FOYO VALVE

Professional Ceramic Valve Manufacturer for High Corrosive and Abrasive Applications



FOYO VALVE

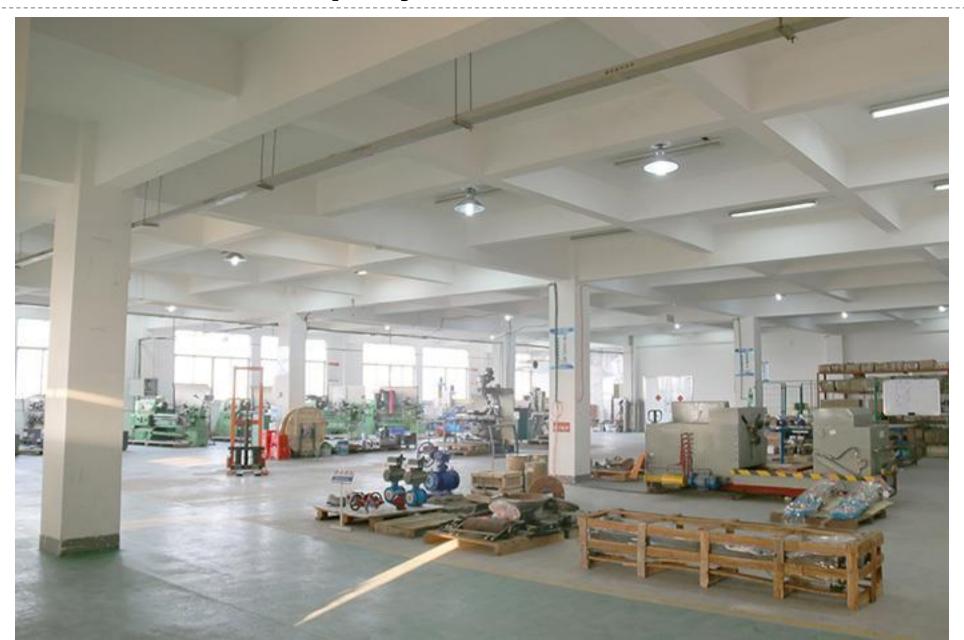
CONTENTS

- 1 Company Profile
- 2 Products
- 3 Management and QC
- 4 MARKETS
- 5 PROSPECTS



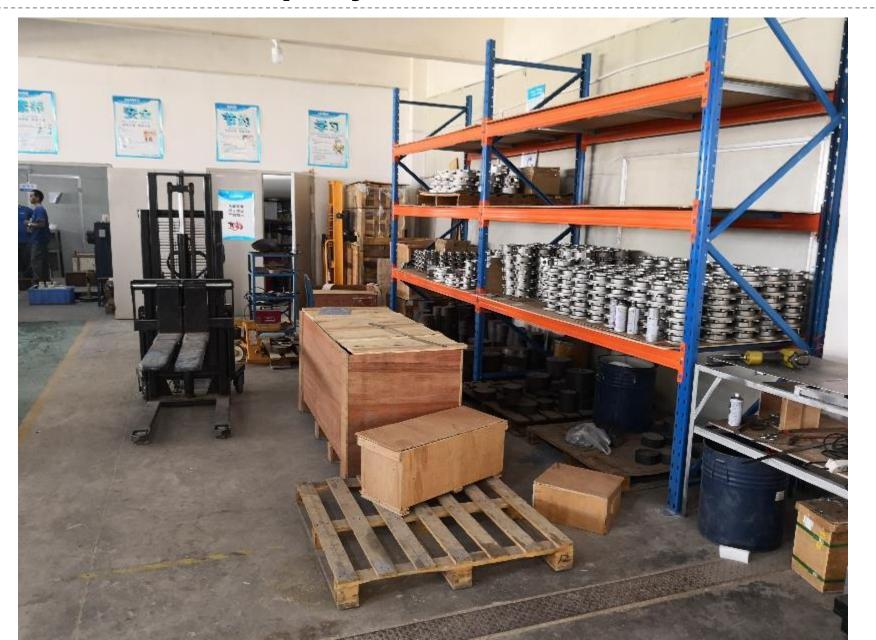
FOYO has professional R&D technical team, who has rich experience of design, production and application of ceramic valves. FOYO products range includes fully lined ceramic ball valve, V port ceramic control ball valve, ceramic double disc gate valve, ceramic butterfly valve, ceramic segment ball valve, ceramic double disc gate valve, ceramic knife gate valve, ceramic wedge gate valve, ceramic globe valve and ceramic check valve, ceramic pipe fittings and so on. Meanwhile FOYO can offer professional anti-abrasive, anti-corrosive and high temperature fluid control solutions.

FOYO ceramic valves and pipe fittings have been exported to North America, South America, Europe, Middle East, Southeast Asia, etc. Product application field covers coal-fired power plant, steel mill, metallurgy, mining, coal chemical industry, polysilicon, papler&pulp, lithium battery, petrochemical and so on. Quality is the life of enterprise! FOYO always put quality at the first place and adhere to technical innovation.



















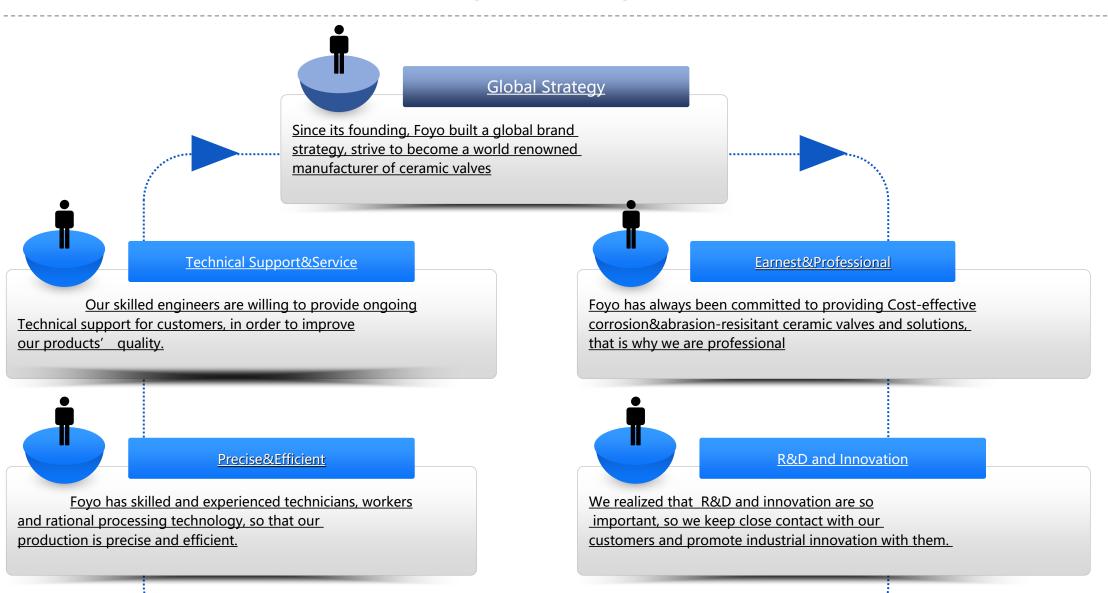




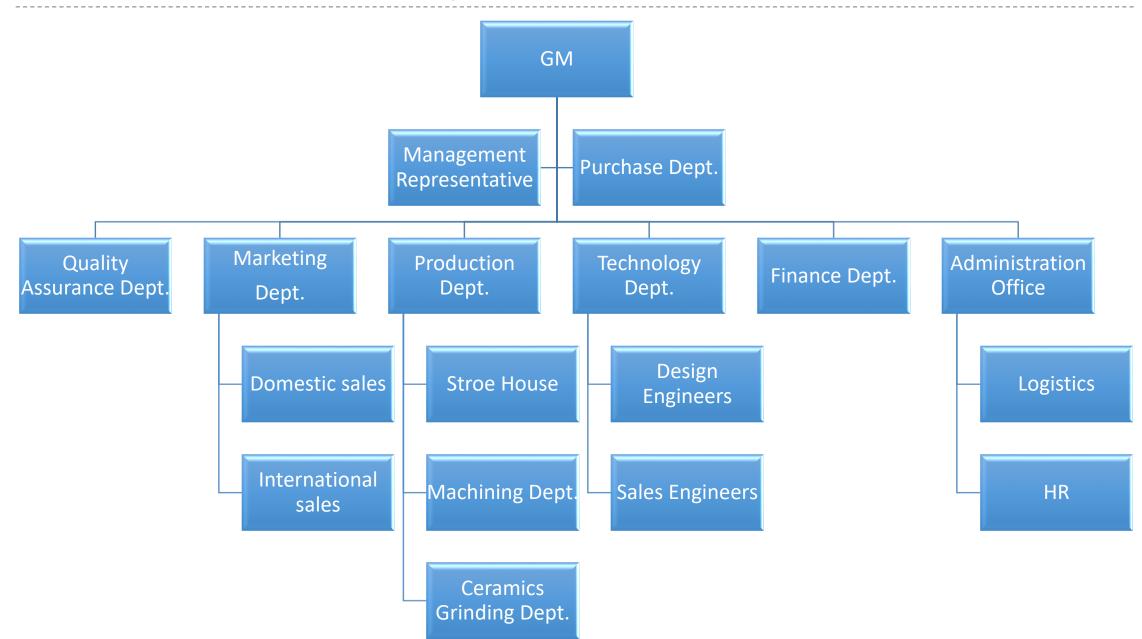




STRATEGY

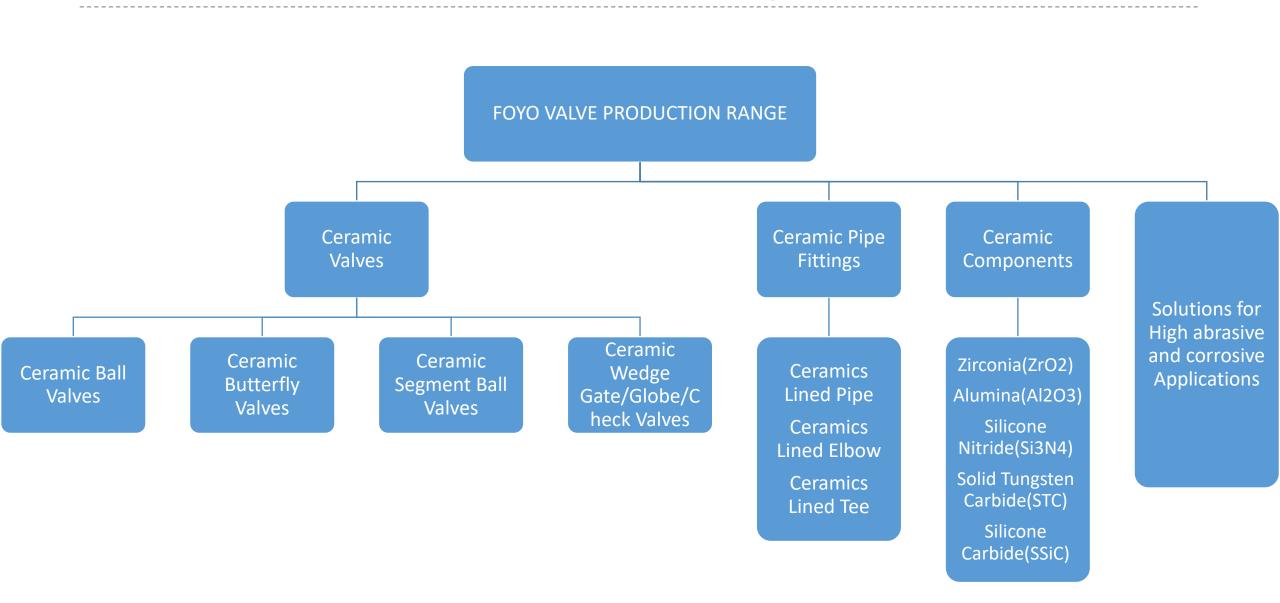


Organization Chart

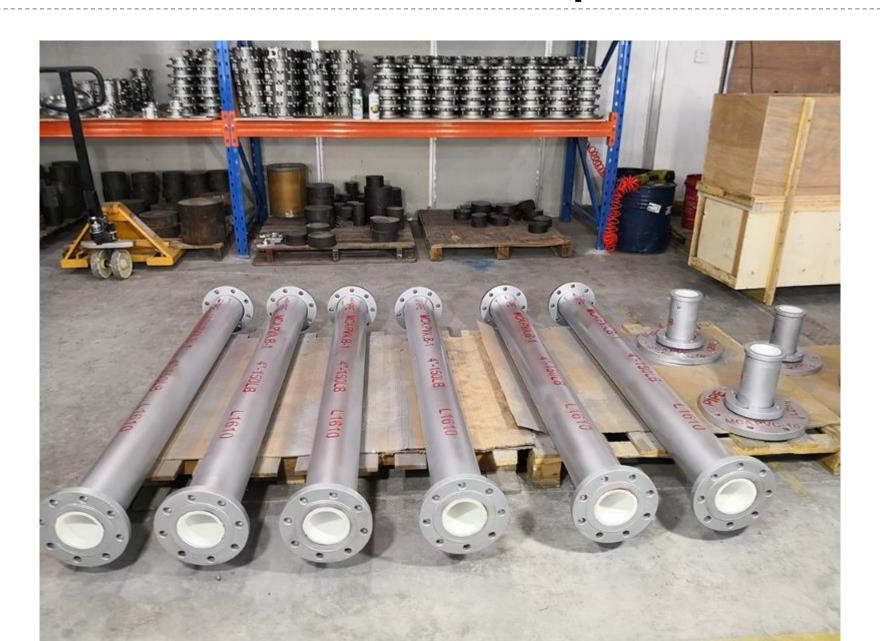




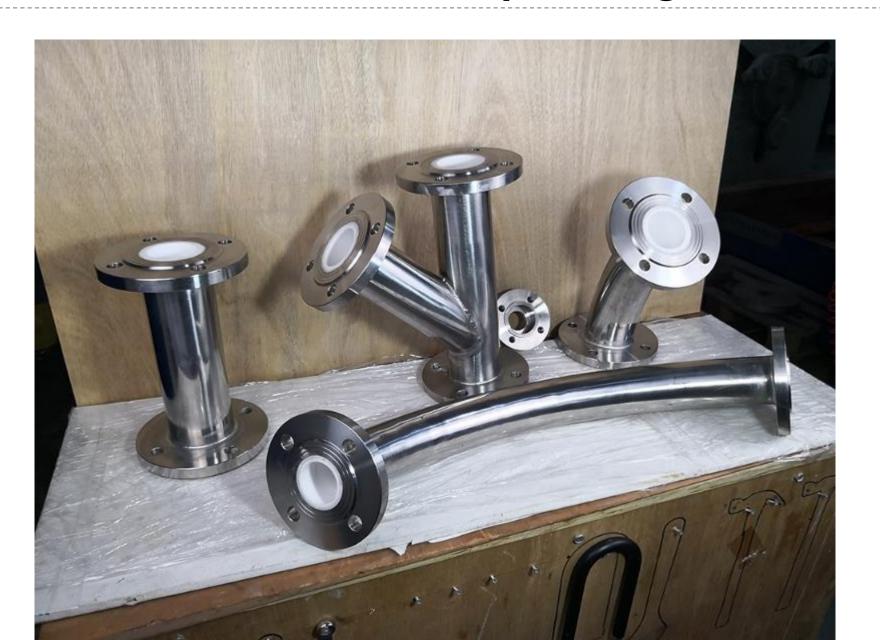
Production Range



Ceramics Lined Pipes



Ceramics Lined Pipe Fittings



Ceramics Lined Elbow



Ceramics Lined Diverter



Ceramic Components



Ceramic Components









ZrO2

>99%Al2O3

STC

Si3N4

STC—Solid Tungsten Carbide

Si3N4—Silicone Nitride

Ceramics Gallery

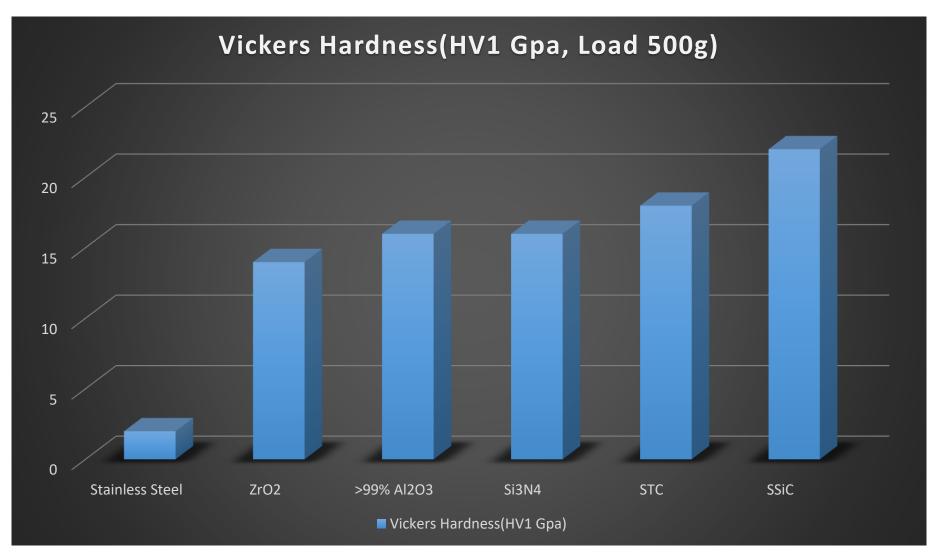


Corrosion Resistance Comparation

| Medium | Temp.(°C) | 99%Al2O3 | ZrO2 | STC | Si3N4 | SS316 | HC276 |
|----------|-----------|----------|------|-----|-------|-------|-------|
| 20%HCL | 60 | А | А | X | А | С | В |
| 20%HCL | 90 | А | А | X | А | X | С |
| 60%H2SO4 | 60 | А | А | X | А | С | В |
| 60%H2SO4 | 90 | А | А | Χ | А | С | С |
| 10%HF | 60 | В | С | X | С | С | В |
| 50%HF | 90 | С | X | Χ | X | X | С |
| 60%HNO3 | 60 | А | А | X | А | А | С |
| 60%HNO3 | 90 | В | А | Χ | А | В | С |
| 30%NaOH | 60 | А | А | В | А | А | Α |
| 30%NaOH | 90 | В | В | С | А | В | А |

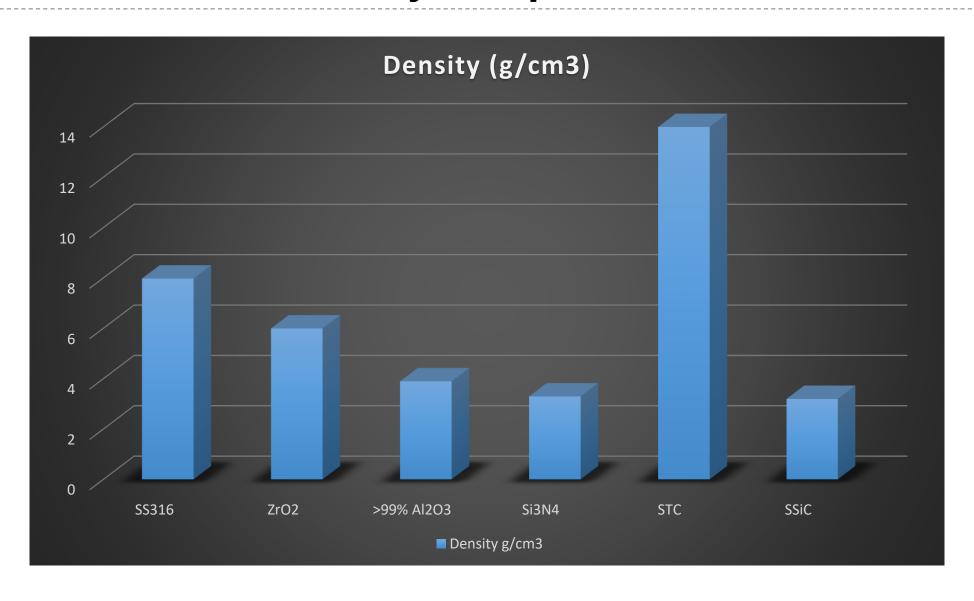
- A- Negligible or no corrosion, recommended for valve use
- B- Little or Slight corrosion, fitness for valve use
- C- Significant corrosion, not recommended for valve use
- X- Violent corrosion, not allowed for valve use

Hardness Comparation

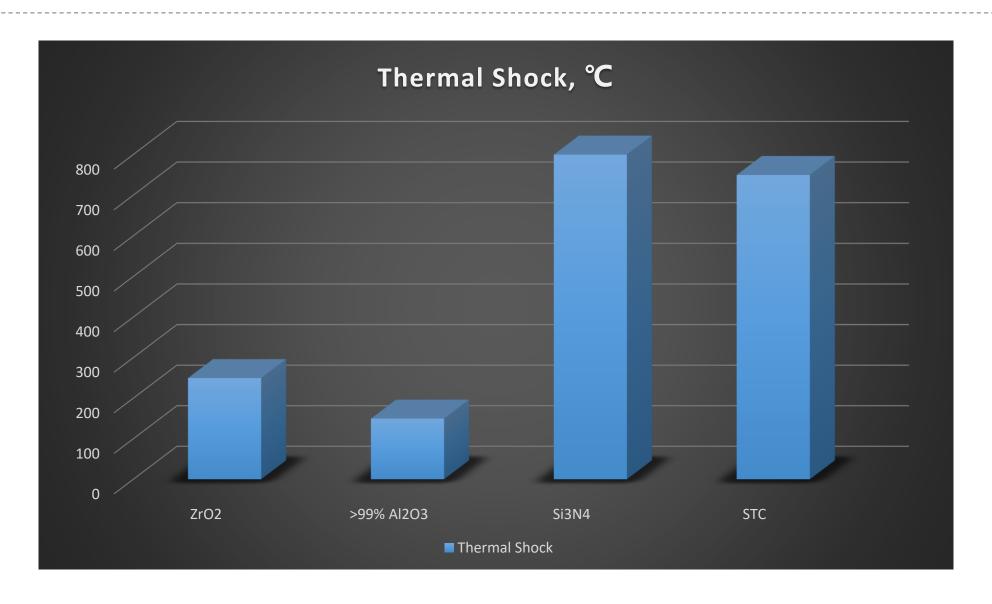


The wear and corrosion resistance of ceramics is much better than stainless steel

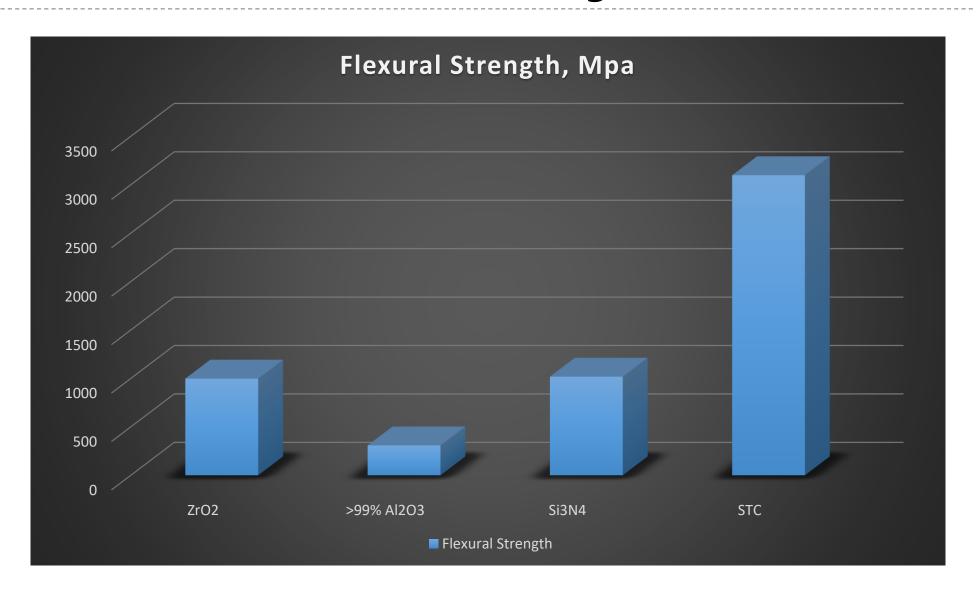
Density Comparation



Thermal Shock



Flexural Strength



Ceramic Ball Valve





Construction

3PC-Design, flanged end and Faceto-Face Dim. are flexible as per customers' requirements.



Sizes Range

Size: DN15-DN300(1/2"-12")
Pressure Rating: Max. PN100(CL600)



Inspection & Testing

Pressure Test: API 598/ ISO 5208 Leakage Class: FCI 70-2, Class VI;

Tightness acc. To GOST A

Ceramic Ball Valve



Corrosion Resistant

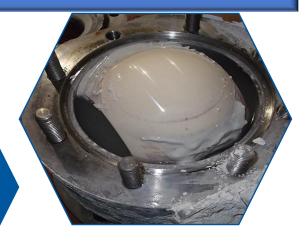
- Will not interact with almost all organic and inorganic chemicals;
- Will not contaminate the process media;
- Keep physically and chemically stability against most acids and alkalis.

02

Abrasion Resistant

- Harder than most materials, only except diamond;
- · Good Self-Iubricating performance.

As valve trim, ceramic components make the valve done well in the most abrasive conditions thanks to their high hardness, such as coal powder, silicone powder, glass powder, Mg powder, positive/negative materials of lithium battery, etc.



Ceramic Ball Valve

Besides manual operated valves, bare stem, pneumatic and electric operation are all optional, actuators are mounted by a yoke interface that meets ISO 5211.



100A and smaller size: Lever125A and larger size: Gear Box



Pneumatic Op.

Actuator: FT(CN), Festo(DE)

Solenoid Valve: VAA(USA),SMC(JP)

Filter&Regulator: SMC(JP)

Limit Switch: VAA(USA), HKC(S.Korea)

Positioner: YTC(S.Korea), Simens(DE)



Electric Op.

Actuator: LanLee(CN), Rotork(UK)

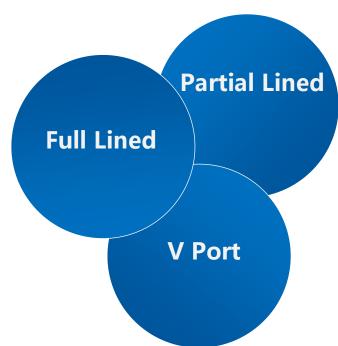
Auma(DE)

Ceramic Ball Valve

Full Lined Ceramic Ball Valve



All wetted parts are ceramics, medium will not be contaminated by metal impurities.



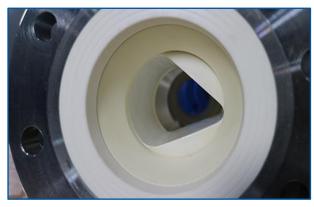
Partial Lined Ceramic Ball Valve



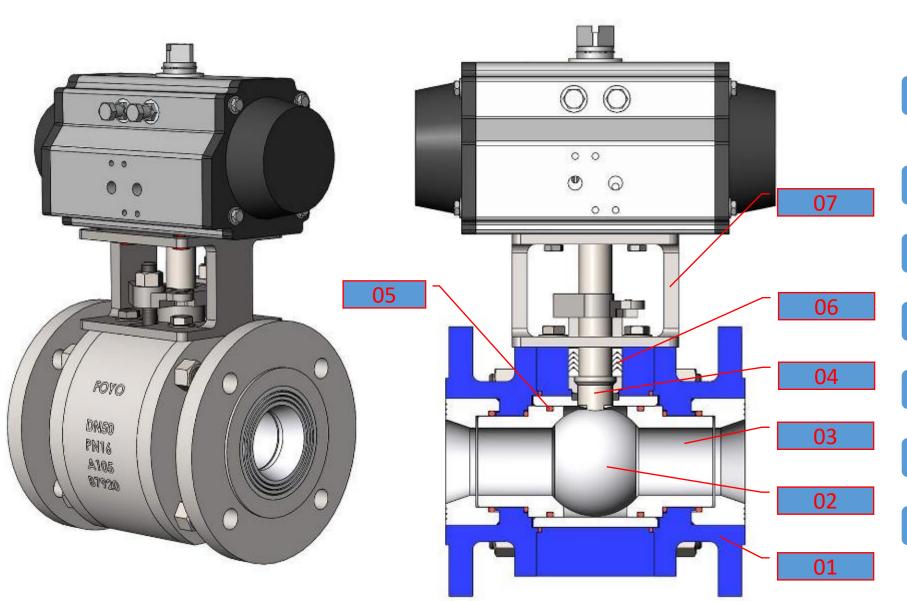
Only ball and seats are ceramics, designed for slight wear and corrosion.

V Port Ceramic Ball Valve
Designed as control valve,
has equal percent(EQ%) flow

characteristics.



Full Lined Ceramic Ball Valve



01 Body

• A105, SS304, SS316, SS316L

02 Ball

• >99%Al2O3, ZrO2, STC, Si3N4

03 Seat and Lining

• >99%Al2O3, ZrO2, STC, Si3N4

04 Stem

• SS304, SS316, 17-4PH, SS316L, HC276, Ti, Zr

05 O-Ring

• VMQ(Silicone Rubber), Viton(fluororubber)

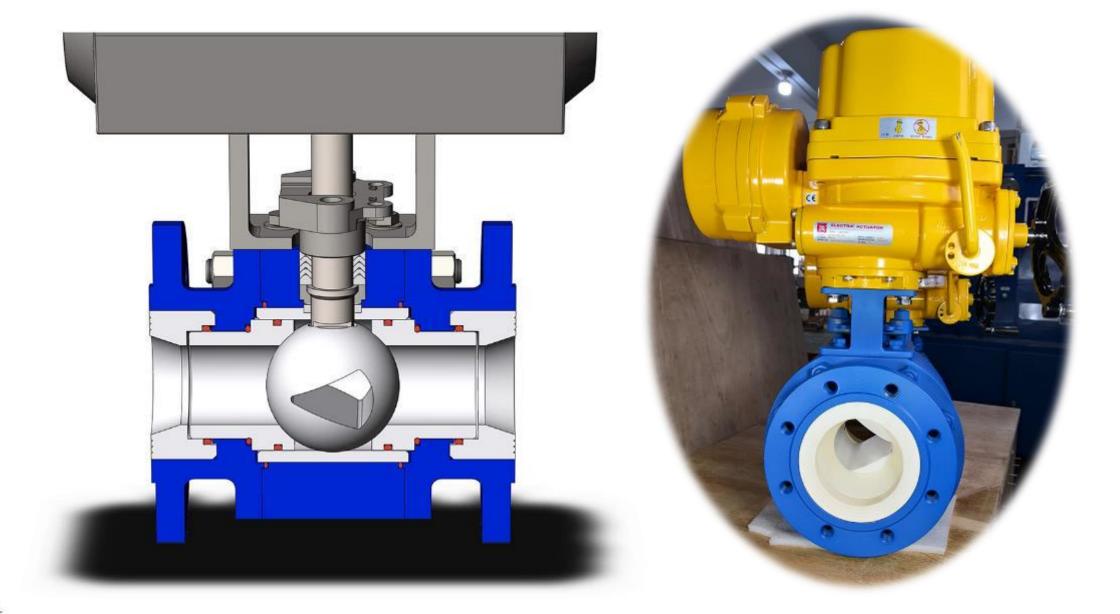
06 Packing

• PTFE, Graphite

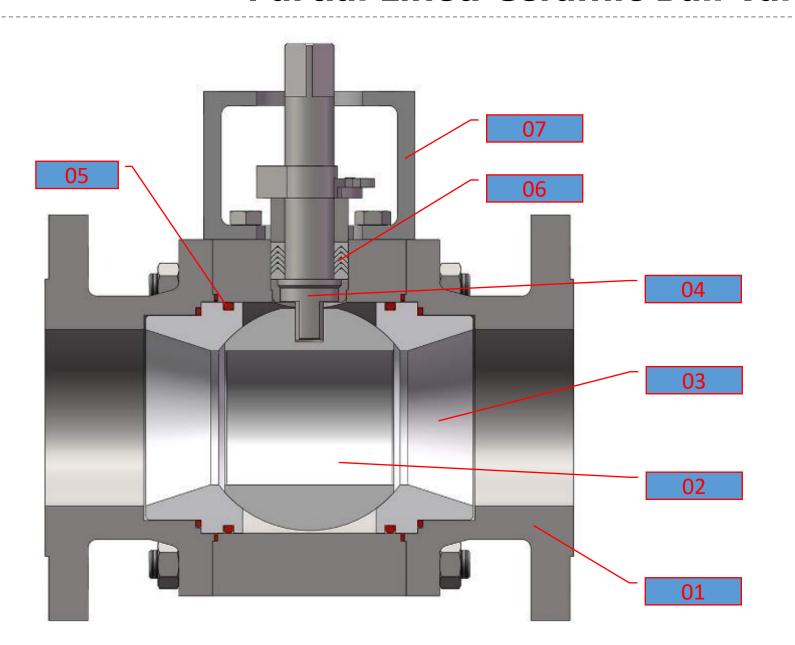
07 YOKE

• SS304

V Port Ceramic Ball Valve



Partial Lined Ceramic Ball Valve



01 Body

• A105, SS304, SS316, SS316L

02 Ball

• >99%Al2O3, ZrO2, STC, Si3N4

03 Seat

• >99%Al2O3, ZrO2, STC, Si3N4

04 Stem

• SS304, SS316, 17-4PH, SS316L, HC276, Ti, Zr

05 O-Ring

• VMQ(Silicone Rubber), Viton(fluororubber)

06 Packing

• PTFE, Graphite

07 YOKE

• SS304

Lever Operated Ceramic Ball Valve



Bare Stem Ceramic Ball Valve



Gear Box Op. Ceramic Ball Valve



Pneumatic Ceramic Ball Valve



Electric Ceramic Ball Valve



High Pressure Ceramic Ball Valve



V-Port Ceramic Control Ball Valve



Ceramic Butterfly Valve



Ceramic Segment Ball Valve



Ceramic Ball Valves Gallery

















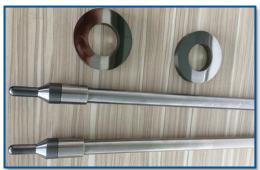
Ceramis Lined Pipe Fittings and Ceramic Parts







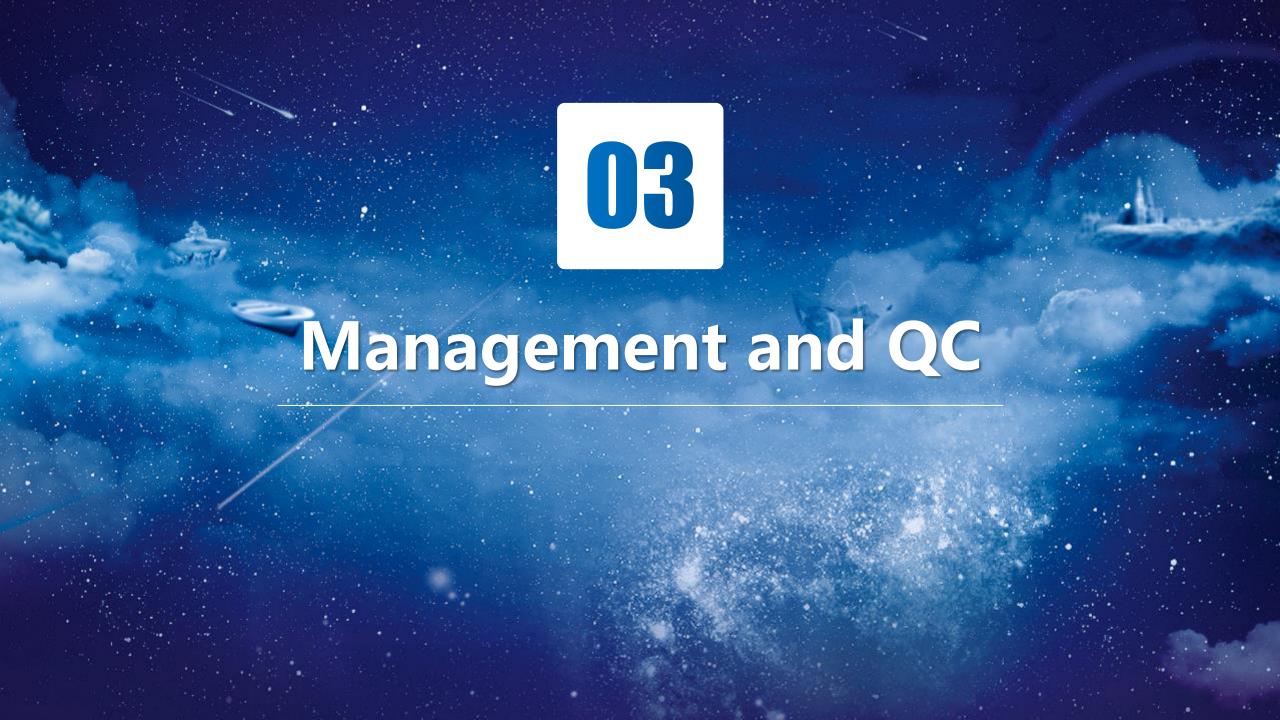












Document List of Company Management and QC



Document List of Company Management and QC

continued

17.Resources and systematic conditioning of shipment, preservation and transportation

18.Systematic identification and traceability

19. Human Resources for production

20.Requirements for qualification of inspectors Dimension

21.Specification for purchase of critical inputs

22. specification for incoming inspection and manufacturing subcontractors

23.Management of products and services provided

24. Manufacturing Capacity

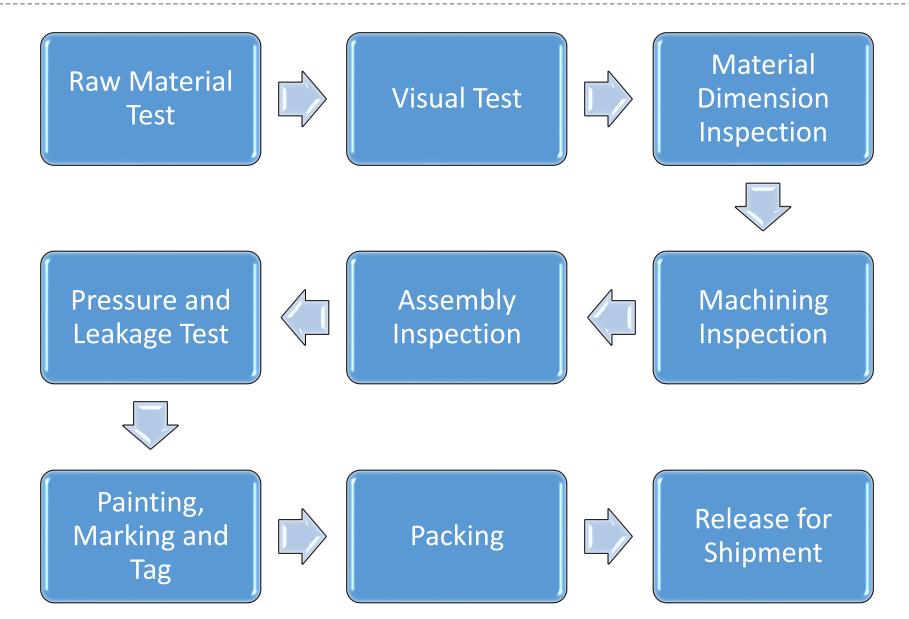
25.Machinery

26.Hall of metrology and dimensional control instruments

27. Availability of calibrated tools and equipment

Please ask for any of above documents from FOYO if needed

Quliaty control inspection plan



Quliaty control inspection plan

| | Man | agement System. | |
|-------------------------|--|-----------------------------|--|
| (Quality system) ₽ | ■ISO9000□TQC & | Review of Quality system₽ | □internal <u>ordit</u> ■external <u>ordit</u> □ self-checking <i>•</i> |
| (Planning) & | ■ plan □implement ∘ | Work instructions ₽ | ■ procedure□rule□duty ∘ |
| (Design control) ₽ | □procedure∎duty ↔ | Doc and change control ₽ | ■ procedure□ <u>rul</u> □duty. |
| (Procurement control) - | ■before order□after order↓ | Vendor Qualification ₽ | □procedure ■ <u>rul</u> □duty↓ |
| (Calibration) & | ■ periodical □ aperiodicity ∘ | Indication inspect status & | ■ procedure□ <u>rul</u> □duty. |
| (Final inspection) | □casual = 100%。 | Non - conformance control | ■ procedure□ <u>rul</u> □duty. |
| (Training) 🖟 | ■ periodical □ aperiodicity _* | Handling & Storage ₽ | $\Box procedure \Box \underline{rul} \blacksquare duty \not\models$ |

Quliaty control inspection plan

Quliaty control inspection plan

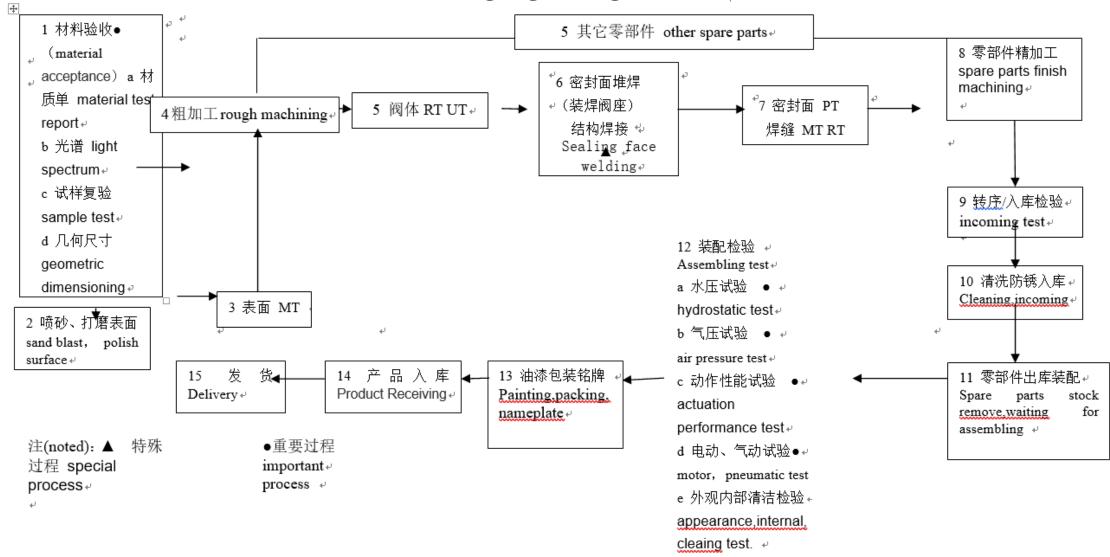
| F | OYO | INSPECTION & TE | ST PLAN | ITP NO.: Order NO.: | | Page 1 of 1 | | | |
|----|--|--|--|--|------|-------------|-------|------|--|
| | | T | | | А | gn | | | |
| No | Activity | Sampling | Standard | Record | FO | YO | Custo | omer | |
| | 2004204000EX | Participation of Autorities | #1 0x00 0 0x00 0x00 0x00 0x00 0x00 0x00 | 100000000000000000000000000000000000000 | Code | sign | code | sign | |
| 1 | Documentation - Technical Drawing - Inspection Test Plan | 100% | - | Marie . | М | | R | | |
| 2 | Raw Material test | Body / bonnet / stem / bal l/ disc / seat, Chemical analysis / Mechanical characteristics | EN10204 3.1 Applicable ASTM STD. | mill certificate / PMI inspection report/ Tensile test | М | | H/R | | |
| 3 | Visual test | Body / bonnet / stem / bal l/ disc / seat 100% inspection on appearance. Require casting marking layout size, pressure, brand,flow,material,flow, heat No. Visual internal and external surfaces of castings shall be no defects with pore, loose, hollow etc. | MSS-SP-55 | Material inspection report | М | | W/R | | |
| 4 | Material dimension inspection | Body / bonnet / ball / disc / seat / stem connection dimension. Machining tolerance, thickness | ASME B16.10, ASME B16.5, specification. | Material inspection report | М | | R | | |
| 5 | Machining inspection | Body / bonnet / ball / disc / seat / stem each connection machining dimension tolerance, roughness. | ASME B16.10, ASME B16.5, Manufacturer technical drawings. | Machining inspection report | М | | R | | |
| 6 | Assembly inspection | Keep body cavity cleanness. Trim material is conformed. | order specified | Assembly inspection report | М | | W/R | | |
| 7 | Pressure and leakage test | Hydraulic shell test Hydraulic seat est Pneumatic seat test (If applicable); | API598,order specified | Pressure testing report | М | | H/R | | |
| 8 | Paiting, Marking and Tag | 100% | Manufacturer standard. | Record | М | | W/R | | |
| 9 | Packing | 100% | Material shall be properly packed for Air/Sea Transportation. | Record | М | | W/R | | |
| 10 | Release for Shipment | 100% | - | 88 - 88 | M | 8 | R | 0.5 | |

Where

M= Manufacturer's Inspection/Implementation R = Document/Inspection report review and approved

Valve Manufacturing Engineering Flow Chart

阀门产品制造工艺流程图 (valve manufacturing engineering flow Chart)。



Valve Manufacturing Engineering Flow Chart

FOYO

| | FUYU | Machining Procedure Card | | Machining Procedure Card Commodity Gate Valve 产品名称 明杆楔式单闸板闸阀 | | | | 月闰 | | Sapre Pa 零件名和 | | Body 阅体 | Code 编号 | A09-00387 | | |
|--------------|-------------------------|--|----------------------|---|---------------------------|------------------------|-----------------------------------|--------------------------|------------------------|----------------------|-------------|--------------------|------------|--|---------------------------------|------------------------------|
| | O VALVE CO 欧厦门阀门有 | | | HIII | 艺过程卡片 | | Type 产品型목 | | Z40H | | P | ressure Ra 压力范围 | | | Bore Range 口径范围 | - |
| | , 1,50,1 41 31 4 131 | | 8. | (范 | 到) | _ | Material 材料 | | asting , WCB 存件,WCB | | | Remark 多注 | | | 共1页 | 第1页 |
| 工序号 ITEM | Process Name 工序名称 | 1 | *** | | Process (| Content I | 序内容 | | | [| | 类型 pment | | Tooling 工艺演者 | Applicatio 适用范围 | |
| 1 | Cast 铸造 | | | 75.1 | | itment after 造后退火。 | | | | | | | | 3 | : | |
| 2 | Machining 车 | | Machine the 粗车端纸兰 | flange , c | ramp one end o 微独兰外圆,数 | of the flans 太正另一端 | ge,machine the 法兰端面及内。 | O.D. of the fl L。车端法兰 | ange. 外圆 | | | itting 床 | | | | |
| | 2 | | | Б | Ro 反至面至尺寸 | eserve som t,端面曾 | | | | | | | | | | |
| 3 | Maching 车 | | 粗车端法兰 | ,以己章 | | nine the flan E位,车另 | nge, 一端法兰外圆》 | 及及平面至尺 | ्ने, | | | nining 床 | (| Convex die centre 凹定心盘 | | |
| | | | | Res | | ess for the 日余量,倒 | end , beveled en 角 . | d | | | | | | - | | |
| _4_ | Machining 车 | | 粗车端法兰 | ,以西峰 | Rough machin 微法兰外侧定位 | ne the end 江,以导新 | of the flange .、中法兰内孔。 | 端面找正。 | 车中 | 72 | | nining 床 | Maci | hine the clamp of the middle flange 中法兰车夹具 | | 88 |
| | | | Outside of the t | | | | re some excess o 面留余量,倒: | | eled end | | | | | | 1 | |
| 5 | Machining 车 | | 车倒座孔; | | Machine | the valve s | | | . न , | | | ining 床 | | justable Die Centre 周定心盘,斜盘体 | | |
| | | | 拉 | | | | e valve seat hole 座孔,控制全的 | | | | | | | 9 | | |
| 6 | Drilling सिं | | | | Drill the hole 键两端法 | e of both en 法兰各孔至 | nd of flange 尺寸。 | | | 23 | | lling 床 | | Drilling Pattern 結模 | | |
| 7 | Planing Machine গ্রা | | | Pl | | both guid 背导轨面至 | e surface to size 尺寸。 | | | | Mac | ning thine 床 | - | -8 | | |
| | 8 8 | - | | - | | | | | | Compile) 编制([| *********** | Audit(I 审核([| | Standardise(Dat e) 标准化(日期) | Countersign (Date) 会签(日期) | Approval(Da te) 批准(日期) |
| | | | | | | - 2 | | | | | 8 | d | | | | |
| Remark 标记 | No. 处数 | Document Revision No. 更改文件 号 | Signature 签字 | Date 日期 | Remark 标记 | Number 处数 | Document Revision No. 更改文件号 | Signature 空字 | Date 日期 | 2 | | 3 | - 6 | | | |

Quality Meeting Record Form



ZL010+

Quality Meeting Record

No: QA-20160510 ₽

| Meeti | ng subject₽ | | | | ₽ | | | |
|--------------|-------------|--------------|------------|--------|---------|-------------|------------|------|
| | Date ₽ | | ę. | | Place & | ÷. | | |
| pres | ide over₽ | | ę. | | Time ₽ | ₽ | | |
| | Name & | Department - | Position @ | Note ∉ | Name₽ | Department. | Position @ | Note |
| > | 47 | 47 | 47 | Đ. | 47 | 4 | ۵ | 4 |
| Attendance • | 47 | 4 | 47 | Đ. | ٩ | ÷. | ته | ₽ |
| dano | ت | ٩ | ¢. | ē. | ٩ | ÷. | ٥ | ₽ |
| e Č | 47 | ٦ | 47 | Đ. | ۵ | 4 | ته | 4 |
| | 47 | 4 | 47 | Đ. | ٩ | ÷. | ته | 4 |
| Ä | ę. | | | | | | | |
| Records | | | | | | | | |
| rds∸ | | | | | | | | |

Recorded by: 4

Test Certificate Form

TEST CERTIFICATE

EN 10204 3.1B.

(DIN 50049-3.1B)

Client: <u>DaehanCVD Co.,Ltd</u> Order No.: <u>163042/163052</u> Date: <u>May.10th.2016</u> No.:<u>1</u>

| Item | O'tre | | | Pressur | | | | | M | [aterial | | | | Hydrost | atic Test | Air Test | : | | |
|-------------|---------------|----------|-------------|---------|------|------|-------|-------|----------|------------|-------|-------|---------|---------|-----------|----------|--------|---------|-----|
| No. | Q'ty (PCS) | Descrip | ption | | Size | : | Dode | | ١, | Ba11 | Sten | | Seat | Body | Seat | Seat | | Result | : |
| No. | (PCS) | | | e | | | Body | | ' | Dali | Sien | 1 | Seat | (Mpa) | (Mpa) | (Mpa) | | | |
| 1 | 1 | Ball val | ve,RF | 150# | 1" | | A105 | | Cera | amics | C270 | 6 C | eramics | 3.0 | 2.2 | 0.6 | | OK | |
| 2 | 1 | Ball val | ve,RF | 150# | 2" | | A105 | | Cera | amics | 17-4P | Н С | eramics | 3.0 | 2.2 | 0.6 | | OK | |
| Thomas | | Name of | Haat | | | | | Chemi | cal Comp | position(% |) | | | | | Mechanic | al Pro | perties | |
| Item No. | Series No. | Part | Heat No. | C | Si | Mn | P | S | Cr | Ni | Mo | Cu | v | Others | Tensile | Yield | E% | R (%) | НВ |
| No. | | Patt | NO. | | 31 | WIII | F | , | CI | NI | WIO | Cu | V | Officis | Strength | Point | E/0 | K (/0) | ш |
| 1 | , | BODY | / | 0.20 | 0.30 | 0.85 | 0.012 | 0.013 | 0.068 | 0.012 | 0.005 | 0.009 | 0.002 | / | 555 | 290 | 33 | 37 | 162 |
| | , | BONNET | / | 0.20 | 0.30 | 0.85 | 0.012 | 0.013 | 0.068 | 0.012 | 0.005 | 0.009 | 0.002 | / | 555 | 290 | 33 | 37 | 162 |
| 2 | , | BODY | / | 0.20 | 0.30 | 0.85 | 0.012 | 0.013 | 0.068 | 0.012 | 0.005 | 0.009 | 0.002 | / | 555 | 290 | 33 | 37 | 162 |
| | , | BONNET | / | 0.20 | 0.30 | 0.85 | 0.012 | 0.013 | 0.068 | 0.012 | 0.005 | 0.009 | 0.002 | / | 555 | 290 | 33 | 37 | 162 |

Remarks: We hereby certify that the material described above has been tested and complied with the terms of the order contract

Inspection Report Form

FOYO VALVE CO., LIMITED

| - 1 | | 0 100 | Action of the Control | N REPORT | 100 | | * | |
|------|------------------------------------|-------|--|----------|---------------------------------------|----|----|--|
| 22.2 | A118 11 | | valve | | | - | 1 | |
| No | Item Name Actual Value | Left | Right | | | | | |
| 21 | Logo DH-CVD | DH | -CVD | | 0.000 | | | 1000 |
| 2 | Size NPS 2 | | 2 | | | | | |
| 3 | Rating CALSS 150 | | 150 | | 88 | | | |
| 4 | Body material A105 | Д | 105 | | 301876 | | - | |
| 5 | Body heat No Actual copy | | AVA | | | | | |
| 6 | Cleanness of inner chamber | ν. | V | | | | | |
| 1 | Appearance bright and clean degree | | V | | 910 | | | |
| 8 | Wall thickness | 8 | ٧ | | · · · · · · · · · · · · · · · · · · · | | | i i |
| 9 | Middle slotting | 8 | V | | 33300 | | | |
| 10 | Bolt uniformity | | 7 | | | | | |
| 11 | Stem uniformity | | V | | | | | |
| 12 | The handwheel cooperation degree | .i. | V | | 1010 | | * | Î |
| 13 | The switch of flexibility | 9 | 4 | | 98 | | | 70 |
| 14 | Open direction | | 4 | | | | | |
| 15 | Open valve degree | | Q. | | | | | |
| 16 | Face to Face L=254 | 2 | 54.1 | | - 02 D7 | | | |
| 17 | End flange outside diameter D1=150 | 149.8 | 149.9 | 1 | | ľ | 1 | 1 |
| 18 | Bolt hole circle diameter D2=120.7 | 120.7 | 120.7 | - 1 | 18 | 3 | | |
| 19 | Convexity diameter D3-92.1 | 92.1 | 92.0 | 20 | 88.83 | | | |
| 19 | End flange outer diameter NPS1=50 | 50 | 50 | | | ĺ. | | |
| 21 | End flange inner diameter NPS2=40 | 10 | 10 | | 310 | | | |
| 22 | End flange thickness 1=18 | 18.2 | 18.2 | | 17 | | | |
| 23 | Convexity height f=2 | 2 | 2 | - 9 | 28.00 | | 31 | |
| 24 | Number of bolts n=4 | 4 | 4 | 19 | 3 8 | 8 | | 2 3 3 |
| 25 | Bolt diameter d−18 | 18 | 18 | 5 | | ć. | | , , , , , , , , , , , , , , , , , , , |
| 26 | Shell test (water) 3.0 MPa / 15S | | Ų. | 9.8 | | 50 | | N. 541 |
| 27 | Scalitest (water) 2.2MPa / 15S | V | V | >> | 33.55 | | | 7 7 7 |
| 28 | Seal test (air) 0.6 MPa / 15S | - N | V | - 9 | 34-44 | | | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 |

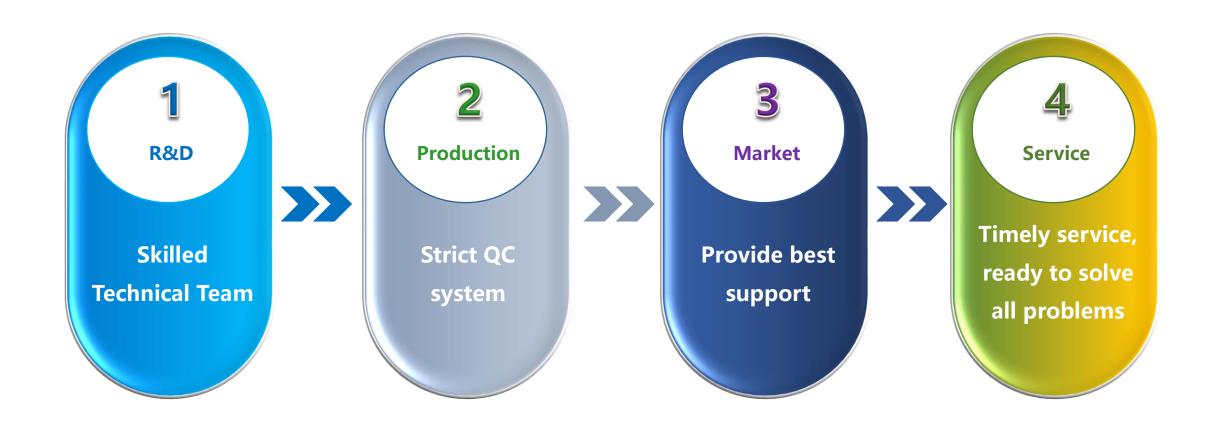
Manufacturing Capacity

| Typical products | Dimensions and pressure |
|----------------------------|--|
| Ceramic ball valve | DN15-300(1/2"-12")/PN10—PN100(CL150-CL600) |
| Ceramic segment ball valve | DN15-400(1/2"-12")/PN10—PN40(CL150-CL300) |
| Ceramic butterfly valve | DN15-300(1/2"-12")/PN10—PN16(CL150) |
| Ceramic gate valve | DN15-300(1/2"-12")/PN10—PN100(CL150-CL600) |
| Ceramic double disc valve | DN15-300(1/2"-12")/PN10—PN16(CL150) |
| Ceramic globe valve | DN15-200(1/2"-8")/PN10—PN100(CL150-CL600) |
| Ceramic check valve | DN15-300(1/2"-12")/PN10—PN100(CL150-CL600) |
| Ceramic pipe and fittings | DN15-300(1/2"-12")/PN10—PN100(CL150-CL600) |

Manufacturing Capacity

| | Main Equipments | |
|-----------------------|---|-----|
| Description | Specification | Q't |
| Lathe | Max. OD 320mm, Max. Length 750mm | 12 |
| Lathe | Max. OD 400mm, Max. Length 750mm | 5 |
| Lathe | Max. OD 660mm, Max. Length 750mm | 1 |
| Milling machine | Stroke (x/y/z)810/385/406mm | 3 |
| Milling machine | Stroke (x/y/z)720/385/350mm | 8 |
| Milling machine | Stroke (x/y/z)720/430/650mm | 2 |
| Milling machine | Stroke (x/y/z)900/450/400mm | 1 |
| Drilling machine | Max. Diameter 40mm,Max. Depth 500mm | 2 |
| Grinding machine | Max. OD 200 mm, Max. Length 500mm | 5 |
| Grinding machine | Stroke (x/y/z) 380/180/200 | 3 |
| Grinding machine | Stroke (x/y/z) 500/190/200 | 1 |
| Grinding machine | Max. OD 180, Stroke (x/y) 180/150mm | 3 |
| Tapping machine | Stroke (x/y/z) 250/130/130mm | 1 |
| Air compressor | Displacement 0.85m³/min, Air Supply 0.8MPa(max.) | 1 |
| Sand blasting machine | Rotating speed 0—3000r/min | 4 |
| Vernier calipers | Measuring range 0—500mm, Accuracy 0.02mm | 10 |
| microcalliper | Measuring range 0—200mm, Measuring Accuracy 0.01mm | 70 |
| Digital altimeter | Measuring range 0—500mm,Accuracy 0.001mm | 2 |
| Roundness meter | Measuring range 0—10mm,Accuracy 0.01mm | 3 |
| sclerometer | TT100 | 1 |
| Thickness tester | HIN200 | 1 |
| Valve Test Machine | Max. Test DN 1000mm(max.), Max. Test Pressure 25.0Mpa(max.) | 1 |

SERVICE



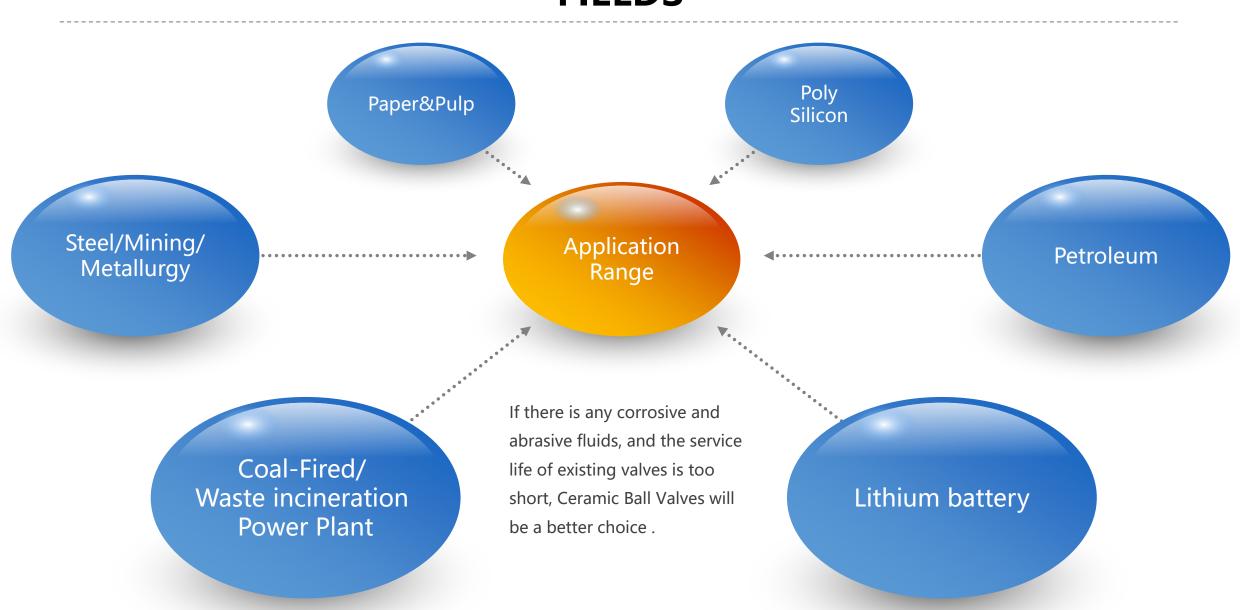
Warranty

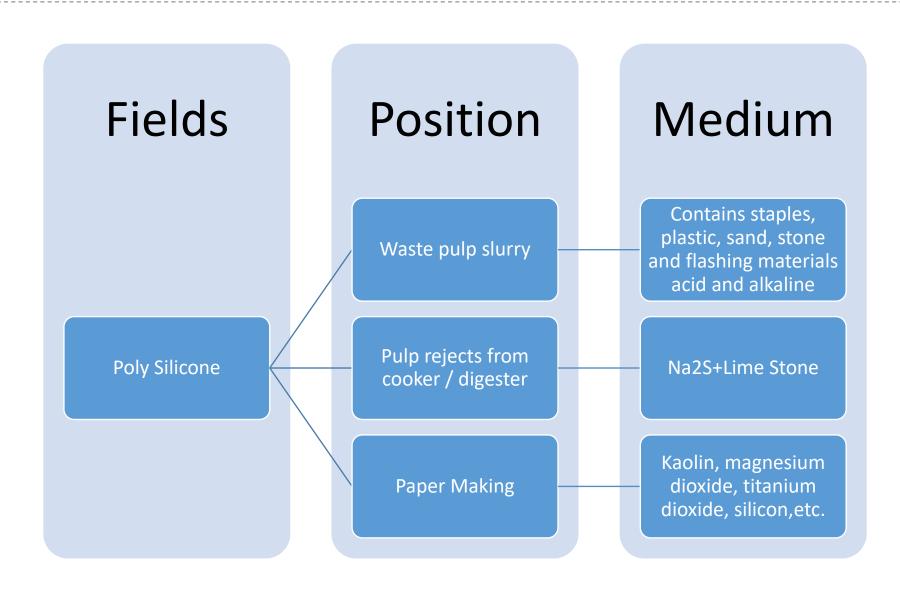
Strict quality assurance system

Generally Foyo provide more than 12 months for all of our ceramic valves



FIELDS





Fields

Coal Fired
Power Plant

Position

Flue-gas desulfurization (FGD)

Fly Ash Handling
System

Medium

Lime Stone Slurry, Gypsum Slurry

Fly Ash

Fields

Position

Medium

Waste incineration
Power Plant

Flue-gas desulfurization (FGD)

Mixture solids+Lime Slurry

Fields Position Medium Blast furnace Coal Powder+N2 Pulverized coal injection(PCI) **Steel Plant** Waste discharge Slag+water

Fields Position Medium Copper Pressure concentrate conveyor/hopper powder Mining/ Metallurgy Acid+solids Extractor

Fields

Poly Silicon Position

Pneumatic conveying of Silicone Powder

Trichlorosilane synthesis

Medium

Silicone Powder+N2

SiHCl3, HCL,H2,Si powder, etc.

Fields

Petroleum

Position

Pneumatic conveying of Petroleum catalyst

S-Zorb catalytic gasoline adsorption desulfurizer

Medium

Catalyst Powder+Gas

SORBENT/H2 + Hydrocarbon

Fields

Position

Medium

Lithium battery

Pneumatic Conveying System Positive and Negative material

Ceramic Ball Valves in the Field

















Global Competitors

















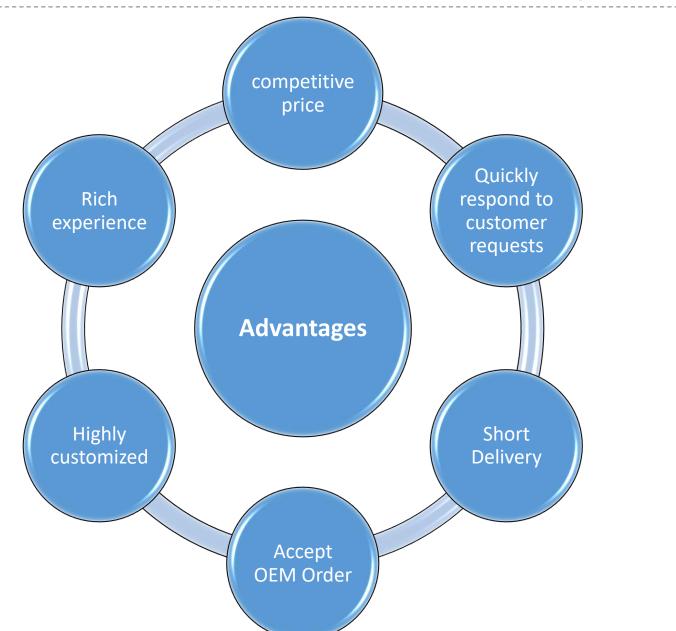
Japan



Finland



Our Advantages and disadvantages





Company Business Vision

Quality Management Target

- To improve FOYO brand, and strive to create world famous mark of ceramic valves in 2020;
- Improve service quality, the products based on the 18-month warranty, to provide customers satisfaction products and services to ensure customer satisfaction by 99%;
- continuously improve the overall quality, the various management and engineering and technical staff with junior college or better would be account for 20% of the total number of employees.

Environment Management Target

- energy conservation, reduce wastage, and improve resource / energy efficiency;
- prevent pollution and achieve waste water, waste gas, solid waste, noise and other pollution discharge standards;

Occupational Health Safety Target

- to prevent fires;
- put an end to death, the eradication of serious injuries, minor injuries occur at frequencies below 3 ‰.

OUR GLOBAL AGENT













OUR CUSTOMERS/PARTNERS

























































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