



# SUNOLINO GROUP



## Valve & Strainer Brochure



LTK FLUID CONTROL CO.,LTD  
MAXWELL PLASTIC & RUBBER TECH CO., LTD





SUNOLINO GROUP has strong technical capabilities and strong independent research and development capabilities. SUNOLINO GROUP has invested and established two factories — Maxwell Plastic & Rubber Tech Co., Ltd. and LTK Fluid Control Co., Ltd. We have formed a modern hose & valve manufacturing enterprise that integrates design, manufacturing, sales, and service; KURIYAMA advanced production and manufacturing technology located in Aichi, Japan has been introduced, ISO9000 quality certification system management has been actively introduced, quality is strictly controlled, and constant innovation in technology and management has always been committed to making the enterprise embark on a virtuous circle of large-scale operation. The company has a complete production management, quality and marketing management system, and wholeheartedly provides high-quality products and perfect services for customers.

We adhere to the corporate motto of Japanese enterprises winning by quality, adheres to the quality policy of "opening up sources and reducing costs, receiving and sending freely, your satisfaction, my pursuit", and promotes the corporate spirit of "technology oriented, striving for leadership", continuously innovating products. The company's products involve national standards, American standards, German standards, British standards, Japanese standards, Russian standards, and other standards. They are widely used in various fields such as oil, natural gas, electricity, LCD, shipbuilding, marine high-temperature engines, marine ballast water, air separation, chemical engineering, papermaking, construction, food, etc., and have received widespread praise and customer support.

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## Knife Gate Valve



Size Range:	DN50~600mm NPS 2"-24" (Larger size on request)
Max Working Press.:	DN50~DN250: 10Bar NPS2~NPS10: 150Psi DN300~DN450: 7Bar NPS12~NPS18: 90Psi DN500~DN600: 4Bar NPS20~NPS24: 60Psi
Temp. Range:	-30~+800°C
Seal Tightness:	According to MSS SP-81
Body Material:	Carbon Steel, Stainless Steel, Special Alloy
Gate Material:	Stainless Steel Chrome Plated, Special Alloy
Seat Material:	Stainless Steel+STL EPDM (120°C) /Viton(200°C)/PTFE(200°C) /NBR(90°C)
Face to Face:	MSS SP-81
Flange Standard:	GB/T 9113.1, JB/T 79.1, HG 20592, ASME B16.5, EN1092-1
Applications:	Pulp & Paper, Water Treatment, Beverage & Food, Fine Chemical, Power Planet, Steel Industry, etc.

## Y Strainer



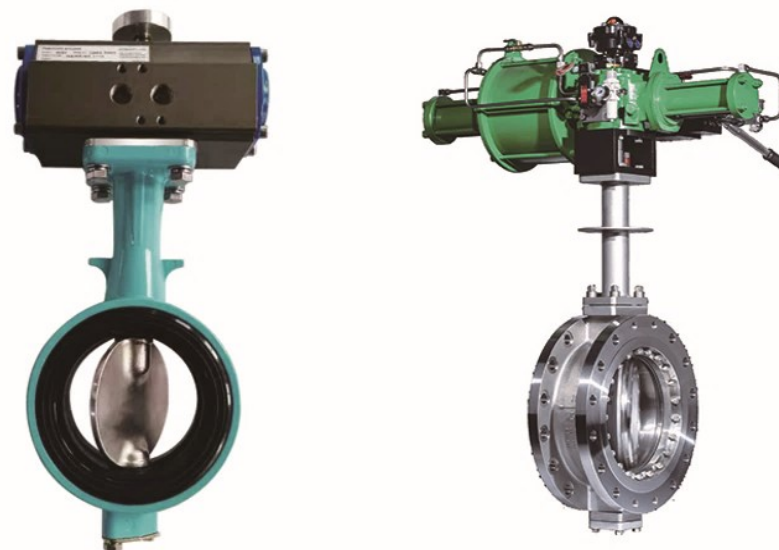
## T Strainer



## Brass & Bronze Valve



## Butterfly Valve





## Gate Valve



### Applicable products range

CLASS: CL150 ~CL2500

### Applicable standards

Design:API 602 - ISO 15761 - ASME B16.34  
 Inspection & testing:API 598  
 Marking:MSS SP-25  
 P/T rating:ASME B16.34  
 Fugitive emission:API 624 - ISO 15848  
 Face to face:ASME B16.10  
 End to end:ASME B16.10  
 Socket welding:ASME B16.11  
 Screwed ends:ASME B1.20.1  
 Flanged:ASME B16.5  
 Butt welding:ASME B16.25



### Products structure

Bonnet type: Bolted bonnet (BB), Welded bonnet (WB)  
 Features:Outside Screw & Yoke (OS&Y) , Solid wedge,  
 Renewable seat

Body material:  
 FCD450, WCB, A105, LF2, F11, F22, F91, F304/304L,  
 F316/316L, F321, F347, F51, Monel, Inconel , bronze etc.

## Globe Valve



### Applicable products range

CLASS: CL150 ~CL2500

### Applicable standards

Design:API 602 - ISO 15761 - ASME B16.34  
 Inspection & testing:API 598  
 Marking:MSS SP-25  
 P/T rating:ASME B16.34  
 Fugitive emission:API 624 - ISO 15848  
 Face to face:ASME B16.10  
 End to end:ASME B16.10  
 Socket welding:ASME B16.11  
 Screwed ends:ASME B1.20.1  
 Flanged:ASME B16.5  
 Butt welding:ASME B16.25

### Products structure

Bonnet type: Bolted bonnet (BB), Welded bonnet (WB)  
 Features:Outside Screw & Yoke (OS&Y) , Solid wedge,  
 Renewable seat

Body material:  
 FCD450, WCB, A105, LF2, F11, F22, F91, F304/304L,  
 F316/316L, F321, F347, F51, Monel, Inconel , bronze etc.



# Check Valve

## Applicable products range

CLASS: CL150 ~CL2500

## Applicable standards

Design:API 602 - ISO 15761 - ASME B16.34

Inspection & testing:API 598

Marking:MSS SP-25

P/T rating:ASME B16.34

Fugitive emission:N.A.

Face to face:ASME B16.10

End to end:ASME B16.10

Socket welding:ASME B16.11

Screwed ends:ASME B1.20.1

Flanged:ASME B16.5

Butt welding:ASME B16.25



## Products structure

Bonnet type: Bolted bonnet (BB), Welded bonnet (WB)

Features:Swing type, Lift type (piston), Ball type

Body material:

FCD450, WCB, A105, LF2, F11, F22, F91, F304/304L,

F316/316L, F321, F347, F51, Monel, Inconel, bronze etc.

# Wafer Check Valve



## Products structure

Body Materials:

Cast Iron, Carbon Steel, Stainless Steels, Duplex Stainless Steel, Super Duplex, Alloy steel, Inconel, Monel, bronze etc.

Resilient Seat Materials: EPDM,BUNAN,NBRVITON

Integral and overlaid metal seats are also available

End Connections:

Raised face, Plain Face, Ring Joint,Weld-End, Hub-End



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