

02.622系列

不锈钢法兰式球阀

Stainless steel flanged ball valve



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DATASHEET



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不锈钢法兰式球阀 / Stainless steel flanged ball valve

此系列球阀阀体材质为CF8-M不锈钢，球体为浮球，严格按照相关的产品质量标准生产，符合ISO 9001标准。

适用于化工和工业系统，供热和空调系统，集中供热，农业系统，介质可以是油类及碳氢化合物。（请确保您的选择与适用范围一致）

YES: 可安装于管路中部及末端，可频繁开启，可连接手动、电动和气动执行器。

全口径可有效减少流体扰动和水头损失。

NO: 不适用于蒸汽系统及流量调节。

Shut-off ball valve split-body type with the body in stainless steel CF8-M with a floating ball, manufactured in accordance with the most severe product standards and the quality management of ISO 9001.

Suitable for chemical and industrial plants, for heating and conditioning (HVAC), district heating, agricultural applications, oils and hydrocarbons. (Please ensure the choice of the corresponding item)

YES: *for installation in line and end of line, for services with frequent actuation, suitable for installation of manual, electric and pneumatic servo commands.*

Full and straight bore reducing turbulences and minimizing head loss.

NO: *for steam, for choking and regulation of the flow.*

驱动器

- 气动执行器：单作用/双作用
- 电动执行器
- 齿轮箱

Actuators

- Double acting and single acting pneumatic actuators
- Electric actuators
- Gear box

认证 / Certifications



符合2014/68/UE (ex 97/23/CE PED) 标准

In conformity with directive 2014/68/UE (ex 97/23/CE PED)

结构及检测标准:

法兰标准: EN 1092 ISO 7005

结构长标准: EN558/1 ISO5752

设计标准: EN12516, ISO 5211

检测标准: EN 12266 cat. A (ISO 5208 cat. A)

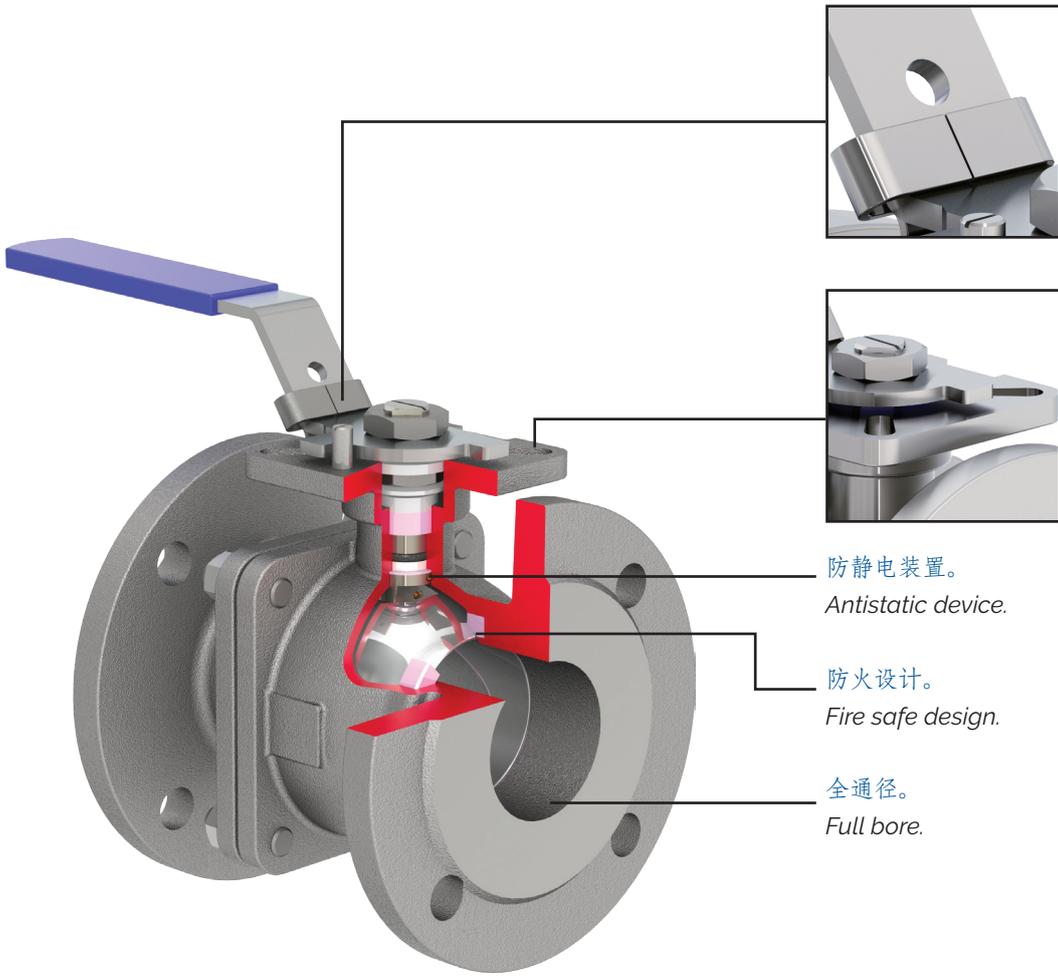
Design and testing standards (correspondences):

Flanges: EN 1092 ISO 7005

Face-to-face: EN558/1 ISO5752

Design: EN12516, ISO 5211

Testing: in accordance with EN 12266 cat. A (ISO 5208 cat. A)



可锁定。
Lockable.

ISO 5211标准上法兰。
With ISO 5211 flange integrated.

防静电装置。
Antistatic device.

防火设计。
Fire safe design.

全通径。
Full bore.

不锈钢法兰式球阀 / Stainless steel flanged ball valve

ASTM A351 CF8M



02.622

阀体: AISI316
 阀球: AISI316
 阀杆: AISI304
 工作温度: -25 + 150 °C

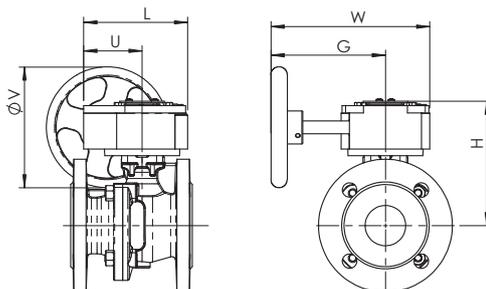
Body: Stainless steel
 Ball: Stainless steel
 Stem: Stainless steel
 Temp: -25 +150 °C

驱动器和附件 / Actuators and accessories



02.622 + RM

齿轮箱
 Gear box

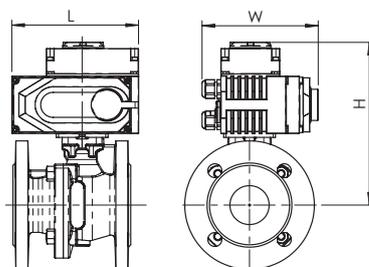


| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 02.622 + RM | RM.0250 | RM.0250 | RM.0250 | RM.0250 | RM.0250 | RM.0250 | RM.0250 | RM.0250 | RM.0250 | RM.1200 | RM.1200 |
| L | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 205 | 205 |
| U | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 124 | 124 |
| H | 110 | 115 | 120,5 | 133 | 138 | 146,5 | 163,5 | 173,5 | 203 | 240 | 264 |
| W | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 345 | 345 |
| G | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 260 | 260 |
| V | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 300 | 300 |
| 重量 / Weight Kg | 6,5 | 7,3 | 8,5 | 10,3 | 11,7 | 14,5 | 17,8 | 22,3 | 30,8 | 62,8 | 89,1 |

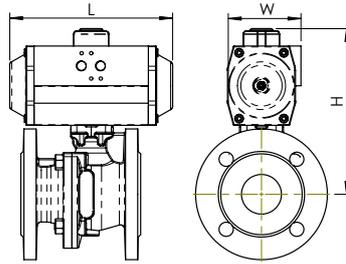


02.622 + AOX

电动执行器
 Electric Actuators

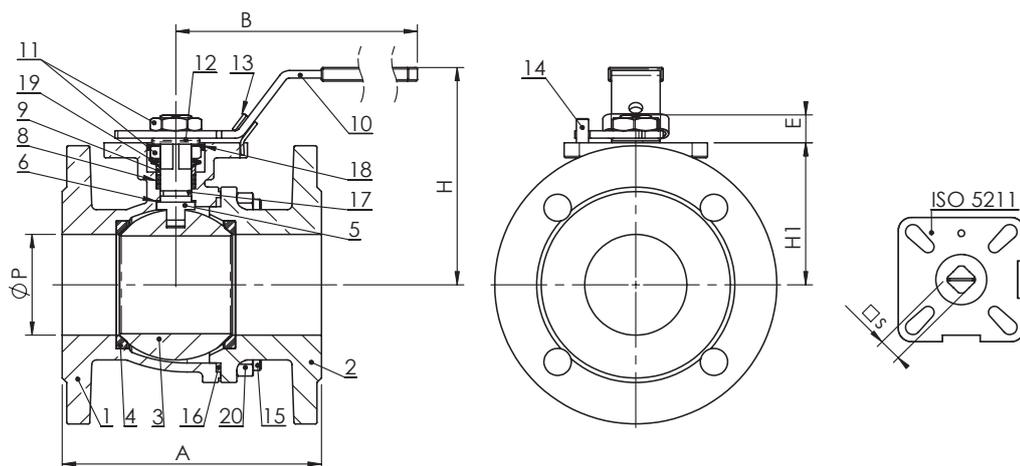


| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|----------------|-----|-----|-----|-----|-----|------|------|------|------|-----|------|
| 02.622 + AOX | 003 | 003 | 003 | 005 | 005 | 005 | 010 | 015 | 020 | 060 | 060 |
| L | 123 | 123 | 123 | 160 | 160 | 160 | 189 | 189 | 268 | 268 | 268 |
| H | 161 | 166 | 172 | 192 | 197 | 206 | 231 | 241 | 305 | 404 | 428 |
| W | 100 | 100 | 100 | 121 | 121 | 121 | 145 | 145 | 225 | 225 | 225 |
| 重量 / Weight Kg | 4,3 | 5,1 | 6,3 | 9,6 | 11 | 13,8 | 18,1 | 22,6 | 39,5 | 50 | 66,5 |



02.622 + AP
 气动执行器
 Pneumatic actuator

| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---------------------------------------|------|------|------|------|--------|--------|--------|-------|--------|-------|-------|
| 02.622 + AP DE - DA | AP1 | AP1 | AP2 | AP2 | AP3 | AP3 | AP3.5 | AP4 | AP4.5 | AP5 | AP5.5 |
| L | 142 | 142 | 155 | 155 | 213 | 213 | 236 | 276 | 310 | 366 | 388 |
| H | 135 | 140 | 162 | 174 | 196 | 205 | 232 | 257 | 313 | 425 | 470 |
| W | 60 | 60 | 73 | 73 | 85 | 85 | 98 | 110 | 128 | 140 | 160 |
| 重量 / Weight Kg | 3.2 | 4 | 5.62 | 7.42 | 9.94 | 12.74 | 17.18 | 23.1 | 34.74 | 46.1 | 66.44 |
| 02.622 + AP SE - 弹簧复位 / SPRING RETURN | AP2S | AP2S | AP3S | AP3S | AP3.5S | AP3.5S | AP4.5S | AP5S | AP5.5S | AP6S | AP8S |
| L | 155 | 155 | 213 | 213 | 236 | 236 | 310 | 366 | 388 | 468 | 563 |
| H | 151 | 156 | 179 | 191 | 206 | 215 | 274 | 297 | 407 | 470 | 564 |
| W | 73 | 73 | 85 | 85 | 98 | 98 | 128 | 140 | 160 | 175 | 215 |
| 重量 / Weight Kg | 3.76 | 4.56 | 7.3 | 9.1 | 11.7 | 16.4 | 23.17 | 30.62 | 43.59 | 59.86 | 97.32 |



材质 / Materials

| 组件 - Component | 材质 - Material |
|-----------------------------|---|
| 1 阀体 - Body | 不锈钢 - Stainless steel ASTM A351 CF8M |
| 2 法兰 - Flange | 不锈钢 - Stainless steel ASTM A351 CF8M |
| 3 球阀 - Ball | 不锈钢 - Stainless steel AISI 316 |
| 4 球座 - Ball seat | 加强型PTFE - Reinforced PTFE |
| 5 阀杆 - Stem | 不锈钢 - Stainless steel AISI 316 |
| 6 滑动垫圈 - Sliding washer | PTFE |
| 8 阀杆填料 - Stem packing | PTFE |
| 9 压块 - Pressing bush | 不锈钢 - Stainless steel AISI 304 |
| 10 手柄 - Lever | AISI 304 (带塑料把套) - AISI 304 with plastic sleeve |
| 11 六角螺母 - Hex Nut | 不锈钢 - Stainless steel AISI 304 |
| 12 圆环 - Ring | 不锈钢 - Stainless steel AISI 304 |
| 13 定位板 - Stop pin pad | 不锈钢 - Stainless steel AISI 304 |
| 14 限位柱 - Stop pin | 不锈钢 - Stainless steel AISI 304 |
| 15 双头螺栓 - Stud bolt | 不锈钢 - Stainless steel AISI 304 |
| 16 阀体密封圈 - Body seal | PTFE |
| 17 O型圈 - O-ring | FKM (Viton®) |
| 18 垫片 - Spacer | 不锈钢 - Stainless steel AISI 304 |
| 19 碟形弹簧 - Belleville Spring | 不锈钢 - Stainless steel AISI 301 |
| 20 六角螺母 - Hex nut | 不锈钢 - Stainless steel AISI 304 |

尺寸 (mm) / Dimensions (mm)

| DN | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|----------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| P | | 15 | 20 | 25 | 32 | 38 | 50 | 65 | 76 | 100 | 120 | 150 |
| A | EN558/1 - 14 | 115 | 120 | 125 | 130 | 140 | 150 | 170 | 180 | 190 | - | - |
| A | EN558/1 - 15 | - | - | - | - | - | - | - | - | - | 325 | 350 |
| H | | 82 | 87 | 90 | 100 | 116 | 125 | 154 | 164 | 180 | 228 | 246 |
| H1 | | 43 | 53 | 58.5 | 71 | 76 | 85 | 100 | 112 | 125 | 155 | 173 |
| B | | 117 | 117 | 164 | 164 | 203 | 203 | 255 | 255 | 302 | 600 | 600 |
| C | | 95 | 105 | 115 | 140 | 150 | 165 | 185 | 200 | 220 | 250 | 285 |
| F | EN 1092/1 PN16 | 65 | 75 | 85 | 100 | 110 | 125 | 145 | 160 | 180 | 210 | 240 |
| n° x d | | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 | 4 x 18 | 8 x 18 | 8 x 18 | 8 x 18 | 8 x 22 |
| ISO 5211 | | F03/F04 | F03/F04 | F04/F05 | F04/F05 | F05/F07 | F05/F07 | F07/F10 | F07/F10 | F07/F10 | F10/F12 | F10/F12 |
| E | | 8 | 8 | 11 | 11 | 14 | 14 | 17 | 17 | 17 | 22 | 22 |
| S | | 9 | 9 | 11 | 11 | 14 | 14 | 17 | 17 | 17 | 22 | 22 |

重量 (kg) / Weight (kg)

| kg | | 2.2 | 3 | 4.2 | 6 | 7.4 | 10.2 | 13.5 | 18 | 26.5 | 50.5 | 76.8 |
|----|--|-----|---|-----|---|-----|------|------|----|------|------|------|
| | | | | | | | | | | | | |

扭矩 (Nm) / Operating torque (Nm)

| Nm | | 5 | 8 | 10 | 14 | 18 | 25 | 48 | 75 | 110 | 200 | 300 |
|----|--|---|---|----|----|----|----|----|----|-----|-----|-----|
| | | | | | | | | | | | | |

注意: 请将扭矩数值乘以1.5倍作为选择驱动装置的依据。

N.B.: In order to choose the right actuator, we recommend multiplying the operating torque figure by a safety coefficient, K=1.5

最大工作压力 / Maximum pressure

| 类型 - Article | 压力 - bar |
|--------------|----------|
| 02.622 | 16 bar |

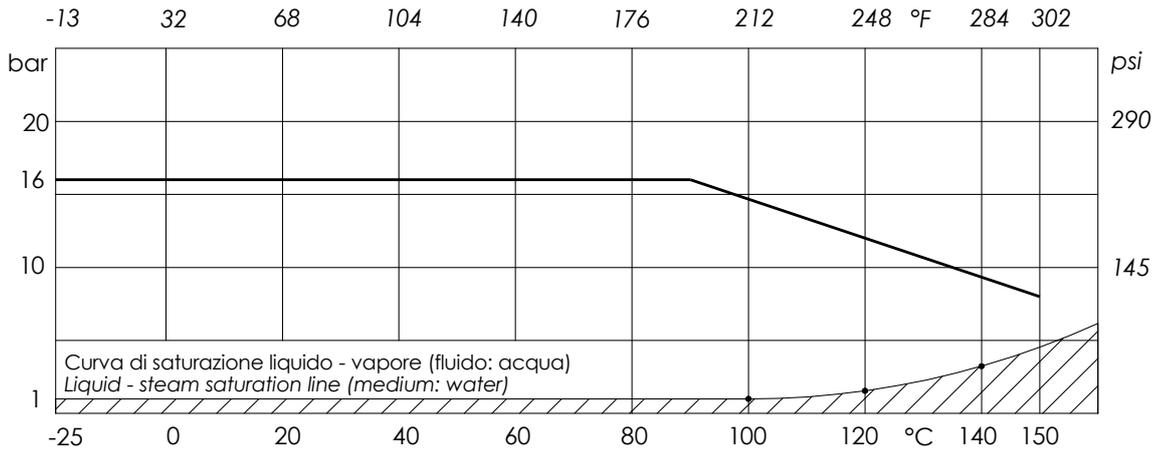
工作温度 / Temperature (°C)

| 温度 - Temperature | 最低 - Min | 最高 - Max |
|------------------|----------|----------|
| | -25 | 150 |

注意：温度上升时最大工作压力会有所下降；详情请参考压力温度曲线

NB: the maximum working pressure decreases while the temperature increases; please refer to "pressure/temperature"

压力温度曲线 - Pressure/temperature chart

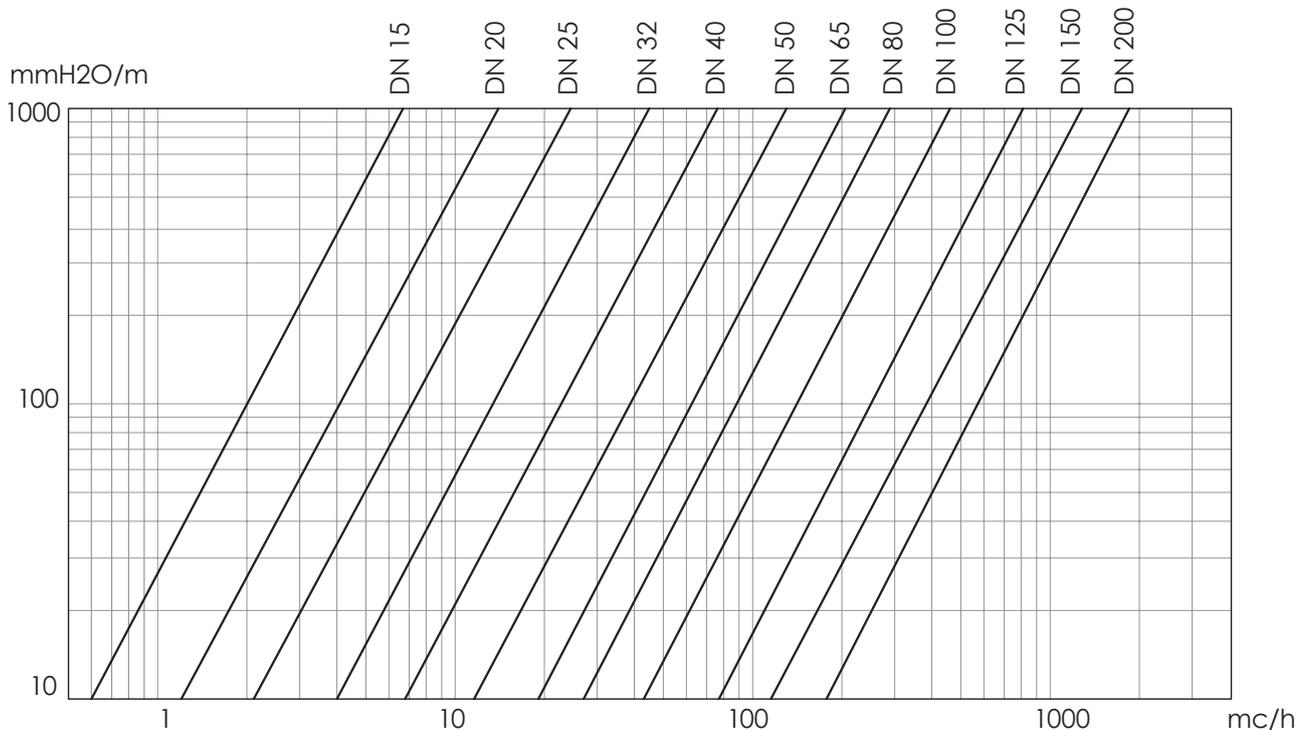


不适用于蒸汽系统。当工作温度和压力处于饱和蒸汽压曲线（阴影区域）下方时，请勿使用该阀门。

RANGE NOT SUITABLE FOR STEAM. DO NOT use when temperature and pressure are below the liquid-steam saturation line (hatched area)



水头损失 介质：水 (1m H₂O = 0.098bar) / Head loss Fluid: water (1m H₂O = 0.098bar)



Kv - DN表 / Kv - DN chart

| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | |
|----|------|------|------|------|-------|-----|-----|-----|-----|-------|-------|-------|-------|
| Kv | mc/h | 22.3 | 47.7 | 83.5 | 150.4 | 255 | 435 | 672 | 947 | 1'508 | 2'633 | 4'261 | 5'957 |

储存

请保存在密闭干燥的环境中。

维护

此类阀门无需维护。

建议

阀门进行任何维修或拆卸前，请确保：管路、阀门和流体已冷却；压力已卸去；管路及管道中的有毒、易燃、有腐蚀性的流体已排净。

50°C以上及0°C以下的流体可能会对人体造成伤害。

安装

- 小心装卸。
- 阀门安装时需保证其处于全开或全闭状态。
- 将阀门放置在管路法兰之间，并在管路和阀门法兰间放置密封垫圈。检查密封垫圈的位置是否正确。
- 管路对应法兰间的距离应与阀门结构长相等。不能用螺栓将法兰硬拉过来。最后需将螺栓交叉拧紧。
- 不能在阀门与法兰连接后，再去将法兰管路焊接。
- 水锤作用会导致阀门损坏或破裂。倾斜、扭转、阀门管路中心线与管路未对准会使阀门受力。建议安装弹性接头等来尽量减少管路的震荡。
- 低于0°C时，阀体与阀球间的流体可能结冻，造成无法逆转的损坏。如阀门暴露在这样的条件下，建议将阀门隔离处理。
- 建议定期开关阀门，以防阀球及阀座表面杂质堆积，特别是流体中存在较多钙离子时。

处置

对于输送危险介质（有毒、腐蚀性……）的阀门，如果阀门中可能残留残余物，请采取适当的安全预防措施并进行必要的清洁。负责人员必须经过培训并配备适当的防护装置。

在处置之前，请按照不同材料拆卸阀门并分离组件。请参考产品资料获取更多信息。根据当地和现行有效的法规并在考虑环境的情况下，将分类的物料送交回收利用（例如金属材料）或进行处置。

STORING

Keep in a dry and closed place

MAINTENANCE

The valve does not require maintenance.

RECOMMENDATIONS

Before carrying out maintenance, or dismantling the valve, be sure that the pipes, valves and liquids have cooled down, that the pressure has decreased and that the lines and pipes have been drained in case of toxic, corrosive, inflammable or caustic liquids.

Temperatures above 50°C and below 0°C might cause damage to people.

INSTALLATION

- Handle with care.

- The valve must be installed in the ON or OFF position.

- Place the valve between the flanges of the pipe and install the seal between the pipe and valve flanges. Check the correct position of the seals.

- The distance between the counter flanges should be equal to the valve's face-to-face distance. Do not use bolts of the counter flanges to bring the piping close to the valve. The bolts should be cross tightened.

- Do not weld the flanges to the piping after installing the valve

- Water hammers might cause damage and ruptures. Inclination, torsions and misalignments of the piping may subject the installed valve to excessive stresses. It is recommended that elastic joints be used in order to reduce such effects as much as possible.

- At sub-zero temperatures, the liquid between the body and ball may freeze, causing irreparable damage. If the valve is exposed to such conditions, insulation of the valve is recommended.

- It is recommended that the valve be operated periodically, to prevent the build-up of materials on the ball and the seats.

DISPOSAL

For valve operating with hazardous media (toxic, corrosive...), if there is a possibility of residue remaining in the valve, take due safety precaution and carry out required cleaning operation. Personnel in charge must be trained and equipped with appropriate protection devices.

Prior to disposal, disassemble the valve and separate the component according to various materials. Please refer to product literature for more information. Forward sorted material to recycling (e.g. metallic materials) or disposal, according to local and currently valid legislation and under consideration of the environment.