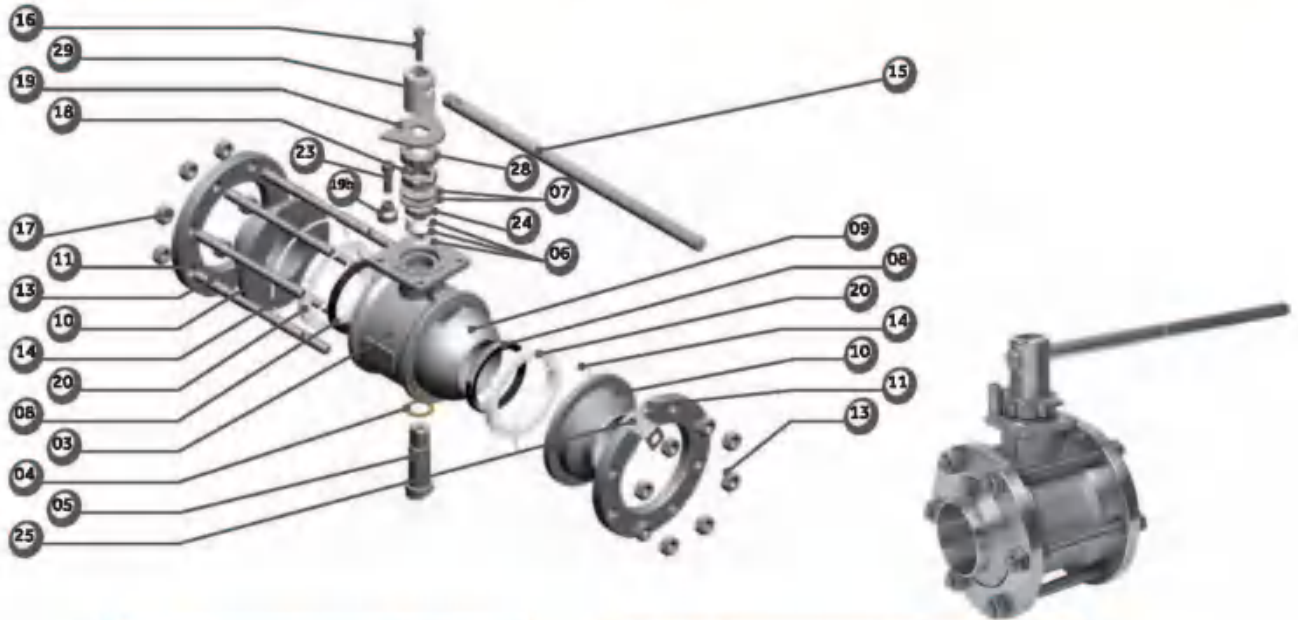
| 编号 | 数量 | 描述 | 材质 (EN) 不锈钢 |
|------|----|--|----------------------|
| 03 | 1 | 阀体 | 1.4409 |
| 1 | 1 | 阀杆密封 | 20% PEEK PTFE |
| 05 | 1 | 阀杆 | 1.4404 |
| 06 | 1 | 填料 填料(防火) | 33%碳+2%石墨 PTFE 石墨 |
| 07 | 2 | 弹簧垫片 | 1.4310 |
| 08 | 2 | 阀座 | TF3215 |
| 09* | 1 | 阀球 | 1.4409 |
| 10 | 2 | 自由连接端(DN10到25) 自由连接端(DN32到50) 固定连接端 法兰连接端 | 1.4404 |
| 11 | 2 | 阀体法兰 | 1.4307 |
| 12 | 4 | 套管 | 红色 PTFE |
| 13 | 4 | 螺栓 DN 08 到 DN 40 双头螺栓 DN 50 | 1.4301 1.4301 |
| 14 | 2 | 阀体密封 阀体密封 (可选项: 防火) | PTFE 14404 + 石墨 |
| 15 | 1 | 标准手柄 手柄可选项 | 1.1181 参见操作可选项 |
| 16 | 1 | 手柄紧固螺母 | 1.4404 |
| 16b | 1 | 调整螺栓 DN 10 | 1.4301 |
| 紧固螺母 | | | |
| 17 | 4 | DN 08 到 DN 40 | 1.4301 |
| 8 | 8 | DN 50 | 1.4301 |
| 18 | 1 | 压盖螺母 | 1.4404 |
| 19 | 1 | 止动栓检测 | 1.4307 |
| 22 | 1 | 止动片 | 1.4307 |
| 23 | 1 | 止动栓 | 1.4301 |
| 24 | 1 | 填料压盖 | 1.4404 |
| 25 | 1 | 商标 (可选项) | 1.4307 |
| 27 | 1 | 带颜色的塑料手柄套 (可选项) | PVC |
| 28 | 1 | 螺母止动片 | 1.4307 |

| Item | Qty | Description | Material (ASTM) S.steel |
|-----------|-----|--|-----------------------------------|
| 03 | 1 | Body | CF3M (316L) |
| 04 | 1 | Stem thrust seal | 20% PEEK PTFE |
| 05 | 1 | Stem | 316L |
| 06 | 1 | Gland packing Gland packing (Fire Safe) | 33%C+2%Gr PTFE Graphite |
| 07 | 2 | Spring washers | 301 |
| 08 | 2 | Seats | TF3215 |
| 09* | 1 | Ball | CF3M (316L) |
| 10 | 2 | Loose ends (DN10 to 25) Loose ends (DN32 to 50) Fixed ends Flanged ends | 316L |
| 11 | 2 | Body flange | 304L |
| 12 | 4 | Distance piece | Red PTFE |
| 13 | 4 | Screw Size 1/4" to 1 1/2" Stud Size 2" | 304 304 |
| 14 | 2 | Body seal Body seal (option: Fire Safe) | PTFE 316L + Graphite |
| 15 | 1 | Handle standard Handle option | 1035 See Options for operation |
| 16 | 1 | Lever nut | 316L |
| 16b | 1 | Lever screw DN 10 | 304 |
| Nut screw | | | |
| 17 | 4 | Size 1/4" to 1 1/2" | 304 |
| 8 | 8 | Size 2" | 304 |
| 18 | 1 | Nut gland | 316L |
| 19 | 1 | Stop ring | 304L |
| 22 | 1 | Nut stop | 304L |
| 23 | 1 | Screw stop | 304 |
| 24 | 1 | Gland | 316L |
| 25 | 1 | Identification label (option) | 304L |
| 27 | 1 | Color plastic cover (option) | PVC |
| 28 | 1 | Stop nut gland | 304L |

* 标准钻孔阀球
* Drilled ball as standard

DN 65到DN 150

Size 2"1/2 to 6"



| 序号 | 数量 | 描述 | 材质 (CN) | |
|-----|----|----------------|----------------|--------------|
| | | | 标准 | 不锈钢 |
| 03 | 1 | 阀体 | | 1.4409 |
| 04 | 1 | 阀杆密封 | | 20%PEEK PTFE |
| 05 | 1 | 阀杆 | | 1.4404 |
| 06 | 1 | 填料 | | PTFE |
| 07 | 2 | 弹簧垫片 | | 1.4310 |
| 08 | 2 | 阀座 | | TF3215 |
| 09* | 1 | 阀球 | | 1.4409 |
| 10 | 2 | 自由连接端 (DN 65) | | 1.4404 |
| | | 自由连接端 (DN 125) | | |
| | | 法兰连接端 | | |
| 11 | 2 | 阀体法兰 | | 1.4307 |
| 13 | 2 | 双头螺栓 | | 1.4307 |
| | | 12 | DN 65 | |
| | | 16 | DN 80 到 DN 125 | |
| | | 20 | DN 150 | |
| 14 | 2 | 阀体密封 | | PTFE |
| 15 | 1 | 标准手柄 | | 1.0037 镀铬处理 |
| | | 手柄可选项 | | 参见操作可选项 |
| 16 | 1 | 手柄螺栓 | | 1.4301 |
| 17 | 2 | 紧固螺母 | | 1.4307 |
| | | 6 | DN 65 | |
| | | 8 | DN 80 到 DN 125 | |
| | 10 | DN 150 | | |
| 18 | 1 | 压盖螺母 | | 1.4404 |
| 19 | 1 | 止动片 | | 1.4307 |
| 19b | 1 | 锁止塞 | | 1.4307 |
| 20 | 2 | 阀座支撑 | | 1.4409 |
| 23 | 1 | 止动栓 | | 1.4301 |
| 24 | 1 | 填料压盖 | | 1.4404 |
| 25 | 1 | 商标 | | 1.4307 |
| 28 | 1 | 螺母止动片 | | 1.4307 |
| 29 | 1 | 标准手柄连接套 | | 1.0037 镀铬处理 |
| | | 手柄连接套 (可选项) | | 1.4305 |

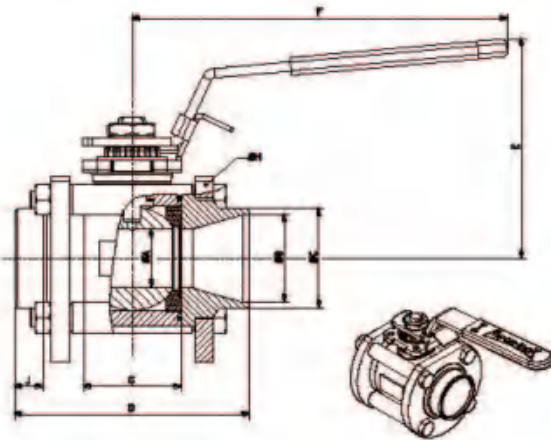
| Item | Qty | Description | Material(ASTM) | |
|------|-----|-------------------------|----------------|---------------------------|
| | | | S.steel | |
| 03 | 1 | Body | | CF3M (316L) |
| 04 | 1 | Stem thrust seal | | 20%PEEK PTFE |
| 05 | 1 | Stem | | 316L |
| 06 | 1 | Gland packing | | PTFE |
| 07 | 2 | Spring washers | | 304 |
| 08 | 2 | Seat | | TF3215 |
| 09* | 1 | Ball | | CF3M (316L) |
| 10 | 2 | Loose ends (Size 2"1/2) | | 316L |
| | | Loose ends (Size 5") | | |
| | | Flanged ends | | |
| 11 | 2 | Body flange | | 304L |
| 13 | 2 | Stud | | 304L |
| | | 12 | Size 2"1/2 | |
| | | 16 | Size 3" to 5" | |
| | | 20 | Size 6" | |
| 14 | 2 | Body seal | | PTFE |
| 15 | 1 | Handle standard | | A283 Gr C chrome plating |
| | | Handle option | | See Options for operation |
| 16 | 1 | Handle screw | | 304 |
| 17 | 2 | Nut screw | | 304L |
| | | 6 | Size 2"1/2 | |
| | | 8 | Size 3" to 5" | |
| | 10 | Size 6" | | |
| 18 | 1 | Nut gland | | 316L |
| 19 | 1 | Stop plate | | 304L |
| 19b | 1 | Locking plug | | 304L |
| 20 | 2 | Seat holder | | 316L |
| 23 | 1 | Stop screw | | 304 |
| 24 | 1 | Gland | | 316L |
| 25 | 1 | Identification label | | 304L |
| 28 | 1 | Stop nut gland | | 304L |
| 29 | 1 | Handle adaptor | | A283 Gr C chrome plating |
| | | Handle adaptor option | | 303 |

对焊

DN 15 到 DN 65
缩径
ISO 管道标准

Butt Weld

Size 1/2" to 2 1/2"
Reduced bore
ISO pipe

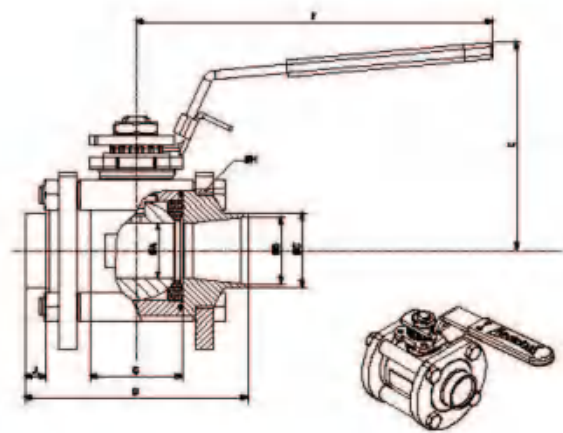


对焊

DN 08 到 DN 50
通径
ISO 管道标准

Butt Weld

Size 1/4" to 2"
Full bore
ISO pipe



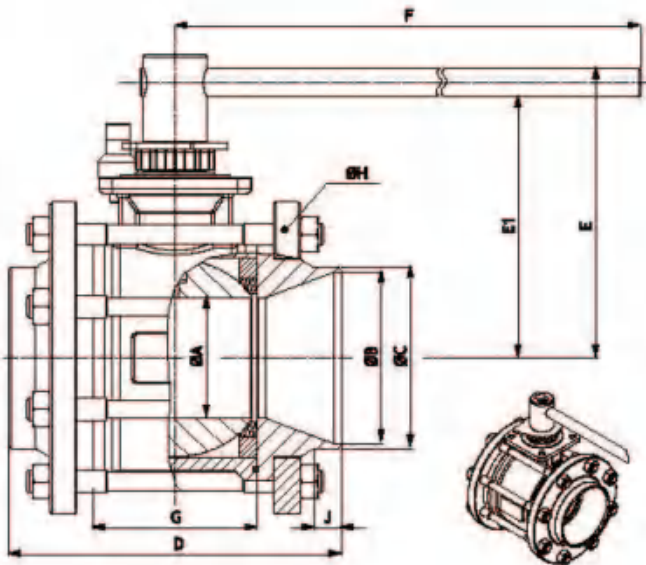
| 尺寸 Size | PN | ØA | ØB | ØC | D | E | F | G | ØH | J | ISO 5211 | 重量(公斤) Weight (Kg) | |
|-----------------------|--------|-----|------|------|------|-----|-----|-----|------|-----|-------------|-----------------------|-------|
| V · 缩径 / Reduced bore | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 17.3 | 21.3 | 65 | 70 | 120 | 20.4 | 56 | 8.5 | F03 | 0.650 |
| 20 | 3/4" | 100 | 14 | 22.9 | 26.9 | 70 | 73 | 120 | 24.4 | 63 | 8.8 | F03 | 0.800 |
| 25 | 1" | 100 | 19 | 29.7 | 33.7 | 85 | 91 | 160 | 31.6 | 80 | 9.1 | F04 | 1.610 |
| 32 | 1 1/4" | 70 | 25 | 37.2 | 42.4 | 100 | 95 | 160 | 41.4 | 88 | 11.9 | F04 | 2.100 |
| 40 | 1 1/2" | 70 | 32 | 43.1 | 48.3 | 110 | 111 | 190 | 48.2 | 104 | 10.9 | F05 | 3.120 |
| 50 | 2" | 50 | 38 | 54.5 | 60.3 | 125 | 116 | 190 | 56.2 | 117 | 14.1 | F05 | 4.300 |
| 65 | 2 1/2" | 50 | 50 | 70.3 | 76.1 | 150 | 137 | 230 | 71 | 148 | 13.2 | F07 | 8.590 |
| N · 通径 / Full bore | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 9.5 | 13.5 | 65 | 70 | 120 | 20.4 | 56 | 6.4 | F03 | 0.640 |
| 12 | 3/8" | 100 | 11.1 | 13.2 | 17.2 | 65 | 70 | 120 | 20.4 | 56 | 7.3 | F03 | 0.640 |
| 15 | 1/2" | 100 | 14 | 17.3 | 21.3 | 70 | 73 | 120 | 24.4 | 63 | 7.3 | F03 | 0.800 |
| 20 | 3/4" | 100 | 19 | 22.9 | 26.9 | 85 | 91 | 160 | 31.6 | 80 | 7.2 | F04 | 1.610 |
| 25 | 1" | 70 | 25 | 29.7 | 33.7 | 100 | 95 | 160 | 41.4 | 88 | 9.4 | F04 | 2.080 |
| 32 | 1 1/4" | 70 | 32 | 37.2 | 42.4 | 110 | 111 | 190 | 48.2 | 104 | 9.2 | F05 | 3.310 |
| 40 | 1 1/2" | 50 | 38 | 43.1 | 48.3 | 125 | 116 | 190 | 56.2 | 117 | 10.7 | F05 | 4.270 |
| 50 | 2" | 50 | 50 | 54.5 | 60.3 | 150 | 137 | 230 | 71 | 148 | 8.6 | F07 | 8.690 |

对焊

DN 80 到 DN 150
缩径
ISO 管道标准

Butt Weld

Size 3" to 6"
Reduced bore
ISO pipe

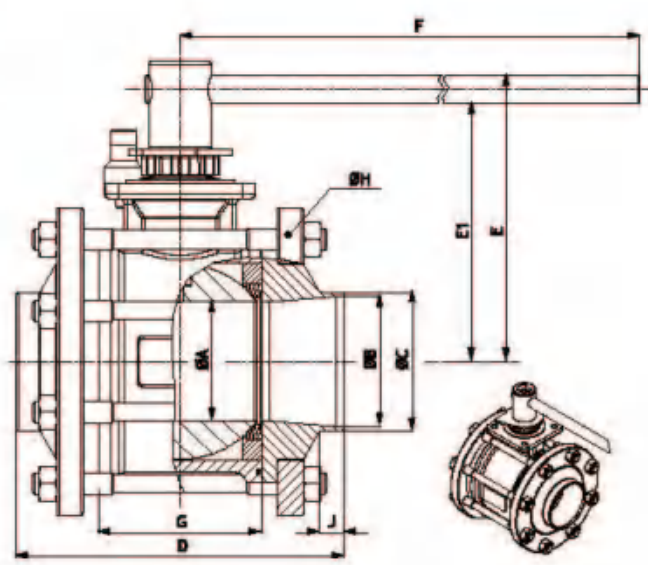


对焊

DN 65 到 DN 100
通径
ISO 管道标准

Butt Weld

Size 2 1/2" to 6"
Full bore
ISO pipe



| 尺寸 Size | PN | ØA | ØB | ØC | D | E | E1 | F | G | ØH | J | ISO 5211 | 重量(公斤) Weight (Kg) | |
|------------------------------|----|----|-----|-------|-------|-----|-----|-----|-----|-----|-----|-------------|-----------------------|--------|
| V - 缩径 / Reduced bore | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 83.1 | 88.9 | 180 | 171 | 153 | 370 | 84 | 174 | 12.8 | F07 | 14.840 |
| 100 | 4" | 40 | 76 | 107.9 | 114.3 | 210 | 182 | 165 | 440 | 104 | 197 | 16.4 | F10 | 22.310 |
| 125 | 5" | 25 | 100 | 133.7 | 139.7 | 230 | 204 | 184 | 505 | 130 | 236 | 12.9 | F10 | 33.980 |
| 150 | 6" | 25 | 100 | 133.7 | 139.7 | 230 | 204 | 184 | 505 | 130 | 236 | 12.9 | F10 | 33.980 |

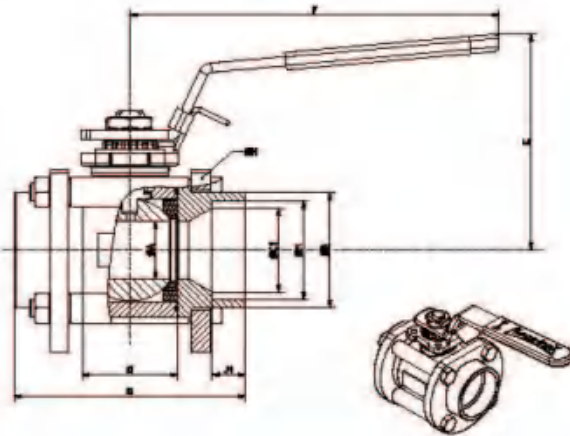
| N - 通径 / Full bore | | | | | | | | | | | | | | |
|---------------------------|--------|----|-----|-------|-------|-----|-----|-----|-----|-----|-----|------|-----|--------|
| 65 | 2 1/2" | 40 | 64 | 70.3 | 76.1 | 180 | 171 | 153 | 370 | 84 | 174 | 14.4 | F07 | 14.800 |
| 80 | 3" | 40 | 76 | 83.1 | 88.9 | 210 | 182 | 165 | 440 | 104 | 197 | 14.9 | F10 | 22.510 |
| 100 | 4" | 25 | 100 | 107.9 | 114.3 | 230 | 204 | 184 | 505 | 130 | 236 | 12.7 | F10 | 34.360 |

承插焊

DN 15 到 DN 65
 通径
 ISO 管道标准

Socket Weld

Size 1/2" to 2 1/2"
 Full bore
 ISO pipe

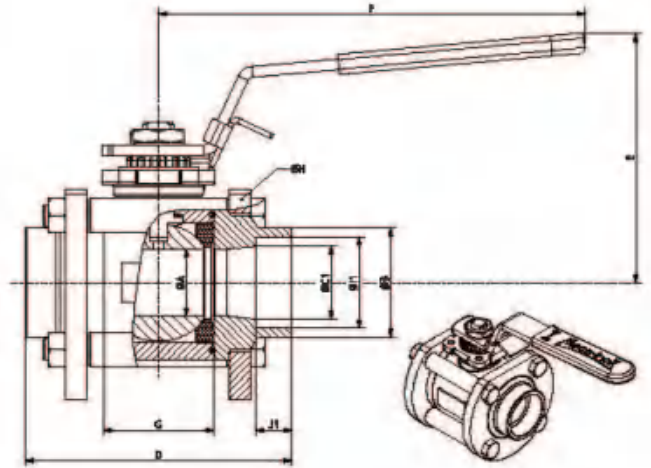


承插焊

DN 08 到 DN 50
 通径
 ISO 管道标准

Socket Weld

Size 1/4" to 2"
 Full bore
 ISO pipe



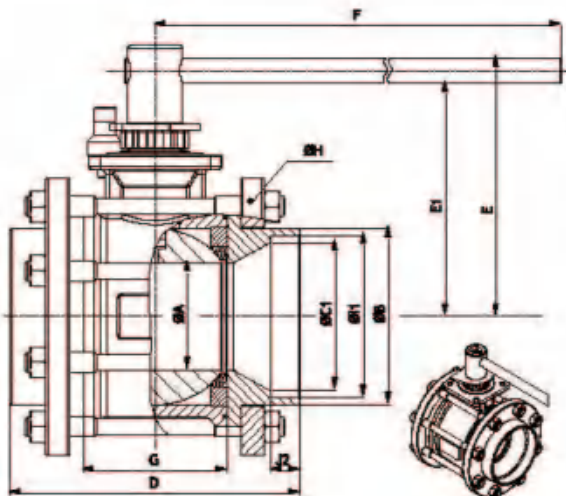
| 尺寸 Size | PN | ØA | ØB | ØC1 | D | E | F | G | ØH | ØI1 | J1 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|------------------------------|--------|-----|------|------|------|-----|-----|-----|------|-----|------|-------------|-----------------------|-------|
| V · 缩径 / Reduced bore | | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 27.0 | 16.1 | 65 | 70 | 120 | 20.4 | 56 | 21.9 | 10.5 | F03 | 0.650 |
| 20 | 3/4" | 100 | 14 | 33.0 | 21.7 | 70 | 73 | 120 | 24.4 | 63 | 27.3 | 13.5 | F03 | 0.810 |
| 25 | 1" | 100 | 19 | 42.0 | 27.3 | 85 | 91 | 160 | 31.6 | 80 | 34.0 | 13.5 | F04 | 1.610 |
| 32 | 1 1/4" | 70 | 25 | 50.0 | 36.0 | 100 | 95 | 160 | 41.4 | 88 | 42.8 | 14.5 | F04 | 2.080 |
| 40 | 1 1/2" | 70 | 32 | 56.0 | 41.9 | 110 | 111 | 190 | 48.2 | 104 | 48.9 | 16.0 | F05 | 3.270 |
| 50 | 2" | 50 | 38 | 69.0 | 53.1 | 125 | 116 | 190 | 56.2 | 117 | 61.3 | 17.5 | F05 | 4.220 |
| 65 | 2 1/2" | 50 | 50 | 85.0 | 68.9 | 150 | 137 | 230 | 71 | 148 | 77.1 | 19.0 | F07 | 8.380 |
| N · 通径 / Full bore | | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 19.6 | 11.1 | 65 | 70 | 120 | 20.4 | 56 | 14.3 | 10.5 | F03 | 0.650 |
| 12 | 3/8" | 100 | 11.1 | 24.0 | 12.6 | 65 | 70 | 120 | 20.4 | 56 | 17.8 | 10.5 | F03 | 0.650 |
| 15 | 1/2" | 100 | 14 | 29.0 | 16.1 | 70 | 73 | 120 | 24.4 | 63 | 21.9 | 10.5 | F03 | 0.810 |
| 20 | 3/4" | 100 | 19 | 34.3 | 21.7 | 85 | 91 | 160 | 31.6 | 80 | 27.3 | 13.5 | F04 | 1.610 |
| 25 | 1" | 70 | 25 | 41.0 | 27.3 | 100 | 95 | 160 | 41.4 | 88 | 34.0 | 13.5 | F04 | 2.110 |
| 32 | 1 1/4" | 70 | 32 | 49.8 | 36.0 | 110 | 111 | 190 | 48.2 | 104 | 42.8 | 14.5 | F05 | 3.320 |
| 40 | 1 1/2" | 50 | 38 | 55.9 | 41.9 | 125 | 116 | 190 | 56.2 | 117 | 48.9 | 16.0 | F05 | 4.270 |
| 50 | 2" | 50 | 50 | 69.2 | 53.1 | 150 | 137 | 230 | 71 | 148 | 61.3 | 17.5 | F07 | 8.640 |

承插焊

DN 80 到 DN 150
缩径
ISO 管道标准

Socket Weld

Size 3" to 6"
Reduced bore
ISO pipe

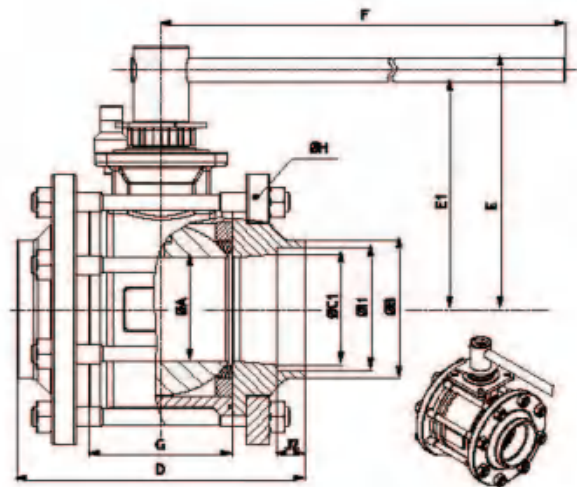


承插焊

DN 65 到 DN 100
通径
ISO 管道标准

Socket Weld

Size 2 1/2" to 4"
Full bore
ISO pipe



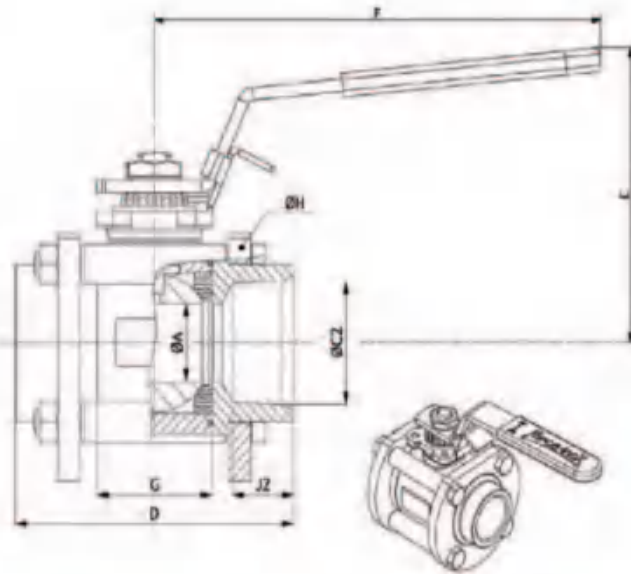
| 尺寸 Size | PN | ØA | ØB | ØC1 | D | E | E1 | F | G | ØH | ØH1 | J2 | ISO 5211 | 重量(公斤) Weight (Kgf) | |
|------------------------------|--------|----|-----|-------|-------|-----|-----|-----|-----|-----|-----|-------|-------------|------------------------|--------|
| V + 缩径 / Reduced bore | | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 101 | 81 | 180 | 171 | 153 | 370 | 84 | 174 | 89.9 | 21 | F07 | 14.700 |
| 100 | 4" | 40 | 76 | 125 | 105.3 | 210 | 182 | 165 | 440 | 104 | 197 | 115.5 | 21 | F10 | 22.010 |
| 125 | 5" | 25 | 100 | 148.5 | 135 | 230 | 204 | 184 | 505 | 130 | 236 | 141.3 | 24 | F10 | 32.820 |
| 150 | 6" | 25 | 100 | 148.5 | 135 | 230 | 204 | 184 | 505 | 130 | 236 | 141.3 | 24 | F10 | 32.820 |
| V + 通径 / Full bore | | | | | | | | | | | | | | | |
| 65 | 2 1/2" | 40 | 64 | 87 | 69 | 180 | 171 | 153 | 370 | 84 | 174 | 77.6 | 19 | F07 | 14.890 |
| 80 | 3" | 40 | 76 | 101 | 81 | 210 | 182 | 165 | 440 | 104 | 197 | 89.9 | 21 | F10 | 22.750 |
| 100 | 4" | 25 | 100 | 127.5 | 105.3 | 230 | 204 | 184 | 505 | 130 | 236 | 115.5 | 21 | F10 | 34.35 |

BSP (TG) & NPT (TB) 螺纹连接

DN 15 到 DN 65
缩径

BSP (TG) & NPT (TB) thread

Size 1/2" to 2 1/2"
Reduced bore

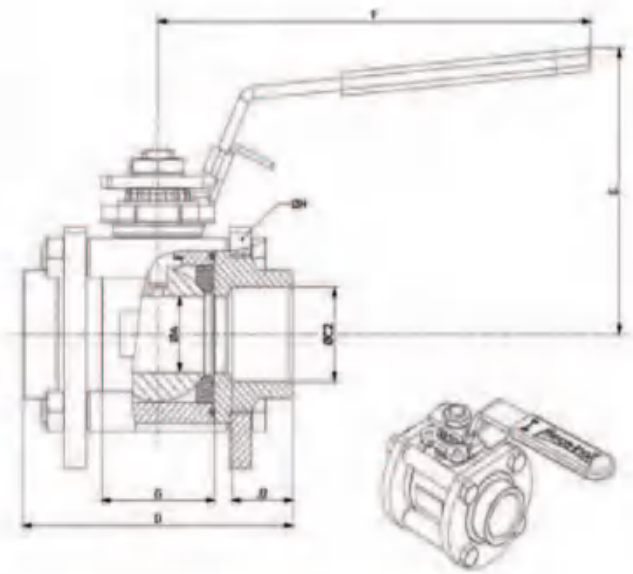


BSP (TG) & NPT (TB) 螺纹连接

DN 08 到 DN 50
通径

BSP (TG) & NPT (TB) thread

Size 1/4" to 2"
Full bore



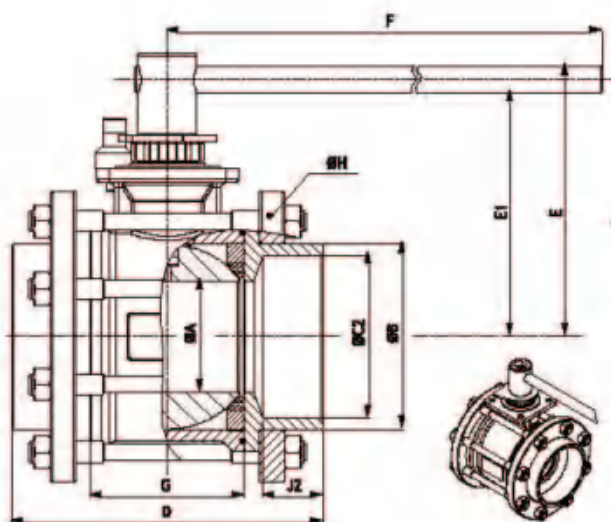
| 尺寸 Size | PN | Ø A | Ø C2 | | D | E | F | G | Ø H | J2 | ISO 5211 | 重量(公斤) Weight (kg) | |
|----------------------------|--------|-----|--------------|------------|--------|-----|-----|-----|------|-----|-------------|-----------------------|-------|
| | | | GAZ BSP T | NPT NPT | | | | | | | | | |
| V 缩径 / Reduced bore | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 1/2" | 1/2" | 65 | 70 | 120 | 20.4 | 56 | 16 | F03 | 0.640 |
| 20 | 3/4" | 100 | 14 | 3/4" | 3/4" | 70 | 73 | 120 | 24.4 | 63 | 16 | F03 | 0.800 |
| 25 | 1" | 100 | 19 | 1" | 1" | 85 | 91 | 160 | 31.8 | 80 | 20 | F04 | 1.600 |
| 32 | 1 1/4" | 70 | 25 | 1 1/4" | 1 1/4" | 100 | 95 | 160 | 41.4 | 88 | 22 | F04 | 2.050 |
| 40 | 1 1/2" | 70 | 32 | 1 1/2" | 1 1/2" | 110 | 111 | 190 | 48.2 | 104 | 22 | F05 | 3.270 |
| 50 | 2" | 50 | 38 | 2" | 2" | 125 | 116 | 190 | 56.2 | 117 | 25 | F05 | 4.160 |
| 65 | 2 1/2" | 50 | 50 | 2 1/2" | 2 1/2" | 150 | 137 | 230 | 71 | 148 | 30 | F07 | 7.730 |
| N 通径 / Full bore | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 1/4" | 1/4" | 65 | 70 | 120 | 20.4 | 56 | 12 | F03 | 0.700 |
| 12 | 3/8" | 100 | 11.1 | 3/8" | 3/8" | 65 | 70 | 120 | 20.4 | 56 | 12 | F03 | 0.680 |
| 15 | 1/2" | 100 | 14 | 1/2" | 1/2" | 70 | 73 | 120 | 24.4 | 63 | 16 | F03 | 0.980 |
| 20 | 3/4" | 100 | 19 | 3/4" | 3/4" | 85 | 91 | 160 | 31.8 | 80 | 16 | F04 | 1.690 |
| 25 | 1" | 70 | 25 | 1" | 1" | 100 | 95 | 160 | 41.4 | 88 | 20 | F04 | 2.120 |
| 32 | 1 1/4" | 70 | 32 | 1 1/4" | 1 1/4" | 110 | 111 | 190 | 48.2 | 104 | 22 | F05 | 3.320 |
| 40 | 1 1/2" | 50 | 38 | 1 1/2" | 1 1/2" | 125 | 116 | 190 | 56.2 | 117 | 22 | F05 | 4.380 |
| 50 | 2" | 50 | 50 | 2" | 2" | 150 | 137 | 230 | 71 | 148 | 25 | F07 | 8.840 |

BSP (TG) & NPT (TB) 螺纹连接

DN 80 到 DN 100
缩径

BSP (TG) & NPT (TB) thread

Size 3" to 4"
Reduced bore

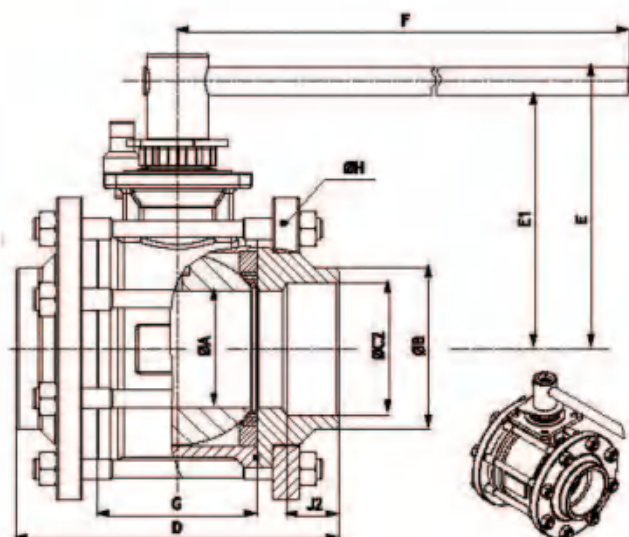


BSP (TG) & NPT (TB) 螺纹连接

DN 65 到 DN 100
通径

BSP (TG) & NPT (TB) thread

Size 2"1/2 to 4"
Full bore



| 尺寸 Size | PN | Ø A | Ø B | Ø C2 | | D | E | E1 | F | G | Ø H | J2 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|------------------------------|-------|-----|-----|----------------|------------|-------|-----|-----|-----|-----|-----|-----|-------------|-----------------------|--------|
| | | | | GAZ BSP "P" | NPT NPT | | | | | | | | | | |
| V · 缩径 / Reduced bore | | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 107 | 3" | 3" | 180 | 171 | 153 | 370 | 84 | 174 | 34 | F07 | 14.940 |
| 100 | 4" | 40 | 76 | 125 | 4" | 4" | 210 | 182 | 165 | 440 | 104 | 197 | 40 | F10 | 21.590 |
| N · 通径 / Full bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 85 | 2"1/2 | 2"1/2 | 180 | 171 | 153 | 370 | 84 | 174 | 31 | F07 | 15.000 |
| 80 | 3" | 40 | 76 | 105 | 3" | 3" | 210 | 182 | 165 | 440 | 104 | 197 | 34 | F10 | 22.950 |
| 100 | 4" | 25 | 100 | 130 | 4" | 4" | 230 | 204 | 184 | 505 | 130 | 236 | 40 | F10 | 34.740 |

轨道自动焊

DN 08 到 DN 50

通径

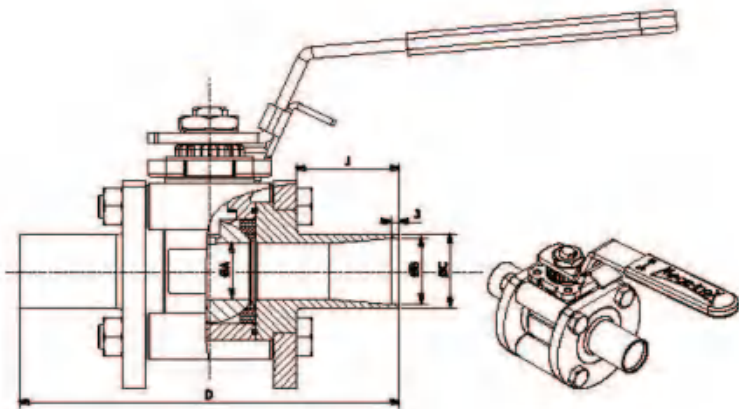
ISO 管道标准

Orbital welding

Size 1/4" to 2"

Full bore

ISO pipe



轨道自动焊

DN 65 到 DN 100

通径

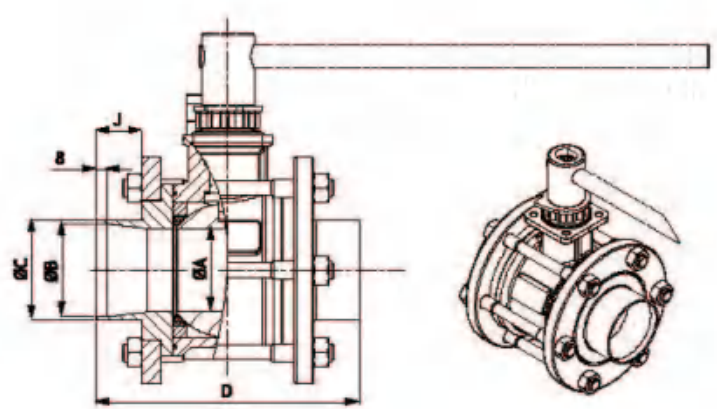
ISO 管道标准

Orbital welding

Size 2 1/2" to 4"

Full bore

ISO pipe



PY4

| 尺寸 Size | PN | ØA | ØB | ØC | D | J |
|------------|-----|------|------|------|-----|----|
| 08 1/4" | 100 | 11.1 | 10.3 | 13.5 | 113 | 35 |
| 12 3/8" | 100 | 11.1 | 14 | 17.2 | 113 | 35 |
| 15 1/2" | 100 | 14 | 18.1 | 21.3 | 117 | 35 |
| 20 3/4" | 100 | 19 | 23.7 | 26.9 | 130 | 35 |
| 25 1" | 70 | 25 | 29.7 | 33.7 | 140 | 35 |
| 32 1 1/4" | 70 | 32 | 38.4 | 42.4 | 151 | 35 |
| 40 1 1/2" | 50 | 38 | 44.3 | 48.3 | 159 | 35 |
| 50 2" | 50 | 50 | 56.3 | 60.3 | 185 | 35 |

| 尺寸 Size | PN | ØA | ØB | ØC | D | J |
|------------|----|-----|-------|-------|-----|----|
| 65 2 1/2" | 40 | 64 | 70.3 | 76.1 | 202 | 35 |
| 80 3" | 40 | 76 | 83.1 | 88.9 | 228 | 35 |
| 100 4" | 25 | 100 | 107.9 | 114.3 | 256 | 35 |

可选项: 其他尺寸可定制

On request : other sizes available

卡套接头

DN 06 到 DN 18

通径

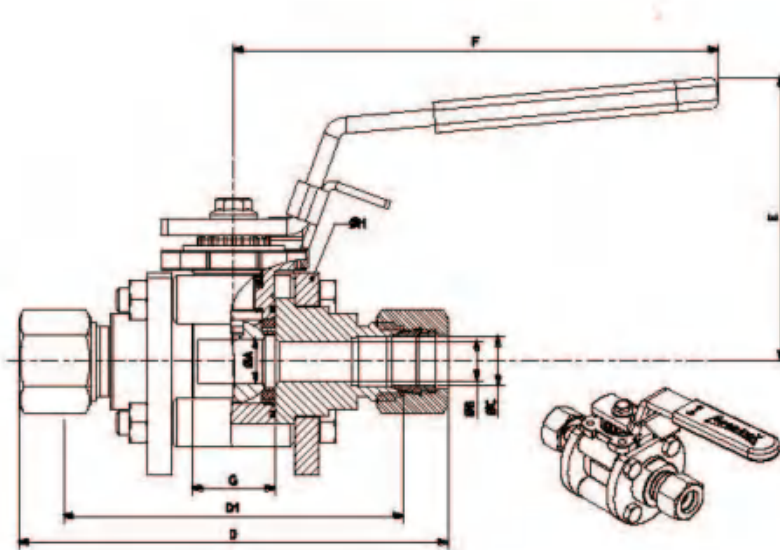
阀门安装更加容易，快捷
(螺母锁紧，无需焊接管路)

Compression fittings

Size 06 to 18

Full bore

Fast and easy valve installation
(nut screwing without welding)



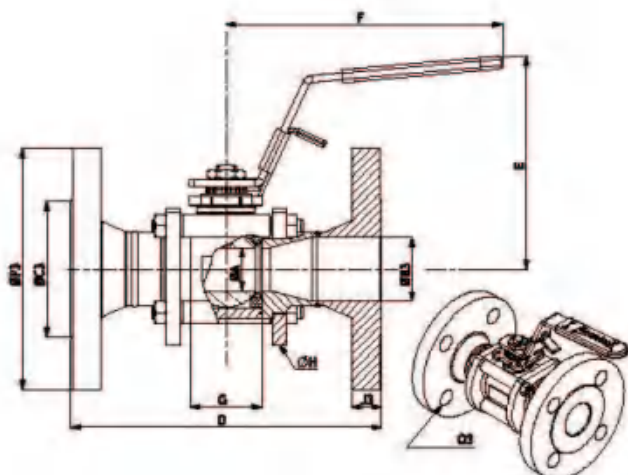
| 尺寸 Size | PN | ØA | ØB | ØC | D | D1 | E | F | G | ØH | ISO 5211 |
|------------|-----|------|-----|---------|-------|------|----|-----|------|----|-------------|
| 06 | 100 | 11.1 | 4.8 | OD 6 | 98 | 83.2 | 70 | 120 | 20.4 | 56 | F03 |
| 08 | 100 | 11.1 | 6.4 | OD 8 | 98 | 83 | 70 | 120 | 20.4 | 56 | F03 |
| 10 | 100 | 11.1 | 7.9 | OD 10 | 99.6 | 84.4 | 70 | 120 | 20.4 | 56 | F03 |
| 12 | 100 | 11.1 | 9.8 | OD 12 | 104.7 | 84.5 | 70 | 120 | 20.4 | 56 | F03 |
| 1/2*(OD) | 100 | 11.1 | 9.8 | OD 1/2" | 104.7 | 84.5 | 70 | 120 | 20.4 | 56 | F03 |
| 18 | 100 | 14 | 14 | OD 18 | 113.8 | 93.6 | 73 | 120 | 24.4 | 63 | F03 |

法兰连接

DN 15 到 DN 65
缩径 - PN 40

Flanged

Size 1/2" to 2 1/2"
Reduced bore - PN40

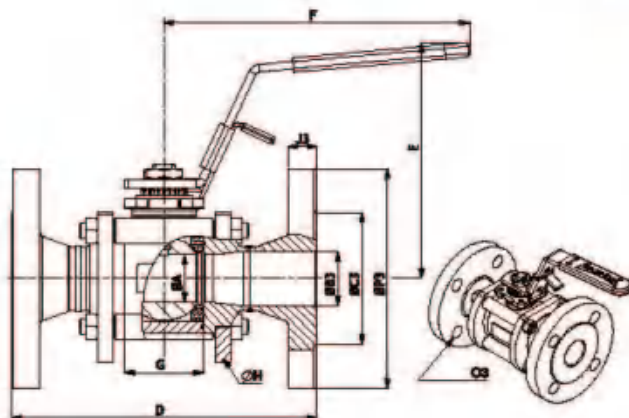


法兰连接

DN 15 到 DN 50
通径 - PN 40

Flanged

Size 1/2" to 2"
Full bore - PN40



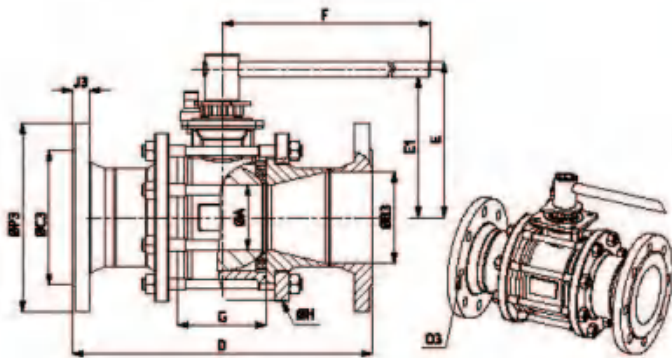
| 尺寸 Size | PN | Ø A | Ø B3 | Ø C3 | D | E | F | G | Ø H | J3 | O3 | Ø P3 | ISO 5211 | 重量(公斤) Weight (Kgf) | |
|------------------------------|--------|-----|------|------|-----|-----|-----|-----|------|-----|----|--------------|-------------|------------------------|--------|
| V - 缩径 / Reduced bore | | | | | | | | | | | | | | | |
| 15 | 1/2" | 40 | 11.1 | 17.3 | 45 | 130 | 123 | 120 | 20.4 | 56 | 16 | 4xØ14 / Ø65 | 95 | F03 | 1.930 |
| 20 | 3/4" | 40 | 14 | 22.3 | 58 | 150 | 126 | 120 | 24.4 | 63 | 18 | 4xØ14 / Ø75 | 105 | F03 | 2.690 |
| 25 | 1" | 40 | 19 | 28.5 | 68 | 160 | 145 | 160 | 31.6 | 80 | 18 | 4xØ14 / Ø85 | 115 | F04 | 3.910 |
| 32 | 1 1/4" | 40 | 25 | 37.2 | 78 | 180 | 149 | 160 | 41.4 | 88 | 18 | 4xØ18 / Ø100 | 140 | F04 | 5.490 |
| 40 | 1 1/2" | 40 | 32 | 43.1 | 88 | 200 | 160 | 190 | 48.2 | 104 | 18 | 4xØ18 / Ø110 | 150 | F05 | 7.120 |
| 50 | 2" | 40 | 38 | 54.5 | 102 | 230 | 165 | 190 | 56.2 | 117 | 20 | 4xØ18 / Ø125 | 165 | F05 | 9.440 |
| 65 | 2 1/2" | 40 | 50 | 70.3 | 122 | 290 | 180 | 230 | 71 | 148 | 22 | 8xØ18 / Ø145 | 185 | F07 | 15.370 |
| N - 通径 / Full bore | | | | | | | | | | | | | | | |
| 15 | 1/2" | 40 | 14 | 17.3 | 45 | 130 | 126 | 120 | 24.4 | 63 | 16 | 4xØ14 / Ø65 | 95 | F03 | 2.250 |
| 20 | 3/4" | 40 | 19 | 22.3 | 58 | 150 | 145 | 160 | 31.6 | 80 | 18 | 4xØ14 / Ø75 | 105 | F04 | 3.470 |
| 25 | 1" | 40 | 25 | 28.5 | 68 | 160 | 149 | 160 | 41.4 | 88 | 18 | 4xØ14 / Ø85 | 115 | F04 | 4.330 |
| 32 | 1 1/4" | 40 | 32 | 37.2 | 78 | 180 | 160 | 190 | 48.2 | 104 | 18 | 4xØ18 / Ø100 | 140 | F05 | 6.880 |
| 40 | 1 1/2" | 40 | 38 | 43.1 | 88 | 200 | 165 | 190 | 56.2 | 117 | 18 | 4xØ18 / Ø110 | 150 | F05 | 8.080 |
| 50 | 2" | 40 | 50 | 54.5 | 102 | 230 | 180 | 230 | 71 | 148 | 20 | 4xØ18 / Ø125 | 165 | F07 | 13.890 |

法兰连接

DN 80 到 DN 150
缩径

Flanged

Size 3" to 6"
Reduced bore

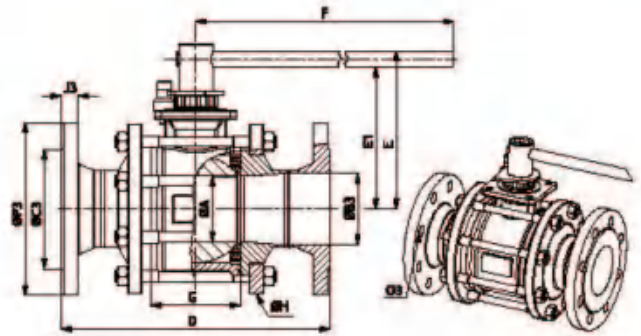


法兰连接

DN 65 到 DN 100
通径

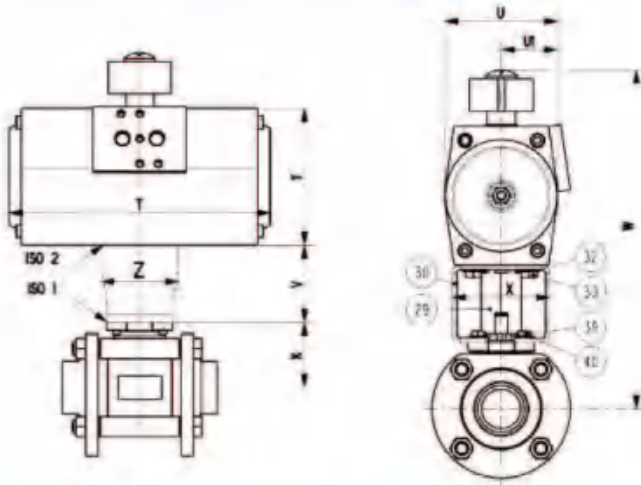
Flanged

Size 2 1/2" to 4"
Full bore



| 尺寸 Size | PN | Ø A | Ø B | Ø C3 | D | E | E1 | F | G | Ø H | J3 | O3 | P3 | ISO 5211 | 重量(公斤) Weight (Kg) | |
|------------------------------|--------|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|----|--------------|-------------|-----------------------|--------|
| V · 缩径 / Reduced bore | | | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 82.5 | 138 | 310 | 171 | 153 | 370 | 84 | 174 | 24 | 8xØ18 / Ø160 | 200 | F07 | 22.920 |
| 100 | 4" | 16 | 76 | 107.1 | 162 | 350 | 182 | 165 | 440 | 104 | 197 | 24 | 8xØ22 / Ø190 | 235 | F10 | 39.520 |
| 125 | 5" | 16 | 100 | 131.7 | 188 | 400 | 204 | 184 | 505 | 130 | 236 | 22 | 8xØ18 / Ø210 | 250 | F10 | 48.720 |
| 150 | 6" | 16 | 100 | 159.3 | 212 | 480 | 204 | 184 | 505 | 130 | 236 | 22 | 8xØ22 / Ø240 | 285 | F10 | 79.450 |
| N · 通径 / Full bore | | | | | | | | | | | | | | | | |
| 65 | 2 1/2" | 40 | 64 | 70.3 | 122 | 290 | 171 | 153 | 370 | 84 | 174 | 22 | 8xØ18 / Ø145 | 185 | F07 | 20.840 |
| 80 | 3" | 40 | 76 | 82.5 | 138 | 310 | 182 | 165 | 440 | 104 | 197 | 24 | 8xØ18 / Ø160 | 200 | F10 | 30.150 |
| 100 | 4" | 16 | 100 | 107.1 | 162 | 350 | 204 | 184 | 505 | 130 | 236 | 24 | 8xØ22 / Ø190 | 235 | F10 | 43.840 |

气动连接件/Actuated components DN08到DN50 (Size 1/4" to 2")



| 序号 Part | 数量 Qty | 部件名称 Description | 材质 (DN) Material (ASTM) |
|------------|-----------|---------------------------------|----------------------------|
| 29 | 1 | 连接器/Coupling | 1.4307 |
| 30 | 1 | 支架/Bracket | 1.4307 |
| 32 | 4 | 平垫圈(气室侧)/Washer (actuator side) | 1.4301 |
| 33 | 4 | 螺钉(气室侧)/Screw (actuator side) | 1.4301 |
| 39 | 4 | 螺钉(阀门侧)/Screw (valve side) | 1.4301 |
| 40 | 4 | 平垫圈(阀门侧)/Washer (valve side) | 1.4301 |

PY4

气动参数/Actuated components

PY4 单作用气动执行器型号 Spring Return type on PY4

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | T | U | U1 | V | W | X | Y | Z | | |
|-----------------|--------------------|----|--------|-------------------|-------|---------------|-----|-----|-----|----|------|-------|-----|-------|-----|
| 满径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | |
| 8-12 | 1/4"-3/8" | 15 | 1/2" | 27.5 | F03 | 2MICA-04SSR12 | F05 | 146 | 58 | 38 | 47 | 169.5 | 62 | 65 | 50 |
| 15 | 1/2" | 20 | 3/4" | 31 | F03 | 2MICA-063SR12 | F05 | 168 | 72 | 49 | 47 | 196 | 62 | 68 | 50 |
| 20 | 3/4" | 25 | 1" | 37.9 | F04 | 2MICA-063SR12 | F05 | 168 | 72 | 57 | 49.5 | 205.4 | 62 | 68 | 50 |
| 25 | 1" | 32 | 1 1/4" | 42 | F04 | 2MICA-063SR12 | F07 | 204 | 90 | 67 | 49.5 | 230.5 | 62 | 109 | 69 |
| 32 | 1 1/4" | 40 | 1 1/2" | 54 | F05 | 2MICA-105SR12 | F10 | 268 | 115 | 72 | 49.5 | 266.5 | 120 | 133 | 105 |
| 40 | 1 1/2" | 50 | 2" | 59 | F05 | 2MICA-125SR12 | F10 | 298 | 140 | 72 | 49.5 | 293.5 | 120 | 155 | 105 |
| 50 | 2" | 65 | 2 1/2" | 73 | F07 | 2MICA-140SR12 | F12 | 390 | 152 | 78 | 79.5 | 354 | 132 | 171.5 | 120 |

以上数据基于：阀门上下游压差最大值 $\Delta P=40$ bar，气源压力为 6 bar / Values given for service pressure at: $P=40$ bar max and 6 bar air supply

PY4 双作用气动执行器型号 Double Acting type on PY4

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | T | U | U1 | V | W | X | Y | Z | | |
|-----------------|--------------------|----|--------|-------------------|-------|-------------|-----|-----|-----|------|------|-------|-----|-----|-----|
| 满径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | |
| 8-12 | 1/4"-3/8" | 15 | 1/2" | 27.5 | F03 | 2MICA-04SDA | F05 | 146 | 58 | 29 | 47 | 169.5 | 62 | 65 | 50 |
| 15 | 1/2" | 20 | 3/4" | 31 | F03 | 2MICA-04SDA | F05 | 146 | 58 | 29 | 47 | 173 | 62 | 66 | 50 |
| 20 | 3/4" | 25 | 1" | 37.9 | F04 | 2MICA-04SDA | F05 | 146 | 58 | 29 | 49.5 | 182.4 | 62 | 66 | 50 |
| 25 | 1" | 32 | 1 1/4" | 42 | F04 | 2MICA-063DA | F05 | 168 | 72 | 36 | 49.5 | 209.5 | 62 | 68 | 50 |
| 32 | 1 1/4" | 40 | 1 1/2" | 54 | F05 | 2MICA-075DA | F05 | 184 | 83 | 41.5 | 49.5 | 233.5 | 62 | 100 | 50 |
| 40 | 1 1/2" | 50 | 2" | 59 | F05 | 2MICA-083DA | F07 | 204 | 90 | 45 | 49.5 | 247.5 | 62 | 109 | 69 |
| 50 | 2" | 65 | 2 1/2" | 73 | F07 | 2MICA-105DA | F10 | 268 | 115 | 57.5 | 79.5 | 315.5 | 120 | 133 | 105 |

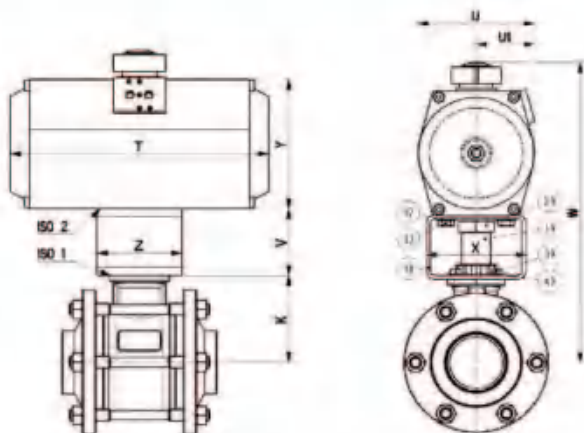
以上数据基于：阀门上下游压差最大值 $\Delta P=40$ bar，气源压力为 6 bar / Values given for service pressure at: $P=40$ bar max and 6 bar air supply

$\Delta P = 40$ bar

| 尺寸 Size | 气源压力 Air supply pressure | 双作用/ Double acting 型号/Code | 弹簧回位/ Spring return 型号/Code |
|------------------|-----------------------------|----------------------------------|-----------------------------------|
| 10 (8-12) F03 | 6 | 2MICA-04SDA KPNi410 0511 | 2MICA-04SSR12 KPNi410 0511 |
| 15 F03 | 6 | 2MICA-04SDA KPNi410 0511 | 2MICA-063SR12 KPNi410 0514 |
| 20 F04 | 6 | 2MICA-04SDA KPNi420 0511 | 2MICA-063SR12 KPNi420 0514 |
| 25 F04 | 6 | 2MICA-063DA KPNi420 0514 | 2MICA-083SR12 KPNi420 0717 |
| 32 F05 | 6 | 2MICA-075DA KPNi432 0514 | 2MICA-105SR12 KPNi432 1022 |
| 40 F05 | 6 | 2MICA-083DA KPNi432 0717 | 2MICA-125SR12 KPNi432 1022 |
| 50 F07 | 6 | 2MICA-105DA KPNi450 1022 | 2MICA-140SR12 KPNi450 1227 |

气动连接件/Actuated components

DN65到DN200(Size 2"1/2 to 8")



| 编号 Item | 数量 Qty | 零件名称 Description | 材质 (EN) Material (ASTM) |
|------------|-----------|---------------------------------|----------------------------|
| 19 | 1 | 手柄适配器/Handle adaptor | 1.4305 |
| 29 | 1 | 连接杆/Coupling | 1.4307 |
| 30 | 1 | 支架/Bracket | 1.4307 |
| 32 | 4 | 平垫圈(气缸侧)/Washer (actuator side) | 1.4301 |
| 33 | 4 | 螺钉(气缸侧)/Screw (actuator side) | 1.4301 |
| 39 | 4 | 螺钉(阀门侧)/Screw (valve side) | 1.4301 |
| 40 | 4 | 平垫圈(阀门侧)/Washer (valve side) | 1.4301 |

PY4 单作用气动执行器型号 Spring Return type on PY4

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | ISO 3 | T | U | U1 | V | W | X | Y | Z | | |
|-----------------|--------------------|-----|-------|-------------------|-------|---------------|-----|-----|-----|-----|-------|------|-------|-----|-------|-----|
| 直径 Full Bore | 口径 Reduced Bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | 104 | F07 | 2MICA-140SR12 | F07 | F12 | 312 | 191 | 95.5 | 79.5 | 411 | 132 | 207.5 | 120 |
| 80 | 3" | 100 | 4" | 114 | F10 | 2MICA-140SR12 | F10 | F12 | 312 | 191 | 95.5 | 79.5 | 421 | 136 | 207.5 | 118 |
| 100 | 4" | 125 | 5" | 133 | F10 | 2MICA-140SR12 | F10 | F14 | 361 | 227 | 113.5 | 79.5 | 482.5 | 158 | 250 | 140 |

以上数据基于: 阀门上下游压差最大值 $\Delta P=10$ bar, 气源压力为 6 bar./ Values given for service pressure at: $P=10$ bar max and 6 bar air supply

PY4 双作用气动执行器型号 Double Acting type on PY4

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | ISO 3 | T | U | U1 | V | W | X | Y | Z | | |
|-----------------|--------------------|-----|-------|-------------------|-------|-------------|-----|-----|-----|-------|----|------|-----|-----|-------|----|
| 直径 Full Bore | 口径 Reduced Bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | 104 | F07 | 2MICA-105DA | F07 | F07 | 218 | 136.5 | 72 | 79.5 | 344 | 85 | 140.5 | 69 |
| 80 | 3" | 100 | 4" | 114 | F10 | 2MICA-105DA | F10 | F07 | 218 | 136.5 | 72 | 79.5 | 354 | 85 | 140.5 | 69 |
| 100 | 4" | 125 | 5" | 133 | F10 | 2MICA-105DA | F10 | F10 | 266 | 156 | 78 | 79.5 | 399 | 120 | 166.5 | 95 |

以上数据基于: 阀门上下游压差最大值 $\Delta P=10$ bar, 气源压力为 6 bar./ Values given for service pressure at: $P=10$ bar max and 6 bar air supply

PY4 $\Delta P=10$ bar

| 尺寸 Size | 气源压力 Air supply pressure | 双作用/ Double acting 编号/Code | 单作用/ Spring return 编号/Code |
|------------|-----------------------------|----------------------------------|----------------------------------|
| 65 F07 | 6 | 2MICA-105DA KPNi2P065 1022 | 2MICA-140SR12 KPNi2P065 1227 |
| 80 F10 | 6 | 2MICA-105DA KPNi2P080 1022 | 2MICA-140SR12 KPNi2P080 1227 |
| 100 F10 | 6 | 2MICA-125DA KPNi2P100 1022 | 2MICA-190SR12 KPNi2P100 1463 |

DN 08 到 DN 100

PN100 / PN25
通径或缩径
活套法兰连接
ISO法兰平台
防火设计 (可选)



DN08-DN50系列
Size 1/4" to 2" series

Size 1/4" to 4"

PN 100 / PN 25
Full I bore or reduced bore
Rotating ends system
ISO top flange
Fire safe (option)



气动系列
Actuated series

技术参数

PY4CY和PY4CY防火: TF3215阀座
(聚四氟乙烯+碳) 温度范围: -200°C/+200°C
带有延长阀杆的版本, 应用于阀门外部会有凝冰的情况。

316L, 904L, 304L, C22合金材质

在球阀与阀杆连接处钻孔, 用于在阀门开启时的阀腔泻压。而上游泄压孔的设置是为了阀门在关闭位置时增大阀体及球阀内泄压。

PY4CY: 延长阀杆所产生的低温气体缓冲区, 可以避免出现冻结状况, 保证阀门能够轻松操作。

认证:

功能性符合EN1626/-196°C

PY4CY防火设计标准: EN12567, ISO10497, API607以及API6FA

PED 97/23/EC

TA-Luft(逃逸泄露)

AD2000 Merkblatt

可选项:

ATEX94/9/EC

遵照2010/35/UE TPED认证打上π标识

ADR§1.8.7.6 认证

Technical data

PY4 CY and PY4 CY fire safe: TF 3215 seats
(PTFE + Carbon). Temperature range: -200°C / +200°C
Version with extension for applications with icing risk.

316L, 904L, 304L, Alloy 22 version.

Ball drilling in the stem mark for cavity relief in the open position.

Upstream vent hole for cavity relief in the closed position.

PY4 CY: Stem extension avoids any stem freezing and allows easy valve operation.

Approvals:

Functionnal EN1626/-196°C

PY4 CY Fire Safe design: EN12567, ISO10497, API607 and API6FA

PED 97/23/CE

TA-Luft (fugitive emissions)

AD2000 Merkblatt

Options:

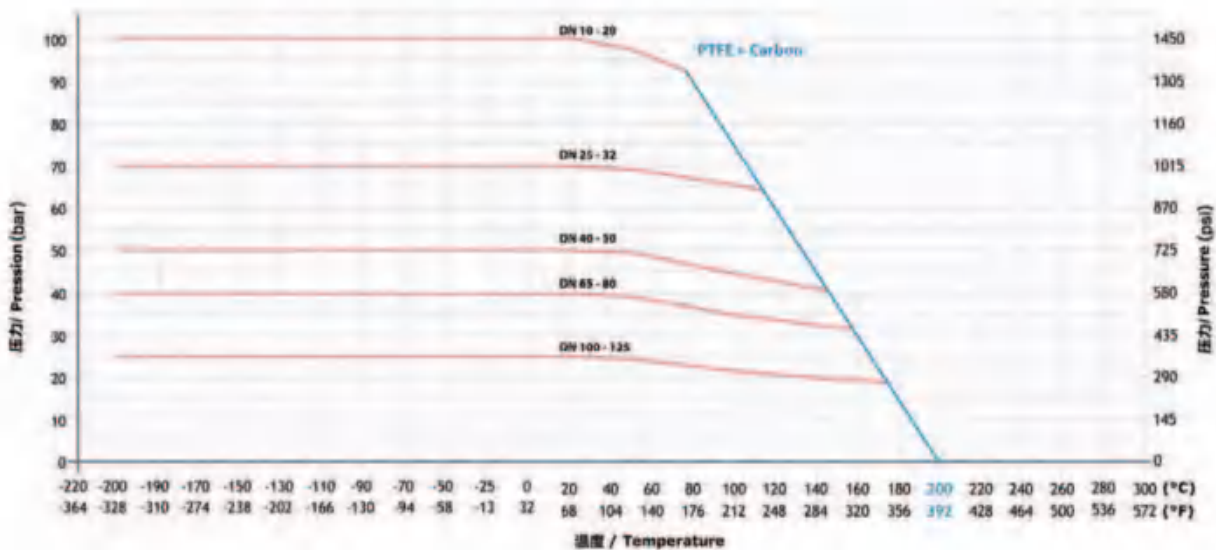
ATEX 94/9/CE

certification according to 2010/35/UE TPED:

certification ADR §1.8.7.6

PY4CY

压力/温度图 Pressure/Temperature diagrams

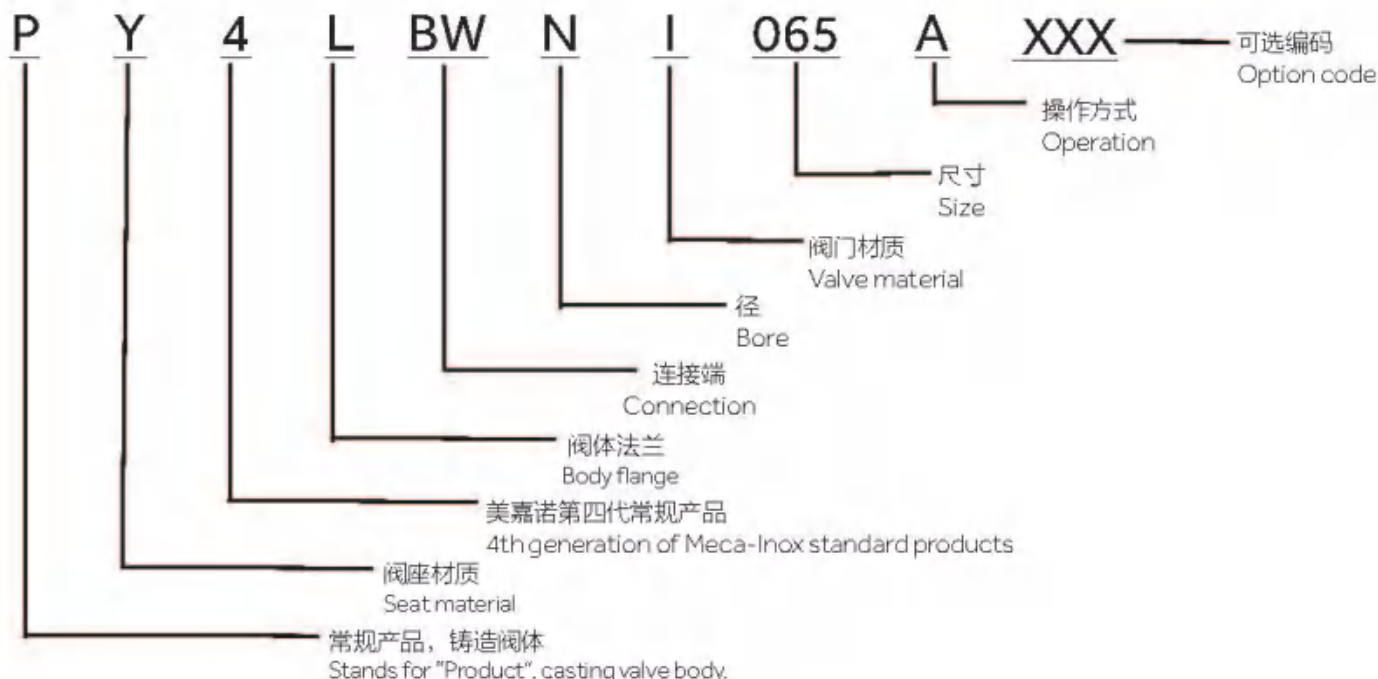


----- 阀体的机械强度
—— 阀门正常操作的最大压差

所以数据基于阀门的通径尺寸

----- mechanical strength of body
—— mechanical strength of seats

All values are given for full bore size.



编码 | CODIFICATION

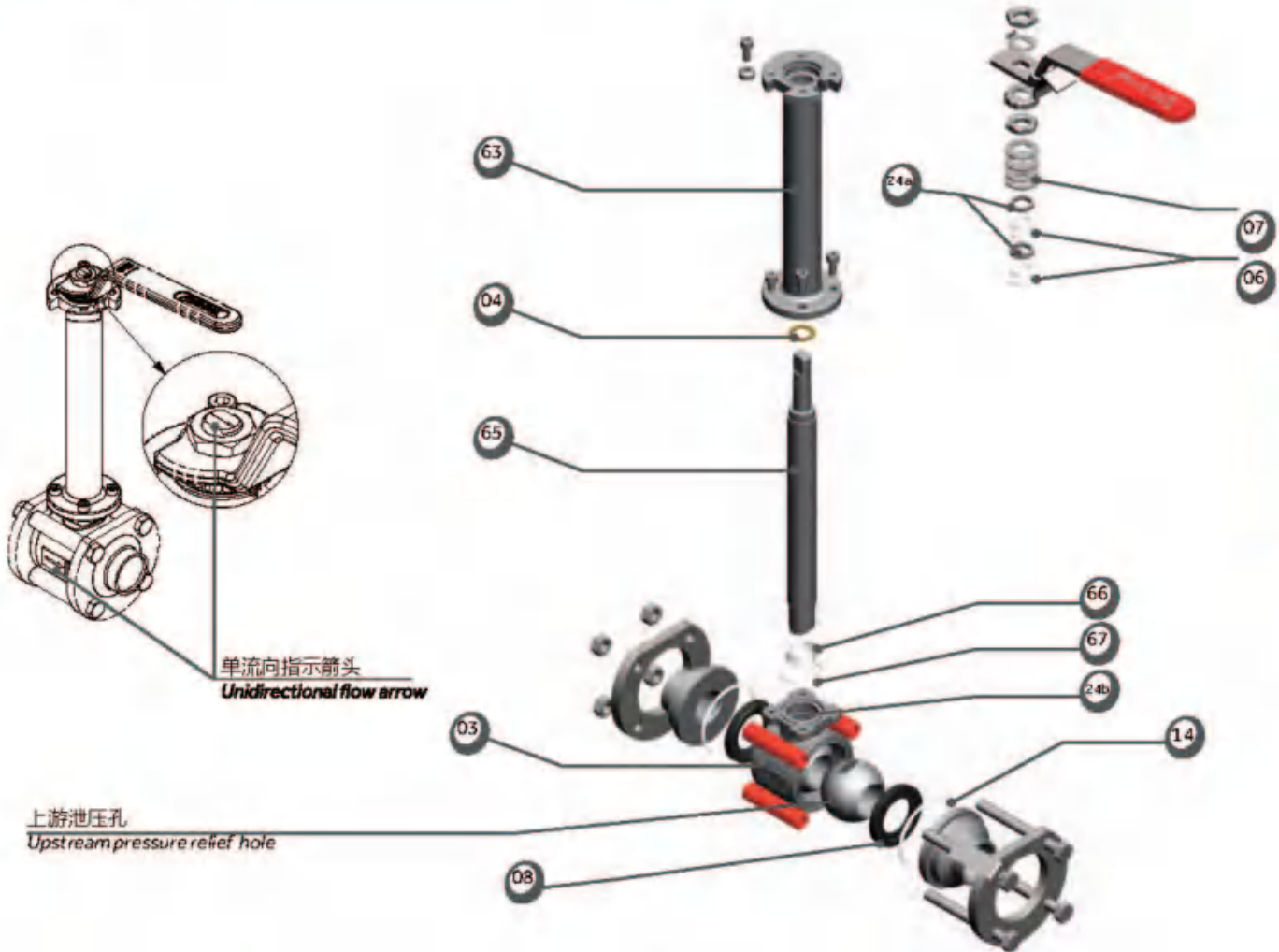
| 阀座 Seat | 阀体法兰 Body flange | | 连接端 Connection | | 径 Bore | 尺寸 Size | 材质 Material | | 操作方式 Operation | | |
|------------|---------------------|----------------------|-------------------|-----------------------|-----------|---------------------|--------------------|---|----------------------------------|---|--------------------------|
| TF3215 | L | 活套法兰形式 Loose ends | BW | 对焊 Butt Welding | N | 通径 Full bore | DN10 DN100 | I | 316L | A | 手动操作 Manual operation |
| | F | 固定法兰形式 Fixed ends | SW | 承插焊 Socket Welding | V | 缩径 Reduced bore | | C | 双相不锈钢 Duplex 1.4462 | L | 气动/电动 Manual/Electric |
| | | | TB | NPT螺纹 NPT threaded | T | 全通径 Full bore | | D | 超级双相不锈钢 Super Duplex 1.4410 | 0 | 光杆 Bare stem |
| | | | TG | BSP螺纹 BSP threaded | S | 反径 Inverted bore | | U | 不锈钢 904L Stainless steel 904L | | |
| | | | OR | 法兰连接 Flange ends | | | | H | 哈氏合金 C22 Hastelloy C22 | | |
| | | | DB | | | | | | | | |
| | | | RF | | | | | | | | |
| | | | | | | | | | | | |
| | | | | 可定制 Customized | | | | | 可定制 Customized | | |

PY4 CY

DN 08 到 DN50

PY4 CY

Size 1/4" to 2"



PY4CY

功能性符合 EN1626/-196°C

| 编号 | 数量 | 描述 | 材质 (EN) |
|-----|----|------|---------------------|
| 03 | 1 | 阀体 | 1.4409 |
| 04 | 1 | 阀杆密封 | PTFE 20% PEEK |
| 06 | 2 | 填料 | PTFE 33% C + 2 % Gr |
| 07 | 4 | 弹簧垫片 | 1.4310 |
| 08 | 2 | 阀座 | PTFE+碳 |
| 14 | 2 | 阀体密封 | PTFE |
| 24a | 2 | 填料压盖 | 1.4404 |
| 24b | 1 | 导向环 | 1.4404 |
| 63 | 1 | 延长套筒 | 1.4307 |
| 65 | 1 | 延长阀杆 | 1.4404 |
| 66 | 1 | 开口衬套 | PTFE |
| 67 | 1 | 密封垫片 | PTFE |

Functionnal EN1626/-196°C

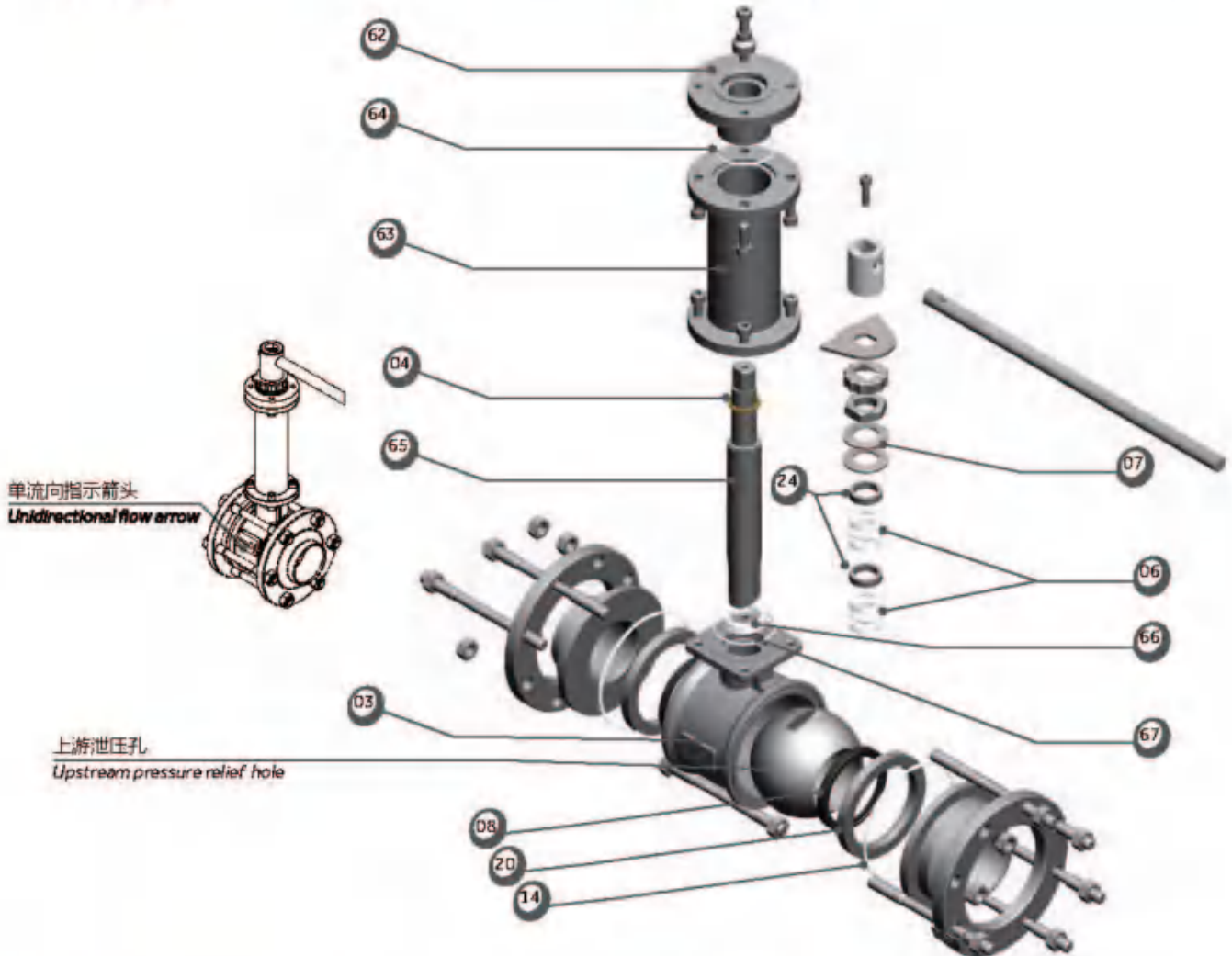
| Item | Qty | Description | Material (ASTM) |
|------|-----|-------------------|-----------------|
| 03 | 1 | Body | CF3M |
| 04 | 1 | Stem thrust seal | 20%PEEK PTFE |
| 06 | 2 | Gland packing | 33%C+2%Gr PTFE |
| 07 | 4 | Spring washers | 301 |
| 08 | 2 | Seat | PTFE+Carbon |
| 14 | 2 | Body seal | PTFE |
| 24a | 2 | Gland | 316L |
| 24b | 1 | Guide ring | 316L |
| 63 | 1 | Extension's body | 304L |
| 65 | 1 | Extended stem | 316L |
| 66 | 1 | Split ring | PTFE |
| 67 | 1 | Flat seal (valve) | PTFE |

PY4CY

DN 65 到 DN 100

PY4CY

Size 2"1/2 to 4"



功能性符合EN1626/-196°C

Functionnal EN1626/-196°C

| 编号 | 数量 | 描述 | 材质(EN) |
|----|----|------|---------------|
| 03 | 1 | 阀体 | 1.4409 |
| 04 | 1 | 阀杆密封 | PTFE 20% PEEK |
| 06 | 2 | 填料 | PTFE |
| 07 | 2 | 弹簧垫片 | 1.4310 |
| 08 | 2 | 阀座 | PTFE+碳 |
| 14 | 2 | 阀体密封 | PTFE |
| 20 | 2 | 阀座支撑 | 1.4404 |
| 24 | 2 | 填料压盖 | 1.4404 |
| 62 | 1 | 法兰盖 | 1.4404 |
| 63 | 1 | 延长套筒 | 1.4307 |
| 64 | 1 | 平垫 | PTFE |
| 65 | 1 | 延长阀杆 | 1.4404 |
| 66 | 1 | 阀套 | PTFE |
| 67 | 1 | 密封垫片 | PTFE |

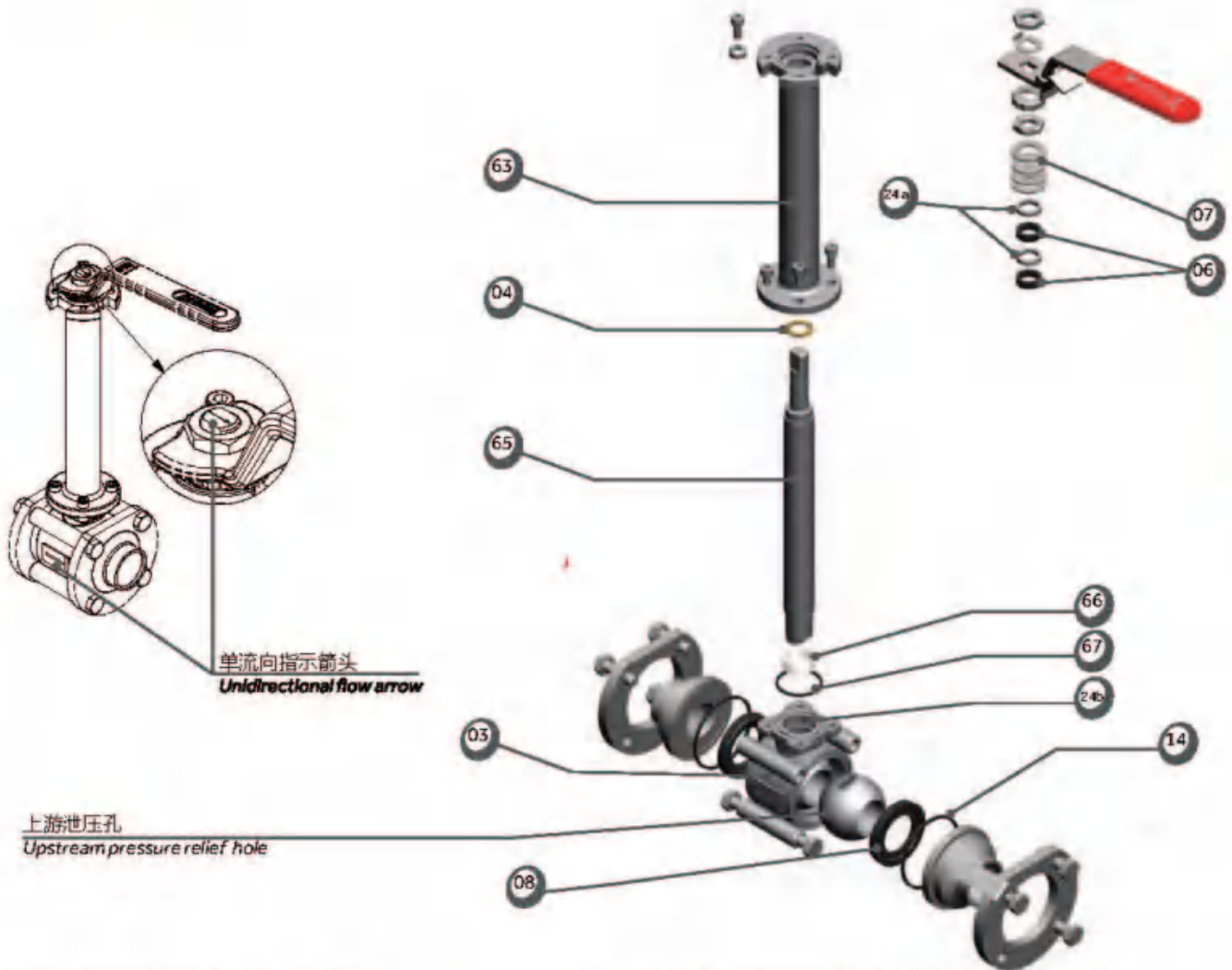
| Item | Qty | Description | Material (ASTM) |
|------|-----|------------------|-----------------|
| 03 | 1 | Body | CF3M |
| 04 | 1 | Stem thrust seal | 20%PEEK PTFE |
| 06 | 2 | Gland packing | PTFE |
| 07 | 2 | Spring washers | 301 |
| 08 | 2 | Seat | PTFE+Carbon |
| 14 | 2 | Body seal | PTFE |
| 20 | 2 | Seat support | 316L |
| 24 | 2 | Gland | 316L |
| 62 | 1 | Manuel flange | 316L |
| 63 | 1 | Extension's body | 304L |
| 64 | 1 | Flat seal | PTFE |
| 65 | 1 | Extended stem | 316L |
| 66 | 1 | Split ring | PTFE |
| 67 | 1 | Flat seal | PTFE |

PY4 CY 防火设计

DN08 到 DN50

PY4 CY fire safe

Size 1/4" to 2"



PY4CY

LNG行业符合EN12567标准
耐火性符合ISO10497/API607/API6FA标准

Certified EN12567 for LNG
Certified ISO10497/API607/API6FA Fire Resistance

| 编号 | 数量 | 描述 | 材质(EN) |
|-----|----|------|---------------|
| 03 | 1 | 阀体 | 1.4409 |
| 04 | 1 | 阀杆密封 | PTFE 20% PEEK |
| 06 | 2 | 填料 | 石墨 |
| 07 | 4 | 弹簧垫片 | 1.4310 |
| 08 | 2 | 阀座 | PTFE+碳 |
| 14 | 2 | 阀体密封 | 石墨 |
| 24a | 2 | 填料压盖 | 1.4404 |
| 24b | 1 | 导向环 | 1.4404 |
| 63 | 1 | 延长套筒 | 1.4307 |
| 65 | 1 | 延长阀杆 | 1.4404 |
| 66 | 1 | 开口衬套 | PTFE |
| 67 | 1 | 密封垫片 | 石墨 |

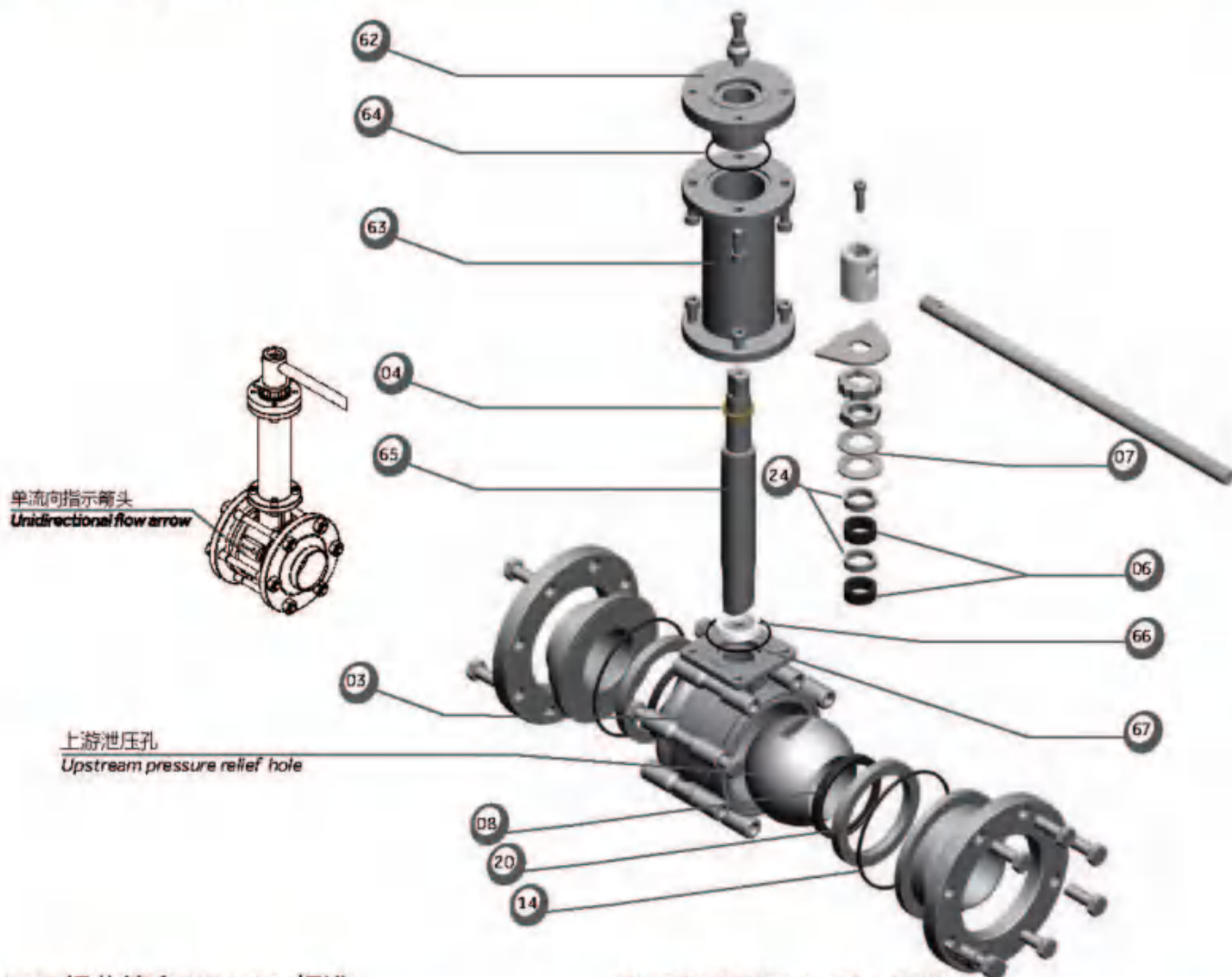
| Item | Qty | Description | Material (ASTM) |
|------|-----|-------------------|-----------------|
| 03 | 1 | Body | CF3M |
| 04 | 1 | Stem thrust seal | 20%PEEK PTFE |
| 06 | 2 | Gland packing | Graphite |
| 07 | 4 | Spring washers | 301 |
| 08 | 2 | Seat | PTFE+Carbon |
| 14 | 2 | Body seal | Graphite |
| 24a | 2 | Gland | 316L |
| 24b | 1 | Guiding ring | 316L |
| 63 | 1 | Extension's body | 304L |
| 65 | 1 | Extended stem | 316L |
| 66 | 1 | Split ring | PTFE |
| 67 | 1 | Flat seal (valve) | Graphite |

PY4CY 防火设计

DN 65 到 DN 100

PY4CY fire safe

Size 2"1/2 to 4"



LNG行业符合EN12567标准
耐火性符合ISO10497/API607/API6FA标准

Certified EN12567 for LNG
Certified ISO10497/API607/API6FA Fire Resistance

| 编号 | 数量 | 描述 | 材质 (EN) |
|----|----|------|---------------|
| 03 | 1 | 阀体 | 1.4409 |
| 04 | 1 | 阀杆密封 | PTFE 20% PEEK |
| 06 | 2 | 填料 | 石墨 |
| 07 | 2 | 弹簧压片 | 1.4310 |
| 08 | 2 | 阀座 | PTFE+碳 |
| 14 | 2 | 阀体密封 | 石墨 |
| 20 | 2 | 阀座支撑 | 1.4404 |
| 24 | 2 | 填料压盖 | 1.4404 |
| 62 | 1 | 法兰盖 | 1.4404 |
| 63 | 1 | 延长套筒 | 1.4307 |
| 64 | 1 | 平垫 | PTFE |
| 65 | 1 | 延长阀杆 | 1.4404 |
| 66 | 1 | 阀套 | PTFE |
| 67 | 1 | 密封垫片 | PTFE |

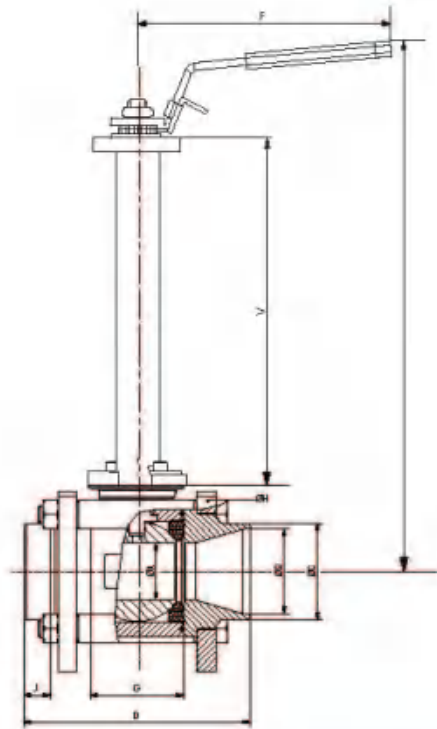
| Item | Qty | Description | Material (ASTM) |
|------|-----|------------------|-----------------|
| 03 | 1 | Body | CF3M |
| 04 | 1 | Stem thrust seal | 20%PEEK PTFE |
| 06 | 2 | Gland packing | Graphite |
| 07 | 2 | Spring washers | 301 |
| 08 | 2 | Seat | PTFE+Carbon |
| 14 | 2 | Body seal | Graphite |
| 20 | 2 | Seat support | 316L |
| 24 | 2 | Gland | 316L |
| 62 | 1 | Manuel flange | 316L |
| 63 | 1 | Extension's body | 304L |
| 64 | 1 | Flat seal | PTFE |
| 65 | 1 | Extended stem | 316L |
| 66 | 1 | Split ring | PTFE |
| 67 | 1 | Flat seal | PTFE |

对焊/Butt Weld

DN 15 到 DN 65/Size 1/2" to 2"1/2

缩径/Reduced bore

ISO 管道标准/ISO pipe

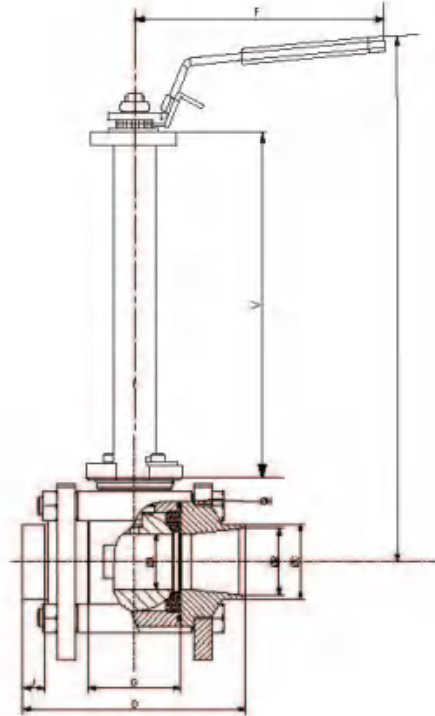


对焊/Butt Weld

DN 08 到 DN 50/ Size 1/4" to 2"

通径/Full bore

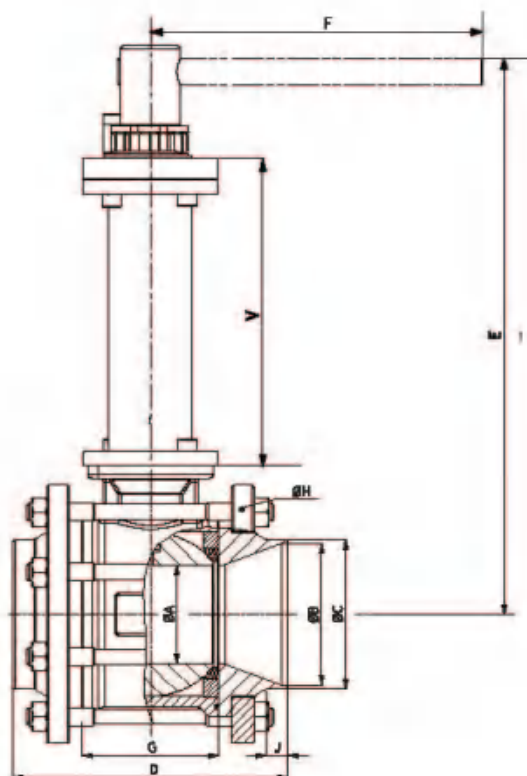
ISO 管道标准/ISO pipe



| 尺寸 Size | PN | Ø A | Ø B | Ø C | D | E | F | G | Ø H | J | V | ISO 5211 | |
|-----------------------|-------|-----|------|------|------|-----|-----|-----|------|-----|------|-------------|-----|
| V = 缩径 / Reduced bore | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 17.3 | 21.3 | 65 | 227 | 120 | 20.4 | 56 | 8.5 | 157 | F03 |
| 20 | 3/4" | 100 | 14 | 22.9 | 26.9 | 70 | 230 | 120 | 24.4 | 63 | 8.8 | 157 | F03 |
| 25 | 1" | 100 | 19 | 29.7 | 33.7 | 85 | 279 | 160 | 31.6 | 80 | 91 | 188 | F04 |
| 32 | 1"1/4 | 70 | 25 | 37.2 | 42.4 | 100 | 283 | 160 | 41.4 | 88 | 11.9 | 188 | F04 |
| 40 | 1"1/2 | 70 | 32 | 43.1 | 48.3 | 110 | 323 | 190 | 48.2 | 104 | 10.9 | 212 | F05 |
| 50 | 2" | 50 | 38 | 54.5 | 60.3 | 125 | 328 | 190 | 56.2 | 117 | 14.1 | 212 | F05 |
| 65 | 2"1/2 | 50 | 50 | 70.3 | 76.1 | 150 | 346 | 230 | 71 | 148 | 13.2 | 209 | F07 |
| N = 通径 / Full bore | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 9.5 | 13.5 | 65 | 227 | 120 | 20.4 | 56 | 6.4 | 157 | F03 |
| 12 | 3/8" | 100 | 11.1 | 13.2 | 17.2 | 65 | 227 | 120 | 20.4 | 56 | 7.3 | 157 | F03 |
| 15 | 1/2" | 100 | 14 | 17.3 | 21.3 | 70 | 230 | 120 | 24.4 | 63 | 7.3 | 157 | F03 |
| 20 | 3/4" | 100 | 19 | 22.9 | 26.9 | 85 | 279 | 160 | 31.6 | 80 | 7.2 | 188 | F04 |
| 25 | 1" | 70 | 25 | 29.7 | 33.7 | 100 | 283 | 160 | 41.4 | 88 | 9.4 | 188 | F04 |
| 32 | 1"1/4 | 70 | 32 | 37.2 | 42.4 | 110 | 323 | 190 | 48.2 | 104 | 9.2 | 212 | F05 |
| 40 | 1"1/2 | 50 | 38 | 43.1 | 48.3 | 125 | 328 | 190 | 56.2 | 117 | 10.7 | 212 | F05 |
| 50 | 2" | 50 | 50 | 54.5 | 60.3 | 150 | 346 | 230 | 71 | 148 | 8.6 | 209 | F07 |

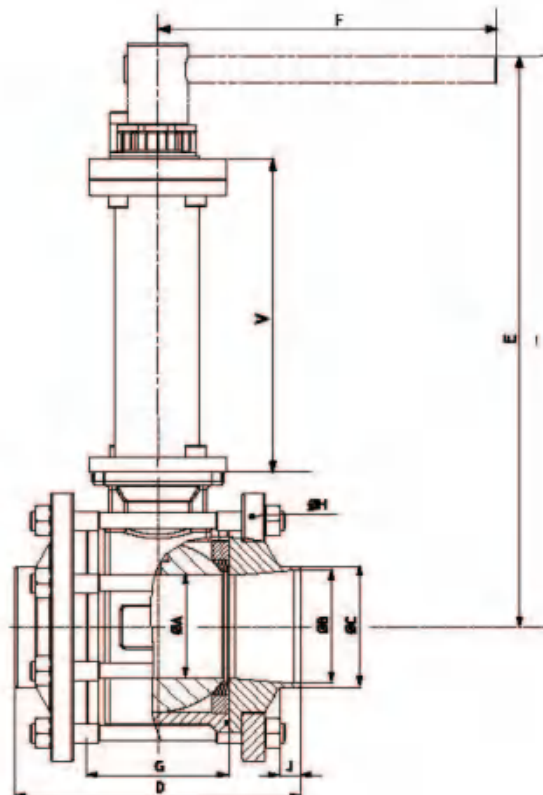
对焊/Butt Weld

DN 80 到 DN 150/Size 3" to 6"
缩径/Reduced bore
ISO管道标准/ISO pipe



对焊/Butt Weld

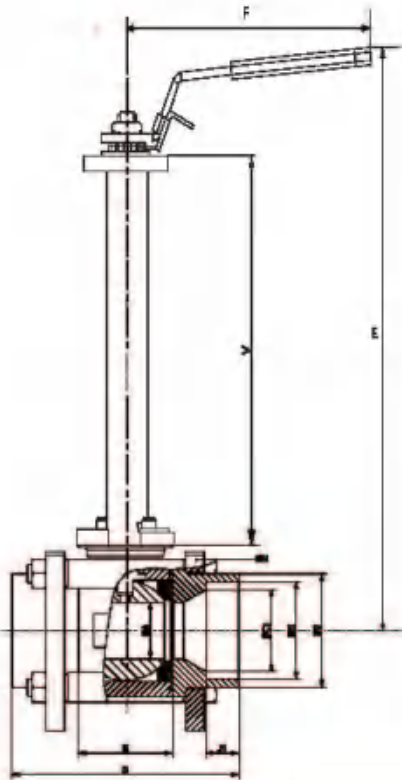
DN 65 到 DN 100/Size 2"1/2 to 6"
通径/Full bore
ISO管道标准/ISO pipe



| 尺寸 Size | PN | ØA | ØB | ØC | D | E | F | G | ØH | J | V | ISO 5211 | |
|-----------------------|-------|----|-----|-------|-------|-----|-----|-----|-----|-----|------|-------------|-----|
| V • 缩径 / Reduced bore | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 83.1 | 88.9 | 180 | 385 | 370 | 84 | 174 | 12.8 | 214 | F07 |
| 100 | 4" | 40 | 76 | 107.9 | 114.3 | 210 | 398 | 440 | 104 | 197 | 16.4 | 216 | F10 |
| 125 | 5" | 25 | 100 | 133.7 | 139.7 | 230 | 420 | 505 | 130 | 236 | 12.9 | 216 | F10 |
| 150 | 6" | 25 | 100 | 162.3 | 168.3 | 230 | 420 | 505 | 130 | 236 | 12.9 | 216 | F10 |
| H • 通径 / Full bore | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 70.3 | 76.1 | 180 | 385 | 370 | 84 | 174 | 14.4 | 214 | F07 |
| 80 | 3" | 40 | 76 | 83.1 | 88.9 | 210 | 398 | 440 | 104 | 197 | 14.9 | 216 | F10 |
| 100 | 4" | 25 | 100 | 107.9 | 114.3 | 230 | 420 | 505 | 130 | 236 | 12.7 | 216 | F10 |

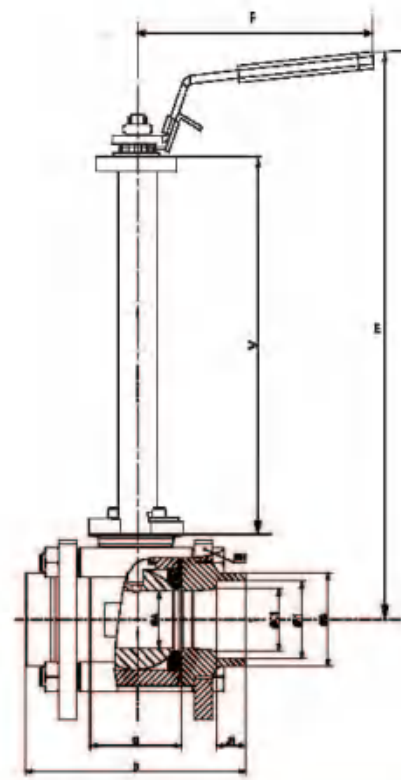
承插焊/Socket Weld

DN 15 到 DN 65/Size 1/2" to 2" 1/2
缩径/Reduced bore



承插焊/Socket Weld

DN 08 到 DN 50/Size 1/4" to 2"
通径/Full bore

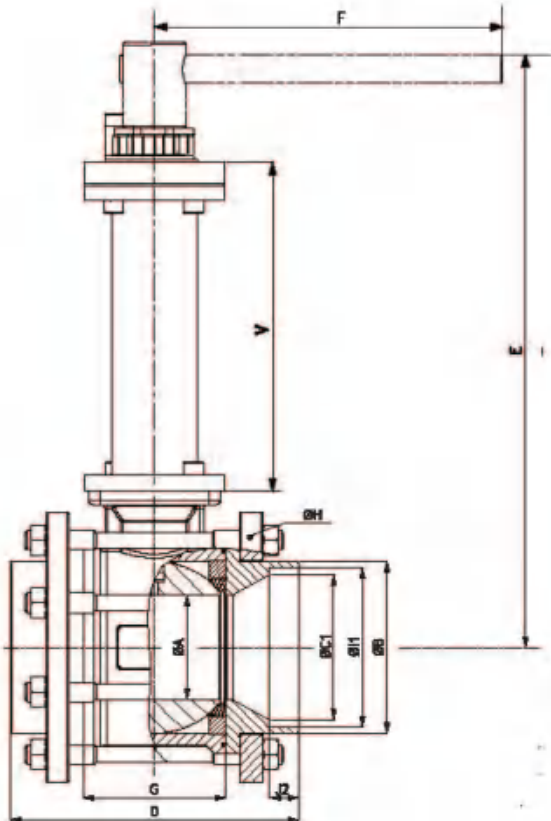


| 尺寸 Size | PN | Ø A | Ø B | Ø C1 | D | E | F | G | Ø H | Ø I1 | J1 | V | ISO 5211 | |
|----------------------|--------|-----|------|------|------|-----|-----|-----|------|------|------|------|-------------|-----|
| V · 缩径/ Reduced bore | | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 27.0 | 16.1 | 65 | 227 | 120 | 20.4 | 56 | 21.9 | 10.5 | 157 | F03 |
| 20 | 3/4" | 100 | 14 | 33.0 | 21.7 | 70 | 230 | 120 | 24.4 | 63 | 27.3 | 13.5 | 157 | F03 |
| 25 | 1" | 100 | 19 | 42.0 | 27.3 | 85 | 279 | 160 | 31.6 | 80 | 34.0 | 13.5 | 188 | F04 |
| 32 | 1" 1/4 | 70 | 25 | 50.0 | 36.0 | 100 | 283 | 160 | 41.4 | 88 | 42.8 | 14.5 | 188 | F04 |
| 40 | 1" 1/2 | 70 | 32 | 56.0 | 41.9 | 110 | 323 | 190 | 48.2 | 104 | 48.9 | 16.0 | 212 | F05 |
| 50 | 2" | 50 | 38 | 69.0 | 53.1 | 125 | 328 | 190 | 56.2 | 117 | 61.3 | 17.5 | 212 | F05 |
| 65 | 2" 1/2 | 50 | 50 | 85.0 | 68.9 | 150 | 346 | 230 | 71 | 148 | 77.1 | 19.0 | 209 | F07 |
| N · 通径/ Full bore | | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 19.6 | 11.1 | 65 | 227 | 120 | 20.4 | 56 | 14.3 | 10.5 | 157 | F03 |
| 12 | 3/8" | 100 | 11.1 | 24.0 | 12.6 | 65 | 227 | 120 | 20.4 | 56 | 17.8 | 10.5 | 157 | F03 |
| 15 | 1/2" | 100 | 14 | 29.0 | 16.1 | 70 | 230 | 120 | 24.4 | 63 | 21.9 | 10.5 | 157 | F03 |
| 20 | 3/4" | 100 | 19 | 34.3 | 21.7 | 85 | 279 | 160 | 31.6 | 80 | 27.3 | 13.5 | 188 | F04 |
| 25 | 1" | 70 | 25 | 41.0 | 27.3 | 100 | 283 | 160 | 41.4 | 88 | 34.0 | 13.5 | 188 | F04 |
| 32 | 1" 1/4 | 70 | 32 | 49.8 | 36.0 | 110 | 323 | 190 | 48.2 | 104 | 42.8 | 14.5 | 212 | F05 |
| 40 | 1" 1/2 | 50 | 38 | 55.9 | 41.9 | 125 | 328 | 190 | 56.2 | 117 | 48.9 | 16.0 | 212 | F05 |
| 50 | 2" | 50 | 50 | 69.2 | 53.1 | 150 | 346 | 230 | 71 | 148 | 61.3 | 17.5 | 209 | F07 |

PY4CY

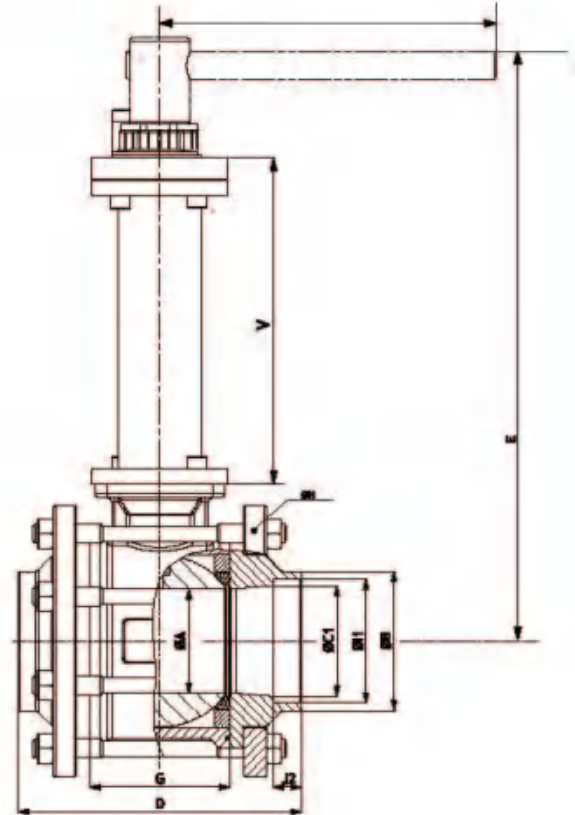
承插焊 / Socket Weld

DN 80 到 DN 150 / Size 3" to 8"
缩径 / Reduced bore



承插焊 / Socket Weld

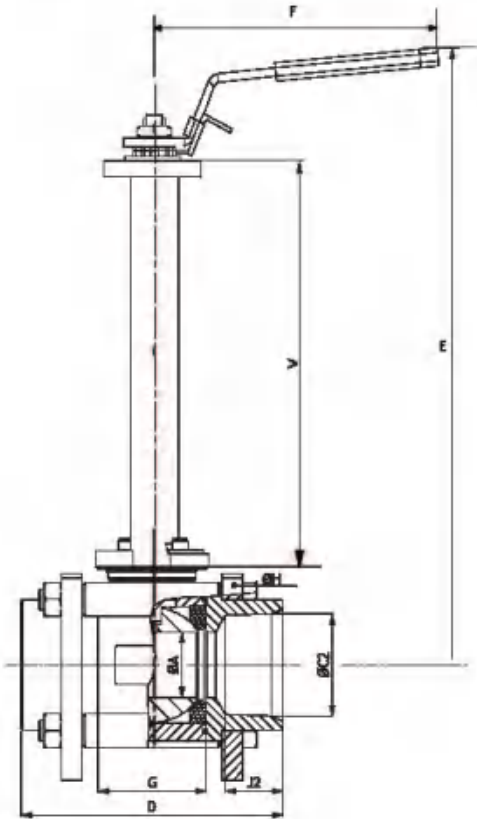
DN 65 到 DN 100 / Size 2"1/2 to 6"
通径 / Full bore



| 尺寸 Size | PN | Ø A | Ø B | Ø C1 | D | E | F | G | Ø H | Ø I1 | J2 | V | ISO 5211 | |
|------------------------------|-------|-----|-----|-------|-------|-----|-----|-----|-----|------|-------|----|-------------|-----|
| V • 缩径 / Reduced bore | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 101 | 81 | 180 | 385 | 370 | 84 | 174 | 89.9 | 21 | 214 | F07 |
| 100 | 4" | 40 | 76 | 125 | 105.3 | 210 | 398 | 440 | 104 | 197 | 115.5 | 21 | 216 | F10 |
| 125 | 5" | 25 | 100 | 148.5 | 135 | 230 | 420 | 505 | 130 | 236 | 141.3 | 24 | 216 | F10 |
| 150 | 6" | 25 | 100 | 177.5 | 164 | 230 | 420 | 505 | 130 | 236 | 171.3 | 24 | 216 | F10 |
| N • 通径 / Full bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 87 | 69 | 180 | 171 | 370 | 84 | 174 | 77.6 | 19 | 214 | F07 |
| 80 | 3" | 40 | 76 | 101 | 81 | 210 | 182 | 440 | 104 | 197 | 89.9 | 21 | 216 | F10 |
| 100 | 4" | 25 | 100 | 127.5 | 105.3 | 230 | 204 | 505 | 130 | 236 | 115.5 | 21 | 214 | F10 |

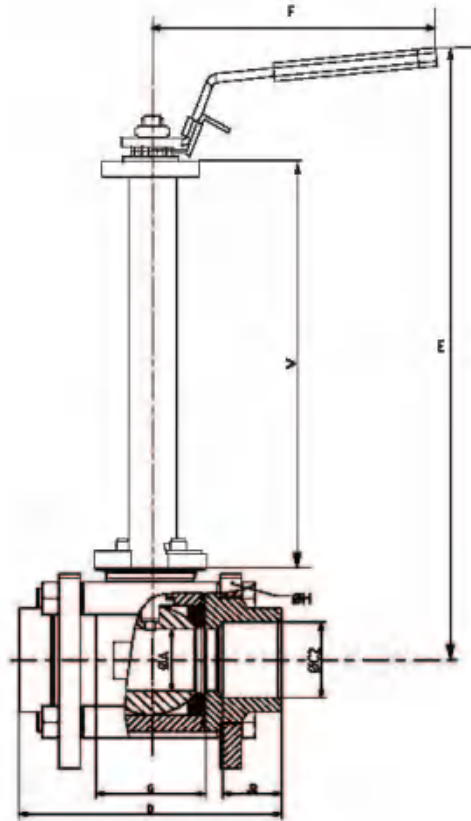
BSP (TG) & NPT (TB) 螺纹连接

DN 15 到 DN 65/Size 1/2" to 2 1/2"
缩径/Reduced bore



BSP (TG) & NPT (TB) thread

DN 08 到 DN 50/ Size 1/4" to 2"
通径/Full bore



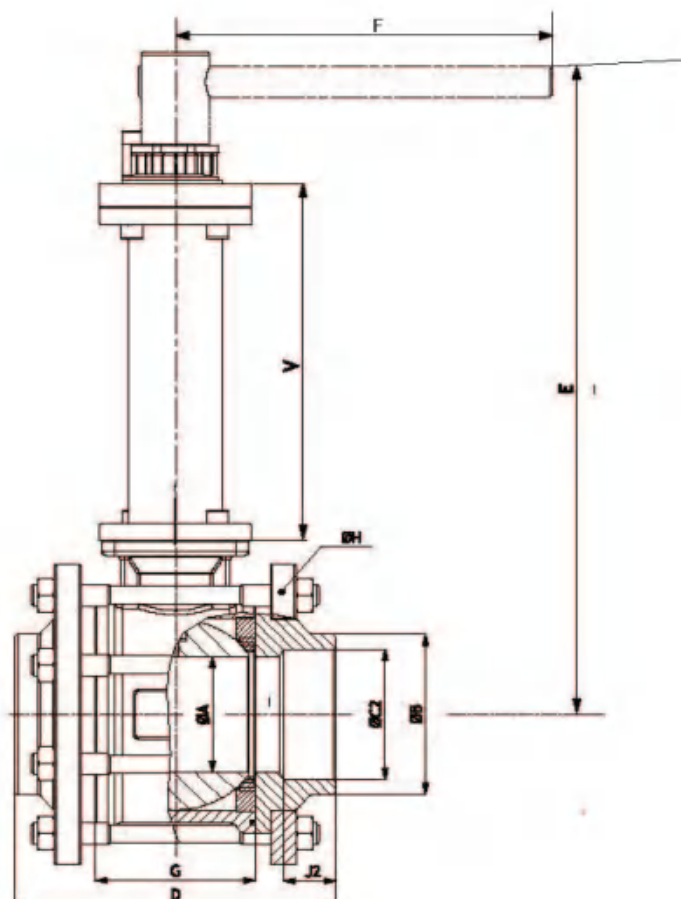
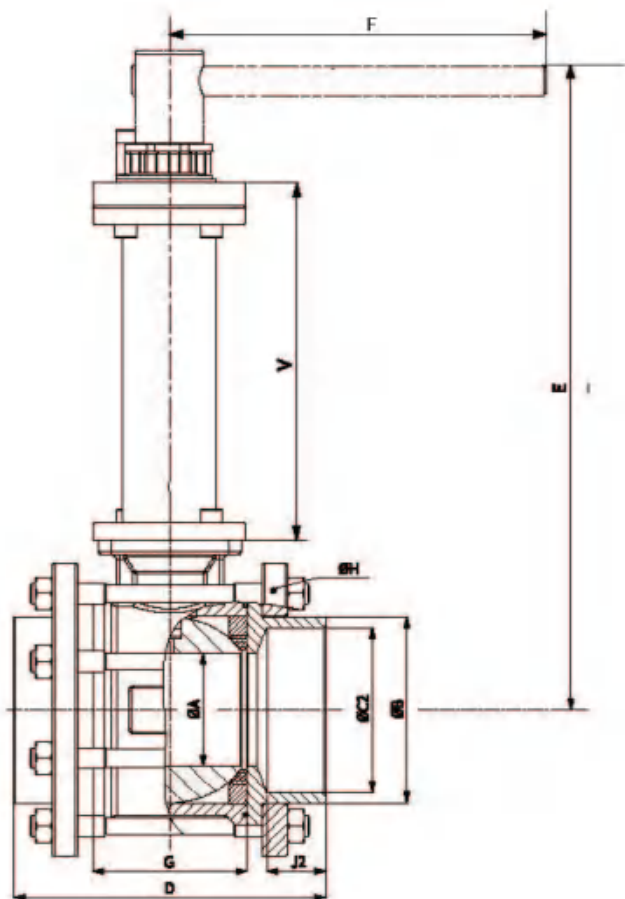
| 尺寸 Size | PN | Ø A | Ø C2 | | D | E | F | G | Ø H | J2 | V | ISO 5211 | |
|-----------------------|--------|-----|----------------|------------|--------|-----|-----|-----|------|-----|----|-------------|-----|
| | | | GAZ BSP "P" | NPT NPT | | | | | | | | | |
| V = 缩径 / Reduced bore | | | | | | | | | | | | | |
| 15 | 1/2" | 100 | 11.1 | 1/2" | 1/2" | 65 | 227 | 120 | 20.4 | 56 | 16 | 157 | F03 |
| 20 | 3/4" | 100 | 14 | 3/4" | 3/4" | 70 | 230 | 120 | 24.4 | 63 | 16 | 157 | F03 |
| 25 | 1" | 100 | 19 | 1" | 1" | 85 | 279 | 160 | 31.6 | 80 | 20 | 188 | F04 |
| 32 | 1 1/4" | 70 | 25 | 1 1/4" | 1 1/4" | 100 | 283 | 160 | 41.4 | 88 | 22 | 188 | F04 |
| 40 | 1 1/2" | 70 | 32 | 1 1/2" | 1 1/2" | 110 | 323 | 190 | 48.2 | 104 | 22 | 212 | F05 |
| 50 | 2" | 50 | 38 | 2" | 2" | 125 | 328 | 190 | 56.2 | 117 | 25 | 212 | F05 |
| 65 | 2 1/2" | 50 | 50 | 2 1/2" | 2 1/2" | 150 | 346 | 346 | 71 | 148 | 30 | 209 | F07 |
| N = 通径 / Full bore | | | | | | | | | | | | | |
| 08 | 1/4" | 100 | 11.1 | 1/4" | 1/4" | 65 | 227 | 227 | 20.4 | 56 | 12 | 157 | F03 |
| 12 | 3/8" | 100 | 11.1 | 3/8" | 3/8" | 65 | 227 | 227 | 20.4 | 56 | 12 | 157 | F03 |
| 15 | 1/2" | 100 | 14 | 1/2" | 1/2" | 70 | 230 | 230 | 24.4 | 63 | 16 | 157 | F03 |
| 20 | 3/4" | 100 | 19 | 3/4" | 3/4" | 85 | 279 | 279 | 31.6 | 80 | 16 | 188 | F04 |
| 25 | 1" | 70 | 25 | 1" | 1" | 100 | 283 | 283 | 41.4 | 88 | 20 | 188 | F04 |
| 32 | 1 1/4" | 70 | 32 | 1 1/4" | 1 1/4" | 110 | 323 | 323 | 48.2 | 104 | 22 | 212 | F05 |
| 40 | 1 1/2" | 50 | 38 | 1 1/2" | 1 1/2" | 125 | 328 | 328 | 56.2 | 117 | 22 | 212 | F05 |
| 50 | 2" | 50 | 50 | 2" | 2" | 150 | 346 | 346 | 71 | 148 | 25 | 209 | F07 |

BSP (TG) & NPT (TB) 螺纹连接

DN 80 到 DN 100/Size 3" to 4"
缩径/Reduced bore

BSP (TG) & NPT (TB) thread

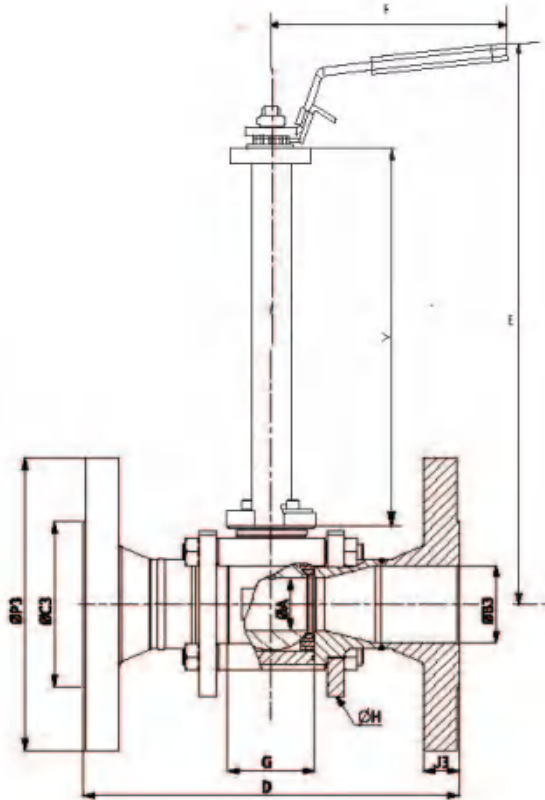
DN 65 到 DN 100/Size 2"1/2 to 4"
通径/Full bore



| 尺寸 Size | PN | Ø A | Ø B | GAZ BSP "P" | NPT NPT | D | E | F | G | Ø H | J2 | V | ISO 5211 | |
|-----------------------|-------|-----|-----|----------------|------------|-------|-----|-----|-----|-----|-----|----|-------------|-----|
| V - 缩径 / Reduced bore | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 107 | 3" | 3" | 180 | 385 | 370 | 84 | 174 | 34 | 214 | F07 |
| 100 | 4" | 40 | 76 | 125 | 4" | 4" | 210 | 398 | 440 | 104 | 197 | 40 | 216 | F10 |
| N - 通径 / Full bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 85 | 2"1/2 | 2"1/2 | 180 | 385 | 370 | 84 | 174 | 31 | 214 | F07 |
| 80 | 3" | 40 | 76 | 105 | 3" | 3" | 210 | 398 | 440 | 104 | 197 | 34 | 216 | F10 |
| 100 | 4" | 25 | 100 | 130 | 4" | 4" | 230 | 420 | 505 | 130 | 236 | 40 | 216 | F10 |

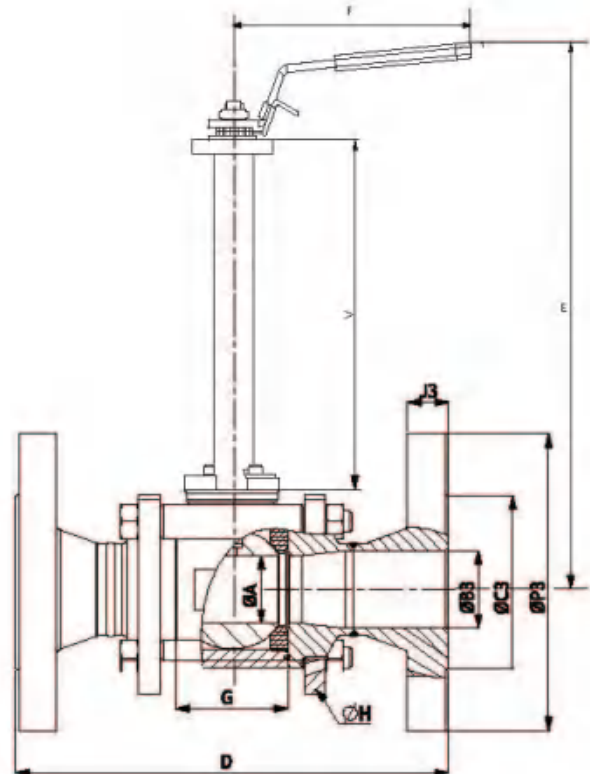
法兰连接

DN 15 到 DN 65/Size 1/2" to 2 1/2"
缩径/Reduced bore



Flanged

DN 15 到 DN 50/Size 1/2" to 2"
通径/Full bore



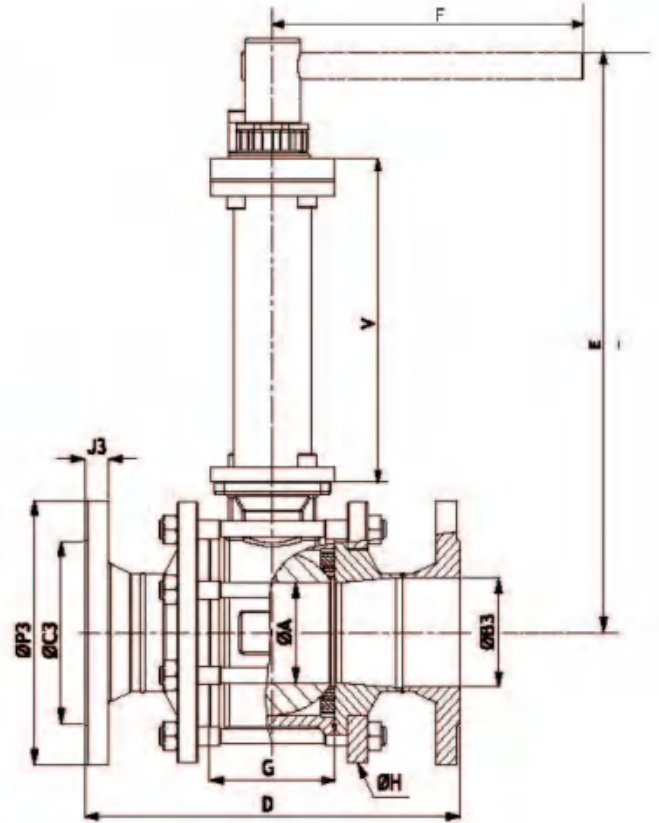
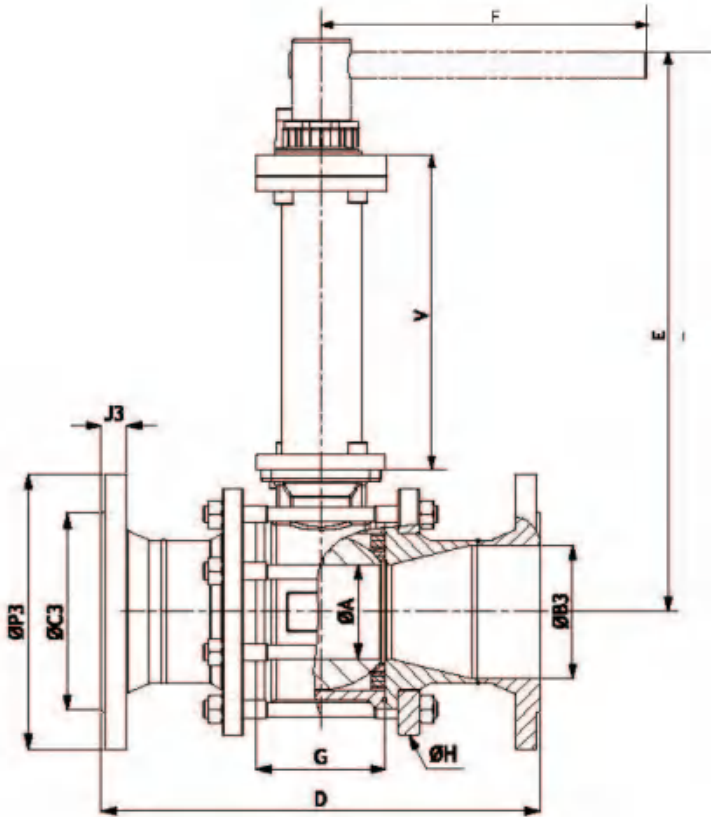
| 尺寸 Size | PN | Ø A | Ø B3 | Ø C3 | D | E | F | G | Ø H | J3 | O3 | Ø P3 | V | ISO 5211 | |
|----------------------|--------|-----|------|------|-----|-----|-----|-----|------|-----|----|--------------|-----|-------------|-----|
| V *缩径 / Reduced bore | | | | | | | | | | | | | | | |
| 15 | 1/2" | 40 | 11.1 | 17.3 | 45 | 130 | 280 | 120 | 20.4 | 56 | 16 | 4xØ14 / Ø65 | 95 | 157 | F03 |
| 20 | 3/4" | 40 | 14 | 22.3 | 58 | 150 | 283 | 120 | 24.4 | 63 | 18 | 4xØ14 / Ø75 | 105 | 157 | F03 |
| 25 | 1" | 40 | 19 | 28.5 | 68 | 160 | 333 | 160 | 31.6 | 80 | 18 | 4xØ14 / Ø85 | 115 | 188 | F04 |
| 32 | 1 1/4" | 40 | 25 | 37.2 | 78 | 180 | 337 | 160 | 41.4 | 88 | 18 | 4xØ18 / Ø100 | 140 | 188 | F04 |
| 40 | 1 1/2" | 40 | 32 | 43.1 | 88 | 200 | 372 | 190 | 48.2 | 104 | 18 | 4xØ18 / Ø110 | 150 | 212 | F05 |
| 50 | 2" | 40 | 38 | 54.5 | 102 | 230 | 377 | 190 | 56.2 | 117 | 20 | 4xØ18 / Ø125 | 165 | 212 | F05 |
| 65 | 2 1/2" | 40 | 50 | 70.3 | 122 | 290 | 389 | 230 | 71 | 148 | 22 | 8xØ18 / Ø145 | 185 | 209 | F07 |
| F *通径 / Full bore | | | | | | | | | | | | | | | |
| 15 | 1/2" | 40 | 14 | 17.3 | 45 | 130 | 283 | 120 | 24.4 | 63 | 16 | 4xØ14 / Ø65 | 95 | 157 | F03 |
| 20 | 3/4" | 40 | 19 | 22.3 | 58 | 150 | 333 | 160 | 31.6 | 80 | 18 | 4xØ14 / Ø75 | 105 | 188 | F04 |
| 25 | 1" | 40 | 25 | 28.5 | 68 | 160 | 337 | 160 | 41.4 | 88 | 18 | 4xØ14 / Ø85 | 115 | 188 | F04 |
| 32 | 1 1/4" | 40 | 32 | 37.2 | 78 | 180 | 372 | 190 | 48.2 | 104 | 18 | 4xØ18 / Ø100 | 140 | 212 | F05 |
| 40 | 1 1/2" | 40 | 38 | 43.1 | 88 | 200 | 377 | 190 | 56.2 | 117 | 18 | 4xØ18 / Ø110 | 150 | 212 | F05 |
| 50 | 2" | 40 | 50 | 54.5 | 102 | 230 | 389 | 230 | 71 | 148 | 20 | 4xØ18 / Ø125 | 165 | 209 | F07 |

法兰连接

DN 80 到 DN 125 / Size 3" to 5"
缩径 / Reduced bore

Flanged

DN 65 到 DN 100 / Size 2"1/2 to 4"
通径 / Full bore



| 尺寸 Size | PN | Ø A | Ø B3 | Ø C3 | D | E | F | G | Ø H | J3 | O3 | P3 | V | ISO 5211 | |
|-----------------------|-------|-----|------|-------|-----|-----|-----|-----|-----|-----|----|--------------|-----|-------------|-----|
| V - 缩径 / Reduced bore | | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 82.5 | 138 | 310 | 385 | 370 | 84 | 174 | 24 | 8xØ18 / Ø160 | 200 | 214 | F07 |
| 100 | 4" | 16 | 76 | 107.1 | 162 | 350 | 398 | 440 | 104 | 197 | 24 | 8xØ22 / Ø190 | 235 | 216 | F10 |
| 125 | 5" | 16 | 100 | 131.7 | 188 | 400 | 204 | 420 | 130 | 236 | 22 | 8xØ18 / Ø210 | 250 | 216 | F10 |
| H - 通径 / Full bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 70.3 | 122 | 290 | 171 | 370 | 84 | 174 | 22 | 8xØ18 / Ø145 | 185 | 214 | F07 |
| 80 | 3" | 40 | 76 | 82.5 | 138 | 310 | 182 | 440 | 104 | 197 | 24 | 8xØ18 / Ø160 | 200 | 216 | F10 |
| 100 | 4" | 16 | 100 | 107.1 | 162 | 350 | 204 | 505 | 130 | 236 | 24 | 8xØ22 / Ø190 | 235 | 216 | F10 |

DN08到DN50 (Size 1/4" to 2")

PY4CY单作用气动执行器型号 *Spring Return type on PY4CY*

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | ISO 3 | T | U | U1 | V1 | V | W | X | Y | Z | |
|-----------------|--------------------|----|--------|-------------------|---------------|-------|-----|-----|-----|------|------|-------|-------|-----|-------|-----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | | |
| 8-12 | 1/4"-3/8" | 15 | 1/2" | 27.5 F03 | 2MICA-045SR12 | F03 | F05 | 146 | 58 | 29 | 47 | 157 | 326.5 | 62 | 65 | 50 |
| 15 | 1/2" | 20 | 3/4" | 31 F03 | 2MICA-063SR12 | F03 | F05 | 168 | 72 | 36 | 47 | 157 | 353 | 62 | 88 | 50 |
| 20 | 3/4" | 25 | 1" | 37.9 F04 | 2MICA-063SR12 | F04 | F05 | 168 | 72 | 36 | 49.5 | 188 | 393.4 | 62 | 88 | 50 |
| 25 | 1" | 32 | 1 1/4" | 42 F04 | 2MICA-083SR12 | F04 | F07 | 204 | 90 | 45 | 49.5 | 188 | 418.5 | 82 | 109 | 69 |
| 32 | 1 1/4" | 40 | 1 1/2" | 54 F05 | 2MICA-105SR12 | F05 | F10 | 268 | 115 | 57.5 | 49.5 | 211.5 | 478 | 120 | 133 | 105 |
| 40 | 1 1/2" | 50 | 2" | 59 F05 | 2MICA-125SR12 | F05 | F10 | 298 | 140 | 70 | 49.5 | 211.5 | 505 | 120 | 155 | 105 |
| 50 | 2" | 65 | 2 1/2" | 75 F07 | 2MICA-140SR12 | F07 | F12 | 390 | 152 | 76 | 79.5 | 208 | 562 | 152 | 171.5 | 120 |

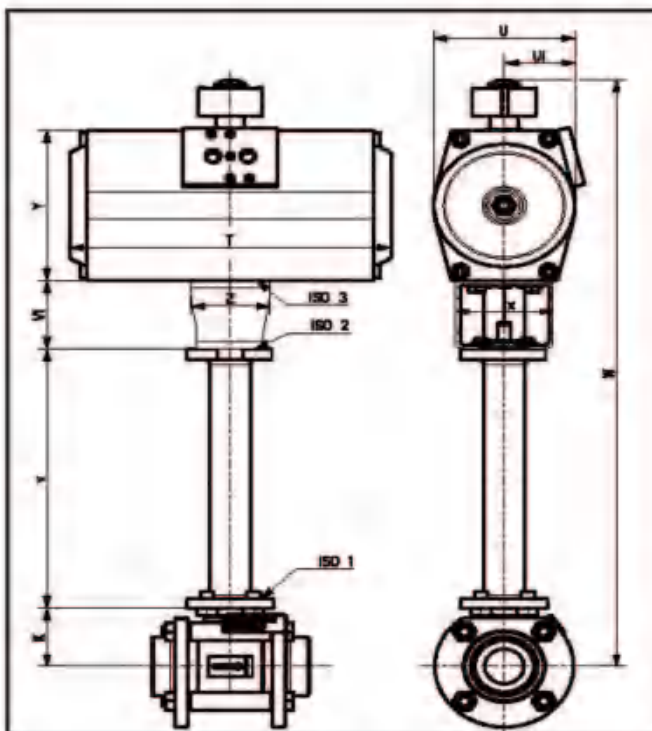
以上数据基于：阀门上下游压差最大值 $\Delta P=40$ bar，气源压力为 6 bar。/ Values given for service pressure at: $\Delta P=40$ bar max and 6 bar air supply

PY4CY

PY4CY双作用气动执行器型号 *Double Acting type on PY4CY*

| 尺寸 / Size | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | ISO 3 | T | U | U1 | V1 | V | W | X | Y | Z | |
|-----------------|--------------------|----|--------|-------------------|-------------|-------|-----|-----|-----|------|------|-------|-------|-----|-----|-----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | | |
| 8-12 | 1/4"-3/8" | 15 | 1/2" | 27.5 F05 | 2MICA-045DA | F05 | F05 | 146 | 58 | 29 | 47 | 157 | 326.5 | 62 | 65 | 50 |
| 15 | 1/2" | 20 | 3/4" | 31 F05 | 2MICA-045DA | F05 | F05 | 146 | 58 | 29 | 47 | 157 | 330 | 62 | 65 | 50 |
| 20 | 3/4" | 25 | 1" | 37.9 F04 | 2MICA-045DA | F04 | F05 | 146 | 58 | 29 | 49.5 | 188 | 370.4 | 62 | 65 | 50 |
| 25 | 1" | 32 | 1 1/4" | 42 F04 | 2MICA-063DA | F04 | F05 | 168 | 72 | 36 | 49.5 | 188 | 397.5 | 62 | 88 | 50 |
| 32 | 1 1/4" | 40 | 1 1/2" | 54 F05 | 2MICA-075DA | F05 | F05 | 184 | 83 | 41.5 | 49.5 | 211.5 | 445 | 62 | 100 | 50 |
| 40 | 1 1/2" | 50 | 2" | 59 F05 | 2MICA-083DA | F05 | F05 | 204 | 90 | 45 | 49.5 | 211.5 | 459 | 82 | 109 | 69 |
| 50 | 2" | 65 | 2 1/2" | 75 F07 | 2MICA-105DA | F07 | F07 | 268 | 115 | 57.5 | 79.5 | 208 | 523.5 | 120 | 133 | 105 |

以上数据基于：阀门上下游压差最大值 $\Delta P=40$ bar，气源压力为 6 bar。/ Values given for service pressure at: $\Delta P=40$ bar max and 6 bar air supply



PY4CY $\Delta P=40$ bar

| 尺寸 Size | 气源压力 Air supply pressure | 双作用 / Double acting 编号 / Code | 单作用 / Spring return 编号 / Code |
|------------------|-----------------------------|----------------------------------|----------------------------------|
| 10 (8-12) F03 | 6 | 2MICA-045DA KPN1410 0511 | 2MICA-045SR12 KPN1410 0511 |
| 15 F03 | 6 | 2MICA-045DA KPN1410 0511 | 2MICA-063SR12 KPN1410 0514 |
| 20 F04 | 6 | 2MICA-045DA KPN1420 0511 | 2MICA-063SR12 KPN1420 0514 |
| 25 F04 | 6 | 2MICA-063DA KPN1420 0514 | 2MICA-083SR12 KPN1420 0717 |
| 32 F05 | 6 | 2MICA-075DA KPN1432 0514 | 2MICA-105SR12 KPN1432 1022 |
| 40 F05 | 6 | 2MICA-083DA KPN1432 0717 | 2MICA-125SR12 KPN1432 1022 |
| 50 F07 | 6 | 2MICA-105DA KPN1450 1022 | 2MICA-140SR12 KPN1450 1227 |

DN65到DN100 (Size 2"1/2 to 4")

PY4CY单作用气动执行器型号 *Spring Return type on PY4CY*

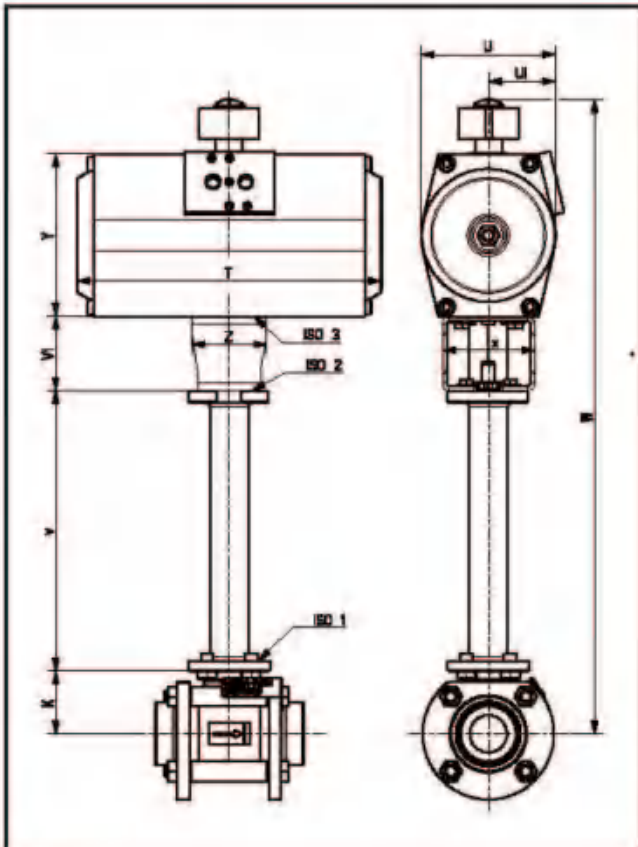
| 尺寸 / Size | | | | K | ISO 1 | 缩径 Reduced Bore | ISO 2 | ISO 3 | T | U | U1 | V | V1 | W | X | Y | Z |
|-----------------|-------|--------------------|----|-----|-------|--------------------|-------|-------|-----|-----|-----|-----|------|-------|-----|-------|-----|
| 通径 Full Bore | | 缩径 Reduced Bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | | F07 | 2MICA-140SR12 | F07 | F12 | 390 | 152 | 76 | 214 | 79.5 | 599 | 132 | 171.5 | 120 |
| 80 | 3" | 100 | 4" | 114 | F10 | 2MICA-140SR12 | F10 | F12 | 390 | 152 | 76 | 216 | 79.5 | 611 | 136 | 171.5 | 118 |
| 100 | 4" | 125 | 5" | 133 | F10 | 2MICA-190SR12 | F10 | F14 | 525 | 206 | 103 | 216 | 79.5 | 688.5 | 158 | 230 | 140 |

以上数据基于：阀门上下游压差最大值 $\Delta P=10\text{ bar}$ ，气源压力为 6 bar。/ Values given for service pressure at: $\Delta P=10\text{ bar max}$ and 6 bar air supply

PY4CY双作用气动执行器型号 *Double Acting type on PY4CY*

| 尺寸 / Size | | | | K | ISO 1 | 缩径 Reduced Bore | ISO 2 | ISO 3 | T | U | U1 | V | V1 | W | X | Y | Z |
|-----------------|-------|--------------------|----|-----|-------|--------------------|-------|-------|-----|-----|------|-----|------|-------|-----|-----|-----|
| 通径 Full Bore | | 缩径 Reduced Bore | | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | 104 | F07 | 2MICA-105DA | F07 | F10 | 268 | 115 | 57.5 | 214 | 79.5 | 560.5 | 120 | 133 | 105 |
| 80 | 3" | 100 | 4" | 114 | F10 | 2MICA-105DA | F10 | F10 | 268 | 115 | 57.5 | 216 | 79.5 | 572.5 | 120 | 133 | 95 |
| 100 | 4" | 125 | 5" | 133 | F10 | 2MICA-125DA | F10 | F10 | 298 | 140 | 70 | 216 | 79.5 | 613.5 | 120 | 155 | 95 |

以上数据基于：阀门上下游压差最大值 $\Delta P=10\text{ bar}$ ，气源压力为 6 bar。/ Values given for service pressure at: $\Delta P=10\text{ bar max}$ and 6 bar air supply



PY4CY $\Delta P=10\text{ bar}$

| 尺寸 Size | 气源压力 Air supply pressure | 双作用 / Double acting 编号 / Code | 单作用 / Spring return 编号 / Code |
|------------|-----------------------------|----------------------------------|----------------------------------|
| 65 F07 | 6 | 2MICA-105DA KPNI2P065 1022 | 2MICA-140SR12 KPNI2P065 1227 |
| 80 F10 | 6 | 2MICA-105DA KPNI2P080 1022 | 2MICA-140SR12 KPNI2P080 1227 |
| 100 F10 | 6 | 2MICA-125DA KPNI2P100 1022 | 2MICA-190SR12 KPNI2P100 1436 |

用于液氧 / PY4CY

对焊连接端 BW
 阀座材质:
 PTFE (聚四氟乙烯) + 碳
 带上游泄压孔
 用于在阀门关闭位置时的
 阀腔泄压
 氧清洁 (脱脂处理)
 采用单独的塑料袋封装



Liquid oxygen application / PY4CY

Butt Welding ends BW
 Seats material:
 PTFE + Carbon
 Upstream vent hole
 for cavity relief in
 the closed position
 Cleaned, O₂ degreased
 and packed in individual
 plastic bag



用于氧气 PS4

对焊连接端 BW
 阀座材质:
 TFM 1600
 氧清洁 (脱脂处理)
 采用单独的塑料袋包装



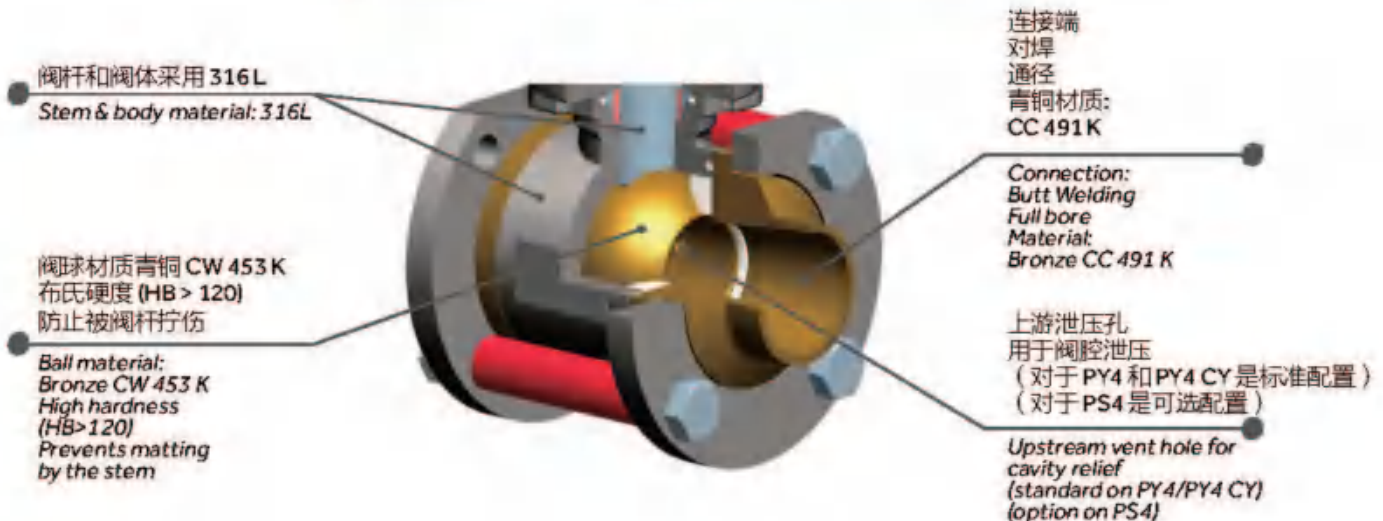
Gas oxygen application / PS4

Butt Welding ends BW
 Seats material:
 TFM1600
 Cleaned, O₂ degreased
 and packed in
 individual plastic bag



PY4CY

技术参数 PY4CY / PS4 Technical data PY4CY / PS4



技术参数

MY4CY和MY4CY防火: TF3215阀座

(聚四氟乙烯+碳) 温度范围: -200°C/+200°C

带有延长阀杆的版本, 应用于阀门外部会有凝冰的情况。

316L, 904L, 304L, C22合金材质

在球阀与阀杆连接处钻孔, 用于在阀门开启时的阀腔泻压。而上游泄压孔的设置是为了阀门在关闭位置时增大阀体及球阀内泄压。

MY4CY: 延长阀杆所产生的低温气体缓冲区, 可以避免出现冻结状况, 保证阀门能够轻松操作。

认证:

功能性符合EN1626/-196°C

PY4CY防火设计标准: EN12567, ISO10497, API607以及API6FA

PED 97/23/EC

TA-Luft(逃逸泄露)

AD2000 Merkblatt

可选项:

ATEX94/9/EC

遵照2010/35/UE TPED认证打上π标识

ADR§1.8.7.6认证

Technical data

PY4 CY and PY4 CY fire safe: TF 3215 seats

(PTFE + Carbon). Temperature range: -200°C / +200°C

Version with extension for applications with icing risk.

316L, 904L, 304L, Alloy 22 version.

Ball drilling in the stem mark for cavity relief in the open position.

Upstream vent hole for cavity relief in the closed position.

MY4 CY: Stem extension avoids any stem freezing and allows easy valve operation.

Approvals:

Functionnal EN1626/-196°C

PY4 CY Fire Safe design: EN12567, ISO10497, API607 and API6FA

PED 97/23/CE

TA-Luft (fugitive emissions)

AD2000 Merkblatt

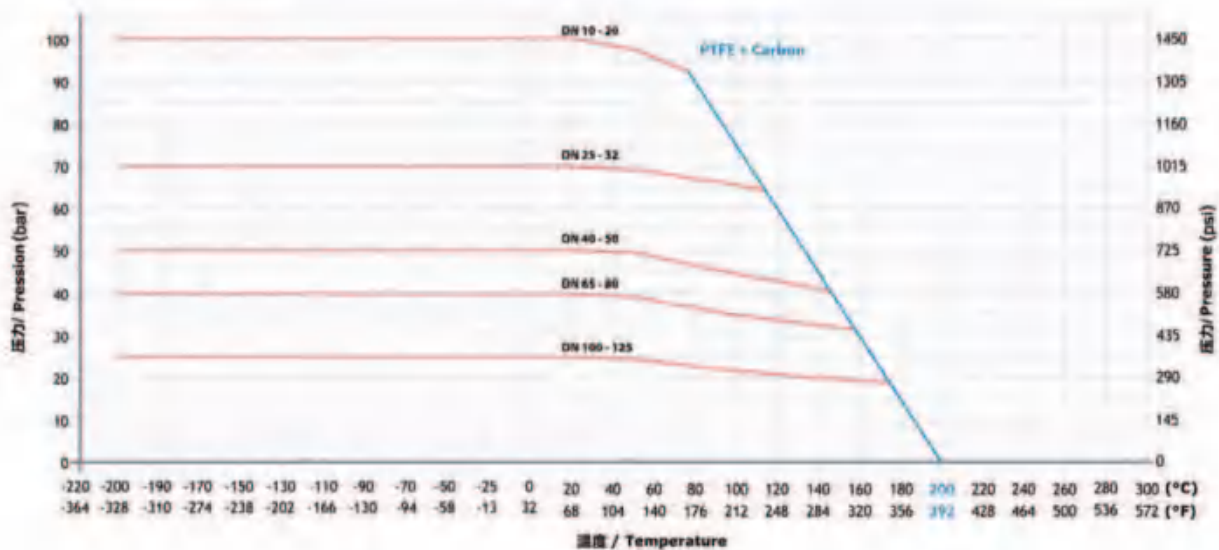
Options:

ATEX 94/9/CE

π marking according to 2010/35/UE TPED:

certification ADR §1.8.7.6

压力/温度图 Pressure/Temperature diagrams



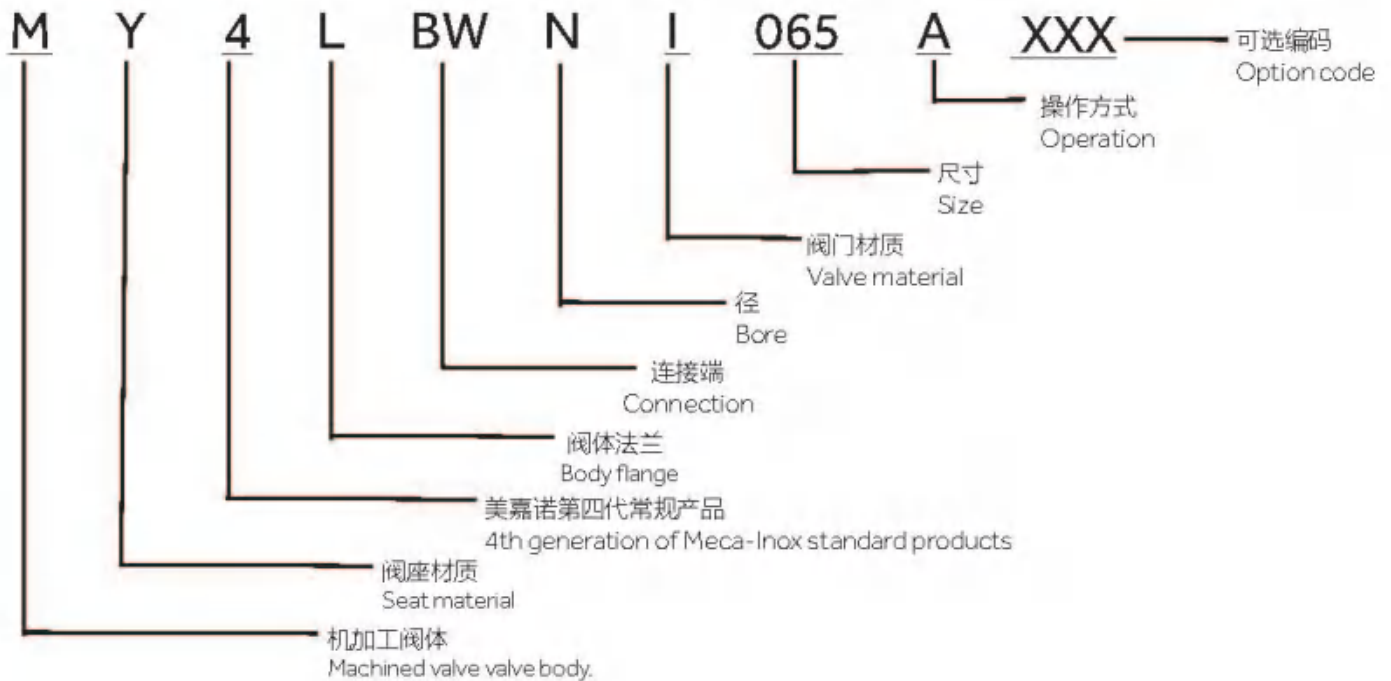
--- 阀体的机械强度
— 阀门正常操作的最大压差

所以数据基于阀门的口径尺寸

--- mechanical strength of body
— mechanical strength of seats

All values are given for full bore size.

MY4CY



编码 | CODIFICATION

| 阀座 Seat | 阀体法兰 Body flange | 连接端 Connection | 径 Bore | 尺寸 Size | 材质 Material | 操作方式 Operation |
|------------|---------------------------|-----------------------------|--------------------------|--------------------|--------------------------------------|-------------------------------|
| TF3215 | L 活套法兰形式 Loose ends | BW 对焊 Butt Welding | N 通径 Full bore | DN15 DN100 | I 316L | A 手动操作 Manual operation |
| | F 固定法兰形式 Fixed ends | SW 承插焊 Socket Welding | V 缩径 Reduced bore | | C 双相不锈钢 Duplex 1.4152 | L 气动/电动 Manual/Electric |
| | | OR | T 全通径 True bore | | D 超级双相不锈钢 Super Duplex 1.4410 | O 光杆 Bare stem |
| | | RF | S 反径 Inverted bore | | U 不锈钢904L Stainless steel 904L | |
| | | | | | H 哈氏合金 C22 Hastelloy C22 | |
| | | | 可定制 Customized | | 可定制 Customized | |

注释:
关于可选编码XXX:
- 阀球上游泄压孔-PG;
- 防火-SF;
- 附件(限位开关/电磁阀等)...

Remark:
About option code XXX:
- Ball upstream vent hole -PG;
- Fire safe-SF;
- Accessories (limit switch/solenoid valve, etc.)

MY4CY 防火设计

DN 25 到 DN50

MY4CY Fire safe

Size 1 " to 2"



功能性符合 EN1626/-196°C

Functionnal EN1626/-196°C

| 编号 Item | 数量 Qty | 描述 Description | 材质 Material (EN) |
|------------|-----------|-------------------|---------------------|
| 03 | 1 | 阀体 | 1.4404 |
| 04 | 1 | 阀杆密封 | PTFE 20 % PEEK |
| 06 | 2 | 填料 | 33%C+2%Gr PTFE |
| 07 | 4 | 弹簧垫片 | 1.4310 |
| 08 | 2 | 阀座 | PTFE+Carbon |
| 09 | 1 | 阀球 | 1.4409 |
| 10 | 2 | 连接端 | 1.4404 |
| 13 | 8 | 螺栓 | 1.4301 |
| 14 | 2 | 阀体密封 | 石墨 |
| 15 | 1 | 手柄 | 1.4301 |
| 18 | 2 | 压盖螺母 | 1.4404 |
| 16 | 1 | 止动栓垫片 | 1.4307 |
| 24 | 2 | 填料压盖 | 1.4404 |
| 27 | 1 | 带颜色的塑料手柄套 (可选) | PTFE |
| 28 | 2 | 螺母止动片 | 1.4307 |
| 63 | 1 | 延长套筒 | 1.4307 |
| 64 | 1 | 密封垫片 | PTFE |
| 65 | 1 | 阀杆 | 1.4404 |
| 66 | 1 | 开口衬套 | PTFE |

| 编号 Item | 数量 Qty | 描述 Description | 材质 Material (EN) |
|------------|-----------|-----------------------------|---------------------|
| 03 | 1 | Body | 1.4404 |
| 04 | 1 | Steam trust seal | PTFE 20 % PEEK |
| 06 | 2 | Gland packing | 33%C+2%Gr PTFE |
| 07 | 2 | Spring washers | 1.4310 |
| 08 | 2 | Ball seat | PTFE+Carbon |
| 09 | 1 | Ball seat | 1.4409 |
| 10 | 2 | Loose end | 1.4404 |
| 13 | 8 | Screw | 1.4301 |
| 14 | 2 | Body seal | Graphite |
| 15 | 1 | Handle standard | 1.4301 |
| 18 | 2 | Nut gland | 1.4404 |
| 16 | 1 | Screw stop | 1.4307 |
| 24 | 2 | Packing | 1.4404 |
| 27 | 1 | Color plastic cover(option) | PTFE |
| 28 | 2 | Stop nut gland | 1.4307 |
| 63 | 1 | Extension's body | 1.4307 |
| 64 | 1 | Flat seal | PTFE |
| 65 | 1 | Stem | 1.4404 |
| 66 | 1 | Split ring | PTFE |

MY4CY

MY4 CY

DN 65 到 DN100

MY4 CY

Size 2" 1/2 to 4"



功能性符合 EN1626/-196°C

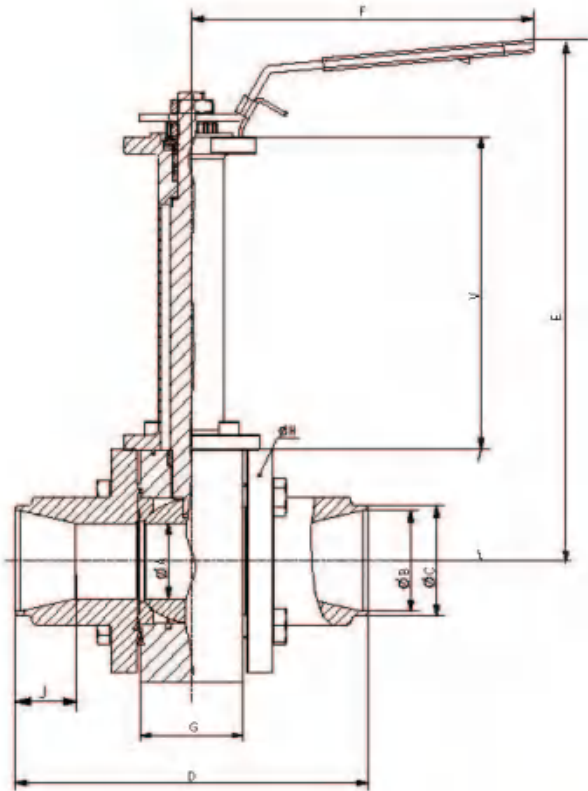
Functionnal EN1626/-196°C

| 编号 Item | 数量 Qty | 描述 Description | 材质 (EN) Material |
|------------|-----------|-------------------|---------------------|
| 03 | 1 | 阀体 | 1.4404 |
| 04 | 1 | 阀杆密封 | PTFE 20% PEEK |
| 06 | 2 | 填料 | 33%C+2%Gr PTFE |
| 07 | 4 | 弹簧垫片 | 1.4310 |
| 08 | 2 | 阀座 | PTFE+Carbon |
| 09 | 1 | 阀球 | 1.4409 |
| 10 | 2 | 连接端 | 1.4404 |
| 13 | 8 | 螺栓 | 1.4301 |
| 14 | 2 | 阀体密封 | 石墨 |
| 15 | 1 | 手柄 | 1.4301 |
| 18 | 2 | 压盖螺母 | 1.4404 |
| 24 | 2 | 填料压盖 | 1.4404 |
| 28 | 2 | 螺母止动片 | 1.4307 |
| 63 | 1 | 延长套筒 | 1.4307 |
| 65 | 1 | 阀杆 | 1.4404 |
| 66 | 1 | 开口衬套 | PTFE |

| 编号 Item | 数量 Qty | 描述 Description | 材质 (EN) Material |
|------------|-----------|-------------------|---------------------|
| 03 | 1 | Body | 1.4404 |
| 04 | 1 | Steam trust seal | PTFE 20% PEEK |
| 06 | 2 | Gland packing | 33%C+2%Gr PTFE |
| 07 | 2 | Spring washers | 1.4310 |
| 08 | 2 | Ball seat | PTFE+Carbon |
| 09 | 1 | Ball seat | 1.4409 |
| 10 | 2 | Loose end | 1.4404 |
| 13 | 8 | Screw | 1.4301 |
| 14 | 2 | Body seal | Graphite |
| 15 | 1 | Handle standard | 1.4301 |
| 18 | 2 | Nut gland | 1.4404 |
| 24 | 2 | Packing | 1.4404 |
| 28 | 2 | Stop nut gland | 1.4307 |
| 63 | 1 | Extension's body | 1.4307 |
| 65 | 1 | Stem | 1.4404 |
| 66 | 1 | Split ring | PTFE |

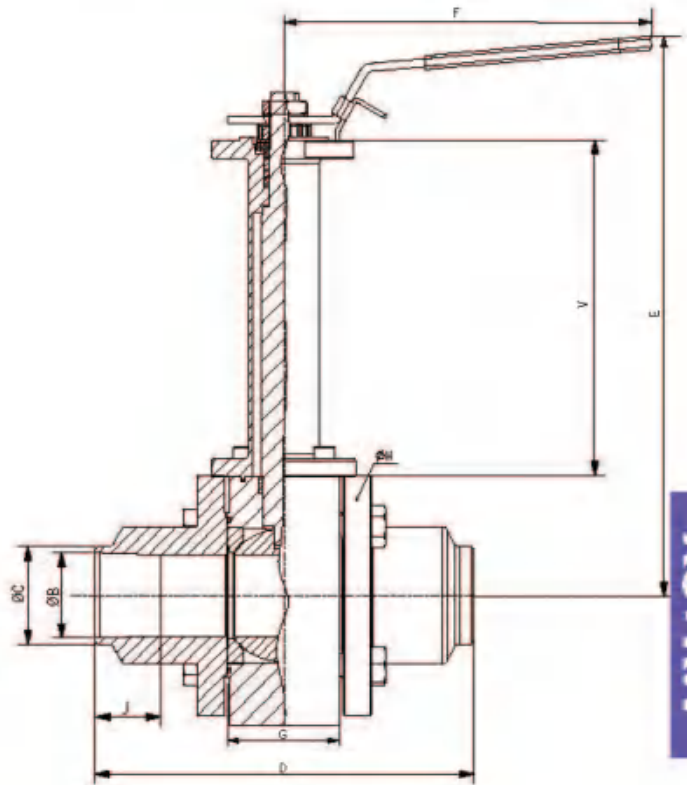
对焊/Butt Weld

DN 32 到 DN 65/Size 1"1/4" to 2"1/2"
缩径/Reduced bore
ISO 管道标准/ISO pipe



对焊/Butt Weld

DN 25 到 DN 50/Size 1" to 2"
通径/Full bore
ISO 管道标准/ISO pipe

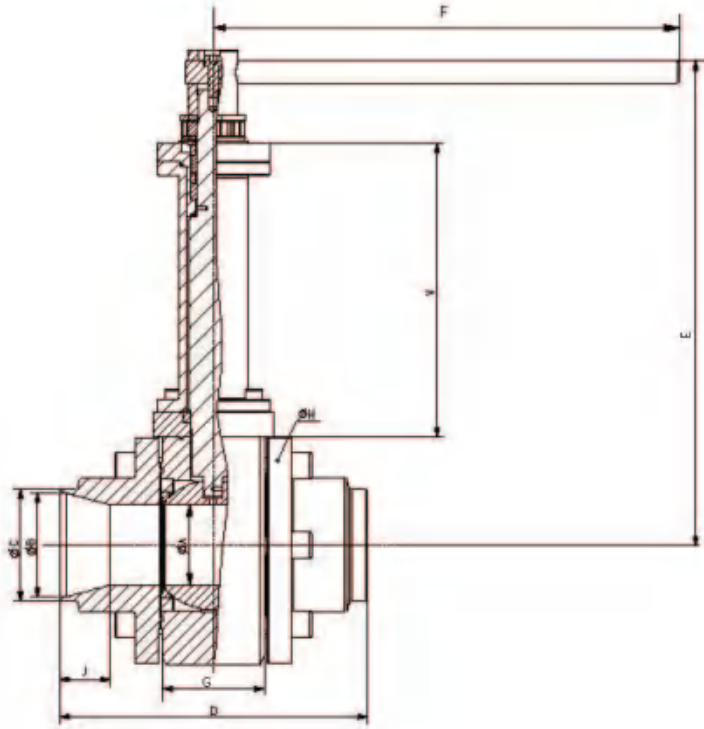


MY4CY

| 尺寸 Size | PN | ØA | ØB | ØC | D | E | F | G | ØH | J | V | ISO 5211 | |
|-----------------------|-------|----|----|------|------|-------|-----|-----|------|-----|----|-------------|-----|
| V • 缩径 / Reduced bore | | | | | | | | | | | | | |
| 32 | 1"1/4 | 70 | 25 | 37.2 | 42.4 | 201.4 | 283 | 160 | 41.4 | 88 | 40 | 188 | F04 |
| 40 | 1"1/2 | 70 | 32 | 43.1 | 48.3 | 208.2 | 323 | 190 | 48.2 | 104 | 40 | 212 | F05 |
| 50 | 2" | 50 | 38 | 54.5 | 60.3 | 216.2 | 328 | 190 | 56.2 | 117 | 40 | 212 | F05 |
| 65 | 2"1/2 | 50 | 50 | 70.3 | 76.1 | 231 | 346 | 230 | 71 | 148 | 40 | 209 | F07 |
| N • 通径 / Full bore | | | | | | | | | | | | | |
| 25 | 1" | 70 | 25 | 29.7 | 33.7 | 201.4 | 283 | 160 | 41.4 | 88 | 40 | 188 | F04 |
| 32 | 1"1/4 | 70 | 32 | 37.2 | 42.4 | 208.2 | 323 | 190 | 48.2 | 104 | 40 | 212 | F05 |
| 40 | 1"1/2 | 50 | 38 | 43.1 | 48.3 | 216.2 | 328 | 190 | 56.2 | 117 | 40 | 212 | F05 |
| 50 | 2" | 50 | 50 | 54.5 | 60.3 | 231 | 346 | 230 | 71 | 148 | 40 | 209 | F07 |

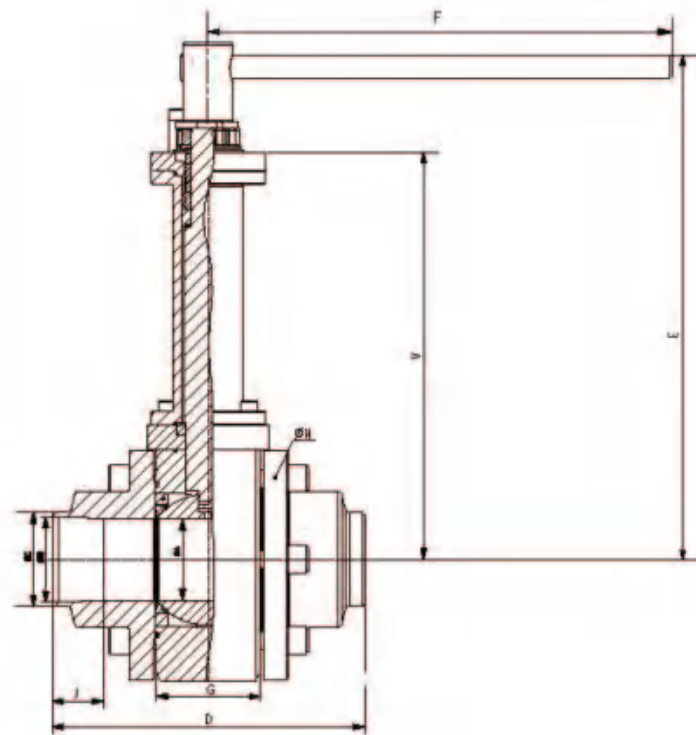
对焊/Butt Weld

DN 80 到 DN 150/Size 3" to 6"
缩径/Reduced bore
ISO 管道标准/ISO pipe



对焊/Butt Weld

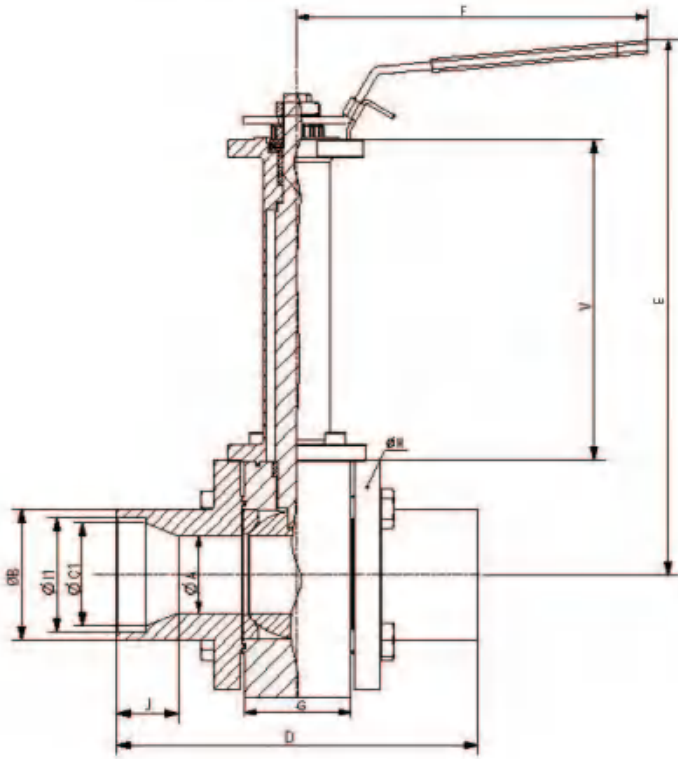
DN 65 到 DN 100/Size 2"1/2 to 6"
通径/Full bore
ISO 管道标准/ISO pipe



| 尺寸 Size | PN | ØA | ØB | ØC | D | E | F | G | ØH | J | V | ISO 5211 | |
|-----------------------|-------|----|-----|-------|-------|-----|-----|-----|-----|-----|----|-------------|-----|
| V • 缩径 / Reduced bore | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 83.1 | 88.9 | 244 | 385 | 370 | 84 | 174 | 40 | 214 | F07 |
| 100 | 4" | 40 | 76 | 107.9 | 114.3 | 264 | 398 | 440 | 104 | 197 | 40 | 216 | F10 |
| 125 | 5" | 25 | 100 | 133.7 | 139.7 | 290 | 420 | 505 | 130 | 236 | 40 | 216 | F10 |
| 150 | 6" | 25 | 100 | 162.3 | 168.3 | 290 | 420 | 505 | 130 | 236 | 40 | 216 | F10 |
| N • 通径 / Full bore | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 70.3 | 76.1 | 244 | 385 | 370 | 84 | 174 | 40 | 214 | F07 |
| 80 | 3" | 40 | 76 | 83.1 | 88.9 | 264 | 398 | 440 | 104 | 197 | 40 | 214 | F10 |
| 100 | 4" | 25 | 100 | 107.9 | 114.3 | 290 | 420 | 505 | 130 | 236 | 40 | 216 | F10 |

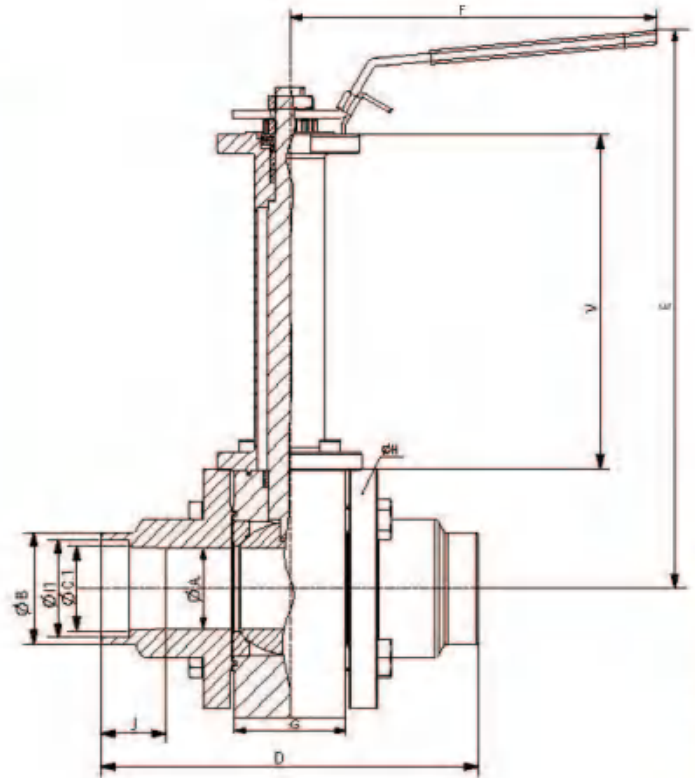
承插焊/Socket Weld

DN 32 到 DN 65/Size 1"1/4" to 2"1/2
缩径/Reduced bore



承插焊/Socket Weld

DN 25 到 DN 50/Size 1" to 2"
通径/Full bore

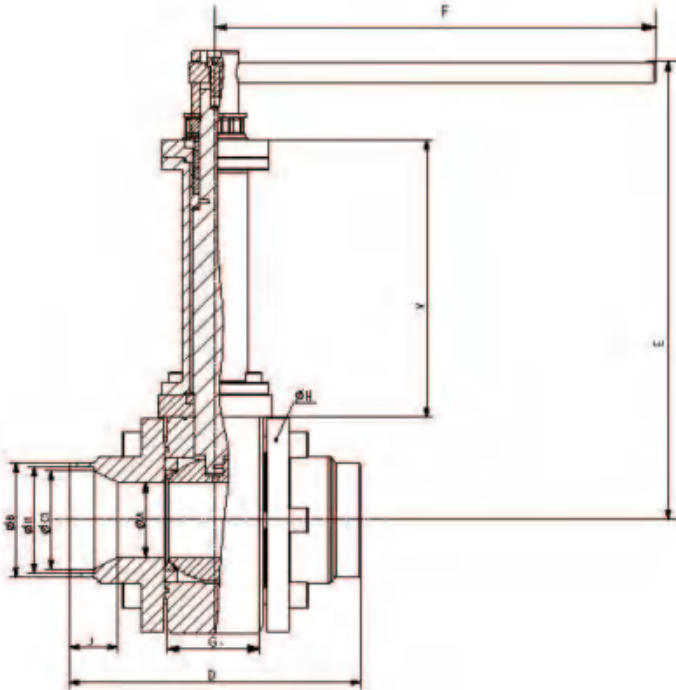


MY4CY

| 尺寸 Size | PN | Ø A | Ø B | Ø C1 | D | E | F | G | Ø H | Ø I1 | J | V | ISO 5211 | |
|----------------------|-------|-----|-----|------|------|-------|-----|-----|------|------|------|----|----------|-----|
| V • 缩径/ Reduced bore | | | | | | | | | | | | | | |
| 32 | 1"1/4 | 70 | 25 | 50.0 | 36.0 | 201.4 | 283 | 160 | 41.4 | 88 | 42.8 | 40 | 188 | F04 |
| 40 | 1"1/2 | 70 | 32 | 56.0 | 41.9 | 208.2 | 323 | 190 | 48.2 | 104 | 48.9 | 40 | 212 | F05 |
| 50 | 2" | 50 | 38 | 69.0 | 53.1 | 216.2 | 328 | 190 | 56.2 | 117 | 61.3 | 40 | 212 | F05 |
| 65 | 2"1/2 | 50 | 50 | 85.0 | 68.9 | 231 | 346 | 230 | 71 | 148 | 77.1 | 40 | 209 | F07 |
| N • 通径/ Full bore | | | | | | | | | | | | | | |
| 25 | 1" | 70 | 25 | 41.0 | 27.3 | 201.4 | 283 | 160 | 41.4 | 88 | 34.0 | 40 | 188 | F04 |
| 32 | 1"1/4 | 70 | 32 | 49.8 | 36.0 | 208.2 | 323 | 190 | 48.2 | 104 | 42.8 | 40 | 212 | F05 |
| 40 | 1"1/2 | 50 | 38 | 55.9 | 41.9 | 216.2 | 328 | 190 | 56.2 | 117 | 48.9 | 40 | 212 | F05 |
| 50 | 2" | 50 | 50 | 69.2 | 53.1 | 231 | 346 | 230 | 71 | 148 | 61.3 | 40 | 209 | F07 |

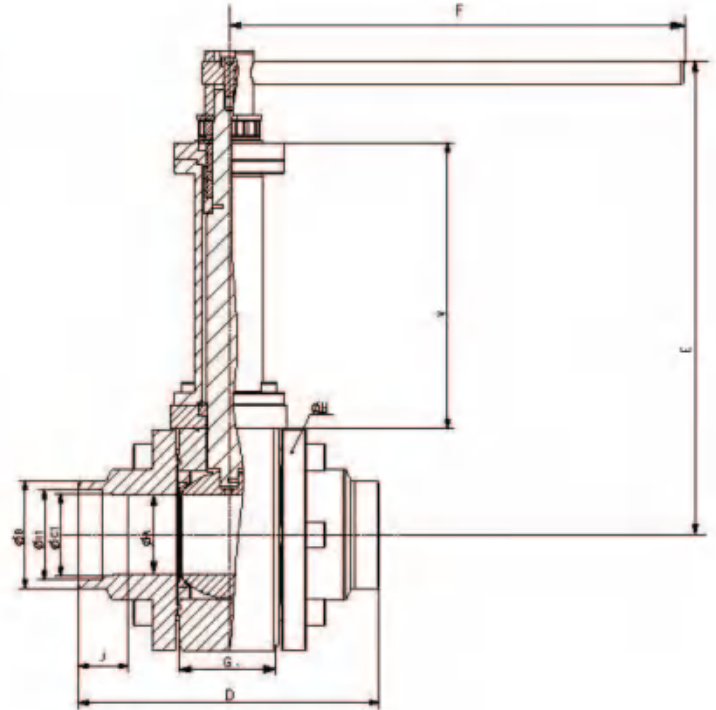
承插焊 / Socket Weld

DN 80 到 DN 150 / Size 3" to 8"
缩径 / Reduced bore



承插焊 / Socket Weld

DN 65 到 DN 100 / Size 2"1/2 to 6"
通径 / Full bore



| 尺寸 Size | PN | ØA | ØB | ØC1 | D | E | F | G | ØH | ØI1 | J | V | ISO 5211 | |
|-----------------------|-------|----|-----|-------|-------|-----|-----|-----|-----|-----|-------|----|-------------|-----|
| V • 缩径 / Reduced bore | | | | | | | | | | | | | | |
| 80 | 3" | 40 | 64 | 101 | 81 | 244 | 385 | 370 | 84 | 174 | 89.9 | 40 | 214 | F07 |
| 100 | 4" | 40 | 76 | 125 | 105.3 | 264 | 398 | 440 | 104 | 197 | 115.5 | 40 | 216 | F10 |
| 125 | 5" | 25 | 100 | 148.5 | 135 | 290 | 420 | 505 | 130 | 236 | 141.3 | 40 | 216 | F10 |
| 150 | 6" | 25 | 100 | 177.5 | 164 | 290 | 420 | 505 | 130 | 236 | 171.3 | 40 | 216 | F10 |
| N • 通径 / Full bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 40 | 64 | 87 | 69 | 244 | 171 | 370 | 84 | 174 | 77.6 | 40 | 214 | F07 |
| 80 | 3" | 40 | 76 | 101 | 81 | 264 | 182 | 440 | 104 | 197 | 89.9 | 40 | 216 | F10 |
| 100 | 4" | 25 | 100 | 127.5 | 105.3 | 290 | 204 | 505 | 130 | 236 | 115.5 | 40 | 214 | F10 |

DN15到DN50 (Size 1/2" to 2")

MY4 CY单作用气动执行器型号 *Spring Return type on MY4 CY*

| 尺寸 / Size | | | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | ISO 3 | T | U | U1 | V1 | V | W | X | Y | Z |
|-----------------|--------------------|----|-------|----|-------|-------------------|-------|-------|-----|-----|------|------|-------|-------|-----|-------|-----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | | | |
| 25 | 1" | 32 | 1"1/4 | 42 | F04 | 2MICA-083SR12 | F04 | F07 | 204 | 90 | 45 | 49.5 | 188 | 418.5 | 82 | 109 | 69 |
| 32 | 1"1/4 | 40 | 1"1/2 | 54 | F05 | 2MICA-105SR12 | F05 | F10 | 268 | 115 | 57.5 | 49.5 | 211.5 | 478 | 120 | 133 | 105 |
| 40 | 1"1/2 | 50 | 2" | 59 | F05 | 2MICA-125SR12 | F05 | F10 | 298 | 140 | 70 | 49.5 | 211.5 | 505 | 120 | 155 | 105 |
| 50 | 2" | 65 | 2"1/2 | 73 | F07 | 2MICA-140SR12 | F07 | F12 | 390 | 152 | 76 | 79.5 | 208 | 562 | 132 | 171.5 | 120 |

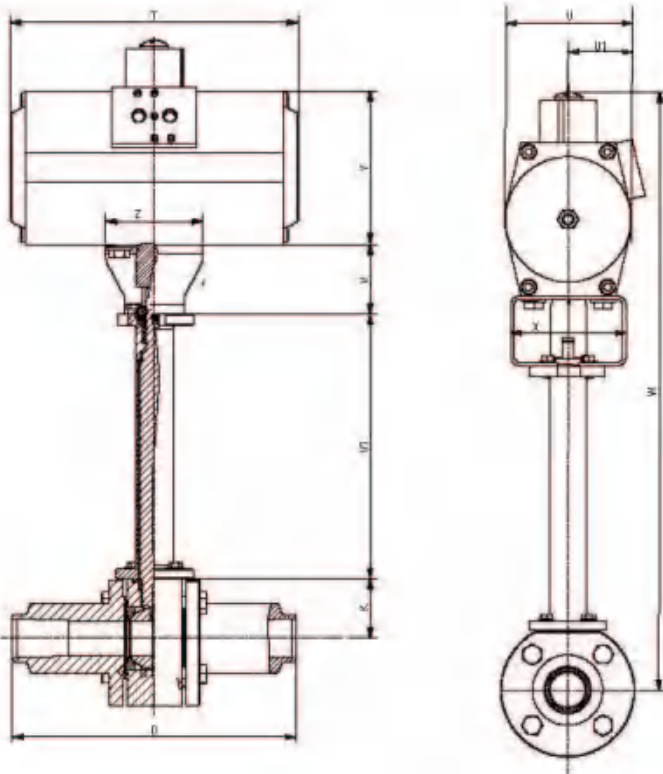
以上数据基于：阀门上下游压差最大值 $\Delta P=40$ bar，气源压力为 6 bar./ Values given for service pressure at: $\Delta P=40$ bar max and 6 bar air supply

MY4 CY双作用气动执行器型号 *Double Acting type on MY4 CY*

| 尺寸 / Size | | | | K | ISO 1 | 气动执行器 Actuator | ISO 2 | ISO 3 | T | U | U1 | V1 | V | W | X | Y | Z |
|-----------------|--------------------|----|-------|----|-------|-------------------|-------|-------|-----|-----|------|------|-------|-------|-----|-----|-----|
| 通径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | | | |
| 25 | 1" | 32 | 1"1/4 | 42 | F04 | 2MICA-063DA | F04 | F05 | 168 | 72 | 36 | 49.5 | 188 | 397.5 | 62 | 88 | 50 |
| 32 | 1"1/4 | 40 | 1"1/2 | 54 | F05 | 2MICA-075DA | F05 | F05 | 184 | 83 | 41.5 | 49.5 | 211.5 | 445 | 62 | 100 | 50 |
| 40 | 1"1/2 | 50 | 2" | 59 | F05 | 2MICA-083DA | F05 | F05 | 204 | 90 | 45 | 49.5 | 211.5 | 459 | 82 | 109 | 69 |
| 50 | 2" | 65 | 2"1/2 | 73 | F07 | 2MICA-105DA | F07 | F07 | 268 | 115 | 57.5 | 79.5 | 208 | 523.5 | 120 | 133 | 105 |

以上数据基于：阀门上下游压差最大值 $\Delta P=40$ bar，气源压力为 6 bar./ Values given for service pressure at: $\Delta P=40$ bar max and 6 bar air supply

MY4CY



MY4 CY $\Delta P=40$ bar

| 尺寸 Size | 气源压力 Air supply pressure | 双作用 / Double acting 编号 / Code | 单作用 / Spring return 编号 / Code |
|------------|-----------------------------|----------------------------------|----------------------------------|
| 25 F04 | 6 | 2MICA-063DA KPNi420 0514 | 2MICA-083SR12 KPNi420 0717 |
| 32 F05 | 6 | 2MICA-075DA KPNi432 0514 | 2MICA-105SR12 KPNi432 1022 |
| 40 F05 | 6 | 2MICA-083DA KPNi432 0717 | 2MICA-125SR12 KPNi432 1022 |
| 50 F07 | 6 | 2MICA-105DA KPNi450 1022 | 2MICA-140SR12 KPNi450 1227 |

DN65到DN100 (Size 2"1/2 to 4")

MY4 CY单作用气动执行器型号 *Spring Return type on MY4 CY*

| 尺寸 / Size | | K | ISO 1 | 缩径 Reduced Bore | ISO 2 | ISO 3 | T | U | U1 | V | V1 | W | X | Y | Z |
|-----------------|--------------------|-----|-------|--------------------|-------|-------|-----|-----|-----|-----|------|-------|-----|-------|-----|
| 直径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | 104 | F07 | F12 | 390 | 152 | 76 | 214 | 79.5 | 599 | 132 | 171.5 | 120 |
| 80 | 3" | 100 | 4" | 114 | F10 | F12 | 390 | 152 | 76 | 216 | 79.5 | 611 | 136 | 171.5 | 118 |
| 100 | 4" | 125 | 5" | 133 | F10 | F14 | 525 | 206 | 103 | 216 | 79.5 | 688.5 | 158 | 230 | 140 |

以上数据基于：阀门上下游压差最大值 $\Delta P=10$ bar，气源压力为 6 bar。/ Values given for service pressure at: $\Delta P=10$ bar max and 6 bar air supply

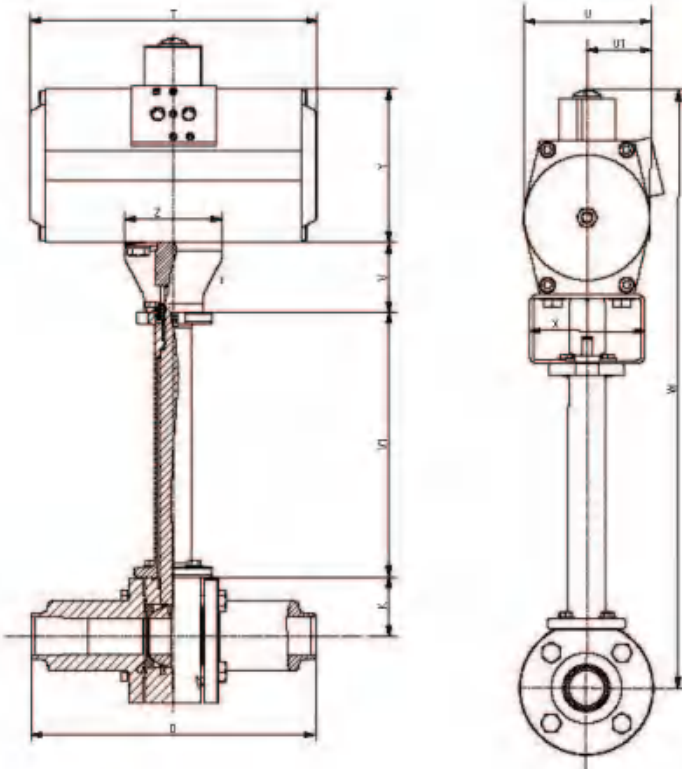
MY4 CY双作用气动执行器型号 *Double Acting type on MY4 CY*

| 尺寸 / Size | | K | ISO 1 | 缩径 Reduced Bore | ISO 2 | ISO 3 | T | U | U1 | V | V1 | W | X | Y | Z |
|-----------------|--------------------|-----|-------|--------------------|-------|-------|-----|-----|------|-----|------|-------|-----|-----|-----|
| 直径 Full Bore | 缩径 Reduced Bore | | | | | | | | | | | | | | |
| 65 | 2"1/2 | 80 | 3" | 104 | F07 | F10 | 268 | 115 | 57.5 | 214 | 79.5 | 560.5 | 120 | 133 | 105 |
| 80 | 3" | 100 | 4" | 114 | F10 | F10 | 268 | 115 | 57.5 | 216 | 79.5 | 572.5 | 120 | 133 | 95 |
| 100 | 4" | 125 | 5" | 133 | F10 | F10 | 298 | 140 | 70 | 216 | 79.5 | 613.5 | 120 | 155 | 95 |

以上数据基于：阀门上下游压差最大值 $\Delta P=10$ bar，气源压力为 6 bar。/ Values given for service pressure at: $\Delta P=10$ bar max and 6 bar air supply

MY4 CY $\Delta P=10$ bar

| 尺寸 Size | 气源压力 Air supply pressure | 双作用 / Double acting 编号 / Code | 单作用 / Spring return 编号 / Code |
|------------|-----------------------------|----------------------------------|----------------------------------|
| 65 F07 | 6 | 2MICA-105DA KPNI2P065 1022 | 2MICA-140SR12 KPNI2P065 1227 |
| 80 F10 | 6 | 2MICA-105DA KPNI2P080 1022 | 2MICA-140SR12 KPNI2P080 1227 |
| 100 F10 | 6 | 2MICA-125DA KPNI2P100 1022 | 2MICA-190SR12 KPNI2P100 1436 |





三通换向阀门 - DN15
3-way Diverter - DN15



三通换向阀门 - DN20
3-way Diverter - DN20



三通换向阀门 - F型
3-way Diverter - F Style



三通换向阀门 - L型
3-way Diverter - L Style

三通阀 / 水平操作
通径 & 缩径

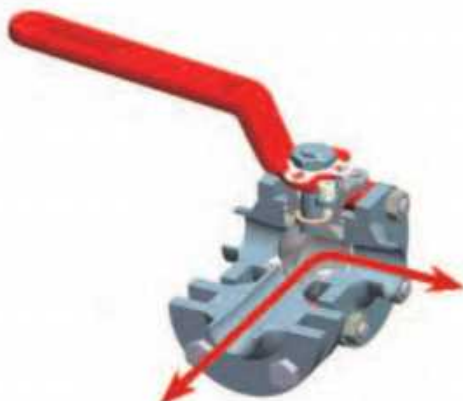
3-way version / Horizontal inlet
Full bore & reduced bore

3VLH

L型流道
换向

3VLH

L port
Diverting flow

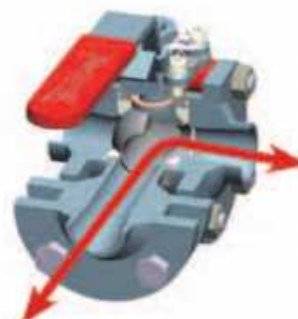
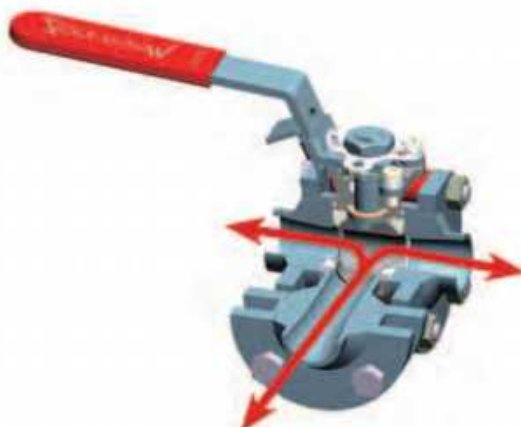


3VTH

T型流道
换向或混流

3VTH

T port
Diverting flow or mixing



三通球阀 / 垂直操作
通径 & 缩径

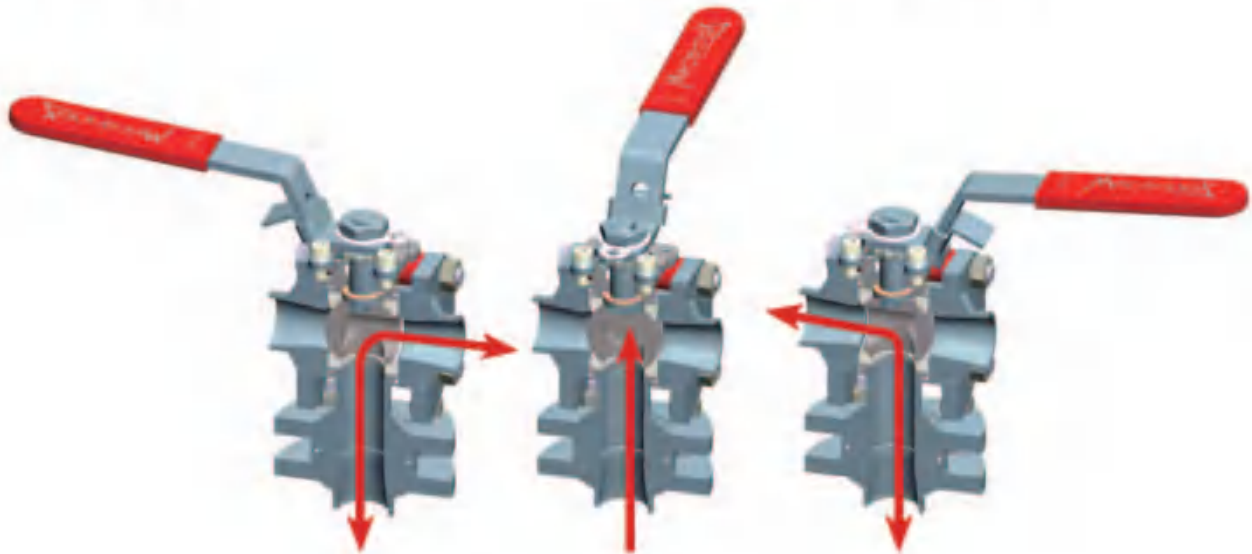
3-way version / Horizontal inlet
Full bore & reduced bore

3VLV

3VLV

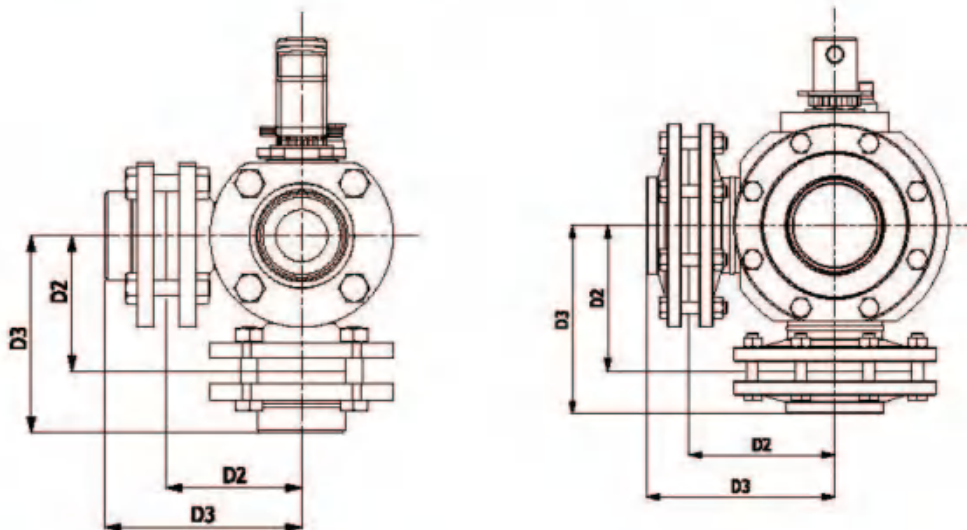
L 型流道
换向或截止

L port
Diverting flow or flow stop



进出口尺寸 (水平和垂直工作)

Horizontal & Vertical Inlet size



Diverter

| 尺寸 | 06 1/4" | 12 3/8" | 15 1/2" | 20 3/4" | 25 1" | 32 1 1/4" | 40 1 1/2" | 50 2" | 65 2 1/2" | 80 3" | 100 4" |
|----|------------|------------|------------|------------|----------|--------------|--------------|----------|--------------|----------|-----------|
| D2 | 45 | 45 | 50 | 60 | 65 | 72 | 80 | 103 | 135 | 149 | 170 |
| D3 | 67.3 | 67.3 | 72.8 | 86.7 | 94.3 | 102.9 | 114.4 | 142.5 | 183 | 202 | 220 |



设计压力: PN100
入口连接端: 对焊/承插焊/螺纹连接...
出口端: 1/2" FNPT *4个
测试孔: 1/4" FNPT *2个(带堵头)

Design Pressure: PN100
Inlet connection: BW/SW/female thread...
Outlet connection: 1/2" FNPT *4pcs
Extra test connections: 1/4" FNPT *2pcs (with plug)

可用于安装2个安全阀和2个爆破片
依照 EN12300 标准进行清洗和脱脂
阀门使用独立密封袋包装。

For the installation of two safety valves and two bursting discs.
Cleaned & degreased according to EN12300 for Oxygen.
Valves packed in closed individual plastic bag.

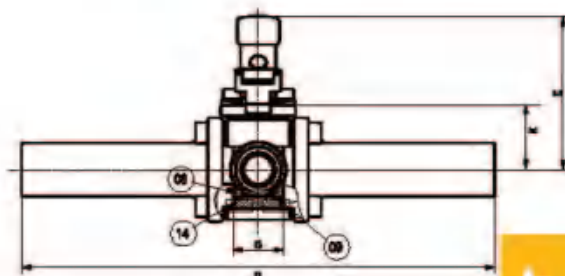
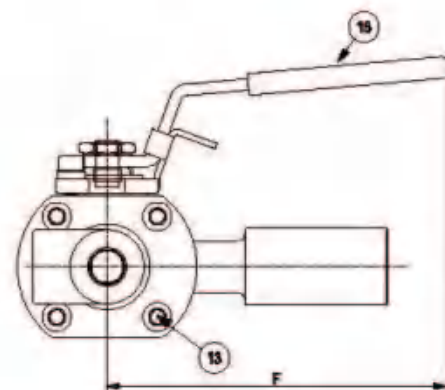
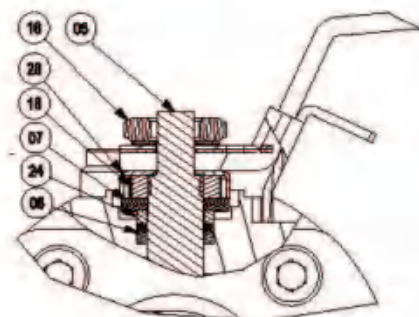
编码: **PS4LRACI015xxxx**
定制化 - 询价时确认
- 入口连接端: 可定制化连接形式/尺寸/直接焊接
- 出口端: 可定制化连接形式/尺寸
- 2个测试孔: 可定制化连接形式/尺寸
- 阀门出口为不锈钢, 连接不锈钢接口的安全阀,
建议加装铜材质转接头

Code: PS4LRACI015xxxx
Available Options - on request only
- Inlet connection: Customized type/ size/ direct welding.
- Outlet connection: Customized type/ size.
- Two extra test connections: Customized type/ size.
- Valve end connection is CF3M, the copper adaptor is needed when connect the SS inlet port safety valve.

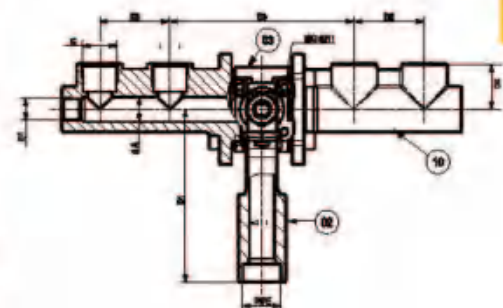
产品应用:
适用于气体、蒸汽及低温液化气体。
操作温度: -196°C至+120°C。

Applications:
Approved for air gases, vapor and cryogenic liquefied gases.
Working temperature: -196°C up to +120°C.

| 原号 Item | 名称 Description | 材料(EN) Material(EN) |
|------------|----------------------|------------------------|
| 02 | 公共端/Port | 1.4404/1.4409 |
| 03 | 阀体/Body | 1.4404/1.4409 |
| 05 | 阀杆/Stem | 1.4404 |
| 06 | 填料/Gland Packing | 33%C+2%Gr PTFE |
| 07 | 弹簧垫片/Spring washers | 1.4310 |
| 08 | 阀座/Seat | TFM1600 |
| 09 | 阀球/Ball | 1.4409 |
| 10 | 连接端/Ends | 1.4409 |
| 13 | 螺栓/Screw | 1.4301 |
| 14 | 阀体密封/Body seal | PTFE |
| 15 | 手柄/Lever | 1.4301 |
| 16 | 手柄紧固螺母/Lever Nut | 1.4404 |
| 18 | 压盖螺母/Nut gland | 1.4404 |
| 24 | 填料压盖/Gland | 1.4404 |
| 28 | 螺母止动片/Stop nut gland | 1.4307 |



| 技术参数/Technical Data | | | |
|--------------------------------|----------|---|------|
| 标准尺寸 Nominal Size | DN | 15 | |
| 通道直径 Flow diameter | ∅A | 3VTH | 3VLH |
| 入口连接端/Inlet | PIPE | FNPT/承插焊/对焊... (依据客户需求定制) FNPT/SW/BW... (According to customer demand) | |
| 出口端1 Outlet1 | C(FNPT) | 1/2" | 1/2" |
| 出口端2 Outlet2 | C1(FNPT) | 1/4" | 1/4" |
| 面对面距 Face to Face dimension | D | 228 | 228 |
| 长度/Length | D1 | 98.5 | 98.5 |
| 长度/Length | D2 | 40 | 40 |
| 长度/Length | D3 | 105 | 105 |
| 长度/Length | D4 | 26 | 26 |
| 高度/Height | E | 74 | 74 |
| 长度/Length | F | 120 | 120 |
| 长度/Length | G | 24.4 | 24.4 |
| 高度/Height | K | 31 | 31 |



Diverter



设计压力: PN100
入口连接端: 对焊/承插焊/螺纹连接...
出口端: 3/4" FNPT *4个
测试孔: 1/4" FNPT *2个 (带堵头)

Design Pressure: PN100
Inlet connection: BW/SW/female thread...
Outlet connection: 3/4" FNPT *4pcs
Extra test connections: 1/4" FNPT *2pcs (with plug)

可用于安装2个安全阀和2个爆破片
依照 EN12300 标准进行清洗和脱脂
阀门使用独立密封袋包装。

For the installation of two safety valves and two
bursting discs.
Cleaned & degreased according to EN12300
for Oxygen,
Valves packed in closed individual plastic bag.

编码: **PS4LRACI020xxxx**
定制化 - 询价时确认

Code: PS4LRACI020xxxx

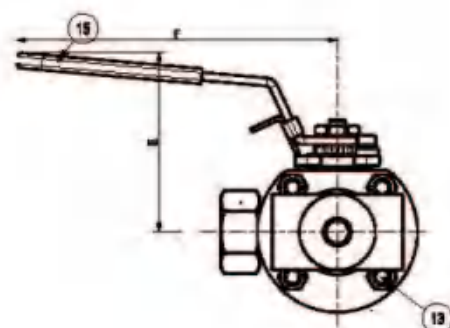
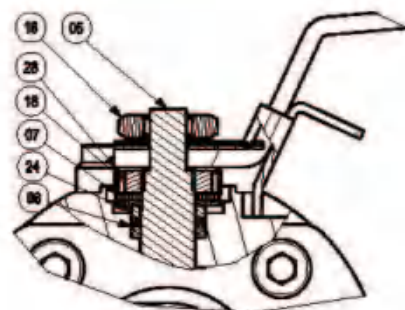
- "L" 型球阀-3VLH
- 入口连接端: 可定制化连接形式/尺寸/直接焊接
- 出口端: 可定制化连接形式/尺寸
- 2个测试孔: 可定制化连接形式/尺寸
- 阀门出口为不锈钢, 连接不锈钢接口的安全阀, 建议加装铜材质转接头

- Available Options - on request only
- "L" type ball_3VLH
 - Inlet connection: Customized type/ size/ direct welding.
 - Outlet connection: Customized type/ size.
 - Two extra test connections: Customized type/ size.
 - Valve end connection is CF3M, the copper adptor is needed when connet the SS inlet port safety valve.

产品应用:
适用于气体、蒸汽及低温液化气体。
操作温度: -196°C至+120°C。

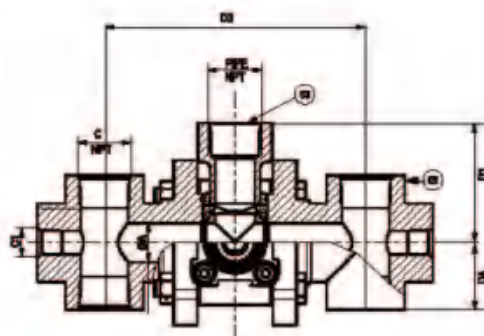
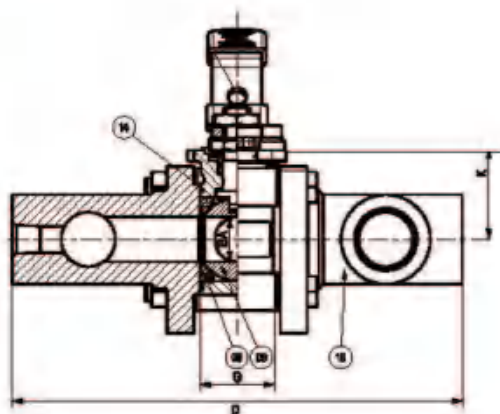
Applications:
Approved for air gases, vapor and cryogenic
liquefied gases.
Working temperature: -196°C up to +120°C.

| 序号 Item | 名称 Description | 材料(EN) Material(EN) |
|------------|----------------------|------------------------|
| 02 | 公共端/Port | 1.4404/1.4409 |
| 03 | 阀体/Body | 1.4404/1.4409 |
| 05 | 阀杆/Stem | 1.4404 |
| 06 | 填料/Gland Packing | 33%C+2%Gr PTFE |
| 07 | 弹簧垫片/Spring washers | 1.4310 |
| 08 | 阀座/Seat | TFM1600 |
| 09 | 阀球/Ball | 1.4409 |
| 10 | 连接端/Ends | 1.4409 |
| 13 | 螺栓/Screw | 1.4301 |
| 14 | 阀体密封/Body seal | PTFE |
| 15 | 手柄/Lever | 1.4301 |
| 16 | 手柄紧固螺母/Lever Nut | 1.4404 |
| 18 | 压盖螺母/Nut gland | 1.4404 |
| 24 | 填料压盖/Gland | 1.4404 |
| 28 | 螺母止动片/Stop nut gland | 1.4307 |



技术参数/Technical Data

| 标准尺寸 Nominal Size | DN | 20 | |
|-----------------------------------|----------|--------|--------|
| | | 3VTH | 3VLH |
| 通道直径 Flow diameter | ØA | 19 | 19 |
| 入口连接端 Inlet | PIPE | ¾" NPT | ¾" NPT |
| 出口端1 Outlet1 | C(FNPT) | ¾" NPT | ¾" NPT |
| 出口端2 Outlet2 | C1(FNPT) | ¾" NPT | ¾" NPT |
| 面对面距 Face to Face dimension | D | 191.6 | 191.6 |
| 长度/Length | D1 | 58 | 58 |
| 长度/Length | D3 | 58 | 58 |
| 长度/Length | D4 | 35 | 35 |
| 高度/Height | E | 90 | 90 |
| 长度/Length | F | 160 | 160 |
| 长度/Length | G | 31.6 | 31.6 |
| 高度/Height | K | 38 | 38 |



Diverter



设计压力: PN70/50

入口连接端: 对焊/承插焊/螺纹连接...

出口端: 1/2", 3/4", 1", 1 1/4", 1 1/2" FNPT *4个

测试孔: 1/4" FNPT *2个 (带堵头)

Design Pressure: PN70/50

Inlet connection: BW/SW/female thread...

Outlet connection: 1/2", 3/4", 1", 1 1/4", 1 1/2" FNPT *4pcs

Extra test connections: 1/4" FNPT *2pcs (with plug)

可用于安装2个安全阀和2个爆破片
依照 EN12300 标准进行清洗和脱脂
阀门使用独立密封袋包装。

定制化 - 询价时确认

For the installation of two safety valves and two
bursting discs.

Cleaned & degreased according to EN12300 for Oxygen.
Valves packed in closed individual plastic bag.

编码: **MS4LRACI025/032/040xxxx**

- 入口连接端: 可定制化连接形式/尺寸/直接焊接
- 出口公共端: 可定制化连接形式/尺寸
- 2个测试孔: 可定制化连接形式/尺寸
- 阀门出口为不锈钢, 连接不锈钢接口的安全阀,
建议加装铜材质转接头

Code: MS4LRACI025/032/040xxxx

Available Options - on request only

- Inlet connection: Customized type/ size/ direct welding.
- Outlet connection: Customized type/ size.
- Two extra test connections: Customized type/ size.
- Valve end connection is CF3M, the copper adaptor is
needed when connect the SS inlet port safety valve.

产品应用:

适用于气体、蒸汽及低温液化气体。

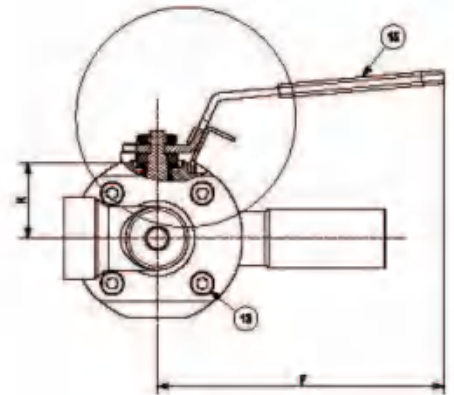
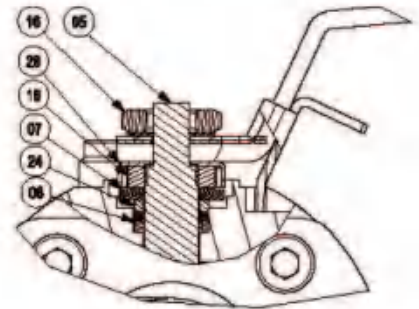
操作温度: -196°C至+120°C。

Applications:

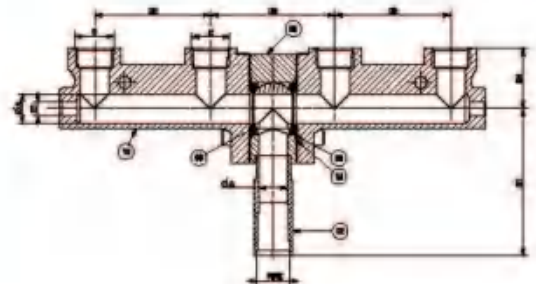
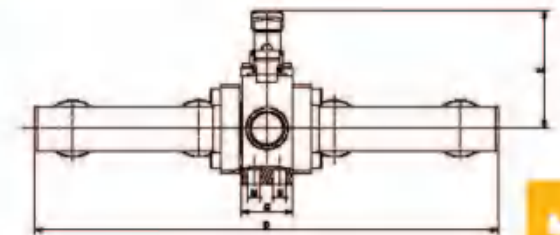
Approved for air gases, vapor and cryogenic
liquefied gases.

Working temperature: -196°C up to +120°C.

| 序号 Item | 名称 Description | 材料(EN) Material(EN) |
|------------|----------------------|------------------------|
| 02 | 公共端/Port | 1.4404/1.4409 |
| 03 | 阀体/Body | 1.4404/1.4409 |
| 05 | 阀杆/Stem | 1.4404 |
| 06 | 填料/Gland Packing | 石墨/graphite |
| 07 | 弹簧垫片/Spring washers | 1.4310 |
| 08 | 阀座/Seat | TFM1600 |
| 09 | 球阀/Ball | 1.4409 |
| 10 | 连接端/Ends | 1.4409 |
| 13 | 螺栓/Screw | 1.4301 |
| 14 | 阀体密封/Body seal | graphite |
| 15 | 手柄/Lever | 1.4301 |
| 16 | 手柄紧固螺母/Lever Nut | 1.4404 |
| 18 | 压盖螺母/Nut gland | 1.4404 |
| 24 | 填料压盖/Gland | 1.4404 |
| 28 | 螺母止动片/Stop nut gland | 1.4307 |



| 技术参数/Technical Data | | | | | | | |
|---------------------------------|----------|---|----------|-------------------|------|-----------|-----------|
| 标准尺寸 Nominal Size | DN | 25 | | 32 | | 40 | |
| | PN | 70 | | 50 | | 50 | |
| | BALL | 3VTH | 3VLH | 3VTH | 3VLH | 3VTH | 3VLH |
| 通道直径 Flow diameter | ΦA | 25 | 25 | 32 | 32 | 40 | 40 |
| 入口连接端/Inlet | PIPE | FNPT/承插焊/对焊... (依据客户需求定制) FNPT/SW/BW... (According to customer demand) | | | | | |
| 出口端1 Outlet1 | C(FNPT) | ½"/¾"/1" | ½"/¾"/1" | 可定制 Customized | | ¾"/1"/1½" | ¾"/1"/1½" |
| 出口端2 Outlet2 | C1(FNPT) | ¾" | ¾" | | | ¾" | ¾" |
| 面对面距离 Face to Face dimension | D | 337 | 337 | | | 528 | 528 |
| 长度/Length | D1 | 127 | 127 | 145 | 145 | | |
| 长度/Length | D2 | 100 | 100 | 150 | 150 | | |
| 长度/Length | D3 | 107 | 107 | 150 | 150 | | |
| 长度/Length | D4 | 52 | 52 | 65 | 65 | | |
| 高度/Height | E | 94 | 94 | 115 | 115 | | |
| 长度/Length | F | 160 | 160 | 190 | 190 | | |
| 长度/Length | G | 42 | 42 | 56 | 56 | | |
| 固定孔 Fixing hole | M | M10 | M10 | M10 | M10 | | |
| 高度/Height | K | 42 | 42 | | | | |



Diverter



设计压力: PN70/50

入口连接端: 对焊/承插焊/螺纹连接...

出口端: 1/2", 3/4", 1", 1 1/4", 1 1/2" FNPT *2个

测试孔: 1/4" FNPT *2个(带堵头)

Design Pressure: PN70/50

Inlet connection: BW/SW/female thread...

Outlet connection: 1/2", 3/4", 1", 1 1/4", 1 1/2" FNPT *2pcs

Extra test connections: 1/4" FNPT *2pcs (with plug)

可用于安装2个安全阀和2个爆破片
依照 EN12300 标准进行清洗和脱脂
阀门使用独立密封袋包装。

For the installation of two safety valves and two
bursting discs.

Cleaned & degreased according to EN12300
for Oxygen,

Valves packed in closed individual plastic bag.

编码: **MS4LRACI025/032/040xxxx**

定制化 - 询价时确认

- 入口连接端: 可定制化连接形式/尺寸/直接焊接
- 出口公共端: 可定制化连接形式/尺寸
- 2个测试孔: 可定制化连接形式 尺寸
- 阀门出口为不锈钢, 连接不锈钢接口的安全阀,
建议加装铜材质转接头

Code: MS4LRACI025/032/040xxxx

Available Options - on request only

- Inlet connection: Customized type/ size/ direct welding.
- Outlet connection: Customized type/ size.
- Two extra test connections: Customized type/ size.
- Valve end connection is CF3M, the copper adptor
is needed when connet the SS inlet port safety valve.

产品应用:

适用于气体、蒸汽及低温液化气体。

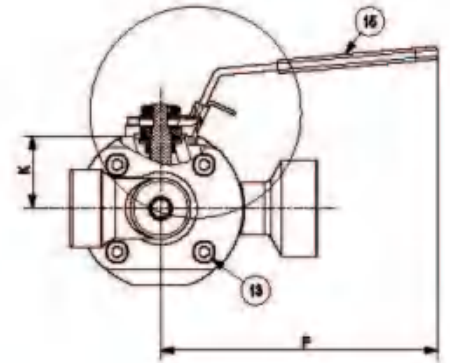
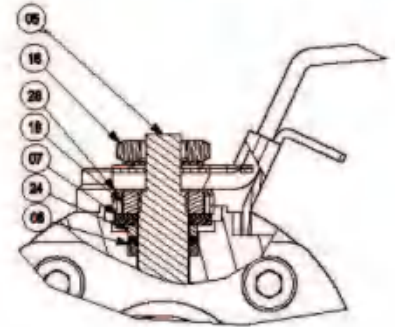
操作温度: -196°C至+120°C。

Applications:

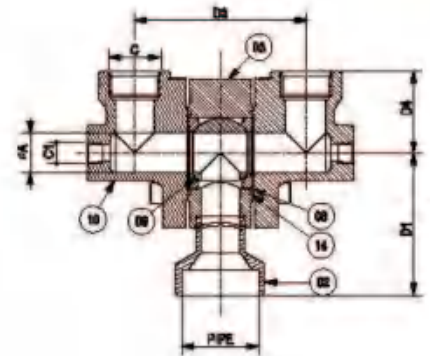
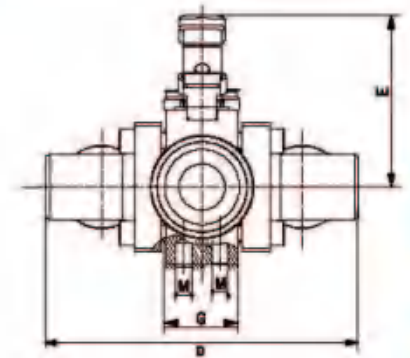
Approved for air gases, vapor and cryogenic
liquefied gases.

Working temperature: -196°C up to +120°C.

| 序号 Item | 名称 Description | 材料(EN) Material(EN) |
|------------|----------------------|------------------------|
| 02 | 公共端/Port | 1.4404/1.4409 |
| 03 | 阀体/Body | 1.4404/1.4409 |
| 05 | 阀杆/Stem | 1.4404 |
| 06 | 填料/Gland Packing | 石墨/graphite |
| 07 | 弹簧垫片/Spring washers | 1.4310 |
| 08 | 阀座/Seat | TFM1600 |
| 09 | 球阀/Ball | 1.4409 |
| 10 | 连接端/Ends | 1.4409 |
| 13 | 螺栓/Screw | 1.4301 |
| 14 | 阀体密封/Body seal | PTFE/graphite |
| 15 | 手柄/Lever | 1.4301 |
| 16 | 手柄紧固螺母/Lever Nut | 1.4404 |
| 18 | 压盖螺母/Nut gland | 1.4404 |
| 24 | 填料压盖/Gland | 1.4404 |
| 28 | 螺母止动片/Stop nut gland | 1.4307 |



| 技术参数/Technical Data | | | | | | | |
|---------------------------------|----------|--|----------|-------------------|------|-----------|-----------|
| 标准尺寸 Nominal Size | DN | 25 | | 32 | | 40 | |
| | PN | 70 | | 50 | | 50 | |
| 通道直径 Flow diameter | BALL | 3VTH | 3VLH | 3VTH | 3VLH | 3VTH | 3VLH |
| | ØA | 25 | 25 | 32 | 32 | 40 | 40 |
| 入口连接端/Inlet | PIPE | FNPT/SW/BW... (According to customer demand) | | | | | |
| 出口端1 Outlet1 | C(FNPT) | ½"/¾"/1" | ½"/¾"/1" | 可定制 Customized | | ¾"/1"/1½" | ¾"/1"/1½" |
| 出口端2 Outlet2 | C1(FNPT) | ¾" | ¾" | | | ¾" | ¾" |
| 面对面距离 Face to Face dimension | D | 169 | 169 | | | 262 | 262 |
| 长度/Length | D1 | 127 | 127 | | | 145 | 145 |
| 长度/Length | D3 | 108.5 | 108.5 | | | 150 | 150 |
| 长度/Length | D4 | 52 | 52 | | | 65 | 65 |
| 高度/Height | E | 93 | 93 | | | 115 | 115 |
| 长度/Length | F | 160 | 160 | | | 190 | 190 |
| 长度/Length | G | 42 | 42 | | | 56 | 56 |
| 固定孔 Fixing hole | M | M10 | M10 | | | M10 | M10 |
| 高度/Height | K | 42 | 42 | | | 59 | 59 |



Diverter



Fireblock V3.1
世界上第一台紧急切断阀
*First emergency shut-off valve
in the world*



Fireblock V4
紧凑性
Compact



Fireblock PC1.0
经济性
Economic



Fireblock PC2.0
多功能，气动操作（可手动）
Multi-function, pneumatic operation (manual)



带防火阻断模块的低温球阀
Cryogenic-Ball Valves with fire block module

- ✓ 机加工阀体及延长阀杆
Machined valve body and extension
- ✓ 防火设计/ Fire safe design
- ✓ 直接焊接可选/ Directly welding

纯机械式防火阻断模块，无需外接能源（无压缩空气，无动力）
Pure mechanical fire block module, energy-independent (no compressed air, no power).

- 紧急情况下关闭球阀：可自动（遇火），可手动
- 通过复位拉杆手动开启阀门/24扳手（不供货）
- 阀门始终保持在开启位置，挂钩保持弹簧执行器处于加载状态
- 依照EN 12300 标准进行清洗和脱脂，
阀门使用独立密封袋包装

产品应用:

- 适用于气体，蒸汽以及低温液化气体（包括LNG）
- 操作温度：-196°C至+100°C
- 气动执行器适用环境温度：-40°C至+60°C

定制化 - 询价时确认

- 定制化流向/支架
- 定制化 Kv 值
- 连接端：可定制化样式（对焊/承插焊）/尺寸/直接焊接

编码:

- MY4FW4NI025xxxx/ VI032xxxx/ WI040xxxx...
- MY4FW4NI040xxxx/ VI050xxxx...

- Close valve in case of emergency: automatically (fire) or manually.
- Open valve manually by reset lever/24 spanner (except supplied)
- Valve is always maintained in the open position, a locker keeps the spring loaded.
- Cleaned & degreased according to EN12300 for Oxygen, Valves packed in closed individual plastic bag.

Applications:

- Approved for air gases, vapors and cryogenic liquefied gases include LNG.
- Working temperature: -196°C to +100°C
- Ambient temperature actuator: -40°C to +60°C

Available Options - on request only:

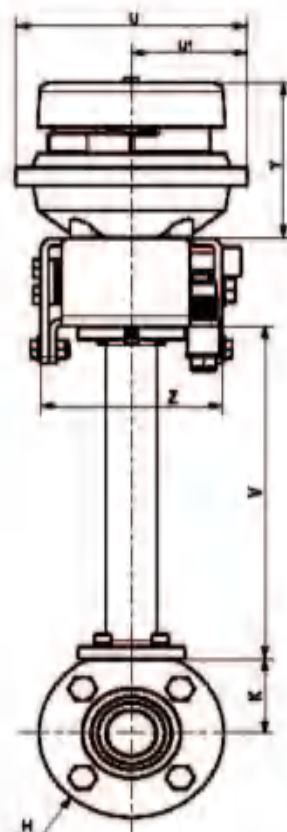
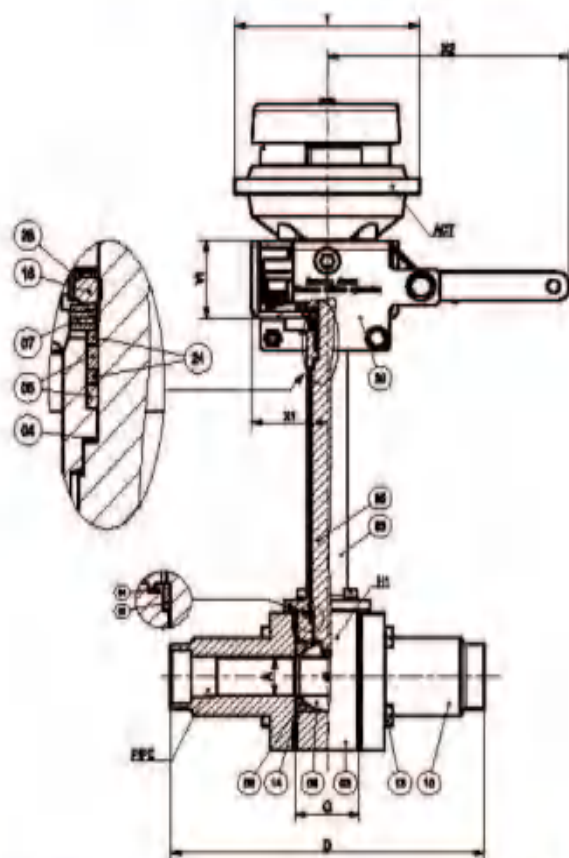
- Customized direction for flow/bracket.
- Customized Kv selection
- Connection: Customized type (BW/SW)/ size/ direct welding.

Code:

- MY4FW4NI025xxxx/ VI032xxxx/ WI040xxxx...
- MY4FW4NI040xxxx/ VI050xxxx...

Fireblock V3.1/V4已更新换代，备品备件仅用于维修维护
Fireblock V3.1/V4 has been updated. Spare parts are only used for maintenance

阀门平时应保持开启状态，仅在检查时关闭！
Valve normally open, close only at inspection.



| 序号 Item | 名称 Description | 材料 (EN) Material(EN) |
|------------|--------------------------|-------------------------|
| 03 | 阀体/Body | 1.4404 |
| 04 | 阀杆密封/Body Seal | 20% PEEK PTFE |
| 06 | 填料/Gland Packing | 石墨 /Graphite |
| 07 | 弹簧垫片 Spring washers | 1.4310 |
| 08 | 阀座/Seat | TF3215 |
| 09 | 阀球/Ball | 1.4409 |
| 10 | 连接端/Ends | 1.4409 |
| 13 | 螺栓/Screw | 1.4301 |
| 14 | 阀体密封/Body seal | 石墨 /Graphite |
| 18 | 压盖螺母/Nut gland | 1.4404 |
| 24 | 填料压盖/Gland | 1.4404 |
| 28 | 螺母止动片 Stop nut gland | 1.4307 |
| 30 | 支架/Bracket | 1.4307 |
| 63 | 延长套筒 Extension's body | 1.4307 |
| 64 | 密封垫片/Flat seal | 石墨 /Graphite |
| 65 | 延长阀杆 Extended stem | 1.4404 |
| 66 | 开口衬套/Split ring | PTFE |
| ACT | 执行机构/Actuation | - |

| Fireblock V5 标准设计版本 Standard design version | 尺寸/Size | | |
|---|---------|-------|-------|
| | DN25 | DN40 | |
| 流通直径 Flow diameter | A | 25 | 38 |
| 面对面距离 Face to Face dimension | D | 201.2 | 216 |
| 阀体宽度 Body width | G | 41.2 | 58 |
| 连接端直径 End diameter | H | 95 | 117 |
| 阀体直径 Body diameter | H1 | 94 | 130 |
| 高度/Height | K | 42 | 59 |
| 执行器宽度 Actuator width | T | 119 | 152 |
| 厚度/thickness | U | 119 | 152 |
| 厚度/thickness | U1 | 59.5 | 76 |
| 延长套筒高度 Extension's Height | V | 188 | 211.5 |
| KPNI高度 KPNI Height | V1 | 49.5 | 49.5 |
| 宽度/width | X1 | 48.5 | 48.5 |
| 宽度/width | X2 | 155 | 155 |
| 执行器高度 Actuator Height | Y | 88 | 122 |
| KPNI厚度 KPNI thickness | Z | 93.2 | 93.2 |



带防火阻断模块的低温球阀

Cryogenic-Ball Valves with fire block module:

- ✓ 机加工阀体及延长阀杆
Machined valve body and extension
- ✓ 防火设计/Fire safe design
- ✓ 直接焊接可选/directly welding

气动防火阻断模块, 仅可气动操作

Pure pneumatic fire block module, pneumatic operation only.

- 紧急情况下关闭球阀: 可自动 (遇火), 可手动 (释放压缩空气)
- 通过压缩空气开启阀门 (不少于6bar)
- 依照 EN12300 标准进行清洗和脱脂, 阀门使用独立密封袋包装

- Close valve in case of emergency: automatically (fire) or manually (by release compressed air)
- Open valve by compressed air (not less than 6bar).
- Cleaned & degreased according to EN12300 for Oxygen, Valves packed in closed individual plastic bag

产品应用:

Applications:

- 适用于气体, 蒸汽以及低温液化气体 (包括LNG)。
- 操作温度: -196°C至+100°C
- 气动执行器适用环境温度: -40°C至+60°C

- Approved for air gases, vapors and cryogenic liquefied gases include LNG.
- Working temperature: -196°C to +100°C
- Ambient temperature actuator: -40°C to +60°C

定制化 - 询价时确认

Available Options - on request only:

- 定制化流向/支架
- 定制化 Kv 值
- 连接端: 可定制化样式 (对焊/承插焊) /尺寸/直接焊接

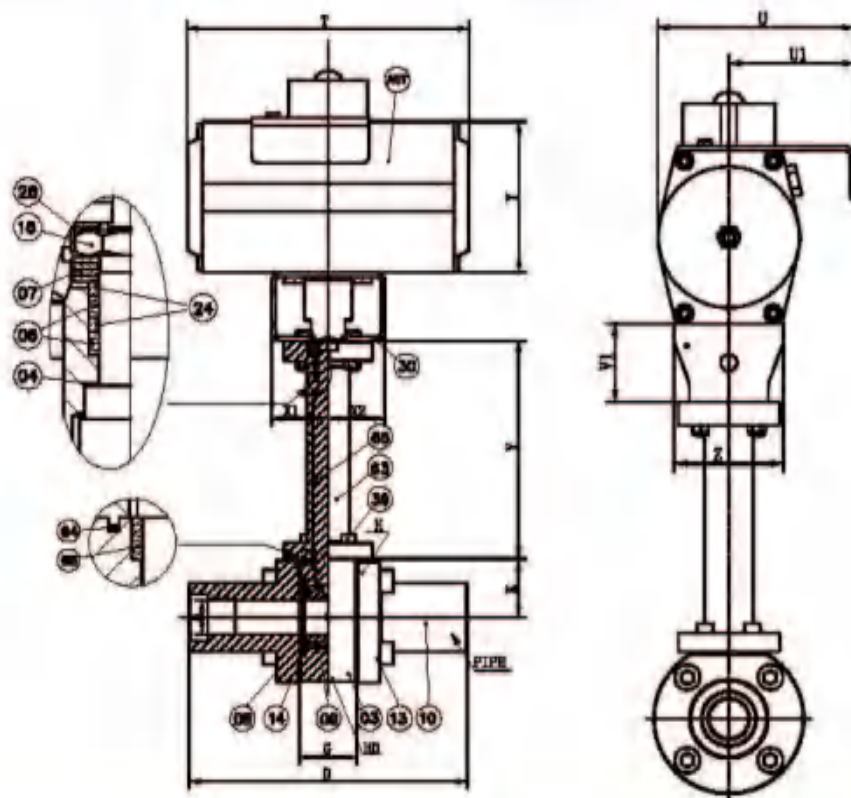
- Customized direction for flow/bracket.
- Customized KV selection
- Connection: Customized type (BW/SW)/ size/ direct welding.

编码:

Code reference:

- MY4FW4NI025xxxx/V1032xxxx/W1040xxxx...
- MY4FW4NI040xxxx/V1050xxxx...

- MY4FW4NI025xxxx/ V1032xxxx/ W1040xxxx...
- MY4FW4NI040xxxx/ V1050xxxx



| 序号 Item | 名称 Description | 材料 (EN) Material(EN) |
|------------|--------------------------|-------------------------|
| 03 | 阀体/Body | 1.4404 |
| 04 | 阀杆密封/Body Seal | 20% PEEK PTFE |
| 06 | 填料/Gland Packing | 石墨 /Graphite |
| 07 | 弹簧垫片 Spring washers | 1.4310 |
| 08 | 阀座/Seat | TF3215 |
| 09 | 球阀/Ball | 1.4409 |
| 10 | 连接端/Ends | 1.4409 |
| 13 | 螺栓/Screw | 1.4301 |
| 14 | 阀体密封/Body seal | 石墨 /Graphite |
| 18 | 压盖螺母/Nut gland | 1.4404 |
| 24 | 填料压盖/Gland | 1.4404 |
| 28 | 螺母止动片 Stop nut gland | 1.4307 |
| 30 | 支架/Bracket | 1.4307 |
| 63 | 延长套筒 Extension's body | 1.4307 |
| 64 | 密封垫片/Flat seal | 石墨 /Graphite |
| 65 | 延长阀杆 Extended stem | 1.4404 |
| 66 | 开口衬套/Split ring | PTFE |
| ACT | 执行机构/Actuation | - |

| PC1.0 标准设计版本 Standard design version | 尺寸/Size | | |
|--|---------|-------|-------|
| | DN25 | DN40 | |
| 通道直径 Flow diameter | A | 25 | 38 |
| 面对面距离 Face to Face dimension | D | 201.2 | 218 |
| 阀体宽度 Body width | G | 41.2 | 56 |
| 连接端直径 End diameter | H | 95 | 117 |
| 阀体直径 Body diameter | H1 | 94 | 130 |
| 高度/Height | K | 42 | 59 |
| 执行器宽度 Actuator width | T | 204 | 268 |
| 厚度/thickness | U | 134 | 145.5 |
| 厚度/thickness | U1 | 79.5 | 88.5 |
| 延长套筒高度 Extension's Height | V | 158 | 181.5 |
| KPNI高度 KPNI Height | V1 | 49.5 | 79.5 |
| 宽度/width | X1 | 41 | 60 |
| 宽度/width | X2 | 41 | 60 |
| 执行器高度 Actuator Height | Y | 109 | 133 |
| KPNI厚度 KPNI thickness | Z | 69 | 105 |



带防火阻断模块的低温球阀
Cryogenic-Ball Valves with fire block module:

- ✓ 机加工阀体及延长阀杆
Machined valve body and extension
- ✓ 防火设计/Fire safe design
- ✓ 直接焊接可选/directly welding

多功能防火阻断模块, 可手动&气动操作 (使用时只可选用一种操作方式)。
Multi-function fire block module, pneumatic operation and manual operation (select only one operation only by switch screw).

- 紧急情况下关闭球阀: 可自动 (遇火), 可手动 (通过释放压缩空气进行气动操作, 或手动抖动缆绳进行操作)。
- 气动操作时使用压缩空气 (不小于6bar) 开启阀门, 手动操作时使用24扳手 (不供货) 开启阀门。
- 依照 EN12300 标准进行清洗和脱脂, 阀门使用独立密封袋包装。

- Close valve in case of emergency: automatically (fire) or manually (by release compressed air for pneumatic operation, or by pull the cable for manual operation).
- Open valve by compressed air (not less than 6bar) for pneumatic operation or by 24 spanner(except supplied) for manual operation
- Cleaned & degreased according to EN12300 for Oxygen. Valves packed in closed individual plastic bag

产品应用:

Applications:

- 适用于气体, 蒸汽以及低温液化气体 (包括LNG) .
- 操作温度: -196°C至+100°C
- 气动执行器适用环境温度: -40°C至+60°C

- Approved for air gases, vapors and cryogenic liquefied gases include LNG.
- Working temperature: -196°C to +100°C
- Ambient temperature actuator: -40°C to +60°C

定制化 - 询价时确认

Available Options - on request only:

- 定制化流向/支架
- 定制化 Kv 值
- 连接端: 可定制化样式 (对焊/承插焊) /尺寸/直接焊接

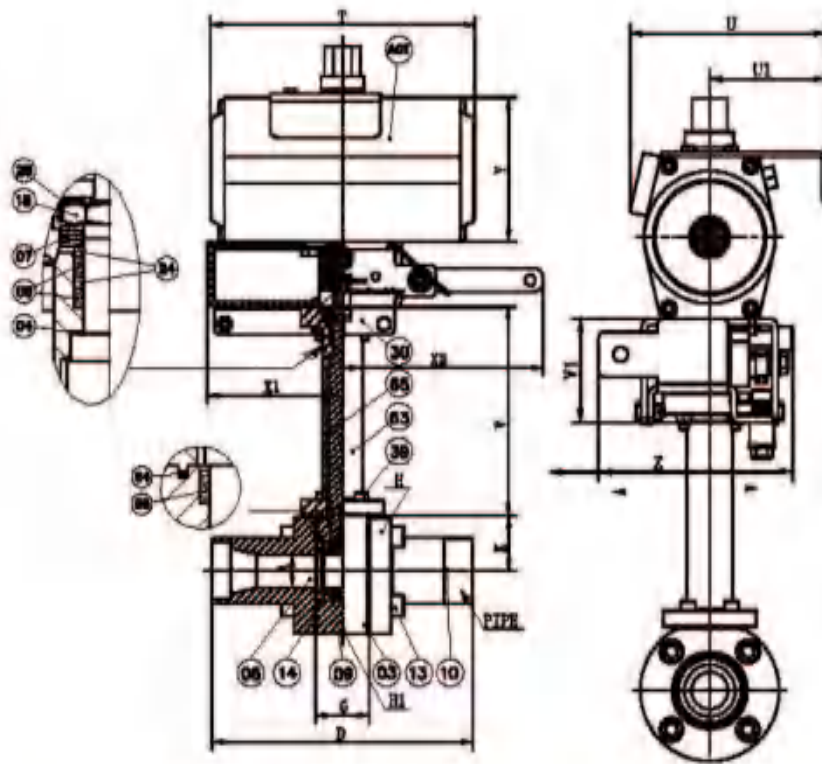
- Customized direction for flow/bracket.
- Customized KV selection
- Connection: Customized type (BW/SW)/ size/ direct welding.

编码:

Code:

- MY4FW4NI025xxxx/V1032xxxx/WI040xxxx...
- MY4FW4NI040xxxx/V1050xxxx.....

- MY4FW4NI025xxxx/V1032xxxx/WI040xxxx...
- MY4FW4NI040xxxx/V1050xxxx.....



| 序号 Item | 名称 Description | 材料 (EN) Material(EN) |
|------------|--------------------------|-------------------------|
| 03 | 阀体/Body | 1.4404 |
| 04 | 阀杆密封/Body Seal | 20% PEEK PTFE |
| 06 | 填料/Gland Packing | 石墨 /Graphite |
| 07 | 弹簧垫片 Spring washers | 1.4310 |
| 08 | 阀座/Seat | TF3215 |
| 09 | 阀球/Ball | 1.4409 |
| 10 | 连接端/Ends | 1.4409 |
| 13 | 螺栓/Screw | 1.4301 |
| 14 | 阀体密封/Body seal | 石墨 /Graphite |
| 18 | 压盖螺母/Nut gland | 1.4404 |
| 24 | 填料压盖/Gland | 1.4404 |
| 28 | 螺母止动片 Stop nut gland | 1.4307 |
| 30 | 支架/Bracket | 1.4307 |
| 63 | 延长套筒 Extension's body | 1.4307 |
| 64 | 密封垫片/Flat seal | 石墨 /Graphite |
| 65 | 延长阀杆 Extended stem | 1.4404 |
| 66 | 开口衬套/Split ring | PTFE |
| ACT | 执行机构/Actuation | - |

| PC2.0 标准设计版本 Standard design version | 尺寸/Size | | |
|--|---------|--------|--------|
| | DN25 | DN40 | |
| 通道直径 Flow diameter | A | 25 | 38 |
| 面对面距离 Face to Face dimension | D | 201.2 | 216 |
| 阀体宽度 Body width | G | 41.2 | 56 |
| 连接端直径 End diameter | H | 95 | 117 |
| 阀体直径 Body diameter | H1 | 94 | 130 |
| 高度/Height | K | 42 | 59 |
| 执行器宽度 Actuator width | T | 204 | 268 |
| 厚度/thickness | U | 134 | 145.5 |
| 厚度/thickness | U1 | 79.5 | 88.5 |
| 延长套筒高度 Extension's Height | V | 158 | 181.5 |
| KPNI高度 KPNI Height | V1 | 70.5 | 81 |
| 宽度/width | X1 | 104.25 | 105.75 |
| 宽度/width | X2 | 155 | 155 |
| 执行器高度 Actuator Height | Y | 109 | 133 |
| KPNI厚度 KPNI thickness | Z | 132.5 | 150 |

气动执行器机构

单作用或双作用
铝合金气缸

Pneumatic Actuator

Spring return or double acting
Aluminum Alloy Type



气动执行器
Pneumatic actuator

电动执行器机构

全天候型角行程执行器

Electric Actuator

Weatherproof Quarter-turn Actuators



AQ 系列电动执行器
AQ Range electric actuation

特征和优点

挤压铝质 (ASTM 6005) 缸体，内表面细磨精加工，内部和外部均采用高级防腐技术，气缸摩擦系数小，使用寿命长，抗腐蚀性能强。

双活塞齿轮齿条式设计，结构紧凑、安装位置对称、改变输出轴转向方便，使用寿命长、动作迅速。

在导轨和活塞上采用复合轴承和导环设计，从而实现低摩擦、高运转寿命和防止轴喷出。

模块式预紧式弹簧盒设计，带涂层弹簧，从而实现更多的系列，更大的安全系数，更好的抗腐蚀能力和更长的使用寿命。高精度齿轮和齿条，啮合间隙小、精度高，输出功率大。采用不锈钢紧固件，实现长期防腐蚀。

采用国际规范尺寸：
输出轴槽，螺孔：顶部安装孔尺寸符合 NAMUR。
气源接口尺寸符合 NAMUR。
底部安装孔尺寸符合 ISO 5211、DIN 3337。
方便安装电磁阀，限位开关等附件。

Features and benefits

Extruded aluminum ASTM 6005 body with both internal and external corrosion protection having honed cylinder surface for longer life and low coefficient of friction.

Dual piston rack and pinion design for compact construction, symmetric mounting position, high-cycle life and fast operation, reverse rotation can be accomplished in the field by simply inverting the pistons.

Multiple bearings and guides on racks and pistons, low friction, high cycle life and prevent shaft blowout.

Modular preloaded spring cartridge design, with coated spring for simple versatile range, greater safety and corrosion resistance, longer cycle life. Fully machined teeth on piston and pinion for accurate low backlash rack and pinion engagement, maximum efficiency. Stainless steel fasteners for long term corrosion resistance

Full conformance to the latest specifications: ISO 5211, DIN 3337 and Namur or product interchangeability and easy mounting of solenoids, limit switches and other accessories.

基本的操作细节

| | |
|--------|---|
| DA系列 | 双作用 出口 "A" = 开启供气口 (逆时针) 出口 "B" = 关闭供气口 (顺时针) |
| SR系列 | 单作用 出口 "A" = 开启供气口 (逆时针) 出口 "B" = 关闭供气口 (顺时针) |
| 使用介质 | 压缩空气、无腐蚀性气体和 轻质液压油 |
| 工作温度 | 标准型: -20°C +80°C |
| 最高使用压力 | 输入气压不超过 10 bar |

Basic operating details

| | |
|-----------------------|---|
| DA model | Double acting Port "A" = Air to open (anti-clockwise) Port "B" = Air to close (clockwise) |
| SR model | Simple acting (Spring return) Port "A" = Air to open (anti-clockwise com pressing springs) Port "B" = Springs to close (clockwise) |
| Operating medium | Air (dry or lubricated), non-corrosive gas, light hydraulic oil |
| Operating temperature | Standard: -20°C +80°C |
| Maximum air pressure | Should not exceed 10 bar |

最长操作时间 (秒) (气源压力=5 bar) / Maximum operating time in second (air pressure = 5 bar)

| Actuator 气动执行器 | 2MICA-045 | 2MICA-052 | 2MICA-063 | 2MICA-075 | 2MICA-083 | 2MICA-092 | 2MICA-105 | 2MICA-125 | 2MICA-140 | 2MICA-160 | 2MICA-190 | 2MICA-210 |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 双作用开启 Double acting (DA) open | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 | 1.5 | 2 | 2.5 | 4 | 5 | 5 |
| 双作用关闭 Double acting (DA) close | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 4 |
| 单作用开启 Spring return (SR) open | 2 | 2 | 2 | 2 | 2.5 | 3 | 3 | 4 | 4 | 4 | 5 | 6 |
| 单作用关闭 Spring return (SR) close | 0.5 | 0.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1.5 | 3 | 3 |

每一冲程空气消耗量 (升) / Air consumption per stroke (liter)

| 气动执行器 Actuator | 2MICA-045 | 2MICA-052 | 2MICA-063 | 2MICA-075 | 2MICA-083 | 2MICA-092 | 2MICA-105 | 2MICA-125 | 2MICA-140 | 2MICA-160 | 2MICA-190 | 2MICA-210 |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 开启供气口 : A Port 'A' to open | 0.08 | 0.11 | 0.2 | 0.29 | 0.41 | 0.62 | 0.94 | 1.47 | 2.43 | 3.65 | 5.9 | 7.4 |
| 关闭供气口 : B Port 'B' to close | 0.11 | 0.14 | 0.23 | 0.38 | 0.55 | 0.91 | 1.18 | 1.85 | 3.2 | 5.03 | 7.9 | 9.7 |

气动头总重 (kg) / Overall actuator weight (kg)

| 气动执行器 Actuator | 2MICA-045 | 2MICA-052 | 2MICA-063 | 2MICA-075 | 2MICA-083 | 2MICA-092 | 2MICA-105 | 2MICA-125 | 2MICA-140 | 2MICA-160 | 2MICA-190 | 2MICA-210 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 双作用 Double acting (DA) | 1.05 | 1.1 | 1.8 | 2.16 | 2.85 | 4.3 | 6.15 | 8.8 | 12.15 | 20.1 | 38.1 | 45.1 |
| 单作用 Spring return (SR) | 1.12 | 1.23 | 1.95 | 2.43 | 3.15 | 5.05 | 6.95 | 9.25 | 15.3 | 23.8 | 44.8 | 53.6 |

标准和认证

气动执行器平台标准:

- 平台接口和驱动方孔根据 ISO 5211 和 DIN 3337 进行设计
- 与电磁阀和限位开关的接口, 根据 Namur 和 VDI / VDE 3845 标准

欧洲规范:

- 美嘉诺采用的驱动装置符合欧盟规范中有关安全和健康要求。
- ATEX 94 / 9 / EC: 用于潜在爆炸性环境中的设备和防护系统认证。
 - 欧盟规范 98 / 37 / EC & 98 / 79 / EC: 机械安全指令。

Standard & approvals

Interface standard of actuators:

- **ISO flange and drive square according to ISO 5211; DIN 3337**
- Interface for solenoid valve and limit switch box according to Namur standard VDI / VDE 3845

European Directives:

- Meca-Inox actuators are in accordance to the main requirements of safety and health for workers according to the European Directives:
- **ATEX 94 / 9 / EC: Concerning equipment and protective systems intended for use in potentially explosive atmospheres**
 - **Directive 98 / 37 / EC & 98 / 79 / EC: machinery equipment directive**



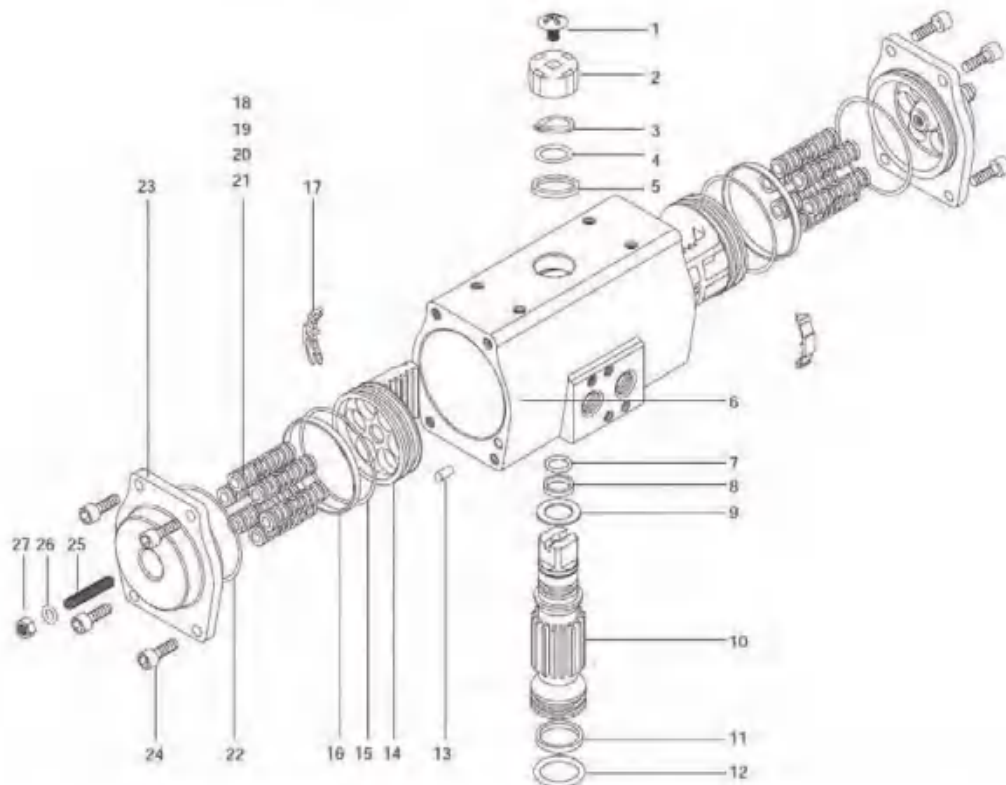
双作用气动执行器操作扭矩 / Double acting operating torques (N.m)

| 气动执行器 Actuator | 气源压力 / Air supply pressure | | | |
|-------------------|----------------------------|-------|-------|-------|
| | 4 bar | 5 bar | 6 bar | 7 bar |
| 2MICA-045DA | 12.1 | 15.1 | 18.1 | 21.1 |
| 2MICA-052DA | 16.1 | 20.2 | 24.2 | 28.2 |
| 2MICA-063DA | 28.4 | 35.5 | 42.6 | 49.7 |
| 2MICA-075DA | 40.3 | 50.3 | 60.4 | 70.5 |
| 2MICA-083DA | 61.6 | 77.1 | 92.5 | 107.9 |
| 2MICA-092DA | 90.9 | 113.6 | 136.3 | 159.1 |
| 2MICA-105DA | 131.6 | 164.4 | 197.3 | 230.2 |
| 2MICA-125DA | 205 | 256 | 308 | 359 |
| 2MICA-140DA | 351 | 439 | 526 | 614 |
| 2MICA-160DA | 535 | 668 | 802 | 935 |
| 2MICA-190DA | 861 | 1077 | 1295 | 1508 |
| 2MICA-210DA | 1052 | 1316 | 1579 | 1842 |

单作用气动执行器操作扭矩 / Spring return operating torques (N.m)

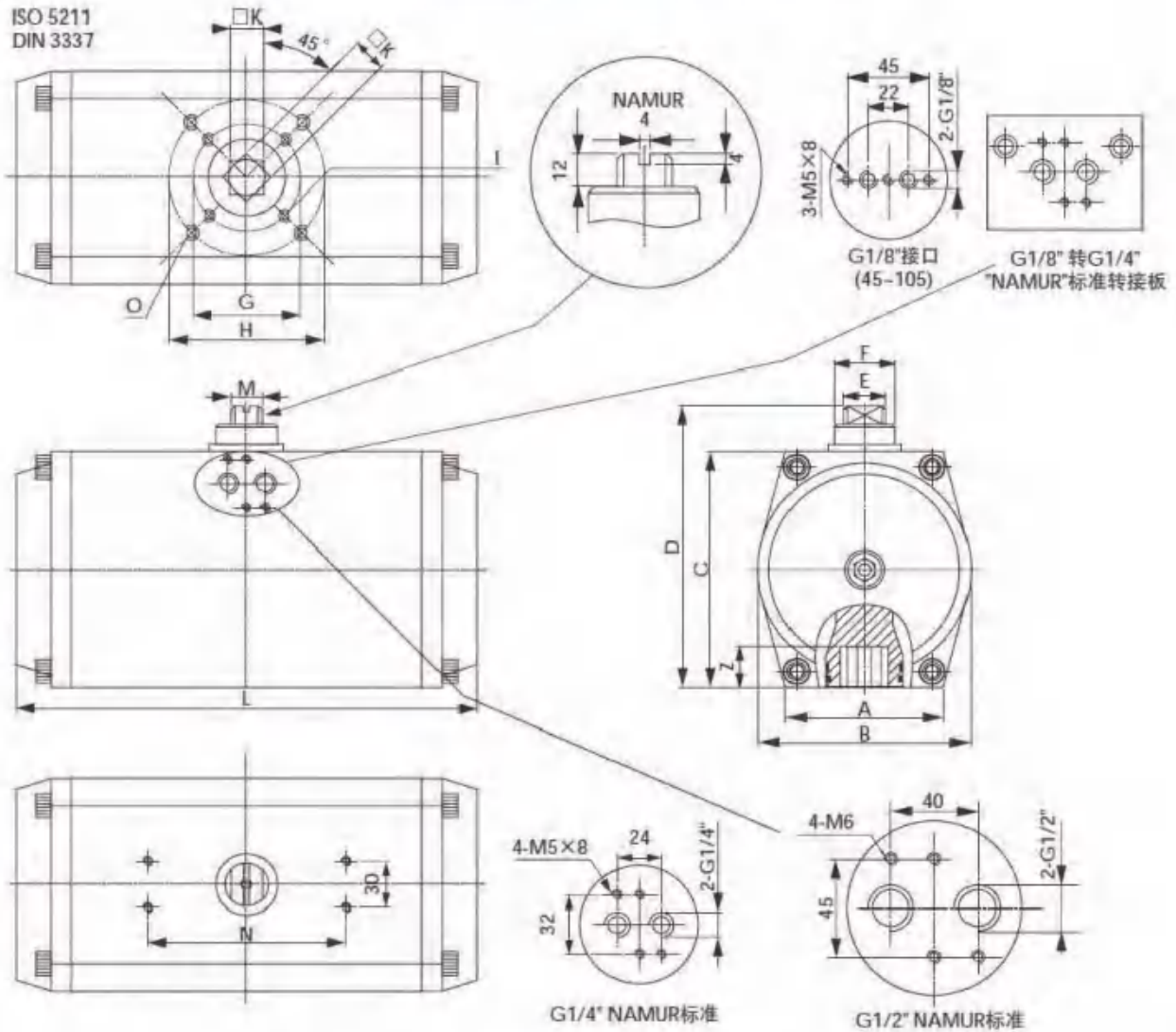
| 型号 Model | 弹簧数量 Number of springs | 弹簧行程 Spring stroke | | 气源压力 / Air supply (bar) | | | | | | | |
|---------------|---------------------------|-----------------------|-----------------|-------------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| | | | | 4 bar | | 5 bar | | 6 bar | | 7 bar | |
| | | 开始 Start (0)° | 结束 End (90)° | 开始 Start (0)° | 结束 End (90)° | 开始 Start (0)° | 结束 End (90)° | 开始 Start (0)° | 结束 End (90)° | 开始 Start (0)° | 结束 End (90)° |
| 2MICA-045SR8 | 2 x 4 | 4.6 | 7.4 | 7.2 | 4.3 | - | - | - | - | - | - |
| 2MICA-045SR10 | 2 x 5 | 5.8 | 9.2 | - | - | 9.0 | 5.4 | - | - | - | - |
| 2MICA-045SR12 | 2 x 6 | 7.0 | 11.1 | - | - | - | - | 10.8 | 6.5 | 13.8 | 9.5 |
| 2MICA-052SR8 | 2 x 4 | 6.8 | 9.9 | 9.0 | 5.7 | - | - | - | - | - | - |
| 2MICA-052SR10 | 2 x 5 | 8.5 | 12.4 | - | - | 11.3 | 7.2 | - | - | - | - |
| 2MICA-052SR12 | 2 x 6 | 10.1 | 14.8 | - | - | - | - | 13.5 | 8.6 | 17.5 | 12.6 |
| 2MICA-063SR8 | 2 x 4 | 10.9 | 16.7 | 16.9 | 10.8 | - | - | - | - | - | - |
| 2MICA-063SR10 | 2 x 5 | 13.7 | 20.9 | - | - | 21.1 | 13.5 | - | - | - | - |
| 2MICA-063SR12 | 2 x 6 | 16.4 | 25.0 | - | - | - | - | 25.3 | 16.2 | 32.4 | 23.3 |
| 2MICA-075SR8 | 2 x 4 | 16.9 | 23.2 | 22.5 | 15.9 | - | - | - | - | - | - |
| 2MICA-075SR10 | 2 x 5 | 21.1 | 29.0 | - | - | 28.1 | 19.8 | - | - | - | - |
| 2MICA-075SR12 | 2 x 6 | 25.3 | 34.7 | - | - | - | - | 33.8 | 23.8 | 43.9 | 33.9 |
| 2MICA-083SR8 | 2 x 4 | 25.3 | 36.8 | 35.0 | 22.8 | - | - | - | - | - | - |
| 2MICA-083SR10 | 2 x 5 | 31.6 | 46.0 | - | - | 43.8 | 28.7 | - | - | - | - |
| 2MICA-083SR12 | 2 x 6 | 38.0 | 55.2 | - | - | - | - | 52.5 | 34.4 | 67.9 | 49.8 |
| 2MICA-092SR8 | 2 x 4 | 37.3 | 55.0 | 51.6 | 33.0 | - | - | - | - | - | - |
| 2MICA-092SR10 | 2 x 5 | 46.7 | 68.7 | - | - | 64.5 | 41.2 | - | - | - | - |
| 2MICA-092SR12 | 2 x 6 | 56.0 | 82.5 | - | - | - | - | 77.5 | 49.5 | 100.1 | 72.3 |
| 2MICA-105SR8 | 2 x 4 | 50.6 | 78.7 | 78.3 | 48.7 | - | - | - | - | - | - |
| 2MICA-105SR10 | 2 x 5 | 63.3 | 98.4 | - | - | 97.8 | 60.8 | - | - | - | - |
| 2MICA-105SR12 | 2 x 6 | 75.9 | 118.1 | - | - | - | - | 117.4 | 73.0 | 150.3 | 105.9 |
| 2MICA-125SR8 | 2 x 4 | 83.8 | 125.4 | 116.8 | 73.0 | - | - | - | - | - | - |
| 2MICA-125SR10 | 2 x 5 | 104.7 | 156.8 | - | - | 145.8 | 91.0 | - | - | - | - |
| 2MICA-125SR12 | 2 x 6 | 125.7 | 188.1 | - | - | - | - | 175.7 | 110.0 | 226.7 | 161.0 |
| 2MICA-140SR8 | 2 x 4 | 137.3 | 206.3 | 206.5 | 133.8 | - | - | - | - | - | - |
| 2MICA-140SR10 | 2 x 5 | 171.6 | 257.9 | - | - | 258.4 | 167.5 | - | - | - | - |
| 2MICA-140SR12 | 2 x 6 | 205.9 | 309.5 | - | - | - | - | 309.3 | 200.2 | 397.3 | 288.2 |
| 2MICA-160SR8 | 2 x 4 | 223 | 333 | 299.8 | 184.2 | - | - | - | - | - | - |
| 2MICA-160SR10 | 2 x 5 | 279 | 417 | - | - | 374 | 229.5 | - | - | - | - |
| 2MICA-160SR12 | 2 x 6 | 335 | 500 | - | - | - | - | 449.2 | 275.7 | 582.1 | 408.7 |
| 2MICA-190SR8 | 2 x 4 | 303 | 469 | 524 | 340 | - | - | - | - | - | - |
| 2MICA-190SR10 | 2 x 5 | 379 | 586 | - | - | 656 | 426 | - | - | - | - |
| 2MICA-190SR12 | 2 x 6 | 455 | 703 | - | - | - | - | 787 | 511 | 1003 | 727 |
| 2MICA-210SR8 | 2 x 4 | 417 | 575 | 589 | 413 | - | - | - | - | - | - |
| 2MICA-210SR10 | 2 x 5 | 521 | 719 | - | - | 737 | 517 | - | - | - | - |
| 2MICA-210SR12 | 2 x 6 | 625 | 863 | - | - | - | - | 884 | 620 | 1147 | 883 |

零部件 Components



| Ref | Description | 名称 | 数量 / Qty | Material | 材料 |
|-----|-------------------------|-----------|----------|-----------------------------------|---------------|
| 1 | Indicator Screw | 指示器螺钉 | 1 | Stainless steel (304) | 不锈钢 |
| 2 | Indicator | 指示器 | 1 | Plastic (ABS) | 塑料 |
| 3 | Circlip | 弹性挡圈 | 1 | Stainless steel (304) | 不锈钢 |
| 4 | Thrust washer | 垫片 | 1 | Stainless steel (304) | 不锈钢 |
| 5 | Outside washer | 外垫片 | 1 | Polyoxymethylene | 工程塑料 |
| 6 | Body | 缸体 | 1 | Extruded aluminum alloy (6005-T5) | 铝合金 (6005-T5) |
| 7 | Inside washer | 上轴“O”型圈 | 1 | NBR | 氟橡胶、丁腈橡胶 |
| 8 | O-ring (pinion top) | 上轴支承圈 | 1 | Polyoxymethylene | 工程塑料 |
| 9 | Bearing (pinion top) | 内垫片 | 1 | Polyoxymethylene | 工程塑料 |
| 10 | Pinion | 轴 | 1 | #45 steel | #45 钢 |
| 11 | Bearing (pinion bottom) | 下轴支承圈 | 1 | Polyoxymethylene | 工程塑料 |
| 12 | O-ring (pinion bottom) | 下轴“O”型圈 | 1 | NBR | 氟橡胶、丁腈橡胶 |
| 13 | Plug | 塞头 | 2 | NBR | 橡胶 |
| 14 | Piston | 活塞 | 2 | Die-casting aluminum (101A) | 压铸铝 (101A) |
| 15 | O-ring (piston) | 活塞“O”型圈 | 2 | NBR | 氟橡胶、丁腈橡胶 |
| 16 | Bearing (piston) | 活塞支承圈 | 2 | Polyoxymethylene | 工程塑料 |
| 17 | Guide (piston) | 活塞导板 | 2 | Nylon66 | 尼龙 66 |
| 18 | Spring | 弹簧 | * | Spring steel | 弹簧钢 |
| 19 | Spring retainer (L) | 弹簧左套 | * | Nylon66 | 尼龙 66 |
| 20 | Spring retainer (R) | 弹簧右套 | * | Nylon66 | 尼龙 66 |
| 21 | Retainer connector | 弹簧套连杆 | * | Brass | 铜 |
| 22 | O-ring (End-cap) | 端盖“O”型圈 | 2 | NBR | 氟橡胶、丁腈橡胶 |
| 23 | End-cap | 端盖 | 2 | Die-casting aluminum (ADC12) | 压铸铝 (ADC12) |
| 24 | End-cap screw | 端盖紧固螺杆 | 8 | Stainless steel (304) | 不锈钢 (304) |
| 25 | Adjust screw | 调节螺杆 | 2 | Stainless steel (304) | 不锈钢 (304) |
| 26 | O-ring (adjust screw) | 调节螺杆“O”型圈 | 2 | Stainless steel (304) | 不锈钢 (304) |
| 27 | Nut (adjust screw) | 调节螺杆螺母 | 2 | NBR | 氟橡胶、丁腈橡胶 |

外形尺寸 Overall dimensions



| 型号 / Model | A | B | C | D | E | F | G | H | I | K | L | M | N | O | Z | Airconnection 气源接口 |
|------------|-----|-------|-------|-------|----|----|-----|-----|--------|----|-----|----|-----|--------|----|-----------------------|
| 2MICA-045 | 48 | 58 | 65 | 95 | 12 | 14 | F04 | F05 | M5×8 | 11 | 146 | 10 | 80 | M6×10 | 14 | G1/8" |
| 2MICA-052 | 50 | 59 | 74 | 104 | 12 | 14 | F04 | F05 | M5×8 | 11 | 146 | 10 | 80 | M6×10 | 14 | G1/8" |
| 2MICA-063 | 60 | 72 | 88 | 118 | 12 | 18 | F05 | F07 | M6×10 | 14 | 168 | 10 | 80 | M8×13 | 18 | G1/8" |
| 2MICA-075 | 65 | 83 | 100 | 130 | 12 | 18 | F05 | F07 | M6×10 | 14 | 184 | 10 | 80 | M8×13 | 18 | G1/8" |
| 2MICA-083 | 67 | 90 | 109 | 139 | 14 | 18 | F05 | F07 | M6×10 | 17 | 204 | 10 | 80 | M8×13 | 21 | G1/8" |
| 2MICA-092 | 76 | 104 | 120 | 150 | 18 | 25 | F05 | F07 | M6×10 | 17 | 260 | 14 | 80 | M8×13 | 21 | G1/8" |
| 2MICA-105 | 90 | 115 | 133 | 163 | 20 | 25 | F07 | F10 | M8×13 | 22 | 268 | 14 | 80 | M10×16 | 26 | G1/8" |
| 2MICA-125 | 104 | 140 | 155 | 185 | 28 | 40 | F07 | F10 | M8×13 | 22 | 298 | 20 | 130 | M10×16 | 26 | NAMUR G1/4" |
| 2MICA-140 | 107 | 152 | 171.5 | 201.5 | 28 | 40 | F10 | F12 | M10×16 | 27 | 390 | 20 | 130 | M12×20 | 31 | NAMUR G1/4" |
| 2MICA-160 | 128 | 175.8 | 197 | 227 | 36 | 40 | F10 | F12 | M10×16 | 27 | 458 | 28 | 130 | M12×20 | 31 | NAMUR G1/4" |
| 2MICA-190 | 135 | 206 | 230 | 260 | 45 | 60 | - | F14 | - | 36 | 525 | 32 | 130 | M16×25 | 40 | NAMUR G1/4" |
| 2MICA-210 | 135 | 226 | 255 | 285 | 45 | 60 | - | F14 | - | 36 | 532 | 32 | 130 | M16×25 | 40 | NAMUR G1/4" |



AQL

AQ1L-AQ3L-AQ7L

- 1x85-260V AC 50/60Hz +24VDC
- 12VDC (可选)

开关级 Class A (标准)

> 选配

- + 低温 -40°
- + 位置信号 (4-20mA输出)
- + 定位器 (4-20mA输入/输出) > Class B



AQ SWITCH

AQ5-AQ10-AQ15-AQ25-AQ30-AQ50

- 1x115/220/230VAC 50/60Hz
- 3x380-415VAC 50/60Hz
- 3x440-480VAC 60Hz
- 24VDC

开关级 Class A (标准)

> 选配

- + 低温 -40°
- + 位置电位器 (1000Ω) > Class B (POT)
- + 位置变送器 (4-20mA输出) > Class B (TAM)



AQ LOGIC

AQ5-AQ10-AQ15-AQ25-AQ30-AQ50

- 1x115/220/230VAC 50/60Hz
- 3x380-415VAC 50/60Hz
- 3x440-480VAC 60Hz
- 24VDC

开关级 Class A (标准)

> 选配

- + 低温 -40°
- + Class B (定位器4-20mA输入/输出)
- + Class III (定位器4-20mA输入/输出)
- + 4个补充信号继电器
- + Profibus DPV1
- + Modbus RTU

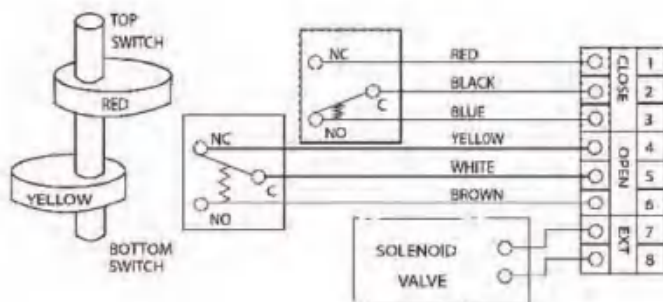
限位开关

安全区域



Limit switch box

Safe area



防护
IP67

外壳
铝制模具成型，聚酯粉末喷涂
VDI / VDE 3845 支架

布线
2 x 1/2" G 螺纹

信号
2 x SPDT 机械开关

位置指示
在限位开关盒的顶部 (开 / 关)

技术参数
电压: 最大 250 V
电流: 最大 16 A
温度: -20°C 到 80°C

Protection
IP67

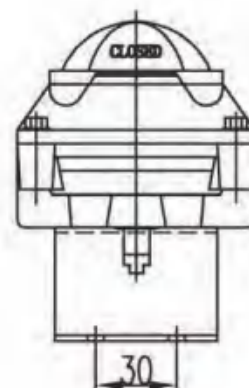
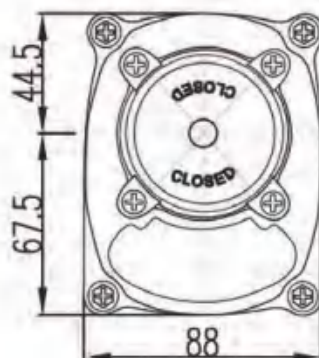
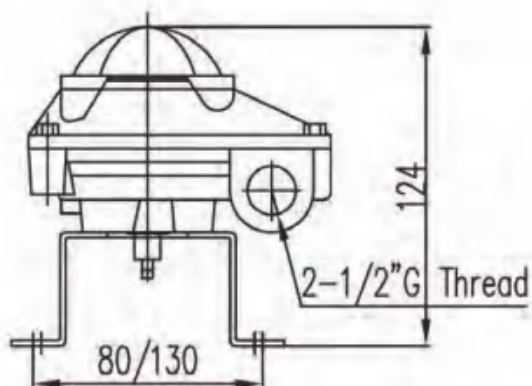
Housing
Polyester powder coated die-casted aluminium
Bracket according to VDI / VDE 3845

Cabling
2 x 1/2" G thread

Signal
2 x SPDT mechanical switches

Position indication
On the top of the box (Open / Closed)

Technical data
Voltage: 250V max
Current: 16A max
Temperature: -20°C to 80°C



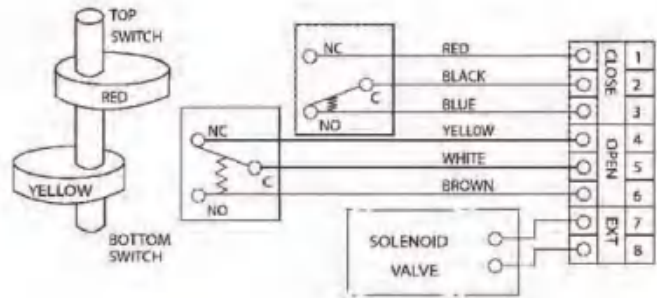
EEEx"d"限位开关

爆炸危险区域



Limit switch box EEEx"d"

'Hazardous area' protection



保护

IP67

隔爆型 Ex d IIC T6

Protection

IP67

Explosion proof Ex d IIC T6

外壳

铝制铸造成型，聚酯粉末喷涂
VDI / VDE 384支架

Housing

Polyester powder coated die-casted aluminium
Bracket according to VDI / VDE 3845

布线

2 x 3/4" NPT螺纹

Cabling

2 x 3/4" NPT thread

信号

2 x SPDT机械开关

Signal

2 x SPDT mechanical switches

位置指示

在限位开关盒的顶部 (开 / 关)

Position indication

On the top of the box (Open / Closed)

技术参数

电压: 最大 250V

电流: 最大 16A

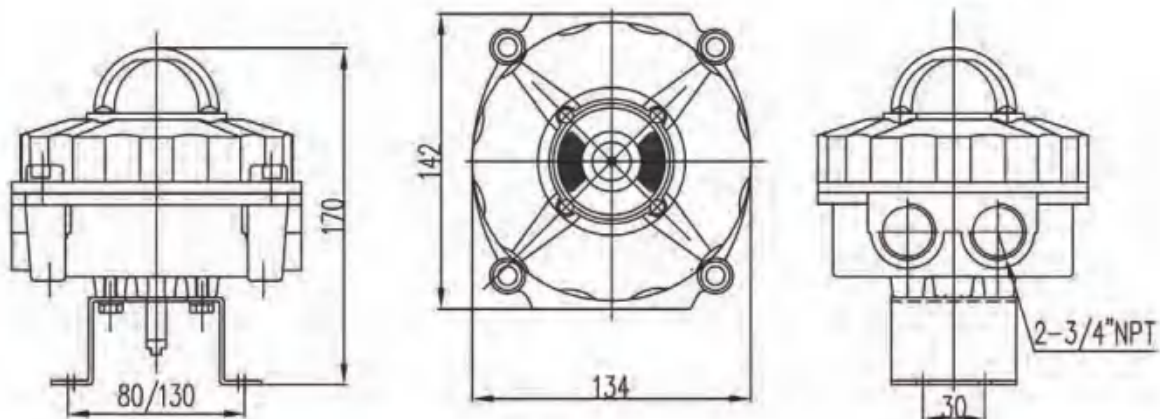
温度: -20° C到 80° C

Technical data

Voltage: 250V max

Current: 16A max

Temperature: -20°C to 80°C



ASCO 电磁阀

安全区域

Solenoid valve ASCO

Safe area



G531 型电磁阀

5/2 - 3/2 型式
阀体作阳极铝处理
空气或中性气体 (经过滤)
压力: 2 到 10 bar
空气流量 (6 bar): 1100 l / min
温度: -10°C 到 +60°C
外壳 IP65
带手动操作螺栓

IP65 先导阀

型号: SCG 531
标准电压: 24VDC, 24VAC, 115VAC, 230 VAC 50Hz
接头 M 20x1.5

Solenoid valve G531 type

5/2 - 3/2 type
Body in anodized aluminium
Supply: air, neutral gas (filtered)
Pressure: 2 to 10 bar
Air flowrate (Qv at 6 bar): 1100 l / min.
Temperature: -10°C to +60°C
Housing IP65
Manual override

IP65 pilot

Type: SCG 531
Voltages: 24VDC, 24VAC, 115VAC, 230VAC 50Hz
Gland entry M20 x 1.5

ASCO EEx"d"电磁阀

爆炸危险区域 (ATEX)

EEx"d" solenoid valve ASCO

'Hazardous area' protection (ATEX)



G551 LPKF 型号电磁阀

5/2 - 3/2 型式
手动操作螺栓
铝制阀体
空气或中性气体 (经过滤)
压力: 2 到 10 bar
空气流量 (6 bar): 900 l / min
温度: -40°C 到 60°C
外壳 IP67
符合 CEI 335

EEx"d" 先导阀

防护等级: II 2G Ex d IIB + H2 Gb T6
电压
DC: 24VDC, 48VDC
AC 50Hz: 24VAC, 48VAC, 115VAC, 230VAC
对直径在 6 - 12mm 的非铠装电缆交货时带此接头

Spool valve Asco G551 LPKF

5/2 and 3/2 type
Manual override
Aluminium body
Supply: air, neutral gas (filtered)
Pressure: 2 to 10 bar
Air flowrate (6 bar): 900 l / min.
Temperature: -40°C to +60°C
IP67 Housing
Compliant to CEI 335

EEx "d" pilot

Protection: II 2G Ex d IIB + H2 Gb T6
Voltage (Power):
DC: 24VDC, 48VDC
AC 50Hz: 24VAC, 48VAC, 115VAC, 230VAC
Delivered with cable gland packing for unarmored cable
diameter: 6 - 12mm

感应器

安全区域



防护

IP67

感应器

两个 PBTP 模制传感器
防抖动及震动
VDI / VDE 3845

布线

M 18 接头

信号

两个常开感应器，带目标盘

位置指示

两个黄色 LED 灯

技术参数

电压: 10 到 36 VDC
电流: 250mA
温度: -20°C 到 80°C

可选项

可定制其它型号的 IFM 感应器

Inductive sensor

Safe area



Protection

IP67

Sensors

2 sensors moulded in PBTP.
Shocks and vibrations resistant
VDI / VDE 3845

Cabling

M 18 connector

Signal

2 inductive sensors normally open with target puck

Position Indication

2 yellow LED

Technical data

Voltage: 10 to 36 VDC
Current: 250mA
Temperature : - 20°C to +80°C

On request

Other types of IFM sensors

EEx"ia"感应传感器

爆炸危险区域 (ATEX)



防护

本质安全 EEx"ia" IIC T6
ATEX 94 / 9 / EC II 2GD
IP67 (防水、空气、尘)

感应器

两个 PBTP 模制感应器
VDI / VDE 3845 防抖动及震动

布线

M 18 接头

信号

两个常开感应器，带目标盘

位置指示

两个黄色 LED 灯

技术参数

电压: 7.5 to 15 VDC
名义电压: 8.2 VDC (Namur)
电流: < 1mA (阻尼电流)
> 2.1mA (感应电流)
温度: -20°C 到 70°C

可选项

可定制其他型号的 IFM 感应器

Inductive sensors EEx"ia"

'Hazardous area' protection (ATEX)



Protection

Intrinsically safe EEx"ia" IIC T6.
ATEX 94 / 9 / EC II 2GD
IP67 (splatterings of water, air, dust)

Sensors

2 sensors moulded in PBTP.
Shocks and vibrations resistant VDI / VDE 3845

Cabling

M 18 connector

Signal

2 inductive sensors normally close with target puck

Position Indication

2 yellow LED

Technical data

Voltage: 7.5 to 15 VDC
Nominal voltage: 8.2VDC (Namur)
Current: < 1mA (damped)
> 2.1mA (undamped)
Temperature: -20°C à +70°C

On request

Other types of IFM sensors