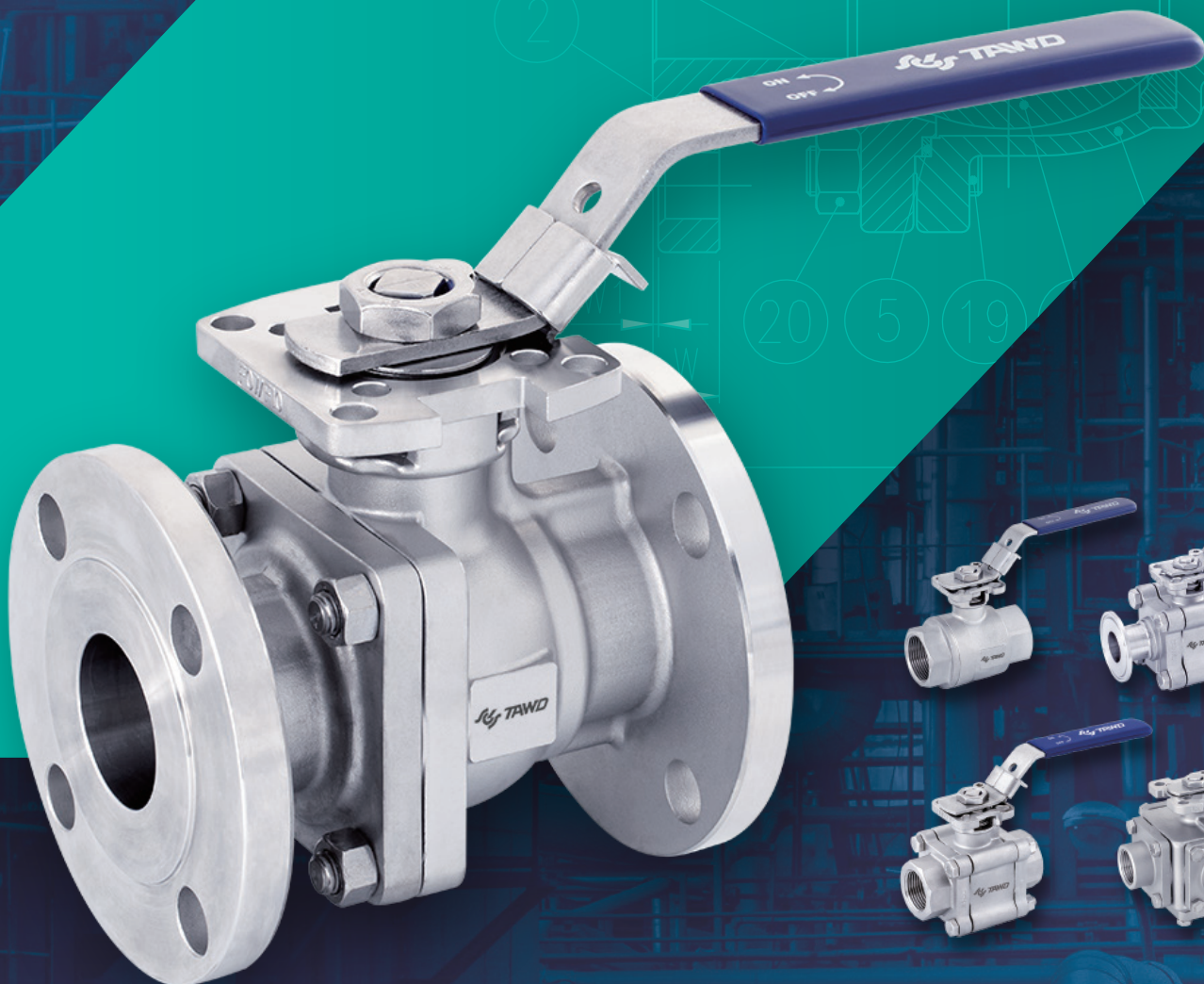




THREE DECADES OF INNOVATION

# ***PRODUCT OVERVIEW***



***PREMIUM BALL VALVE MANUFACTURING / MADE IN TAIWAN***

# **Transworld Steel Enterprise**

## **Three Decades of Innovation**

Since its establishment in 1992, Transworld Steel Enterprise Co., Ltd. ( TAWD ) has dedicated over 30 years to manufacturing premium ball valves, supplying to over 30 countries in sectors like pharmaceuticals, food and beverage, pulp and paper, chemistry, oil and natural gas, and electricity, etc. We manage the entire production process, from design to final product, offering a comprehensive services to our customers.

In 1999, founder Michael Huang introduced the innovative direct mounting ball valve, securing patents in the USA, Germany, and China, which solidified the company's presence in the international market. Acknowledging the need for persistent innovation in the dynamic valve industry, Transworld has a notable portfolio with around 30 patents and is on track to obtain more.



In response to market demands, an investment casting foundry was established in Vietnam in 2008. This strategic decision enhances the manufacturing capabilities and provides a unique advantage over competitors. With an integrated approach connecting upstream and downstream processes, the company ensures efficiency and quality control, and adaptability to market shifts.

Adhering to Industry 4.0 trends, significant investments have been made in IIoT initiatives, such as the integration of robotic arms and intelligent visual monitors. Consequently, the second factory, established in 2010, features an automated machining line. Furthermore, the advanced valve lab houses a wide range of testing equipment, and a certified clean room with a classification of 10,000 and 100 for vacuum packing is also part of the infrastructure.

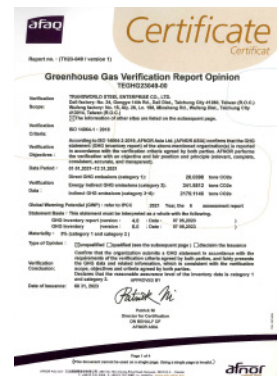
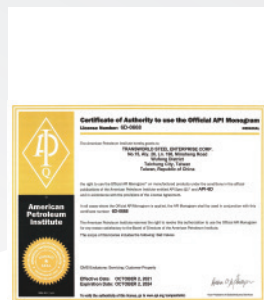
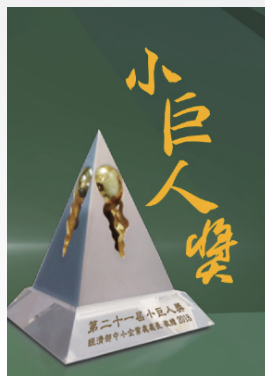




# Transworld's Commitment to Excellence

Transworld holds key certifications, including ISO9001, API 6D, PED 2014/68/EU Module H, EN10204-3.1, SIL, API 607, ISO 15848, TA-Luft, ISO 10497, ATEX, REACH, ROHS ...etc. Moreover, commitment to sustainability values is evident by the integration of solar panels and by securing certifications like ISO 14001 and ISO 14064-1, Transworld stand as trailblazers in Taiwan's valve industry.

In recognition of the efforts invested, Transworld has received prestigious awards from Taiwanese authorities, including the "Rising Star Award" from the Ministry of Economic Affairs and the "Model of Entrepreneurs" from the National Innovation and Entrepreneurship Association. These esteemed awards, along with the consistent track record, further underscore Transworld's position as a trusted and esteemed collaborator in the industry.



## One-Piece Ball Valve

### E301-10

Size : NPS 1/4 to 2 ( DN 8 to 50 )  
 Rating : WOG 800  
 Bore : Full Bore  
 Body & Caps ( ASTM ) : CF8M, WCB  
 Body & Caps ( EN ) : 1.4408, 1.0619  
 Seats : PTFE, RTFE, STFE  
 Handle Type : Flat  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : N/A

CE



### E301-30

Size : NPS 1/4 to 1 ( DN 8 to 25 )  
 Rating : WOG 800  
 Bore : Full Bore  
 Body & Caps ( ASTM ) : CF8M  
 Body & Caps ( EN ) : 1.4408  
 Seats : PTFE, RTFE, STFE  
 Handle : Flat  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : N/A

CE



## Two-Piece Ball Valve

### R301

Size : NPS 1/4 to 4 ( DN 8 to 100 )  
 Rating : WOG 1000  
 Bore : Full Bore  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB,  
 Titanium Alloy ( Gr. C-2 )  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Butterfly, Oval, Economical Stem Extension  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : Yes

CE

SIL 3

API 607



### R502

Size : NPS 1/4 to 3 ( DN 8 to 80 )  
 Rating : WOG 1000  
 Bore : Full Bore  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Oval, Cast, SRS, Economical Stem Extension  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : Yes

CE

SIL 3

ATEX IIB / IIC

DIRECT MOUNT PAD



### R701

Size : NPS 1/4 to 2 ( DN 8 to 50 )  
 Rating : WOG 800, 1000  
 Bore : Full Bore  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Economical Stem Extension  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : Yes

CE

SIL 3

ATEX IIB / IIC

API 607



## Three-Piece Ball Valve

### S400

Size : NPS 1/4 to 4 ( DN 8 to 100 )

Rating : WOG 1500, 2000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB, CN7M, CD3MN, CE3MN, CW12MW, 904L, LCC, Titanium Alloy ( Gr. C-2 )

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619, 1.4470

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK, Delrin, UHMWPE, PCTFE

Handle Type : Flat, Oval, Cast, T-Bar, SRS,

Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

API 607 ATEX IIB / IIC  
DIRECT MOUNT PAD CE  
BIGGER ISO TOP SIL 3



### S600

Size : NPS 1/4 to 4 ( DN 8 to 100 )

Rating : WOG 1000, 2000

Bore : Full / Reduced Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB, CN7M, CD3MN, CE3MN, CW12MW, 904L, LCC, Titanium Alloy ( Gr. C-2 )

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619, 1.4470

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK, Delrin, UHMWPE, PCTFE

Handle : Flat, Oval, Cast, T-Bar, SRS, Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

Reduced Port Version : S603

Firesafe Version : S60X-XF

Sanitary Version : S604

Diverter Version : S605 ( T, L )

CE API 607  
SIL 3 ATEX IIB / IIC  
DIRECT MOUNT PAD



### S701

Size : NPS 1/4 to 4 ( DN 8 to 100 )

Rating : WOG 800, 1000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE

Handle : Flat, Oval, Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 ATEX IIB / IIC



### S900

Size : NPS 1/4 to 4 ( DN 8 to 100 )

Rating : WOG 800, 1000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE

Handle : Flat, Oval, Cast, T-Bar, SRS,

Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 ATEX IIB / IIC  
DIRECT MOUNT PAD



### S300

Size : NPS 1/4 to 2 ( DN 8 to 50 )

Rating : WOG 1500, 2000

Bore : Full / Reduced Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB, CN7M, CD3MN, CE3MN, CW12MW, 904L, LCC, Titanium Alloy ( Gr. C-2 )

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619, 1.4470

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK, Delrin, UHMWPE, PCTFE

Handle : Flat, Oval, Cast, T-Bar,

Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE ATEX IIB / IIC  
SIL 3 API 607



### S501

Size : NPS 1/4 to 4 ( DN 8 to 100 )

Rating : WOG 800, 1000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE

Handle : Flat, Butterfly, Oval, Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE ATEX IIB / IIC



## Three-Piece Ball Valve

### S900

#### Loose Flange

Size : NPS 1/4 to 4 ( DN 8 to 100 )

Rating : WOG 800, 1000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE

Handle : Flat, Oval, Cast, T-Bar, SRS,

Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 ATEX IIB / IIC  
DIRECT MOUNT PAD



### T801

#### Double Block and Bleed

Size : NPS 1/4 to 2-1/2 ( DN 8 to 65 )

Rating : WOG 1000, 1500, 2000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK,

Delrin, UHMWPE, PCTFE

Handle : Flat

V-Port Ball Option : N/A

With Anti-static Device Option : Yes

CE  
SIL 3



## Flange End Ball Valve

### F301

Size : NPS 1/2 to 6 ( DN 15 to 150 )

Rating : CLASS 150 / PN16, PN40

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK, Delrin,

UHMWPE, PCTFE

Handle : Flat, T-Bar, Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 API 607  
ATEX IIB / IIC  
DIRECT MOUNT PAD



### F303

Size : NPS 1/2 to 6 ( DN 15 to 150 )

Rating : CLASS 150, CLASS 300

Bore : Reduced Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB, CN7M,

CD3MN, CE3MN, CW12MW, 904L, LCC, Titanium Alloy ( Gr. C-2 )

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619, 1.4470

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK, Delrin,

UHMWPE, PCTFE

Handle : Flat, T-Bar, Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 API 607  
ATEX IIB / IIC  
DIRECT MOUNT PAD



### F501

Size : NPS 1/2 to 4 ( DN 15 to 100 )

Rating : CLASS 150 / PN16, PN40

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB, CN7M,

CD3MN, CE3MN, CW12MW, 904L, LCC, Titanium Alloy ( Gr. C-2 )

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619, 1.4470

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK, Delrin,

UHMWPE, PCTFE

Handle : Flat, Oval, T-Bar,

Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 API 607  
ATEX IIB / IIC



### F502

Size : NPS 1/2 to 12 ( DN 15 to 300 )

Rating( ANSI ) : CLASS 150, 300, 600

Rating( DIN ) : PN16, 40

Pressure( JIS ) : 10K

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB, CN7M, CD3MN,

CE3MN, CW12MW, 904L, LCC, Titanium Alloy ( Gr. C-2 )

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619, 1.4470

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE, PEEK,

Delrin, UHMWPE, PCTFE

Handle : Flat, Oval, T-Bar,

Economical Stem Extension

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 API 607  
ATEX IIB / IIC  
DIRECT MOUNT PAD





## Sanitary Ball Valve

### S304

Size : NPS 1/2 to 2 ( DN 15 to 50 )  
 Rating : WOG 1000  
 Bore : Full Bore  
 End Connections : Clamp / Tube End  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Oval,  
 Economical Stem Extension  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : Yes

PDA  
 CE EC 1935  
 SIL 3 ATEX IIB / IIC



### S504

Size : NPS 1/2 to 4 ( DN 15 to 100 )  
 Rating : WOG 800, 1000  
 Bore : Full Bore  
 End Connections : Clamp / Tube End  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Butterfly, Oval,  
 Economical Stem Extension  
 V-Port Ball Option : Yes  
 With Anti-static Device Option : Yes

CE EC 1935  
 PDA ATEX IIB / IIC



### S604

Size : NPS 1/2 to 4 ( DN 15 to 50 )  
 Rating : WOG 800, 1000  
 Bore : Full Bore  
 End Connections : Clamp / Tube End  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Oval, Cast, T-Bar, SRS,  
 Economical Stem Extension  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : Yes

PDA  
 CE EC 1935  
 SIL 3 ATEX IIB / IIC  
 DIRECT MOUNT PAD



### S704

Size : NPS 1/2 to 4 ( DN 15 to 100 )  
 Rating : WOG 800, 1000  
 Bore : Full Bore  
 End Connections : Clamp / Tube End  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Oval, Economical Stem Extension  
 V-Port Ball Option : Yes  
 With Anti-static Device Option : Yes

PDA  
 CE EC 1935  
 SIL 3 ATEX IIB / IIC



### S904

Size : NPS 1/2 to 4 ( DN 15 to 100 )  
 Rating : WOG 800, 1000  
 Bore : Full Bore  
 End Connections : Clamp / Tube End  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, Oval, Cast, T-Bar, SRS,  
 Economical Stem Extension  
 V-Port Ball Option : Yes  
 With Anti-static Device Option : Yes

PDA  
 CE EC 1935  
 SIL 3 ATEX IIB / IIC  
 DIRECT MOUNT PAD



### M304

Size : NPS 1/4 to 4 ( DN 15 to 100 )  
 Rating : WOG 300, 1000  
 Bore : Full Bore  
 End Connections : Clamp / Tube End  
 Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3  
 Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309  
 Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE  
 Handle : Flat, T-Bar, Economical Stem Extension  
 V-Port Ball Option : N/A  
 With Anti-static Device Option : Yes

PDA  
 CE EC 1935  
 SIL 3 ATEX IIB / IIC  
 DIRECT MOUNT PAD



## Multi-port Ball Valve

### M302

#### Multi-port 3-4-5 way Ball Valve

Size : NPS 1/4 to 4 ( DN 8 to 100 )

Rating : WOG 300, 600, 800, 1000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE

Handle : Flat, T-Bar, Economical Stem Extension

V-Port Ball Option : N/A

With Anti-static Device Option : Yes

Option : NACE MR-0175

CE  
SIL 3 ATEX IIB / IIC  
DIRECT MOUNT PAD



### M602

Size : NPS 1-1/2 to 6 ( DN 40 to 150 )

Rating : WOG 1500, 2000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB, CN7M, CD3MN, CE3MN, CW12MW, 904L, LCC, Titanium Alloy ( Gr. C-2 )

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619, 1.4470

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE

Handle : Cast, T-Bar, Economical Stem Extension

V-Port Ball Option : N/A

With Anti-static Device Option : Yes

CE  
SIL 3 ATEX IIB / IIC  
DIRECT MOUNT PAD



### M202

Size : NPS 1/4 to 2 ( DN 8 to 50 )

Rating : WOG 1000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M, CF3M, CF8, CF3, WCB

Body & Caps ( EN ) : 1.4408, 1.4409, 1.4308, 1.4309, 1.0619

Seats : PTFE, RTFE, CTFE, TFM1600, MG1241, STFE

Handle : Flat, Economical Stem Extension

V-Port Ball Option : N/A

With Anti-static Device Option : Yes

CE  
SIL 3 ATEX IIB / IIC  
DIRECT MOUNT PAD



## Cryogenic Valve

### S320

Size : NPS 1/4 to 2 ( DN 8 to 50 )

Rating : WOG 1000

Bore : Full / Reduced Bore

Body & Caps ( ASTM ) : CF8M, CF3M

Body & Caps ( EN ) : 1.4408, 1.4409

Seats : PCTFE

Handle : Cast

V-Port Ball Option : Yes

With Anti-static Device Option : Yes

CE  
SIL 3 ATEX IIB / IIC  
DIRECT MOUNT PAD



## Check Valve

### T701

Size : NPS 3/8 to 4 ( DN 10 to 100 )

Rating : WOG 800,1000

Bore : Full Bore

Body & Caps ( ASTM ) : CF8M

Body & Caps ( EN ) : 1.4408

Handle : N/A

V-Port Ball Option : N/A

With Anti-static Device Option : N/A

CE





## Valve Accessories

### Handle Options



Oval Handle  
Material : 304, 316



Flat ( with / without Spring Return Lock )  
Material : 304, 316



Economical Stem Extension



Spring Return Safety (SRS) Handle  
Option : Fail Open / Fail Close assembly



T-Bar Handle  
Material : 304, 316

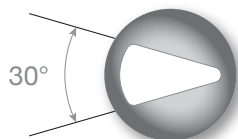


S.S Investment Casting Handle  
Material : CF8, CF8M

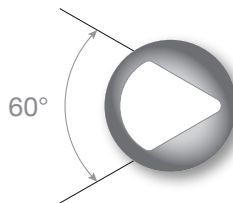


Butterfly Handle

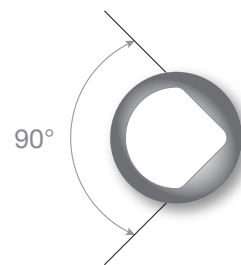
### V-Port Ball



30°



60°



90°

### Accessories



TSM



TSM with Handle

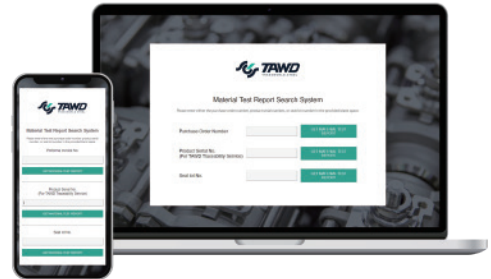


Actuator

# Digital Traceability Passport

## Rapid Traceability System

The Digital Traceability Passport(DTP) is a groundbreaking tool that enhances traceability and transparency in supply chain management. By making material test report accessible, DTP advances the digital revolution in manufacturing, focusing on efficiency, reliability, and quality. It reflects our commitment to ethics and helps businesses quickly identify and address issues.



## Key Benefits of the Digital Traceability Passport



### Comprehensive Traceability Service (Optional)

Each valve is assigned a unique number in the DTP system, providing complete traceability. This allows for precise issue tracking back to the specific valve and supplier, enhancing accountability.



### Transparency and Reliability

DTPs offer detailed, secure insights into material composition, boosting transparency and reliability while ensuring all stakeholders understand their chemical components.



### Streamlined Process

The DTP system integrates seamlessly into digital workflows. This integration streamlines business process in material management and enhance supply chain coordination.



### Verifying Compliance

The DTP system ensures the materials comply with industry standards and regulations, while also maintaining adherence to quality standards and ensuring material conformity.

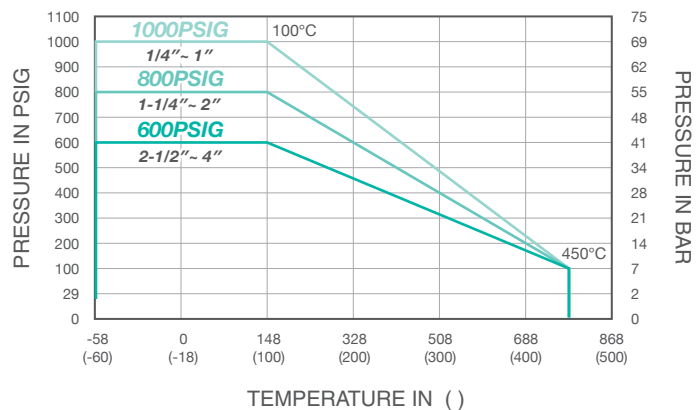
## Available Seats

PTFE	100% Virgin Polytetrafluoroethylene
RTFE	Reinforced Teflon : 85% PTFE, 15% Glass Fiber
50/50 STFE	50% 316 SST Powder, 50% PTFE
TFM 1600	TFM Modified PTFE 1600
CTFE	25% Carbon Graphite, 75% PTFE
MG1241	5% Graphite, 20% Glass Fiber, 75% PTFE
PCTFE	Polychlorotrifluoroethylene
PEEK	Polyether Ether Ketone
UHMWPE	Ultra High Molecular Weight Polyethylene
Delrin	DuPont Polyoxymethylene

# Hard Graphite Seat

**High Temperatures**  
**High Performance**

Pressure vs. Temperature Chart



## SS 316 + Graphite Seat

Unidirectional ball valve / Recommended for low abrasion application

Specification	
Body material	Standard in WCB, CF8M (Special material is available according to application)
Nominal size	1/4 to 4
End connections	Thread / Socket Weld / Butt Weld / Flanged
Temperature range	-60 °C to 450 °C
Body pressure testing	EN 12266-1 / API 598
Seat leakage testing	EN 12266-1 Rate A





**Transworld Steel Enterprise Co., Ltd.**

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**Address** No. 34, Gongye 14th Rd., Dali Dist.,  
Taichung City, 412038, Taiwan (R.O.C.)



Established in 1992  
TAWD has dedicated over 30 years to  
manufacturing premium ball valves

**INNOVATION**

**INTEGRITY**

**STRICT SELECTION**