



# ARITA PRODUCT CATALOG

MANUFACTURER, IMPORTER, TRADER, STOCKLIST, DISTRIBUTOR



#edisi IV/2019

*Empowering industries for the future*

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# PROFIL ARITA

Berdiri sejak tanggal 05 Oktober 2000 di Jakarta, Indonesia, PT Arita Prima Indonesia Tbk merupakan perusahaan yang bergerak di bidang impor, distribusi, dan servis untuk produk valve, fitting, instrumentation, serta control. Sampai sekarang sudah ada 32 unit bisnis yang ada di Arita :

## 32 UNIT BISNIS

1. *Pressure & Temp Measurement*
2. *Level Measurement*
3. *Flowmeter*
4. *Water Analysis*
5. *Control Valve*
6. *Steam Line*
7. *Flexible Hose & Fitting Reg*
8. *Water Pump*
9. *UPVC*
10. *Sanitary & Fitting Flange*
11. *Building & Safety Equipment*
12. *Oleochemical*
13. *Palm Oil*
14. *Marine*
15. *Waterwork*
16. *CCTV*
17. *Oil & Gas*
18. *Petrochemical*
19. *Powerplant*
20. *Mining*
21. *Calibration Service*
22. *Internet of Things*
23. *Automation System*
24. *Boiler System*
25. *Emission System*
26. *Cutting Welding Tool*
27. *WTP*
28. *WWTP/IPAL*
29. *Reverse Osmosis System*
30. *Manual Valve & Fitting*
31. *Manufacture Factory*
32. *Industrial Developer*

**1<sup>st</sup>** perusahaan valves pertama dan satu – satunya yang menjadi GO PUBLIC di Indonesia  
Jumlah jenis produk yang tersedia **2,500 +**

## Visi

Menjadi industri pelopor dalam menyediakan produk, layanan, serta solusi unggulan guna mendukung terciptanya masyarakat lebih baik di masa depan

## Misi

1. Berkomitmen dalam membangun hubungan yang saling menguntungkan secara jangka panjang dengan segenap shareholders dan stakeholders
2. Menyediakan produk berkualitas dari merek terpercaya, layanan kelas satu, serta solusi inovatif bagi seluruh pelanggan
3. Menjadi perusahaan dengan tingkat produktivitas dan efektivitas prima serta secara dinamis terus beradaptasi terhadap perubahan yang ada

## BELLS PRODUCTS

### CHECK VALVE



Ready Stok : DN50-DN300

### Y-STRAINER



Ready Stok : DN50-DN400

### RESILIENT SEAT GATE VALVE



Ready Stok : DN50-DN300



Ready Stok : DN350-DN800

### BALL AIR VALVE



Ready Stok : DN50-DN100



Ready Stok : DN50-DN150

## PRODUCTS SUPPORT

### DRESSER JOINT FOR STEEL, PVC & HDPE



Size : DN50-DN600

### FLANGE ADAPTOR FOR STEEL, PVC & HDPE



Size : DN50-DN600

### DISMANTLING JOINT



Size : DN50-DN600

### TEE ALL FLANGE



Size : DN50-DN600

### Y ALL FLANGE



Size : DN50-DN600

### REDUCER DRESSER



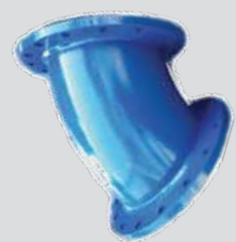
Size : DN50-DN600

### CLAMP SADDLE



Size : DN50-DN600

### BEND ALL FLANGE



Size : DN50-DN600



# SAFETY EQUIPMENT

COMFORT & SAFE PROTECTION



Helmet & Safety Google Glass



Rompi Jaring V Neck & Cover All Nomex



Rubber Boot



1406 H PU Sole



KMD 1403



SSKMDPUSL 1401H



KMD 1502



1407C Rubber Sole

## ARITA CCTV

### INDOOR CAMERA

#### LOW



##### Indoor IR Eyeball

- 3-axis adjustment
- True Day/Night
- DNR, Smart IR
- Up to 20m IR distance

#### MIDDLE



##### Fixed Dome Network Camera

- Support dual streams
- Up to 30 meters IR range
- Support Wi-fi
- IR cut filter with auto switch
- DC12V & PoE, IP67, IK10
- Built-in Micro SD/SDHC/SDXC card slot, up to 128 GB

#### HIGH



##### Fixed Dome Network Camera

- H.265+/H.265/H.264+/H.264
- 2.8-12mm motorized VF lens
- Dark Fighter ultra-low light technology
- Intrusion & line crossing & object removal & unattended baggage & face detection
- 120dB WDR
- IP67, IK10
- 3 Streams;
- Hik-Connect Service
- Up to 128GB on-board storage

### OUTDOOR CAMERA

#### LOW



##### Outdoor IR Bullet

- 3-axis adjustment
- True Day/Night
- DNR, Smart IR
- Up to 20m IR distance

#### MIDDLE



##### IR Bullet Network Camera

- High resolution
- HD real-time video
- 3D DNR & DWDE & BLC
- IR LEDs: up to 30m
- PoE, IP67
- Built-in Micro SD/SDHC/SDXC card slot up to 128 GB

#### HIGH



##### Vari-focal EXIR Bullet Network Camera

- H.265+/H.265/H.264+/H.264
- 2.8-12mm motorized VF lens
- Dark Fighter ultra-low light technology
- Intrusion & line crossing & object removal & unattended baggage & face detection
- 120dB WDR
- IP67, IK10
- Up to 128GB on-board storage



Pressure : 10-20 Bar  
 Temp : -30C +70C  
 Tube : Black, Smooth, SBR Rubber, Oil Mist resistant.  
 Reinforcement : High Synthetic cord  
 Cover : Black  
 Size : ½" – 1"



Pressure : 18 Bar  
 Temp : -40C +210C  
 Tube : Black,smooth, EPDM rubber, resistant to saturated steam  
 Reinforcement : Insert of steel wire  
 Cover : Red  
 Size : 3/8" - 1"



Pressure : 10 – 16 Bar  
 Temp : -20C +70C  
 Reinforcement : High strength syntetic cord, antistatic copper wire, and steel helix wire  
 Cover : Black  
 Size : ¾" - 8"



Pressure : 10 – 16 Bar  
 Temp : -30C +70C  
 Tube : Black, smooth, cross-linked polyethylene (XLPE)  
 Cover : Green  
 Size :



Pressure : 14 Bar  
 Temp : -40C +100C  
 Application : Heavy Duty Fuel / Oil liquid Transfer  
 Inner : Galvanised Steel  
 Outer : Galvanised Steel  
 Colour : Blue  
 Size : 3"-10"



Pressure : 16 Bar  
 Temp : -105C +100C  
 Application : Liquid Petroleum Gas LPG  
 Inner Wire : SUS 316  
 Outer Wire : SUS 316  
 Colour : White  
 Size : 3" - 10"



Pressure : 14 Bar  
 Temp : -40C +100C  
 Application : Heavy duty Chemical / solvents liquid transfer  
 Inner Wire : SUS 316  
 Outer Wire : SUS 316  
 Colour : Green  
 Size : 3"-10"



Pressure : 14 Bar  
 Temp : -40C +125C  
 Application : Heavy duty aggressive / chemical liquid transfer  
 Inner Wire : SUS 316  
 Outer Wire : SUS 316  
 Colour : Red  
 Size : 3"-10"



Pressure : 10-15 Bar ( Single Braided )  
 Temp : -200C +400C  
 Material : SUS 304 – SUS 316  
 Size : ½" – 12"



Sanitary Butterfly Valve



Sanitary Butterfly Multi Position



Sanitary Pneumatic Butterfly Valve



Sanitary Electric Butterfly Valve



Sanitary 3PC Butterfly Valve



Sanitary Check Valve



Sanitary Sight Glass



Sanitary Straight Ball Valve



Sanitary 3PC Ball Clamp



Sanitary 3Way Clamp



Sanitary Pneumatic Ball Valve



Sanitary Diaphragm Valve High Temperature



Sanitary Pneumatic Diaphragm



Sanitary Y - Strainer



Sanitary Straight & Angle-Type Strainer



Sanitary Pneumatic Reversing Valve



Sanitary Sample Valve



Circular Type Manhole Cover



Sanitary Pipe



Sanitary Clamp



## SANITARY VALVE



Sanitary Union



Sanitary Fitting



Sanitary Cleaning Ball



Sanitary Centrifugal Pump

## FITTING & FLANGE



### Elbow BSPT

Body : SS316, 304  
Size : 1/2"-12" (45 & 90°)  
Type : Drat MF, Draf FF, & Reducer, ANSI 150



### Flange

Body : SS304, 316  
Size : 1/2"-12"  
Type : SORF, FF, & Blind Flange  
Conn : JIS 10K, JIS 5K, PN 10, PN 16, ANSI 150



### Tee & Cross BSPT

Body : SS304, 316  
Size : 1/2"-12"  
Type : Drat FF & Reducer #150



### Elbow, Tee & Reducer

Body : SS304, 316  
Size : 1/2" - 24"  
Type : Butt Weld  
Conn : SCH 10, 20 & 40



### Nipple & Socket BSPT

Body : SS304, 316  
Size : 1/8"-4"  
Type : Half Drat & Full Drat (Socket), Reducer, Hex, Hex Hose (Nipple) #150



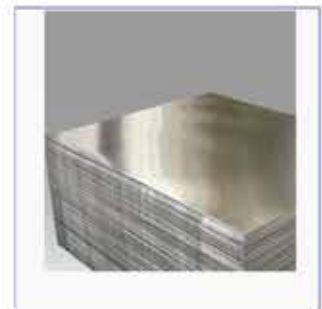
### Stainless Steel Pipe

Body : SS304, 316  
Size : 1/2" - 24"  
Type : Welded & Seamless  
Conn : SCH 10, 20 & 40



### Union, Cap & Plug BSPT

Body : SS304, 316  
Size : 1/8"-4"  
Type : MF & FF (Union) Round & Hex (Cap) Hex & Square (Plug) #150



### Stainless Steel Plat

Body : SS304 & 316  
Type : Rough & Fine Surface



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Body : PVC / PVDF  
 Size : ½" – 8"  
 Connection : Flange



Body : PVC / PVDF  
 Size : ½" - 2"  
 Connection : Screw, Socket



Body : PVC, PVDF, PP  
 Size : ½" - 4"  
 Connection : Screw, Socket, Flange



Body : PVC, PVDF, PP  
 Size : ½" - 4"  
 Connection : Socket / Screw



Body : PVC, PVDF, PP  
 Size : 1" - 12"  
 Connection : Flange



Body : PVC, PVDF, PP  
 Size : ½" - 8"  
 Connection : Socket, Flange



Body : PVC, PVDF, PP  
 Size : ½" - 4"  
 Connection : Socket, Screw, Flange



Body : PVC, PVDF, PP  
 Size : ½" - 4"  
 Connection : Socket, Screw



Body : PVC/PP  
 Size : ½" – 4"  
 Connection : Socket



Body : PVC / PP  
 Size : ½" – 12"  
 Connection : Socket, Screw



Body : UPVC  
 Size : 1" – 8"  
 Connection : Flange, Socket



**WQD**

Body : Stainless Steel  
 Range Max Flow : 7-15 m<sup>3</sup>/Jam  
 Range Max Head : 8-20M  
 Applications : Waste Water



**WQ**

Body : Stainless Steel  
 Range Max Flow : 9-100 m<sup>3</sup>/Jam  
 Range Max Head : 15-40M  
 Applications : Waste Water



**DEEP WELL PUMP / SUMUR BOR**

Type : QDJ  
 Max Fluid Temperature : >+40°C  
 Max Sand Content : 0.15%  
 Max Immersion : 50M  
 Minimum Well Diameter : 4"  
 Applications : Water Supply, Domestic Use, Reservoir, Civil & Industrial Application, Irrigation



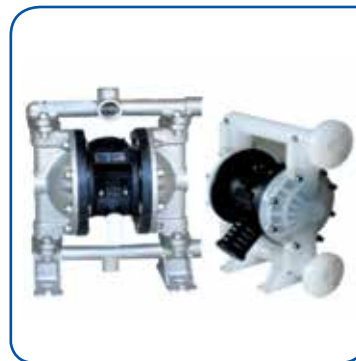
**DIAPHRAGM - TYPE METERING PUMP**

Pump Head : PVC, PTFE, SS304, SS306  
 Flow : 14 ~ 3600 LPH  
 Pressure : 1~ 10 Bar  
 Voltage : 220V/380V  
 Pump Case : Alumunium  
 Diaphragm : PTFE  
 Valve Ball : Ceramic Not for high viscosity (more than 500 cps)  
 Industry : Water Treatment, etc.  
 Application : Suitable for acid (PTFE), Waste Water



**MATERING PUMP**

- Simplex Models
- Duplex Models



**DIAPHRAGM PUMP**

Model : PP, PVDF, SS304, SS306, Aluminium Alloy  
 Max Flow : 18 ~ 1060 Lpm  
 Max Head : 84 Meter  
 Valve Ball : Teflon, Hytrel, Buna N, Viton, Santoprene  
 Diaphragm : Teflon, Hytrel, Buna N, Viton, Santoprene  
 Suction : 1/2" - 3"  
 Discharge : 1/2" - 3"  
 Industry : Water Treatment, Pharmacy, Ink, Textile - Sanitary, Mining, etc.  
 Application : Clean Water, Food, Chemical, Paint : Waste water



**GEAR PUMP**

Model : GB, GC and GL  
 Flow : 10 ~ 200 Lpm  
 Max Pressure : 1~5 Bar  
 Gear Material : Cast iron, Brass  
 Frequensi : 50 Hz/60 Hz  
 Connection Dia : 1/2" - 2"  
 Industry : Water Treatment, Pharmacy, Ink, Textile - Sanitary, Mining, etc.  
 Application : GB (Water, Sea Water, Weak Acid) - GC (Kerosene, Light Oil, Machine Oil, Heavy Oil) - GL (Low Viscosity Oil)



**INLINE VERTICAL SINGLE STAGE**

Model : IRG  
 Application : Suitable For Clean water-liquids withouts contains any chemical - Liquids withouts contains any chemical  
 Range Capacity : 8m<sup>3</sup>/h ~ 500m<sup>3</sup>/hour  
 Range Head : 12m ~ 90m  
 Power : 1.1Kw ~ 132 Kw  
 Connection Dia : 32mm~250mm  
 Liquid Temp : -10°C ~ +120°C  
 Material Body : Cast Iron  
 Using Range : Water supply , Cleaning sets ,water circulation and agricultural - Pressure boosting , irrigation , industrial application - Irrigation , industrial application , water circulation and agricultural



### SEMI SUBMERSIBLE SLURRY PUMP

Model : NL  
 Application : Suitable For Dirty water and liquids withouts contains any chemical  
 Range Capacity : 30m<sup>3</sup>/h ~ 180m<sup>3</sup>/hour  
 Range Head : 7m ~ 25m  
 Power : 1.5Kw ~ 22 Kw  
 Connection Dia : 50mm ~ 150mm  
 Liquid Temp : -10°C ~ +120°C  
 Material Impeller : Cast Iron  
 Using Range : Water supply, Irrigation - Industrial application , Water circulation and agricultural



### VERTICAL MULTISTAGE PUMP

Model : CDLF  
 Application : Suitable For Clean water and liquids withouts contains any chemical  
 Range Capacity : 1m<sup>3</sup>/h ~ 240m<sup>3</sup>/H  
 Range Head : 7m ~ 320m  
 Power : 0.37Kw ~ 110 Kw  
 Connection Dia : 25mm ~ 150mm  
 Liquid Temp : -10°C ~ +120°C  
 Material Impeller : Stainless Steel 304  
 Using Range : Water supply, Irrigation, Booster supply - Industrial application , Water circulation and agricultural



### ANTI CORROSION CENTRIFUGAL PLASTIC PUMP

Model : FS  
 Application : Suitable For Clean water and Chemical liquids (acid or alkali)  
 Range Capacity : 1 m<sup>3</sup>/h ~ 10m<sup>3</sup>/h  
 Range Head : 6m ~ 20m  
 Power : 0.75Kw ~ 1.5 Kw  
 Connection Dia : 25mm ~ 50mm  
 Liquid Temp : 10°C ~ +50°C  
 Material Impeller : FRPP  
 Using Range Chemical Transfer , Chemical suction, seawater transfer  
 Using Range : Chemical Transfer , Chemical suction, seawater transfer



### STAINLESS CENTRIFUGAL PUMP

Model : WBS / CVQ  
 Application : Suitable For Clean water and Chemical liquids (acid or alkali)  
 Range Capacity : 3m<sup>3</sup>/h ~ 114m<sup>3</sup>/H  
 Range Head : 8m ~ 30m  
 Power : 32mm ~ 100mm  
 Connection Dia : 0.25Kw ~ 11 Kw  
 Liquid Temp : -10°C ~ +70°C  
 Material : SUS304  
 Using Range : Chemical Transfer - Clean Water, Chemical suction and any activity that contains chemical



### SELF PRIMING CHEMICAL PUMP

Model : QHB  
 Application : Suitable For Clean water and Chemical liquids (acid or alkali)  
 Range Capacity : 12m<sup>3</sup>/h ~ 41m<sup>3</sup>/h  
 Range Head : 10m ~ 29m  
 Power : 0.75Kw ~ 3.7 Kw  
 Connection Dia : 40mm ~ 80mm  
 Liquid Temp : -10°C ~ + 90°C  
 Material : GFRPP / PVDF  
 Using Range : Clean Water, Chemical suction and any activity that contains chemical - Chemical Transfer



### ELECTRIC MOTOR

Model : B3 (Foot Mounted), B5 (Flange Mounted), B35 (Foot & Flange Mounted)  
 Case : Cast Iron / Alumunium  
 Range Power : 0.18 Kw - 200 Kw (Freq 50Hz and 60Hz)  
 Speed : 6 Pole, 4 Pole, 2 Pole  
 Insulations Class : Class F  
 Protection Class : IP 55, & \*PTC (Positive Temperature Coefficient).  
 Connection : Y Start-connection for 3 Kw and below - Δ Delta connection for 4 Kw and above.  
 Voltage : 220V/380V & 380V/660V  
 Cooling Method : IC411  
 Ambient Temperature : -20°C ~ 40° C.



### WORM GEAR SPEED REDUCERS

Model : WPA/ASS, WPS/BSS, WPX/ESS, WPO/ESS, DLL.  
 Size : 40 -250  
 Ratio : (WPA/ASS)1/10 - 60, (WPS/BSS) 1/10 - 60, (WPX/VSS) 1/10 - 60, (WPO/ESS) 1/10 - 60  
 Type : Single Worm, Double Worm, Single Worm with Fan, Bored Output with Motor Flange, Single Worm with Motor Flange, Vertical Single Worm, Vertical Single Worm with Motor Flange, Vertical Double Worm, Double Worm with Motor Flange



### HELICAL GEAR SPEED REDUCERS

Model : MHF, MFV, MHD, MVD, MHM, MVM, MNF, MXF, MND, MXD,  
 Type : Foot Mounting, Flange Mounting, Hollow-Bore Input with Flange, - Double Solid Shafts, Couple with Motor, Horizontal Multi-Stage/ - Hollow-Bor Input with Flange, Horizontal Multi-Stage/ Double Shafts - Vertical Multi-Srage Double Shafts  
 Wide Range Ratio : 1 : 5 to 1 : 14475  
 Wide Range Power : 1/4 Hp to 250 Hp  
 High Efficiency, High Strength, Low Noise





### HELICAL GEAR SPEED REDUCERS

Model : NMRV - NRV  
 Worm Gear Motor Size : NMRV 030 - 130  
 Worm Gear Reducer Size : NRV 030 - 130  
 Range Power : 0.18 Kw - 5.5 Kw  
 Rating Motorized ~ Motorised Unit  
 Input Speed at 1400 Rpm



### RING BLOWER

Model : RB Series  
 Range Power : 0.38 ~ 20 kw  
 Voltage : 220 ~ 380 ~ 660V  
 Max Pressure : + 100 mBar ~ + 400 mBar  
 Max Air Flow : 75 m3/h ~ 1134 m3/h  
 Max Suction : - 92 mBar ~ -350 mBar



### CENTRIFUGAL PUMP END SUCTION

Model : AR, ETA, EA, PSC, NSC, ES Etc.  
 Capacity range : 3~460 m³/h  
 Head range : 3~132m  
 Diameter range : 25~250mm  
 Power range : 0.75~55kW  
 Using range : Industry, City water supply and drainage, Agriculture irrigation and drainage, Petrification, Pharmacy, Food, Textile and Machinery industries, etc.



### SINGLE STAGE DOUBLE SUCTION SPLIT CASE PUMP

Model : AR, ETA, EA, PSC, NSC, ES Etc.  
 Capacity range : 80~3170 m³/h  
 Head range : 10~800m  
 Diameter range : 100~800mm  
 Power range : 22~1250kW  
 Max medium temperature : 70°C  
 Material : Cast iron, Stainless steel  
 Using range : Factory, Mine, City water supply and drainage, Power station, Farmland irrigation and drainage, All kinds of water conservancy projects, etc



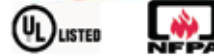
### ELECTRIC FIRE PUMP

Model : AR, ETA, EA, PSC, NSC, ES Etc.  
 Range Capacity : 250, 500, 750, 1000, 1250 gpm  
 Range Head : 60 ~ 160 m  
 Range Power : 22kw ~160 KW (30~220 HP)  
 Connection Dia : 100mm~500mm (suction), 65mm ~ 350mm (Discharge)



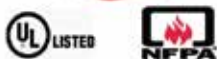
### DIESEL FIRE PUMP

Model : AR, ETA, EA, PSC, NSC, ES Etc.  
 Range Capacity : 250, 500, 750, 1000, 1250 gpm  
 Range Head : 60 ~ 160 m  
 Range Power : 22kw ~160 KW (30~220 HP)  
 Connection Dia : 100mm~500mm (suction), 65mm ~ 350mm (Discharge)



### JOCKEY PUMP

Model : CDLF  
 Range Capacity : 5 ~ 79 gpm  
 Range Head : 8 ~ 130 m  
 Range Power : 1.1 ~ 7.5 m  
 Connection Dia : 25 ~ 80mm



### BOOSTER SET PUMP (PACKAGE PUMP)

Model : Centrifugal End Suction, Vertical Multi Stage, Micro Centrifugal dll  
 Application : Suitable For Clean Water of Plumbing Project  
 Range Capacity : 1 m3/h ~ 100m3/h  
 Range Head : 6m ~ 200m  
 Power : 0.75Kw ~ 22 Kw  
 Connection Dia : 80mm ~ 250mm  
 Liquid Temp : -10°C ~ +50°C (Hot water 120°C\*)  
 Material Impeller : Cast Iron, Stainless stell  
 Using Range : Fire Fighting Water, Factory Water Circulation, Water Supply  
 Operating System : Paralel Alternate or VSD System



**BALL VALVE 1 PC BODY**  
 Body : Brass  
 Size : 1/4" - 4"  
 Conn : BSPT 400 WOG  
 Chrome / Without Chrome



**BALL VALVE 1 PC BODY**  
 Body : SUS 304 / 316  
 Size : 1/4" - 4"  
 Conn : BSPT 1000 WOG  
 PTFE Seat



**BALL VALVE 1 PC BODY**  
 Body : Cast Steel / WCB  
 Size : 1/4" - 4"  
 Conn : BSPT 1000 WOG



**BALL VALVE 1 PC BODY**  
 Body : Forged Steel  
 Size : 1/2" - 4"  
 Conn : NPT 6000 WOG  
 PTFE Seat



**BALL VALVE 1 PC BODY**  
 Body : Cast Steel / A105  
 Size : 1/2" - 4"  
 Conn : BSPT 1000 WOG  
 RPTFE - PTFE Seat



**BALL VALVE 1 PC BODY**  
 Body : SUS 304 / 316  
 Size : 1 1/2" - 8"  
 Conn : Flange End PN16  
 PTFE Seat



**BALL VALVE 2 PC BODY**  
 Body : Brass / Bronze  
 Size : 1/2" - 4"  
 Conn : BSPT 600 WOG  
 Forged Bonze / Brass



**BALL VALVE 2 PC BODY**  
 Body : SUS 304/316  
 Size : 1/4" - 4"  
 Conn : BSPT 1000 WOG  
 PTFE Seat



**BALL VALVE 2 PC BODY**  
 Body : Forged Steel  
 Size : 1/4" - 4"  
 Conn : NPT 2000 WOG  
 With Mounting Pad



**BALL VALVE 2 PC BODY**  
 Body : Cast Steel / WCB  
 Size : 1/4" - 4"  
 Conn : BSPT 2000 WOG  
 Non Mounting Pad



**BALL VALVE 2 PC BODY**  
 Body : Cast Steel / WCB  
 Size : 1/4" - 4"  
 Conn : BSPT 2000 WOG  
 PTFE Seat



**BALL VALVE 2 PC BODY**  
 Body : SUS 304, 316  
 Cast Iron, Cast Steel  
 Size : 1" - 12"  
 Conn : Flange JIS 10K, PN16,  
 PN40, ANSI 150, ANSI 300



**BALL VALVE 3 PC BODY**  
 Body : SUS 304 / 316  
 Size : 1/2" - 4"  
 Conn : BSPT / BW1000 WOG  
 PTFE Seat



**BALL VALVE 3 PC BODY**  
 Body : Cast Steel / WCB  
 Size : 1/2" - 4"  
 Conn : BSPT / BW  
 1000 WOG, PTFE Seat



**BALL VALVE 3 WAY**  
 Body : SUS 304 / 316  
 Size : 1/2" - 4"  
 Conn : BSPT 1000 WOG  
 PTFE Seat L-Port / T-Port



**BALL VALVE 3 WAY**  
 Body : A216 WCB  
 Size : 1/2" - 10"  
 Conn : Flange ANSi 150, 300  
 L-Port / T-Port





### BALL VALVE 3 WAY

Body : Brass  
 Size : 1/2" - 4"  
 Conn : BSPT 400 / 600 PTFE  
 Seat L-Port/T-Port



### BALL VALVE 4 WAY

Body : Stainless Steel  
 Size : 1/2" - 10"  
 Conn : Flanged JIS 10K /  
 ANSI 150  
 PTFE / RPTFE / Viton / Peek



### BALL VALVE 4 WAY

Body : SUS 304 / 316  
 Size : 1/2" - 4"  
 Conn : BSPT 1000 WOG  
 PTFE / RPTFE / Viton / Peek



### BALL VALVE 2 PC BODY

Body : SUS 304, 316  
 Cast Iron, Cast Steel  
 Size : 1/2" - 12"  
 Conn : Flange JIS 10K, PN 16,  
 PN 40, ANSI 150, ANSI 300  
 With Pneumatic Actuator



### BALL VALVE 3 PC BODY

Body : SUS 304 / 316 Size :  
 1/4" - 4"  
 Conn : BSPT 1000 WOG  
 With Mounting Pad  
 Pneumatic Actuator



### MINI BALL VALVE

Body : SUS 304/Brass Chrome  
 Size : 1/4" - 1"  
 Conn : BSPT



**ARITA GATE VALVE**  
 Body : Cast Iron  
 Size : 1 1/2" - 24"  
 Conn : JIS 10K  
 Non Rising Stem



**ARITA GATE VALVE**  
 Body : Cast Steel / WCB A216  
 Size : 1/2" - 12"  
 Conn : ANSI 150 / 300 / 600



**ARITA GATE VALVE**  
 Body : Cast Iron,  
 Ductile Iron, SS Body,  
 SS Trim, Cast Steel  
 Size : 1" - 20"  
 Conn : JIS 10K/JIS 16K  
 /JIS 20K/PN16/ANSI150/  
 ANSI300  
 Rising Stem



**ARITA GATE VALVE**  
 Body : SUS 304 / 316  
 Size : 1/2" - 12"  
 Conn : Flange End  
 ANSI 150, ANSI 300



**ARITA GATE VALVE**  
 Body : Forged Steel/A105/  
 304/316/304L/316L  
 Size : 1/2" - 2"  
 Conn : NPT / Socket Weld  
 Class 800 / 1500



**GT GATE VALVE**  
 Body : Cast Iron  
 Size : 2" - 12"  
 Conn : JIS 10K  
 Non Rising Stem



**ARITA GATE VALVE 10K**  
 Body : Cast Iron  
 Size : 2" - 12"  
 Conn : JIS 10K  
 Non Rising Stem



**ARITA WAFER TYPE  
 KNIFE GATE VALVE**  
 Body : Cast Iron  
 Size : 2" - 24"  
 Conn : JIS 10K, ANSI 150,  
 ANSI 300  
 Disc : Stainless Steel

## Gate Valve



### ARITA LUG TYPE KNIFE GATE VALVE

Body : Cast Steel  
 Size : ½" - 12"  
 Conn : JIS 10K, ANSI150,  
 ANSI 300  
 Disc : Stainless Steel



### ARITA GATE VALVE

Body : SUS 304 / 316  
 Size : ½" - 4"  
 Conn : BSPT Class 200 WOG



### ARITA GATE VALVE

Body : Forged Brass  
 Size : ½" - 4"  
 Conn : BSPT Class 125



### ARITA GATE VALVE

Body : Bronze  
 Size : ½" - 4"  
 Connb : BSPT Class 150

## Globe Valve



### ARITA GLOBE VALVE

Body : Cast Iron  
 Size : 1½" - 12"  
 Conn : JIS 10K



### ARITA GLOBE VALVE

Body : Ductile Iron, Cast Iron  
 Size : ½" - 16"  
 Conn : PN 16  
 Gland Packing



### ARITA GLOBE VALVE

Body : Cast Steel  
 Size : ½" - 16"  
 Conn : PN16 / PN40  
 Bellow Seal



### ARITA GLOBE VALVE

Body : SUS 316  
 Size : ½" - 12"  
 Conn : Flange End ANSI 150





**ARITA GLOBE VALVE**

Body : Cast Steel  
 Size : 1 1/2" - 12"  
 Conn : ANSI 150, ANSI 300



**ARITA GLOBE VALVE**

Body : Ductile Iron  
 Size : 1/2" - 2"  
 Conn : JIS 10K



**ARITA GLOBE VALVE**

Body : SUS 316  
 Size : 1/2" - 2"  
 Conn : BSPT Class 200 WOG



**ARITA GLOBE VALVE**

Body : Cast Iron / Cast Steel  
 Size : 1/2" - 12"  
 Conn : PN16 / PN40



**ARITA GLOBE VALVE**

Body : Bronze/ Ductile Iron  
 Size : 1/2" - 2"  
 Conn : BSPT



**ARITA GLOBE / Y-GLOBE VALVE**

Body : Forged Steel/A105/  
 304/316/304L/316L  
 Size : 1/2" - 2"  
 Conn : NPT / Socket Weld /  
 Class 800 / 1500

## Strainer Valve



### ARITA Y-STRAINER VALVE

Body : Bronze / Brass,  
Size : ½" - 4"  
Conn : BSPT



### ARITA Y-STRAINER VALVE

Body : Cast Iron, SS 304 / 316  
Size : ½" - 4"  
Conn : BSPT



### ARITA Y-STRAINER VALVE

Body : Cast Iron, Cast Steel,  
SS 304 / SS 316  
Size : ½" - 20"  
Conn : JIS 5K / JIS 10K /  
JIS 16K / ANSI 150 / PN40



### TEE BUCKET STRAINERS

Body : Cast Steel  
Size : 4" - 12"  
Conn : PN 16, PN 40,  
ANSI 150, ANSI 300

## Check Valve



### ARITA SWING CHECK VALVE

Body : Cast Iron / Cast Steel /  
SS 304 / SS 316  
Size : 1" - 12"  
Conn : JIS 10K / ANSI 150 /  
300 / PN16 / PN40



### ARITA SWING CHECK VALVE

Body : SUS 316 / SUS 304  
Size : ½" - 4"  
Conn : BSPT  
Class 200 WOG



### ARITA SWING CHECK VALVE

Body : Brass / Bronze  
Size : ½" - 4"  
Conn : BSPT  
Class 125 / 150



### ARITA LIFT CHECK VALVE

Body : SUS 304, Cast Iron,  
Cast Steel  
Size : ½" - 12"  
Conn : PN 16 / PN 40



### ARITA SWING / LIFT CHECK VALVE

Body : Forged Steel  
 Size : ½" - 2"  
 Conn : NPT / Socket Weld  
 Class 800 / 1500



### ARITA DISCO CHECK VALVE

Body : SUS 316 / WCB  
 Size : ½" - 12"  
 Wafer Type PN 40



### ARITA SINGLE DOOR WAFER CHECK VALVE

Body : Cast Iron,  
 Stainless Steel,  
 Size : 2" - 24"  
 Disc : SUS 304  
 NBR, EPDM Seat  
 Wafer Type



### ARITA DOUBLE DOOR WAFER CHECK VALVE

Body : Cast Iron,  
 Stainless Steel,  
 Size : 2" - 24"  
 Disc : SUS 304  
 NBR, EPDM Seat  
 Wafer Type



### ARITA SINGLE DISC SWING CHECK VALVE

Body : SUS 304 / 316  
 Size : 2" - 20"  
 Disc : SUS 304  
 Viton O - Ring  
 Wafer Type



### ARITA SPRING CHECK VALVE & FILTER

Body : Forged Brass  
 Size : ½" - 4"  
 Conn : BSPT



**WAFER TYPE BUTTERFLY VALVE  
T SERIES SHORT NECK PIN JIS 5K & 10K**

Body : Cast Iron / Ductile Iron  
 Size : 1½" - 12"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Disc : DUCTILE IRON NICKEL PLATED C95400/C95500/C95800/CF8/CF8M/POLISHED  
 Conn : JIS 5K & 10K



**WAFER TYPE BUTTERFLY VALVE T SERIES  
SHORT NECK PINLESS JIS 5K & 10K**

Body : Cast Iron / Ductile Iron  
 Size : 1" - 12"  
 Seat : NBR / EPDM / VITON / SILICONE / PTFE LINED NBR  
 PTFE LINED EPDM / PTFE LINED VITON  
 Upper Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Disc : DUCTILE IRON / COATING NYLON / PTFE / NICKEL C95400/C95500/C95800 / CF8/CF8M / POLISHED  
 Conn : JIS 5K / JIS 10K



**WAFER TYPE BUTTERFLY VALVE  
PIN JIS 10K**

Body : Cast Iron / Ductile Iron  
 Size : 1½" - 14"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Disc : DUCTILE IRON / COATING NYLON / PTFE / NICKEL C95400 / C95500 / C95800 / CF8 / CF8M / POLISHED  
 Conn : JIS 10K



**LUG TYPE BUTTERFLY VALVE  
PIN JIS 10K**

Body : Cast Iron / Ductile Iron  
 Size : 1½" - 14"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Disc : Ductile Iron Nickel Plated Aluminium Bronze / CF8 / CF8M / Polished  
 Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Conn : JIS 10K



**LUG TYPE BUTTERFLY VALVE T SERIES  
SHORT NECK PIN JIS 5K & 10K FLANGED**

Body : Cast Iron / Ductile Iron  
 Size : 1½" - 12"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Disc : Ductile Iron Nickel Plated C95400/C95500/C95800/CF8/CF8M/Polished  
 Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Conn : JIS 5K & 10K



**LUG TYPE BUTTERFLY VALVE T SERIES  
SHORT NECK PINLESS JIS 5K & 10K**

Body : Cast Iron / Ductile Iron  
 Size : 1" - 12"  
 Seat : NBR / EPDM / VITON / SILICONE / PTFE LINED NBR PTFE LINED EPDM / PTFE LINED VITON  
 Lower Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Disc : DUCTILE IRON / COATING NYLON / PTFE / NICKEL C95400/ C95500/C95800 / CF8/CF8M / POLISHED  
 Conn : JIS 5K & 10K



**WAFER TYPE BUTTERFLY VALVE SERIES PIN JIS 10K**

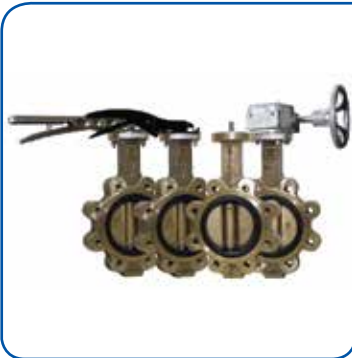
Body : Aluminium Bronze & Nickel Aluminium Bronze  
 Size : 2" - 12"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Conn : JIS 10K



**WAFER TYPE BUTTERFLY VALVE SERIES PINLESS JIS 10K**

Body : Aluminium Bronze & Nickel Aluminium Bronze  
 Size : 2" - 12"  
 Seat : NBR / EPDM / VITON / SILICONE / PTFE LINED NBR PTFE LINED EPDM / PTFE LINED VITON  
 Lower Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Conn : JIS 10K





**LUG TYPE BUTTERFLY VALVE SERIES PIN JIS 10K**

Body : Aluminium Bronze & Nickel Aluminium Bronze  
 Size : 2" - 10"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Conn : JIS 10K



**LUG TYPE BUTTERFLY VALVE SERIES PINLESS JIS 10K**

Body : Aluminium Bronze & Nickel Aluminium Bronze  
 Size : 2" - 10"  
 Seat : NBR / EPDM / VITON / SILICONE / PTFE LINED NBR  
 PTFE LINED EPDM / PTFE LINED VITON  
 Lower Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Conn : JIS 10K



**LUG TYPE BUTTERFLY VALVE PIN JIS 10K**

Body : Cast Iron / Ductile Iron  
 Size : 16" - 24"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Stem : SUS 416 / SUS 316 / SUS 431 / SUS 630  
 Disc : Ductile Iron Nickel Plated Aluminium Bronze / CF8 / CF8M / Polished  
 Conn : JIS 10K



**DOUBLE FLANGE BUTTERFLY VALVE PIN JIS 10K**

Body : Cast Iron / Ductile Iron  
 Size : 28" - 48"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Lower Stem : SUS 416 / SUS 316 / SUS 431  
 Disc : DUCTILE IRON NICKEL PLATED ALUMINIUM BRONZE / CF8 / CF8M  
 Conn : JIS 10K



**WAFER TYPE BUTTERFLY VALVE**

Body : Cast Iron / SUS 304 / SUS 316  
 Size : 1" - 40"  
 Seat : NBR / EPDM / PTFE Seat  
 Disc : SUS 304 / 316  
 UNIVERSAL FLANGE  
 Lever / Gear Operated / Pneumatic / Electric Actuator Operated



**WAFER TYPE BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR**

Body : Cast Iron / SUS 316  
 Size : 1" - 12"  
 Disc : SUS 304 / 316  
 Seat : EPDM, PTFE, M2M  
 Conn : UNIVERSAL- FLANGE with Pneumatic Actuator Operated



**WAFER TYPE BUTTERFLY VALVE PIN JIS 10K**

Body : Cast Iron / Ductile Iron  
 Size : 16" - 26"  
 Seat : NBR / EPDM / VITON / SILICONE  
 Stem : SUS 416 / SUS 316 / SUS 431  
 Disc : DUCTILE IRON NICKEL PLATED ALUMINIUM BRONZE / CF8 / CF8M / POLISHED  
 Conn : JIS 10K



**WAFER / LUGGED TYPE BUTTERFLY VALVE**

Body : Cast Steel / SUS 304 / SUS 316  
 Size : 2" - 12"  
 Seat : Metal to Metal  
 Disc : SUS 304 / 316  
 Conn : ANSI 150 / 300



### ARITA BALL FLOAT VALVE

Body : Cast Iron  
 Size : 1½" - 8"  
 Conn : Flange End



### ARITA BALL FLOAT VALVE

Body : SUS 316 / Brass  
 Size : ½" - 6"  
 Conn : Screwed End BSPT



### JF-ARITA TUBE END EXPANSION JOINT

Size : 1" - 24"  
 Connection : PN 16 / PN 40 / JIS 10K / JIS 20K / ANSI



### JF-ARITA COVERED EXPANSION JOINT

Size : 1" - 24"  
 Connection : PN 16 / PN 40 / JIS 10K / JIS 20K



### ARITA AIR VENT VALVE

Body : Cast Iron  
 Size : ½" - 1"  
 Conn : Screwed End



### ARITA NEEDLE VALVE

Body : SUS 304 / 316 / A105  
 Size : ¼" - 2"  
 Conn : BSPT/NPT  
 Class : 6000 / 10000 / 15000



**ARITA FOOT VALVE**

Body : SUS 304  
 Size : 1½" - 16"  
 Conn : Flanged JIS 10K



**ARITA SPRING CHECK FOOT VALVE**

Body : SUS / Brass  
 Size : ½" - 4"  
 Conn : BSPT



**ARITA FOOT VALVE**

Body : SUS 304 / 316 /  
 Cast Iron  
 Size : ¾" - 4"  
 Conn : BSPT



**ARITA FOOT VALVE**

Body : Cast Iron  
 Size : 1½" - 20"  
 Conn : JIS 10K



**ARITA FOOT VALVE**

Body : Brass  
 Size : ½" - 2½"  
 Conn : BSPT



**ARITA FOOT VALVE LEVER TYPE**

Body : SUS 304  
 Size : 2" - 8"  
 Conn : JIS 10K



**ARITA FOOT VALVE MUFFLING TYPE**

Body : Cast Iron / SUS 304  
 Size : 2" - 12"  
 Conn : Flanged End PN10



### INTEGRAL ELECTROMAGNETIC FLOWMETER

High accuracy, generally  $\pm 0.5\%$ ,  $\pm 0.3\%$  and  $\pm 0.2\%$ . No moving parts in the measuring pipe, no pressure loss. Conductivity of measured liquid can reach at least 5 us/cm. Various liner and electrode materials satisfy most industrial applications. Excellent Small Flow measurement accuracy, can measure duplex flow. Underground sensor (IP68).  
Pipe Connection : JIS 10K, JIS 20K, ANSI 150, ANSI 300, DIN PN 10, DIN PN 16. Outputs : 4~20 mA, Pulse, Alarm Outputs.



### REMOTE ELECTROMAGNETIC FLOWMETER

High accuracy, generally  $\pm 0.5\%$ ,  $\pm 0.3\%$  and  $\pm 0.2\%$ . No moving parts in the measuring pipe, no pressure loss. Conductivity of measured liquid can reach at least 5 us/cm. Various liner and electrode materials satisfy most industrial applications. Excellent Small Flow measurement accuracy, can measure duplex flow. Underground sensor (IP68).  
Pipe Connection : JIS 10K, JIS 20K, ANSI 150, ANSI 300, DIN PN 10, DIN PN 16. Outputs : 4~20 mA, Pulse, Alarm Outputs.



### CLAMPED/SANITARY ELECTROMAGNETIC FLOWMETER

Accuracy 0.5 %, 0.2 %. The measurement can not be influenced by the change of fluid density, viscosity, temperature, pressure and conductivity. The inside of measuring tube do not have the parts to block the flow move, no pressure loss, low demand in straight pipe. Totally deal with digital quantity, high anti-interference, reliable measurement, high precision, flow range reach to 1500:1. With the function of measuring two way flow, can show the positive and reverse flow. Inside have three counters, which can separately show positive cumulation, reverse cumulation and D-value calculation. With RS485 or RS232 digital communication signal output. With self-check and diagnosis functions. Outputs : 4~20 mA, Pulse, Alarm Outputs.



### CERAMIC LINER ELECTROMAGNETIC FLOWMETER

Ceramic Liner. 0.5 % accuracy. Anti-corrosion, Wearproof, Dirty Resistant, High temperature resistant. Outputs : 4~20 mA, Pulse, Alarm Outputs.



### VORTEX FLOWMETER

Simple structure, no moving parts wear. High accuracy and good reliability, don't need on-site debugging. Can be long-distance transmission of flow signals, and computer networking, centralized management. Unique design of the amplification board, gas or liquid can be used. High temperature, high flowrate. Flange JIS, ANSI, DIN standard selectable.



### LWGY TURBINE FLOWMETER

Simple structure, no moving parts wear. High accuracy and good reliability, don't need on-site debugging. Can be long-distance transmission of flow signals, and computer networking, centralized management. Unique design of the amplification board, gas or liquid can be used. High temperature, high flowrate. Flange JIS, ANSI, DIN standard selectable.



### FIXED ULTRASONIC FLOWMETER

Dynamic response speed : 0.004s. DPS digital signal processing technology, high anti-interference ability. High accuracy flow measurement, accuracy can be 0.5% class. Flexible english display transmitter, diversied transducers can achieve different industrial sites. Heat and cold measurement. Circuit board welding adopt international advanced SMD automatic welding process. CNC precision machining aluminium alloy housing material.



### PORTABLE ULTRASONIC FLOWMETER

Dynamic response speed : 0.004s. DPS digital signal processing technology, high anti-interference ability. High accuracy flow measurement, accuracy can be 0.5% class. Flexible english display transmitter, diversied transducers can achieve different industrial sites. Heat and cold measurement. Circuit board welding adopt international advanced SMD automatic welding process. CNC precision machining aluminium alloy housing material.



# Instrumentations

## Digital Flowmeter - Analog Flowmeter



**HANDLED ULTRASONIC FLOWMETER**

Sensor cable : Two pieces, standard cable length 5 meters, customized IP68. Steel Belt : It can help sensor fixed in pipe. Couplant decrease the bubble between sensor and pipe. Improve the accuracy. Ultrasonic sensors : To promise the accuracy, recommended measure purewater. Support RS323 to transmit data to computer fast and easily. Battery poweres last for over 14 hours continuous operation.



**CORIOLIS MASS FLOWMETER**

High Measurement accuracy: (0.1%~0.5%). New double bend coriolis mass flowmeter, suitable for liquid and gas. High temperature : 200 deg C/ 380 deg F. Material of mesuring pipe : SS 316. Material og shell : SS 304. Measuring fluid flow rate directly (It is significant to the energy measurement and chemical reaction during the producing detection). Wide Application (Besides general fluid measurement, other industrial medium which is hard to be measured by general flow meters also can be measured, such as Non-Newtonian fluid and Slurries etc.). Low Installation Requirement: (there is no requirement for straight pipe upstream or downstream) Reliability, low maintenance rate.



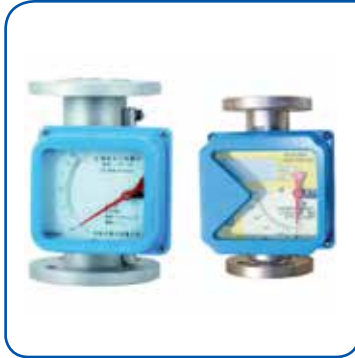
**THERMAL GAS MASS FLOWMETER**

Easily installation. Simple Maintenance. Bidirection testing, Anti Vibration. Wide flow ratio 100:1. Large diaeter small flow rate measurement. Can be used for leak detection. Can measure the mass flow directly, no need temperature and pree- sure compensation.



**OVAL GEAR METER**

DN10 - DN200.  
Material : Cast Iron, Cast Steel. Stainless Steel. Connection : Flange type - JIS 10K RF ( Standard), ANSI & DIN ( optional). Accuracy  $\pm 0.5\%$  of rate/  $\pm 0.2\%$  ( optional). Fluid Temperature - 20 ~ 200 deg C. Pressure 1.6 Mpa (Iron), 6.4 Mpa (Steel).



**VARIABLE AREA FLOWMETER**

Analog or Digital type. Output 4-20 mA ( Digital Type). Low pressure loss in gas and steam application. Damper for gas and steam application

## Instrumentations Watermeter



**ARITA WATER METER HOT / COLD**

Body : Cast Iron  
Size : 2" - 20"  
Conn : Flange PN 10



**ARITA WATER METER HOT / COLD**

Body : Cast Iron / Brass  
Size : 1/2" - 2"  
Conn : Threaded To BSP



**SMP858-DST DIRECT MOUNTING  
DIAPHRAGM PRESSURE TRANSMITTER**

Measuring range: 10kPa-1MPa.  
Output signal: 4-20mA, 4-20mA/HART , customer. Reference accuracy:  $\pm 0.1\%$  URL, optional  $\pm 0.075\%$  URL. Media temperature:  $-40-120^\circ$ , Measuring medium: Pressure, level, differential pressure, density, interface, flow. Proction class: IP67. Diaphragm material: SS316L, Hastelloy C. Stability:  $\pm 0.2\%$  URL/5years. Process connection: DN50PN10, DN80PN10, DN100PN10. Approvals: CE, EX-proof certificate.



**DMP305X-DST DIFFERENTIAL  
PRESSURE TRANSMITTER**

Measuring range: 200Pa-10MPa.  
Output signal: 4-20mA, 4-20mA+HART, customer.  
Reference accuracy: 0.075% URL, optional 0.05% URL.  
Process connection: M20\*1.5(M), 1/2-14NPT(F), 1/4-18NPT(F).  
Measuring medium: Liquid, gas, or steam flow as well as liquid level, density and pressure.



**DMP305X-TST GAUGE  
PRESSURE TRANSMITTER**

Measuring range: 1kPa-40MPa.  
Output signal: 4-20mA, 4-20mA+HART, customer.  
Reference accuracy:  $\pm 0.075\%$  URL, optional  $\pm 0.05\%$ URL.  
Process connection: M20\*1.5(M), G1/2(M), G1/4(M), 1/2-14NPT(M) etc.  
Diaphragm: SS316L, Hastelloy C



**ARITA FLOW SWITCH**

NPS - 25  
10K



**ARITA PRESSURE SWITCH**

NPS - C110  
10K



**SMP131-TLD GAUGE  
PRESSURE TRANSMITTER**

Measuring range: 5kPa-100MPa. Output signal: 4-20mA, 4-20mA+HART, 0.5-4.5VDC, Modbus-RTU/RS485, others.  
Reference accuracy:  $\pm 0.2\%$  URL,  $\pm 0.1\%$  URL. Process connection: M20\*1.5(M), G1/2(M), G1/4(M), 1/2-14NPT(M). Measuring medium: Liquid, gas, or steam. Media temperature:  $-30-150^\circ\text{C}$ . Tube length: 53mm, 37mm, 65mm, 85mm Material: SUS304, SUS316. Electrical connetion: DIN43650, IP65; M12\*1(4pin), IP67.



**SC SERIES TUNING FORK  
LEVEL SWITCH**

20-250VAC/DC universal power supply.  
Solidstate or relay output.  
Compact or standard units.  
No calibration required.  
Explosion proof unit available.  
Mini, standard and extended probe versions.



**SD SERIES OPTICAL  
LEVEL SWITCH**

Simple and compact with no moving parts. LED indication. 10-28VDC, 115VAC or 230VAC powered versions. Solidstate NPN/PNP or relay output. Operating temperatures up to 257°F (125°C). Wide range of use in machine systems for a variety of liquid level detection. Unique SD22 design, switch body and tip disconnects.



### FF SERIES SIDE MOUNTING LEVEL SWITCH

Wide range of flanged and threaded process connections for side mounting. Stainless steel or polypropylene construction. Floats for almost any liquid. High temperature capability up to 662°F (350°C). Explosionproof and corrosion resistant versions available. Microswitch or reed switch output. Marine grade approval units.



### FC/FD SERIES MAGNETIC FLOAT LEVEL SWITCH

Single or Multiple point liquid magnetic float level switch customized to your application. Simple installation and high reliability. Cost-effective design. High temperature and explosionproof units available. Marine grade approval.



### FC/FD SERIES MINI FLOAT LEVEL SWITCH

Compact, affordable and simple magnetic float level switch design for liquid level detection. Wide range of installation options. Variety of available process connections. Multiple materials available.



### FA/FB SERIES CABLE FLOAT LEVEL SWITCH

Polypropylene, PVC and 304SS materials. Single or multiple float configurations. Microswitch, reed switch or mercury switch. Easy installation, affordable and durable. Suitable for pump control and high temperatures.



### SC SERIES VIBRATING PROBE LEVEL SWITCH

Voltage supply range 20~250, 50~60Hz Vac/ Vdc. SPDT Relay output, SSR MOSFET output. Sensitivity adjustment is available for different density mediums. Low wear and tear, maintenance free and self cleaning. Fine powders can be detected. Euro and UL certified Models available.



### SA SERIES CAPACITANCE LEVEL SWITCH

Ground level test function available. Max. operating temperature: 800°C. Sensitivity and time delay adjustable



### SB SERIES RF- CAPACITANCE/ ADMITTANCE LEVEL SWITCH

Time delay function from 0-30 seconds. IP65 housing protection. 5 A/250Vac output DPDT. High/low failsafe. Alarm testing. Explosion Proof model available. Anti-Viscosity. Easy Installation. Stable; Not affected by temperature. Highest temperature tolerance of 550°C. Explosion-proof 450°C. Applicable in liquid, syrup, solid, powder, and surface level detection.



### SE SERIES ROTARY PADDLE LEVEL SWITCH

Rugged sealing ring prevents dust from infiltrating the housing body along the shaft. Adjustable torque. If the rotary paddle encounters overloading, the motor will automatically shut down the motor to prevent damage to the inner mechanisms and extend motor life. Very suitable for small tanks and low density materials. Adjustable and extendible shaft models available. A wide variety of paddles are available



### JFR SERIES FMCW RADAR LEVEL TRANSMITTER

Non-contact liquid level measurement. State-of-the-art FMCW (frequency-modulated-continuous-wave) technology, accuracy as good as  $\pm 0.197''$  (5mm). 4-20mA output, HART available. 24VDC powered, 4-wire; 2-wire available. Measuring range up to 130ft (40m). 304SS, 316SS and PTFE coated wetted parts.



### EF SERIES BY-PASS LEVEL TRANSMITTER

Standard (EF) and mini (MEF) sizes for a wide variety of ranges up to 19ft (5.8m). Safer than glass gauge. Maximum operating temperature up to 75°F (400°C). Visual indication, switches and level transducer choices for standard and high accuracy. Marine certified



### EG SERIES MAGNETOSTRICTIVE LEVEL TRANSMITTER

High accuracy. Repeatability of 0.004% F.S. Fast response time. 304SS, 316SS and polypropylene wetted parts. 4-20mA output, 2-wire loop powered. RS485 serial link available. Two-float version for insoluble liquids available.



### FG SERIES MAGNETIC FLOAT LEVEL TRANSMITTER

4-20mA output, 2-wire loop powered, or 3-wire resistance output. Resolution of 0.25" (6.35mm) or 0.5" (12.7mm). 19.7ft (6m) maximum length. Liquid level measurement with S.G. of  $>0.45$ . Explosionproof, corrosion-resistant and marine use units available



### EA SERIES ULTRASONIC LEVEL TRANSMITTER

Non-contact liquid level measurement. Unaffected by many material and vessel characteristics (density, viscosity, temperature, tank material, etc.). 4-20mA output, 2-wire loop powered. Compact design. PVDF wetted materials of construction. 2" NPT or BSP threaded process connection. 36.1ft (11m) measuring range



### THERMOCOUPLE SANITARY

Probe Diameter : 1/4" ( Standard), 3/8 to 3/16 (Heavy Duty). Probe Length : 3" - 6". Temperature Range -50 to 200 deg C. SS 316L 1 1/2", 16 AMP Tri Grip cap standard.



### THERMOCOUPLE SANITARY WITH CABLE

Probe Diameter : 1/4" ( Standard), 3/8 to 3/16 (Heavy Duty). Probe Length : 3" - 6". Temperature Range -50 to 200 deg C. SS 316L 1 1/2", 16 AMP Tri Grip cap standard. Integral Cable with nylon cable clamp. 10" of PFA insulated and jacketed #24 AWG thermocouple cable standard.





**THERMOCOUPLE HEAD ASSEMBLIES**

Terminal head water proof.  
 Connection size 1 inchi NPT.  
 Range 400 deg celc.  
 Stem length 140mm.  
 Material SS304.



**FLANGE THERMOWELLS**

Shank Style : Straight, Tapered, Stepped.  
 Bore Size : .260, 385.  
 Connection : 1", 1 1/2", 2"  
 Flange Size. Flange Facing : Raised, flat, ring joint. Rating/ Class : 150#, 300#, 600# flanges.  
 Materials SS304, SS316



**SANITARY THERMOWELLS**

Shank Style : Straight, Tapered, Stepped.  
 Bore Size : 260, 385.  
 Connection : 1", 1 1/2", 2" Tri-clamp connections.  
 Materials SS304, SS316.  
 Ra Finish : 8-12-Ra standard



**THREADED THERMOWELLS**

Shank Style : Straight, Tapered, Stepped.  
 Bore Size : 260, 385.  
 Connection : 1/2, 3/4, 1 NPT.  
 Materials SS304, SS316



**SANITARY DIAPHRAGM SEALS PRESSURE GAUGE**

Size : 2.5", 3", 4", 6"  
 Range -76cmHg - 0 to-40 kg cm2  
 Accuracy 1.6% (2.5), 1% (4")  
 Working Temperature -20 ~ 150 deg C  
 Material SS316,  
 Diaphragm SS316L  
 Process connection mounting 1.5" Sanitary Seal, 2" Sanitary Seal 1/2" BSP



**DIAPHRAGM SEAL PRESSURE GAUGE TYPE**

Case material : SS304/SS316  
 Size : 2 1/2", 4", 6", 8", 10"  
 Weled Material : SS316 L, Hastelloy, Tantalum, Monel, Teflon, etc  
 Connecton : Thread, Flange, Sanitary (ferrule/triclamp), Capillary  
 Unit : Bar, Psi, MPa, Kpa, Kg/cm2, mmH2O  
 Pressure type : Vacuum, Compound, Gauge  
 Pressure range : -0.1-200MPa  
 Temperature : Ambient -20 - 650 C, Fluid -20 -2000C  
 Akurasi : +/- 1%/1.6%  
 Type connection : Bottom/Back



**PRESSURE GAUGE**

Case material : SS304  
 Dial Size : 2 1/2", 4", 6", 8", 10"  
 Connection : Thread 1/4"NPT, 1/2"NPT  
 Unit : Bar, Psi, MPa, Kpa, Kg/cm2, mmH2O  
 Pressure type : Vacuum, Compound, Gauge  
 Pressure range : - 0.1 - 200 MPa  
 Temp Process : -20 - 85°C  
 Accuracy : 1.6% - 1%  
 Type : Bottom/Back  
 Material : SS304, SS316L



**PRESSURE GAUGE BLACK STEEL CASING**

Case material : Blacksteel  
 Dial Size : 2 1/2", 4", 6", 8", 10"  
 Connection : Brass (Drat 1/4"NPT, 1/2"NPT)  
 Unit : Bar, Psi, MPa, Kpa, Kg/cm2, mmH2O  
 Temp. Process : -5 - 40°C  
 Accuracy : 1.6%  
 Type : Bottom/Back



### BIMETAL TEMPERATURE GAUGE CAPILLARY

Material : SS304, SS316, SS316L  
 Dial Size : 4" & 6"  
 Type : Back / Bottom  
 Connection : Thread, Flange, Ferrule  
 Temp Range : -50-700°C  
 Stem Diameter : 6mm, 8mm , 10mm , 12mm, 16mm  
 Stem Length : 50mm - 1000 mm  
 Capillary Length : up to 15 Meter



### BIMETAL TEMPERATURE

Material : SS304, SS316, SS316L  
 Dial Size : 4" , 6"  
 Type : Back / Bottom  
 Connection : Thread, Flange, Ferrule (Tri Clamp)  
 Temp Range : 50- 700°C  
 Stem Diameter : 6mm, 8mm , 10mm , 12mm, 16mm  
 Stem Length : 50mm -1000mm



### TEMPERATURE SWITCH

Material : SS304, SS316, SS316L  
 Connection : Thread, Flange,- Ferrule  
 Capillary Length : up to 15 Meter  
 Switch : One SPDT / Two SPDT  
 Contact : 250 V AC  
 Stem : 6 mm, 6.4 mm, 8 mm, 10 mm, 12 mm



### DIGITAL PRESSURE GAUGE

Dial size 3"  
 Range Pressure 0 - 1 bar to- 0 - 1000 bar  
 Connection 1/4" NPT  
 Battery Type 9V  
 Accuracy 0.5%  
 Working Temperature- 10 to 60 deg C  
 Material SS316



### ONLINE CONDUCTIVITY METER DDG-2080X (OUTDOOR)

Model : DDG-2080X (Outdoor)  
 Accuracy :  $\pm 1.0\%$ FSV  
 Output : two ways of 4-20 mA, RS485  
 Power Supply : 220 VAC, 24 VDC  
 Dimension : (138 x 138 x 150) mm  
 Data record : 500 000 times



### ONLINE PH METER PHG-2081X (OUTDOOR)

Model : PHG-2081X (Outdoor)  
 Accuracy :  $\pm 1.0\%$ FS  
 Output : two ways of 4-20 mA, RS485  
 Power Supply : 220 VAC, 24 VDC  
 Dimension : (138 x 138 x 150) mm  
 Data record : 500 000 times



### ONLINE DISSOLVED OXYGEN METER DOG-2082X (OUTDOOR)

Model : DOG-2082X (Outdoor)  
 Accuracy :  $\pm 1.0\%$ FS ( $\mu\text{g/L}$ )  
 Output : two ways of 4-20mA, RS485  
 Power Supply : 220 VAC, 24 VDC  
 Dimension : (138 x 138 x 150) mm  
 Data record : 500 000 times



### ONLINE PH METER PHG-2091

Measure range : 0-14PH  
 Temperature compensation : 0-99°C  
 Output : 4-20mA  
 Communication interface : RS485  
 Power supply : AC 220V $\pm$ 22V(110V)



### ONLINE CONDUCTIVITY METER DDG-200

Measure range : Conductivity : 0-20000uS/cm,  
TDS : 0-10000ppm  
Temperature range : 0-50°C (NTC (10K)  
Output : 4-20mA  
Communication interface : RS485  
Power supply : AC 220V±15%V (110V) , DC 24V



### ONLINE DUAL PARAMETER

Model : Dual Parameter  
Output : 4-20 mA  
Power : 220 Vac  
Parameter : PH—ORP—Conductivity-DO



### ONLINE PH SENSOR PH8012

Measure range : 0-14PH  
Temperature range : 0-65°C  
Max Pressure : 0.2Mpa  
Sensing face material : glass ball  
Housing material : PPS/PC/PTFE  
Thread : Upper and Lower 3/4 NPT pipe thread



### ONLINE PH SENSOR BH-485-PH

Measure range : 0-14PH  
Temperature range : 0-65°C  
Power supply : DC 24V  
Communication mode: RS485 (Modbus RTU)  
Overall size : 230mm\*30mm  
Housing material : ABS



### ONLINE ORP SENSOR PH8083

Measure range: ±2000mV  
Temperature range: 0-65°C  
Max Pressure : 0.2Mpa  
Sensing face material: Platinum  
Housing material: PPS/PC/PTFE  
Thread: Upper and Lower 3/4 NPT pipe thread



### ONLINE PH SENSOR PH8010

Measure range : 0-14PH  
Temperature range : 0-65°C  
Max Pressure : 0.2Mpa  
Sensing face material : glass ball  
Housing material : PPS/PC/PTFE  
Thread : Upper and Lower 3/4 NPT Pipe thread



### ONLINE DO SENSOR BH-485-DO

Measure range : 0-20mg/L  
Temperature range : -65°C  
Output : RS485 (Modbus RTU)  
Power supply : DC24V



### ONLINE TURBIDITY SENSOR ZDYG-2088

Measure range : 0-100NTU, 0-500NTU, 0-3000NTU  
Output : 4-20mA  
Material : 316L stainless steel  
Power supply : 12V  
Self-cleaning : yes



### ONLINE PH SENSOR PH8000

Measure range : 0-14PH  
 Temperature range : 0-80°C  
 Max Pressure : 0.2Mpa  
 Sensing face material : glass ball  
 Housing material : PPS/PC/  
 PTFE  
 Thread : Rotary locking type  
 and tail 3/4 NPT thread



### ONLINE CONDUCTIVITY SENSOR DDG-10.0

Measure range : 0-20000µS/  
 cm  
 Pressure : 0.2Mpa  
 Connection : 1/2 or 3/4  
 thread installation  
 Material : Polysulfone



### INDUCTIVE CONDUCTIVITY SENSOR DDG-30.0 (3)

Measure range : 0-2000mS/cm  
 Pressure : 1.6Mpa  
 Temperature range: 0-130 °C  
 Connection : 1 1/2 or 3/4 NPT  
 Material : PFA



### INDUCTIVE CONDUCTIVITY SENSOR DDG-30.0 (2)

Measure range : 0-2000mS/cm  
 Pressure : 1.6Mpa  
 Temperature range : 0-60°C  
 Connection : 1 1/2 or 3/4 NPT  
 Material : PP



### ONLINE DO SENSOR DOG-209FA

Shank Style : Straight, Tapered,  
 Stepped.  
 Bore Size : 260, 385.  
 Connection : 1/2, 3/4, 1 NPT.  
 Materials SS304, SS316



### ONLINE DO SENSOR DOG-209FYA

Model : DOG-209FYA  
 Range : 0 – 20 mg/L  
 Accuracy : ±0.1 mg/L  
 Output : 4-20-mA  
 Power Supply : 24 VDC



### ONLINE DO SENSOR DOG-209FYD

Model : DOG-209FYD  
 Range : 0 – 20 mg/L  
 Accuracy : ±0.1 mg/L  
 Output : RS-485  
 Power Supply : 24 VDC



### ONLINE TURBIDITY METER ZDYG-2088Y/T

Measure range : 0-20NTU,  
 0-100NTU, 0-200NTU,  
 0-500NTU, 0-3000NTU  
 Resolution : 0.001NTU,  
 0.01NTU, 0.1NTU, 1NTU  
 Output : 4-20mA  
 Communication interface:  
 RS485  
 Power supply : 220V±22V .24V  
 DC (optional)





### PORTABLE PH METER PHS-1701

Measure range : -2.00-16.00PH, -1999-1999mV  
Resolution : 0.01pH, 1mV, 0.1°C  
Accuracy : ±0.01pH  
Data stotage: 198 groups  
Calibration : 3 points Max



### PORTABLE CONDUCTIVITY METER DDS-1702

Measure range : 0.00-199.9µS/cm , 0.1mg/L-199.9g/L, 0.1ppt-800ppt.  
Resolution : 0.1 µS/cm; 1mS/cm, 0.1°C  
Accuracy : 1%FS, ±0.2°C  
Data stotage : 99 groups  
Calibration : 1 point



### PORTABLE DO METER DOS-1703

Measure range : 0.0-199.9%, 0.00-19.99mg/L.  
Resolution : 0.1%, 0.01mg/L, 0.1°C  
Accuracy : 1%FS, ±0.2°C  
Data stotage : 99 groups  
Calibration : 2 points Max



### MULTI-PARAMETER METER DCSG-2099

Measure range : PH 0-14; ORP -1999-1999mV; DO 0-20.00mg/L; Chlorine : 0-20mg/L ; turbidity 0-20°C 0-200°C 0-3000NTU; Temp 0-150°C  
Communication protocol : RS485  
Power supply : 220V±22V .24V DC (optional) (85-265V), 50Hz±0.5Hz  
Cabinet size : 440\*230\*680mm(H\*W\*D)



### BUOY TYPE

Model: MPF-3099  
Measurement : up to 4 type measurement (multiple choice)  
Buoy dimension : 0.6 m in diameter, overall height 0.6 m  
Material : Polymer material with good impact and corrosion resistance  
Power : 40W solar panel, battery 60AH effectively guarantee continuous operation in continuous rainy weather.  
Data transfer : Mobile App



### ONLINE CHLORINE METER

Model : YLG-2058 (pH Compensation)  
Range : 0 – 20 mg/L, 0 – 10 mg/L (HOCl), 0 - 14 (pH)  
Accuracy : ±1%FS  
Output : 4-20 mA, RS485  
Power Supply : 220 VAC, 24 VDC



### ONLINE CHLORINE METER

Model : CL-2059A  
Range : 0 – 100 mg/L, 0 - 65°C  
Accuracy : ±1%FS  
Output : 4-20 mA, RS485  
Power Supply : 220 VAC



### ONLINE COD ANALYZER

Model : COD-550  
Range : 0.01 – 2000 mg/L  
Accuracy : ± 5% of rate  
Output : 4-20 mA, RS485  
Note Power Supply : 220 VAC, 24 VDC

## ONLINE TSS/MLSS METER



Model : ZDYG-2088T  
 Range : 0.01 – 20,000 mg/L  
 Accuracy :  $\pm 5\%$  of rate  
 Output : 4-20 mA, RS485  
 Note Power Supply : 220 VAC, 24 VDC

## ONLINE COD ANALYZER CODG-3000/BODG-3063



Measure range : 0-8000mg/L  
 Communication protocol : RS485  
 Power supply : 220V $\pm$ 20%, 50Hz $\pm$ 1%  
 Size and weight : 915\*600\*450 mm, 50kgs

## ONLINE AMMONIA ANALYZER NHNG-3010



Measure range : 0-4mg/L ,  
 0-15mg/L, 0-50mg/L,  
 0-300mg/L  
 Communication protocol : RS485  
 Power supply : 220V $\pm$ 20%, 50Hz $\pm$ 1%  
 Size and weight : 915\*600\*450 mm, 50kgs

## MULTI-PARAMETER SENSOR



Measure range : PH 0-14;Temp 0-50°C ; Depth 0-61m; conductivity 1us/cm-100ms/cm ; DO 0-20.00mg/L; turbidity 0-1000NTU; Chlorophyll 0-500ug/L; Blue-green alage 100-2000,000cels/mL ; salinity 0-1ppt, 0-70ppt.  
 Communication protocol : RS485

## ONLINE TURBIDITY SENSOR ZDYG-2088-02



Measure range : 0-20NTU,  
 0-200NTU  
 Temperature range : 0-60°C

## REFLEX COCK SETS



Steel reflex cocks. Set comprises top, bottom and drain cock.

## REFLEX LEVEL GAUGE



Single glass level gauge.  
Max Operating Pressure 40Bar.

## BI-COLOR LEVEL GAUGE



Double glass level gauge.  
Different angle also can see the level.

## TUBULAR LEVEL GAUGE



Mostly use for diesel/package boiler with low pressure.

## GAUGE GLASS & PACKING



Gauge glass, packing sleeve & gland ring.  
change new to avoid damage on main instruments.

## CHART PAPER & PEN



Recorder chart paper & pen for all brand & recorder.

## CIRCULAR CHART RECORDER



Mechanical circular chart recorder.  
Easy installation & operation.

## INKLESS RECORDER



Inkless recorder, use thermal paper.  
Low cost solution.



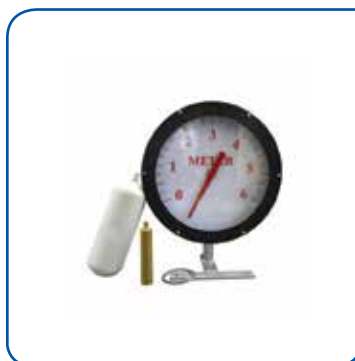
### HYBRID RECORDER

Multi input type.  
Combination of chart & digital function.



### PAPERLESS RECORDER

Environmental friendly.  
Can save data in memory for future record.



### MECHANICAL DIAL INDICATOR

To indicating the water/diesel level for reservoir, suction tank, diesel tank & etc.



### LIGHTNING SURGE ARRESTOR

Power & signal line LPU to safe guard your electrical appliances.  
With CE, TUV & SIRIM Test report.

# Control Valve Solenoid



### SOLENOID 2W

Model : 2W  
Working Pressure : 0-10 bar  
Voltage : 110 VAC, 220 VAC, 24 VDC  
Body Material : Brass, Stainless Steel,  
Sealing Material : NBR, VITON  
Connection : Screw End BSPT, NPT, Flange  
Size : 1/8" – 4"



### SOLENOID ZW

Model : ZW  
Working Pressure : 0-8 bar  
Voltage : 110 VAC, 220 VAC, 24 VDC  
Body Material : Brass, Stainless Steel,  
Sealing Material : NBR, VITON  
Connection : Screw End BSPT, NPT, Flange  
Size : 1/8" – 4"



### SOLENOID PS

Model : PS  
Working Pressure : 0-16 bar  
Voltage : 110 VAC, 220 VAC, 24 VDC  
Body Material : Brass,  
Sealing Material : PTFE  
Connection : Screw End BSPT, NPT, Flange  
Size : 1/8" – 4"



### THERMOPLASTIC SOLENOID

Working Pressure : 0-6 bar  
Voltage : 110 VAC, 220 VAC, 24 VDC  
Body Material : Plastic  
Sealing Material : NBR, VITON  
Connection : Screw End BSPT, NPT, Flange  
Size : 1/8" – 4"





### SOLENOID YSE (HIGH PRESSURE)

Model : YSE  
Working Pressure : 0-250 bar  
Voltage : 110 VAC, 220 VAC, 24 VDC  
Body Material : Stainless Steel  
Sealing Material : NBR, VITON, PTFE  
Connection : Screw End BSPT, NPT, Flange  
Size : 1/8" - 4"



### SOLENOID FOR PNEUMATIC

Model : 3/2 Way, 5/2 Way  
Voltage : 110 VAC, 220 VAC, 24 VDC  
Coil : Single & double  
Connection : NAMUR & Inline  
Size : 1/4" - 1/2"



### AUTODRAIN WITH TIMER

Body : Brass, Stainless Steel  
Working Pressure : 0-16 bar  
Voltage : 110 VAC, 220 VAC, 24 VDC  
Connection : BSPT



### AUTOMECHANICAL FLOAT DRAIN VALVE

Body : Aluminium  
Seal Material : NBR  
Working pressure : 0-16 bar  
Connection Ports : G1/2"



### PNEUMATIC ACTUATOR DFS (RACK & PINION)

Body : Hard aluminium, Stainless steel  
Stroke : 90° - ±5°  
Output : 15 Nm - 5000 Nm  
Action : Double acting  
Single acting



### PNEUMATIC ACTUATOR SCOTCH & YOKE

Material: SUS304, SUS316, PVDF, PP, PVC  
Op. Temperature: Max 200°(SS)  
Connecting: Flanged, Screw  
Application: Liquid processing, heat exchanger, hydraulic, power plant, oil, ship building and petrochemical  
housing: Explosion proof & anti corrosive



### CYLINDER PNEUMATIC

Size : 12 mm ~ 100 mm  
Acting Type : Double Acting, Single Acting with spring extent  
Working Medium : Clean Air  
Working Pressure : 1 ~ 9 bar (Double Acting), 2~9 bar (Single Acting)  
Working Temperature : max 70°C  
Speed Range : 30 mm/s ~ 500 mm/s



### DIAPHRAGM PNEUMATIC ACTUATOR

ISO Stem standard.  
Diaphragm Pneumatic Actuator single acting for globe control valve.  
Available in PA-190, PA-260, PA-350, PA-260x2, PA-350x2.  
Action Available air to open & air to close.

## GAS OVER OIL ACTUATOR



Pressure of gas supply : 0.3 ~ 16 MPaG  
Medium of gas supply : Air, N2, or non-sour gas. Output Torque : Single Action 1000 ~ 250000 Nm / Double Action 100 ~ 550000 Nm. Options : Hand pump, Hydraulic hand pump and hydraulic manual unit with independent test function. Applicable environment : Standart Temperature : -30°C ~ 100°C (-20°F ~ 210°F), Optional Temperature : -55°C ~ 150°C (-65°F ~ 300°F). Weather Proof of Stainless steel control carbient : IP68. Explosion proof : Exd IIC T4/T6. Weather Proof of stainless steel control carbient : IP65. Connection of Communication : USB/RS232/485. Power Supply : High energy battery, solar power, external power. Application : 90° Angle Stroke, Emergency shut-off ball valve of transmission pipeline of naturalgas, ESD shut-off valve.

## QUARTER TURN AOX, CHQ



Action : Quarter turn  
Body : Hard Aluminium  
Stroke : 0° - 270°  
Output : 30 Nm - 6000 Nm  
Speed : 10 - 200 s

## MULTI TURN ELECTRIC ACTUATOR



ARITA Multi turn Electric actuator.  
Power supply AC 220 V & AC 380 V.  
Output torque 100 Nm – 10000 Nm.  
Input & Output signal 4-20 ma.  
Ingress Protection IP67 & ExdIIBT4 (Optional).  
Function On-Off & Proportional.

## LINEAR ELECTRIC ACTUATOR



Enclosure : IP65, NEMA4, NEM A6  
Power : Standard ; 110/220 VAC 1 phase, Optional ; 380/440 VAC 3 Phase  
Motor : Asynchronous motor  
Limit switch : 2x Open/Close, SPDT, 250 VAC 10A  
Manual Operate : Declutching mechanism, operated by handwheel  
Function Model : ON/OFF & Modulating

## SAFETY VALVE SCREW WITH LEVER



Body Material : Bronze, Stainless Steel 316  
Nominal Diameter : 15 mm ~ 50 mm / 1/2" ~ 2"  
Working Temperature : -45°C ~ 300 °C  
Application Media : Non Corrosive Gas, Steam, Water, Non Corrosive Liquid  
Available with Lever

## SAFETY VALVE SCREW



Body Material : Bronze, Stainless Steel 316  
Nominal Diameter : 15 mm ~ 50 mm / 1/2" ~ 2"  
Working Temperature : -45°C ~ 300 °C  
Application Media : Non Corrosive Gas, Steam, Water, Non Corrosive Liquid Non Lever

## SAFETY VALVE FLANGED



Pressure Rating : 1.6- 4.0Mpa  
Specification : DN15- 100  
Material : WCB.CF8. CF8M.  
Model : Full Nozzle  
Close & Open Bonnet

## SAFETY RELIEF VALVE



Specification : DN25- 150  
Material : Cast Iron  
Connection : Flange JIS10K  
Application : Steam, Air, Gas  
Liquid



**TL CYLINDER CONTROL VALVE**

Body Material : FC-250  
 Size : 1/2"-6"  
 Connection : RF Flanged  
 JIS 10K  
 Sealing Ring : Teflon



**TL DIAPHRAGM CONTROL VALVE**

Body Material : FC-250  
 Size : 3/4"-4"  
 Connection : RF Flanged  
 JIS 10K  
 Sealing Ring : Teflon  
 Diaphragm : Neoprene



**KP28 & KP-38 TWO WAY PNEUMATIC CONTROL VALVE**

Body Material : Carbon Steel, Stainless Steel  
 Size : DN 15 - DN 150 ( 1/2" - 6")  
 Nominal Pressure : PN 10 - PN 160 (ANSI 150 - ANSI 600)  
 Plug Design : Mixing Plug, Metal Seat  
 Flow Characteristic : Linear, Equal Percentage  
 Steam Sealing : Spring loaded PTFE  
 V-ring (-25°C to 250°C),  
 Pure Graphite Packing (-60°C to 650°C)



**KT28 & KT-38 THREE WAY PNEUMATIC CONTROL VALVE**

Body Material : Carbon Steel, Stainless Steel  
 Size : DN 15 - DN 150 ( 1/2" - 6")  
 Nominal Pressure : PN 10 - PN 16 (ANSI 150 - ANSI 600)  
 Plug Design : Mixing Plug, Metal Seat  
 Flow Characteristic : Linear, Equal Percentage  
 Steam Sealing : Spring loaded PTFE  
 V-ring (-25°C to 250°C),  
 Pure Graphite Packing (-60°C to 650°C)



**ANGLE SEAT PNEUMATIC VALVE**

Valve Material : Stainless Steel  
 Size : DN 15 - DN 65  
 Thread : G 1/2" - 4"  
 Valve Core Seal : PTFE  
 Valve Stem Seal : PTFE/FKM  
 Applicable Medium : Water, Liquid, Neutral Gas, Oil, Water, Steam, Weak  
 Medium Temperature : 10°C ~ 180°C  
 Installation : Any Position  
 Controlling Medium : Air or Neutral Gas  
 Controlling Pressure Range : 0.3 ~ 1 Mpa  
 Liquid Working Pressure : 0 ~ 1.6 bar



**PRESSURE REDUCING VALVE FOR STEAM & GAS**

Body : WCB  
 Size : 1/2" - 6"  
 Connection : PN 16, PN 25, PN 40, ANSI 150, ANSI 300  
 Output Pressure Range : 0,2-12 bar  
 Suitable Media : Steam & Gas



**PRESSURE RELIEF VALVE FOR WATER**

Body Material : Ductile Iron GGG40.3, SS316  
 Pressure Rating : PN 16, PN 25, ANSI 150  
 Connection : RF Flanged & Screw end BSPT  
 Diaphragm : NBR, VITON  
 Size : 1/2" - 14" (DN 15-DN 350)  
 Application : Water, Liquid



**PRESSURE REDUCING VALVE FOR WATER**

Body Material : Ductile Iron GGG40.3, SS316  
 Pressure Rating : PN 16, PN 25, ANSI 150  
 Connection : RF Flanged & Screw end BSPT  
 Diaphragm : NBR, VITON  
 Size : 1/2" - 14" (DN 15-DN 350)  
 Application : Water, Liquid

## BACK PRESSURE VALVE



Body Material : SS316  
 Pressure Rating : PN 16, ANSI 150  
 Connection : RF Flanged & Screw end BSPT  
 Diaphragm : NBR, VITON  
 Size : ½" – 6" (DN 15 – DN 150)  
 Application : Water, Liquid

## REMOTE FLOAT CONTROL VALVE



Body Material : Ductile Iron GGG40.3  
 Pressure Rating : PN 16, PN 25  
 Connection : RF Flanged  
 Diaphragm : NBR,  
 Size : 2" – 14" (DN 50–DN 350)  
 Application : Water

## SEGMENTED BALL VALVE



Body : Carbon Steel SA216WCB, Stainless Steel SS304, Stainless Steel SS316  
 Size : 1" – 20" (DN 25–DN 500)  
 Pressure rating : PN 10 – PN 63, ANSI 150 - ANSI 600  
 Seat : metal seat, soft seat  
 End connection : RF flange, wafer  
 Application : pulp & paper/waste water treatment/food & beverage/chemical plants/power plants etc.

## PNEUMATIC KNIFE GATE VALVE



Body : Carbon Steel SA216W-CB, Stainless Steel SS304, Stainless SS316  
 Connection : Wafer, Lugged  
 Pressure rating : PN 10, PN 16, ANSI 150, JIS 10k  
 Actuator : double acting & single acting  
 Seat : metal seat, soft seat  
 Size : 2"–24" (DN 50–DN 600)

## PRESSURE REGULATOR FOR GAS



Body material : SS316L & Brass  
 Max inlet pressure : 3000 psig  
 Output Pressure : 0 ~ 250 psig  
 Size : 1/4" ~ 1"

## RIGHT ANGLE PULSE JET VALVE



Body material : Aluminium  
 Voltage : 110 VAC/220 VAC/24 VDC  
 Connection Port : G1/2" ~ G2"

## PRESSURE REDUCING VALVE SCREW CONNECTION



Material Body : SS304  
 Nominal Diameter : 15mm – 25mm  
 Max Temperature : 204°C  
 Max Pressure : To PN 16  
 Application Media : Steam  
 Connection : NPT SCREW  
 Model : R7

## SAFETY VALVE HIGH PRESSURE AND HIGH TEMPERATURE STEAM



Pressure Rating : up to 220 Bar  
 Size : ½" x ¾" to 6" x 10"  
 Material : A216-WCB, A217-WCB, A217-WCG, A217-C12A  
 Class : Class #150 to Class #3000  
 Temperature : up to 650°C  
 Orifice : D-R





### STEAM FILTER

Body : SS304 & SS316L  
 Seal Gasket : Silicone/Viton/PTFE/EPDM  
 Connection : Flanged, BSP, NPT & Welding ends  
 Size : 1/2" – 6"  
 Filter Cartridge : Sintered Titanium  
 Micron size : 0.22 micron to 100 micron  
 Cartridge length : 5" to 40"  
 Cartridge number : From single cartridge up to 12 cartridges



### SANITARY STEAM TRAP

Body material : SS304  
 Connection : Sanitary Clamp, Tube  
 Operation pressure range : 0.01~0.7 MPa  
 Pressure Nominal : 1 MPa  
 Size : 1/2" ~ 1" (DN 8 ~ DN 25)



### VACUUM BREAKER

Body Material : Bronze, Stainless Steel SS304  
 Working Pressure : 20 bar (Stainless Steel SS304 body material) & 16 bar (Bronze body material)  
 Sealing Materials : 0.1 bar  
 Working temperature : -40 ~ 180°C



### VACUUM BREAKER

Body material : Stainless steel  
 Size : 1/2" X 1/8"  
 Connection : Screw Inlet 1/2" vertical, Screw Outlet 1/8" Horizontal  
 For Media : Saturated and superheated steam  
 Limiting Condition :  
 13 bar at 400°C  
 21 bar at 220°C



### FLAME ARRESTER

Body Material : Carbon Steel, Stainless Steel SS 304, SS 316  
 Replaceable element  
 Connection : RF Flanged JIS 10K, PN 16, ANSI 150  
 Size : 3/4" - 16"(DN 20-DN 400)  
 Explosion Level : IIB



### AUTOMATIC AIR VENT

Body Material : SS304/SS316  
 Size : Available in 3/8", 1/2", 3/4", 1"  
 Float Material : SS304/SS316  
 Temperature : -50°C ~ 200 °C  
 Pressure : 16 Bar



### CONDENSATE PUMP (PRESSURE OPERATED PUMP)

Main Feature : Non-electric requirements.  
 Options : Stainless steel construction, Level gauge, Stroke counter.  
 Use : To lift condensate or hot and cold liquids  
 Available Models : Carbon Steel construction, Stainless Steel construction.  
 Size : DN 25; DN 40; DN 50; DN 80 x DN 50  
 Connection : Flanged PN 16. Special flanges upon request. Female Screwed ISO 7/1Rp (BS21).  
 Installation : Horizontal installation.  
 Motive Gas : Steam or compressed air.



### BREATHER VALVE

Body : Aluminium, Carbon Steel, Stainless Steel (SS304)  
 Size : DN 50 – DN 300 (2" ~ 12")  
 Pressure Nominal Connection : RF  
 Flange ANSI 150, JIS 10K, PN 16



### WATER HAMMER ARRESTER

Material : Ductile Iron, Bronze, Stainless Steel 316, Stainless Steel 304, Cast Iron.  
 Size : ½ Inch - 12 Inch  
 Connection : Thread (BSPT or NPT) ; Flange (JIS 10K, PN 16)  
 Media : Fluid  
 Applied Temperature : -15°C ~ 80°C  
 Diaphragm Material : NBR and Viton



### MANUAL OVERRIDE

Mounting standard ISO 5211  
 Body : Carbon steel  
 Size : 2" - 20"  
 Range output : 150-4500 Nm  
 Speed ratio : 26 : 1 - 98 : 1  
 Stroke : 90° - ±5°



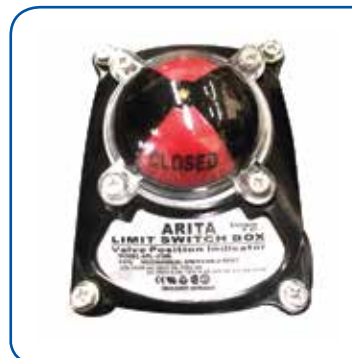
### ARITA ELECTRO PNEUMATIC POSITIONER

Action : Linear & Rotary  
 Body : Hard Aluminium  
 Input : 4 - 20 ma  
 Enclosure : IP 67, Ex proof



### AIR FILTER REGULATOR

Air Regulator, Air Filter Regulator, Air Filter Regulator Lubricant  
 5um filtration & high flow capacity  
 Panel Mounting is optional  
 ¼" vented spring case is optional  
 Housing material in aluminium & 316SS



### ARITA LIMIT SWITCH BOX

Mounting standard ISO 5211  
 Body : Aluminium  
 Bracket : SS 304  
 Switch : Mechanical and proximity 3 wire  
 Enclosure : IP 67, Ex proof



### BLOWDOWN MANUAL

Body Material : Carbon Steel  
 Connection : RF Flange PN 40  
 Max temperature : 300°C  
 Size : DN 15-DN 50 (½" - 2")



### BLOWDOWN PNEUMATIC ACTUATOR

Body Material : Carbon Steel  
 Connection : RF Flange PN 40  
 Max temperature : 300°C  
 Size : DN 15-DN 50 (½" - 2")



**DIGITAL THERMOSTAT**

Sensor : NTC  
 Accuracy :  $\pm 0,5^{\circ}\text{C}$   
 Temp. range : 5-35 $^{\circ}\text{C}$   
 Power Supply : 110~240 VAC,  
 50 ~ 60 Hz  
 Shell Material : PC (Fireproof)



**MOTORIZED BALL VALVE FOR HVAC**

Body Material : Brass, SS304  
 Max. Working Pressure : 1.0 MPa  
 Medium : Fluid, Air  
 Voltage : 24 VDC, 220 VAC  
 50/60 Hz  
 Function : Available in On/Off & Modulating  
 Connection : Screw End  
 Size : DN 15-DN25



**STATIC BALANCING VALVE**

Body Material : Brass, Cast Iron  
 Medium : Water, water-glycol mixture  
 End Connections : Screw End, Flange End PN 16  
 Pressure : Max 1.6 MPa



**DYNAMIC BALANCING VALVE**

Body Material : Forged Brass  
 Power Supply : 220 VAC, 24 VAC  
 Connection : Screw End  
 Size : DN 15-DN 25  
 Pressure Nominal : 1.6 Mpa

# Fire Fighting System in Building



**BRANCH CONTROL VALVE**

Body Material : Ductile Iron  
 Size : DN 50-DN300 (2" - 12")  
 Include: Wafer Butterfly  
 Working Pressure: 300 Psi

Water Flow Detector  
 Working Pressure : 450 Psi

Test & Drain Valve  
 Body Material : Brass  
 Working Pressure : 175 Psi



**SPRINKLER**

Available Model in Pendant, Side Wall, Upright  
 Nominal Orifice : 1/2"  
 Connection : Screw End NPT or BSPT  
 Max Working Pressure : 175 Psi (FM), 250 Psi (UL)



**GATE VALVE RESILIENT OS & Y TYPE**

Body : Ductile Iron  
 Size : 2" - 24"  
 Conn : ANSI 125 / ANSI 150 PN 16



**ALARM CHECK VALVE**

Body : Ductile Iron  
 Size : DN 80 - DN 200 (3" - 8")  
 Connection : Flange PN 10/PN 16, ANSI 125/ANSI 150  
 Working Pressure : 300 Psi  
 Complete with Accessories



**SWING CHECK VALVE  
RESILIENT**  
Body : Ductile Iron  
Size : 2" - 12"  
Conn : ANSI 125 / 150 / 250  
PN 10 / PN 16 / PN25



**CHECK VALVE**  
Body : Cast Iron / Ductile Iron  
Size : 2" - 12"  
Conn : ANSI 125 / ANSI 150



**Y STRAINER**  
Body : Ductile Iron  
Size : 2" - 12"  
Conn : ANSI 125 / 150 / 250  
PN 10 / PN 16 / PN25



**BUTTERFLY VALVE**  
Body : Ductile Iron  
Size : 2" - 12"  
Disc : Ductile Iron EPDM Coated  
Flanged Ends 300PSI



**AIR RELEASE VALVE**  
Body : Ductile Iron  
Size : 1/2" - 1"  
Seat Ring : Stainless Steel  
Conn : NPT / BSPT / BSPP  
200PSI



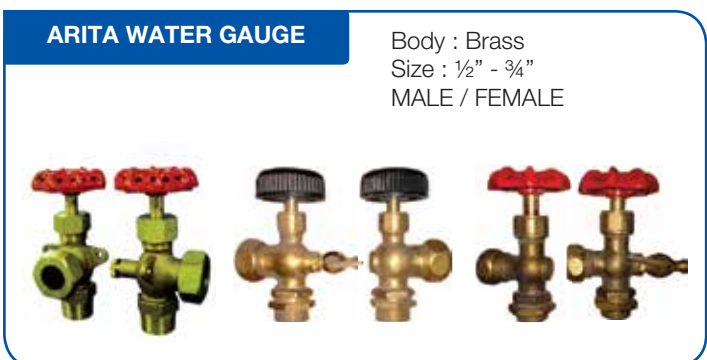
**FIRE HYDRANT SYSTEM**

- Hydrant Box
- Fire Hose
- Hydrant Nozzel
- Hydrant Pillar
- Hose Rack

## Water Gauge - Sight Glass



**ARITA SIGHT GLASS  
DOUBLE WINDOW**  
Body : SUS / Cast Iron /  
Ductile Iron  
Size : 1/2" - 12"  
Conn : BSPT, PN 16,  
F/E JIS 10K



**ARITA WATER GAUGE**  
Body : Brass  
Size : 1/2" - 3/4"  
MALE / FEMALE





**SYPHONE TUBE O - TYPE**

Body : SUS 304 / Cast Steel  
 Size : ¼" - ½"  
 O Type BSPT or NPT



**SYPHONE TUBE U - TYPE**

Body : SUS 304 / Cast Steel  
 Size : ¼" - ½"  
 U Type BSPT or NPT



**ARITA GAUGE COCK**

Body : Brass, SUS 304 /  
 Cast Steel  
 Size : ¼" - ½"



**ARITA S'PARE SEAT**

Size : 1" - 48"  
 Conn : NBR, EPDM, PTFE



**ARITA FLANGE**

Body : Carbon Steel, SUS 304  
 Size : ½" - 40"  
 Conn : JIS 5K, JIS 10K,  
 PN 16, PN 40, ANSI 150, ANSI  
 300



**ARITA RED COLOR  
 CUT GASKET**

Size : ½" - 12"  
 Conn : JIS 20K/JIS 16K  
 /JIS 10K/JIS 5K/PN 6/  
 PN 10/PN 16/PN 25/  
 PN 40/ANSI 150/  
 ANSI 300



**ARITA ELBOW, REDUCER,  
 TEE**

Body : Carbon Steel, SUS 304  
 SUS 316  
 Size : ½" - 36"  
 Conn : SCH 10, SCH 20,  
 SCH 40, SCH 80



**ARITA FITTING**

Body : Carbon Steel, SUS 304  
 Size : ¼" - 4"  
 Conn : BSPT



**ARITA PNEUMATIC CERAMIC  
DOUBLE - DISC GATE VALVE**

Body : WCB  
Size : 2" - 12"  
Seat : Composite Engineering  
Ceramic



**ARITA CERAMIC  
GATE VALVE**

Body : WCB  
Size : 2" - 24"  
Seat : Engineering Ceramic



**ARITA MANUAL CERAMIC  
BALL VALVE**

Body : WCB  
Size : 1/2" - 10"



**ARITA WORM CERAMIC  
BALL VALVE**

Body : WCB  
Size : 1/2" - 10"  
Seat : Composite Engineering  
Ceramic



**ARITA ELECTRIC CERAMIC  
BALL VALVE**

Body : WCB  
Size : 1/2" - 10"  
Seat : Engineering Ceramic



**ARITA PNEUMATIC  
CERAMIC BALL VALVE**

Body : WCB  
Size : 1/2" - 10"  
Seat : Engineering Ceramic



**ARITA PNEUMATIC-MANUAL  
CERAMIC BALL VALVE**

Body : WCB  
Size : 2" - 10"  
Seat : Engineering Ceramic



**ARITA MANUAL CERAMIC  
SCUM VALVE**

Body : WCB  
Size : 2" - 16"  
Seat : Composite Engineering  
Ceramic

## Ceramic Valve



**ARITA CERAMIC SWING CHECK VALVE**

Body : WCB  
Size : 4" - 12"  
Disc : WCB



**ARITA WAFER CERAMIC CHECK VALVE**

Body : WCB  
Size : 2" - 24"  
Seat : Engineering Ceramic  
Disc : WCB Composite  
Engineering Ceramic



**ARITA CERAMIC BUTTERFLY**

Body : WCB  
Size : 2" - 12"  
Seat : Engineering Ceramic  
Disc : WCB



**ARITA DOME VALVE**

Body : WCB  
Size : 3" - 14"  
Seat : 1Cr13

## Lockable Ball Valve



**ARITA LOCKABLE BALL VALVE**

Body : Bras  
Size : 1/2" - 3/4"  
Conn : PTFE Seat - BSP  
Straight Type



**ARITA LOCKABLE BALL VALVE**

Body : Brass  
Size : 1/2" - 3/4"  
Conn : PTFE Seat - BSP  
Angel Type



**ARITA LOCKABLE BALL VALVE**

Body : Brass  
Size : 1/2" - 3/4"  
Conn : PTFE Seat - BSP  
Magnetic Lock



**ARITA LOCKABLE BALL VALVE**

Body : SUS 304 / 316 / Brass  
Size : 3/4"  
Conn : BSPT

# Diaphragm Valve



### STRAIGHT DIAPHRAGM VALVE

Body : CI/CI Rubber Lining  
 Size : ¾" - 16"  
 Disc : Cast Iron  
 Diaphragm : NR / Butyl Rubber  
 Steam : Carbon Steel



### DIAPHRAGM VALVE

Body : CI/CI Rubber Lining  
 Size : ¾" - 16"  
 Disc : Cast Iron  
 Diaphragm : NR / Butyl Rubber  
 Steam : Carbon Steel



### PNEUMATIC DIAPHRAGM VALVE

Body : PVC/PVDF  
 Size : ½" - 8"  
 Connection : Flange JIS 10K, ANSI 150



### PNEUMATIC DIAPHRAGM VALVE

Body : PVC/PVDF  
 Size : ½" - 2"  
 Connection : Screw

# Clorius Valve



### CLORIUS M 1 F STRAIGHT WAY CONTROL VALVE

Body : Cast Iron  
 Size : ½" - 2"  
 Conn : Flanged End PN 16



### CLORIUS M 1 FB BALANCED CONTROL VALVE

Body : Cast Iron, Cast Steel  
 Size : 1" - 4"  
 Conn : Flanged End PN 16



### CLORIUS SELF ACTING THERMOSTAT

- V2 = 2.5°C  
 - V4 = 2°C  
 - V8 = 1.5°C



### CLORIUS SAFETY THERMOSTAT

Setting Range : 30 - 140°C



## Clorius Valve



### CLORIUS SENSOR POCKET

Body : SUS 316



### CLORIUS L 1 S STRAIGHT WAY CONTROL VALVE

Size : 1/2" - 2"  
Conn : BSPT GUN METAL



### CLORIUS MOTORIZED VALVE

Body : Nodular Cast Iron  
GGG40 (EN-GJS-400-15)  
Size : 1/2" - 4"  
Conn : PN 10, PN 16, PN 25  
ANSI 150, JIS 10K  
with motorized



### CLORIUS 3 WAY CONTROL VALVE

Body : Cast Iron, Cast Steel  
Size : 1/2" - 4"  
Conn : PN 16 - PN 40

## Thermo Valve



### THERMO BLOW DOWN VALVE

Body : Cast Steel  
Size : 1" - 4"  
Conn : PN 40



### THERMO BLOW DOWN VALVE BALL TYPE

Body : Cast Steel  
Size : 1" - 4"  
Conn : PN 40



### THERMO STEAM SEPARATOR

Body : WCB  
Size : 2" - 20"  
Conn : PN 16 / PN 40 / ANSI  
150 / ANSI 300 / JIS 10K / JIS  
20K



### THERMO BAFFLE STEAM SEPARATOR

Body : Bronze, Balance  
Pressure  
Size : 2" - 8"  
Conn : PN 16



### THERMODYNAMIC STEAM TRAP

Body : Cast Steel 42 Bar  
Size : 1/2" - 4"  
Conn : BSPT



### THERMODYNAMIC STEAM TRAP WITH FLANGE END

Body : Cast Steel  
Size : 1/2" - 1"  
Conn : PN 16, PN 25, ANSI 150



### THERMODYNAMIC STEAM TRAP 16K

Body : Ductile Iron 1/2" - 1",  
Cast Iron 1/2" - 2"  
Screw End : BSPT, NPT  
Nominal working pressure  
16 Bar



### THERMODYNAMIC TRAP JIS 10K

Body : Cast Iron  
Size : 1/2" - 4"  
Conn : Flanged JIS 10K



### THERMOSTATIC STEAM TRAP & AIR VENT

For Media : Saturated steam  
Body material : Brass  
Size : 1/2"  
Connection : Female Screw  
Installation : Vertical  
Max pressure : 13 Bar  
Max temperature : 200°C



### BALL FLOAT TRAP FT 14

Body : WCB  
Size : 1/2" - 2"  
Conn : Screw End BSPT  
PN 16



### BALL FLOAT TRAP

Body : WCB  
Size : 1/2" - 2"  
Conn : Screw End BSPT  
PN 16



### BALL FLOAT TRAP FT44 FLANGED CONNECTION

Body : WCB  
Size : 1/2" - 4"  
Conn : PN16, PN 40



### THERMO BALL FLOAT TRAP

Body : WCB  
 Size : 1/2" - 4"  
 Conn : BSPT PN 16 / PN 40



### BUCKET STEAM TRAP

Body : WCB  
 Size : 1/2" - 1"  
 Conn : Screw End BSPT & Flanged PN 16, PN 40  
 Pressure Rating : PN 16 - PN 40



### HIGH PRESSURE STEAM TRAP

Body Material : WC6F22  
 Max Allowable Temperature : 500°C  
 Connection : Socket Welded  
 Size : DN 15-DN 25 (1/2" - 1")  
**ANSI 600 - 2500**



### HIGH PRESSURE STEAM TRAP

Body Material : WC6F22  
 Max Allowable Temperature : 500°C  
 Connection : Flange  
 Size : DN 15-DN 50 (1/2" - 2")  
**ANSI 600 - 2500**



### HIGHT PRESSURE DISC TYPE STEAM TRAP

Body : F22  
 Max Allowable Temperature : 550°C  
 Connection : Socket Welded  
 Size : DN 15 - DN 25 (1/2" - 1")  
**PN 100**



### HIGHT PRESSURE DISC TYPE STEAM TRAP

Body : F22  
 Max Allowable Temperature : 550°C  
 Connection : Flange  
 Size : DN 15 - DN 25 (1/2" - 1")  
**PN 100**



### ARI PNEUMATIC CONTROL VALVE

Body : GG 25, GGG 40.3,  
Cast Steel  
Size ½" - 6"  
Conn : Flanged End  
PN 16, 25, 40  
Packing, Bellow Type



### ARI PERDU

Body : GG 25, GGG 40.3,  
Cast Steel  
Size : ½" - 6"  
Conn : Flanged End  
PN 16, 25, 40  
Bellow Balance



### ARI BELLOW SEALED GLOBE VALVE

Body : Cast Steel  
Size : ½" - 8"  
Conn : PN 40, BW  
Bellow Sealed Globe Valve  
SS Y Type ARI FABA



### ARI BELLOW SEALED GLOBE VALVE

Body : Cast Steel  
Size : ½" - 12"  
Conn : PN 40 BW, SW  
Y Type ARI FABA



### ARI FABA BELLOW SEALED GLOBE VALVE

Body : GG 25 , GGG 40.3,  
Cast Steel  
Size : ½" - 16"  
Conn : Straightway Type  
PN 16, 25, 40



### ARI SAFETY VALVE

Body : Cast Steel GG 25,  
GGG40.3, Cast Steel  
Size : ½" - 6"  
Conn : Flanged



### ARI THERMOSTATIC STEAM TRAP

Body : GG 25, GGG 40.3,  
Cast Steel  
Size : ½" - 1"  
Conn : Flange, PN40, PN63  
Class 300, BW, SW



### ARI CONA BALL FLOAT STEAM TRAP

Body : GG 25, GGG40.3, C/S  
Conn : Flange, SW





**Q-FLEX SINGLE SPHERE JOINTS (QFSC TYPE)**

Size : 1½" - 24"  
Conn : JIS 10K, PN 16



**Q-FLEX TWIN SPHERE JOINTS (QFTC TYPE)**

Size : 2" - 24"  
Conn : JIS 10K, PN 16



**Q-FLEX UNION CONNECTION (QFTU TYPE)**

Size : ¾" - 3"



**OR PRESSURE REDUCING VALVE FOR WATER**

Body : Hot Pressed Bronze  
Size : ½" - 4"  
Conn : BSPT

Marine Valve



**MARINE BALL VALVE**

Body : Bronze  
 Size : 1/2" - 4"  
 Conn : JIS 5K



**MARINE GLOBE VALVE**

Body : Bronze  
 Size : 1/2" - 2 1/2"  
 Conn : JIS 5K F7301



**MARINE RISING STEM GATE VALVE**

Body : Bronze  
 Size : 1/2" - 2 1/2"  
 Conn : JIS 5K / 10K  
 F7367 / F7368



**MARINE SDNR ANGLE GLOBE VALVE**

Body : Bronze  
 Size : 1/2" - 2"  
 Conn : JIS 5K F7352



**MARINE ANGLE GLOBE VALVE**

Body : Bronze  
 Size : 1/2" - 2 1/2"  
 Conn : JIS 5K F7302/F7304



**MARINE FULL OIL TANK EMERGENCY SHUT-OFF VALVE**

Body : Bronze  
 Size : 1/2" - 4"  
 Conn : JIS 5K F7399



**MARINE GATE VALVE**

Body : Bronze  
 Size : 1/2" - 4"  
 Conn : 5K/10K  
 B2026



**MARINE SELF CLOSING GATE VALVE HEAD**

Body : Bronze  
 Size : 1 1/2" - 3" JIS F3019  
 For Short Sounding Pipe

# Marine Valve



**MARINE SDNR  
GLOBE VALVE**

Body : Bronze  
Size : 1/2" - 2 1/2"  
Conn : JIS 5K F7351



**MARINE SDNR  
GLOBE VALVE**

Body : Bronze  
Size : 1/2" - 2"  
Conn : JIS 16K F7409



**MARINE SDNR  
GLOBE VALVE**

Body : Bronze  
Size : 1/2" - 4"  
Conn : JIS 5K/10K B2011



**MARINE GLOBE VALVE**

Body : Bronze  
Size : 1/2" - 4"  
Conn : JIS 5K / 10K B2011



**MARINE SWING  
CHECK VALVE**

Body : Bronze  
Size : 1" - 2"  
Conn : JIS 5K F7371



**MARINE HOSE VALVE**

Body : Bronze  
Size : 1/2" - 2"  
Conn : JIS 5K/10K F7334



**MARINE ANGLE  
HYDRANT VALVE**

Body : Bronze  
Size : 1/2" - 2 1/2"  
Conn : JIS 5K/10K



**MARINE SIGHT GLASS**

Body : Cast Iron  
Size : 1" - 2"  
Conn : JIS 5K F7218A

# Marine Valve



**MARINE Y TYPE STRAINER**  
 Body : Bronze / Cast Iron  
 Size : - F7220B 1/2" - 3"  
 - F7220 1/2" - 8"  
 Conn : JIS 5K



**MARINE FULL OIL TANK SELF CLOSING VALVE**  
 Body : Bronze  
 Size : 1/2" - 2"  
 Conn : JIS 5K F7398



**MARINE NAKAJIMA CONNECTION**  
 Body : Bronze  
 Size : 1/2" - 2 1/2"



**MARINE SOUNDING PIPE CAP**  
 Body : Bronze,  
 Size : 1" - 4" F3003



**MARINE NJECT WITH O-RING**  
 Body : Aluminium  
 Size : 1 1/2" - 2"



**MARINE GLOBE VALVE**  
 Body : Cast Iron  
 Size : 2" - 16"  
 Conn : JIS 5K / 10K  
 F7305 / F7307



**MARINE GATE VALVE**  
 Body : Cast Iron  
 Size : 2" - 12"  
 Conn : JIS 5K F7363



**MARINE GATE VALVE**  
 Body : Cast Iron  
 Size : 2" - 14"  
 Conn : JIS 10K F7364



# Marine Valve



**MARINE ANGLE VALVE**

Body : Cast Iron  
 Size : 2" - 12"  
 Conn : JIS 5K F7306



**MARINE ANGLE VALVE**

Body : Cast Iron  
 Size : 1" - 16"  
 Conn : JIS 10K F7308



**MARINE SDNR ANGLE VALVE**

Body : Cast Iron  
 Size : 1½" - 12"  
 Conn : JIS 10K F7376



**MARINE SDNR ANGLE VALVE**

Body : Cast Iron  
 Size : 2" - 12"  
 Conn : JIS 5K F7354



**MARINE SDNR GLOBE VALVE**

Body : Cast Iron  
 Size : - F7353 ½" - 12"  
 - F7375 ½" - 10"  
 Conn : JIS 5K / 10K



**MARINE LAUGGED TYPE BUTTERFLY VALVE**

Body : Cast Iron  
 Size : 1½" - 8"  
 Seat : EPDM  
 Disc : Alumunium Bronze  
 GEAR / LEVER



**MARINE LIFT CHECK ANGLE VALVE**

Body : Cast Iron  
 Size : 2" - 8"  
 Conn : JIS 5K F7359



**MARINE SWING CHECK VALVE**

Body : Cast Iron  
 Size : - F7372 1½" - 10"  
 - F7373 1½" - 12"  
 Conn : JIS 5K / 10K

# Marine Valve



**MARINE GOOSE NECK AIR PIPE HEAD BALL FLOAT TYPE**

Body : Cast Iron  
 Size : ¾" - 4"  
 Conn : JIS 5K F3012



**MARINE AIR VENT HEAD**

Body : Cast Iron  
 Size : ½" - 18"  
 Conn : JIS 10K  
 Model : SKS91A - 121



**MARINE AIR VENT HEAD**

Body : Cast Iron  
 Size : 2" - 12"  
 Conn : JIS 5K F3012  
 Model : Niikura 53 - ON



**MARINE VACUUM RELIEF VALVE**

Body : Cast Iron,  
 ( SS304 + Brass )  
 Size : 2" - 12"  
 Conn : JIS 5K



**MARINE HOSE GLOBE VALVE**

Body : Cast Iron  
 Size : ½" - 2½"  
 Conn : JIS 5K/10K JIS F7333  
 With Nakajima Connection  
 Non Nakajima Connection



**MARINE ANGLE HOSE GLOBE VALVE**

Body : Cast Iron  
 Size : ½" - 2½"  
 Conn : JIS 5K/10K JIS F7333  
 With Nakajima Connection  
 Non Nakajima Connection



**SEMI ROTARY HAND PUMP**

Body : Cast Iron  
 Size : ½" - 2"  
 Conn : Screw JIS 5K



**MARINE SIGHT GLASS C/W FLAPPER**

Body : Cast Iron  
 Size : 1½" - 8"  
 Conn : FLANGE END  
 JIS 5K/10K, SUS 304,  
 SUS 316

Marine Valve



**MARINE SIGHT GLASS  
C/W FLAPPER**  
Body : Cast Iron  
Size : 1/2" - 2"  
Conn : BSPT JIS 5K/10K,  
SUS 304, SUS 316



**MARINE MUD BOX /  
SIMPLEX STRAINERS**  
Body : Cast Iron  
Size : 3/4" - 12"  
Conn : JIS 5K/10K F7121



**MARINE SIMPLEX  
STRAINER**  
Body : Cast Iron  
Size : 1" - 8"  
Conn : JIS 10K



**MARINE DUPLEX  
BUCKET STRAINERS**  
Body : SUS 306/316, Cast Iron/  
Carbon Steel 5K  
Size : 3/4" - 4"  
Conn : JIS 5K JIS F7208



**MARINE WAFER  
BUTTERFLY VALVE**  
Body : Cast Iron,  
Size : 1 1/2" - 10"  
Conn : JIS 5K / 10K F7480



**MARINE FULL OIL TANK  
EMERGENCY SHUT-OFF VALVE**  
Body : Cast Steel  
Size : 1 1/2" - 6"  
Conn : JIS 5K / 10K F 7399C



**MARINE BALL VALVE**  
Body : SUS 316  
Size : 1/2" - 4"  
Conn : JIS 5K



**MARINE GATE VALVE**  
Body : Cast Steel  
Size : 2" - 12"  
Conn : JIS 5K F7363C

# Marine Valve



**MARINE GATE VALVE**

Body : Cast Steel  
 Size : 2" - 16"  
 Conn : JIS 10K F7366



**MARINE ANGLE VALVE**

Body : Cast Steel  
 Size : 2" - 14"  
 Conn : JIS 5K / 10K  
 F7312 / F7320



**MARINE GLOBE VALVE**

Body : Cast Steel  
 Size : 2" - 12"  
 Conn : JIS 5K / 10K  
 F7311 / F7319



**MARINE SDNR GLOBE VALVE**

Body : Cast Steel  
 Size : 2" - 10"  
 Conn : JIS 5K / 10K  
 F7311C / 7471



**MARINE ANGLE STROM VALVE**

Body : Cast Steel  
 Size : 2" - 6"  
 Conn : JIS 5K / 10K F3060



**MARINE VERTICAL STROM VALVE**

Body : Cast Steel  
 Size : 2" - 6"  
 Conn : JIS 5K/10K F3060



**MARINE QUICK COUPLINGS**

Size : 1/2" - 6"  
 Type : F Adaptor - Male  
 Body : Aluminium, Brass,  
 stainless steel



**MARINE QUICK COUPLINGS**

Size : 1/2" - 6"  
 Type : E Adaptor Hose Sank  
 Body : Aluminium, Brass,  
 stainless steel



# Marine Valve



**MARINE QUICK COUPLINGS**  
 Size : ½" - 6"  
 Type : B Coupler Male  
 Body : Aluminium, Brass, stainless steel



**MARINE QUICK COUPLINGS**  
 Size : ½" - 6"  
 Type : C Coupler Hose Shank  
 Body : Aluminium, Brass, stainless steel



**MARINE QUICK COUPLINGS**  
 Size : ½" - 6"  
 Type : DC Dust Cap  
 Body : Aluminium, Brass, stainless steel



**MARINE QUICK COUPLINGS**  
 Size : ½" - 6"  
 Type : D Coupler Female,  
 Body : Aluminium, Brass, stainless steel  
 Size : ½" - 6"  
 Type : DP Dust Plug  
 Body : Aluminium, Brass, stainless steel



**MARINE QUICK COUPLINGS**  
 Size : ½" - 6"  
 Type : A Adaptor Female  
 Body : Aluminium, Brass, stainless steel



**MARINE DECK PICE**  
 Size : ¾" - 1½" F3024



**MARINE ROSE BOX GALVANIZE**  
 Size : ¾" - 4" F 7206



**MARINE FUEL OIL SHUT-OFF VALVE C/W PNEUMATIC**  
 Body : Cast Steel, Bronze  
 Size : 1½" - 6"  
 Conn : JIS 5K / 10K  
 F7399C / F7399

# Marine Equipment



**WE ARE THE DISTRIBUTOR OF MARINE EQUIPMENTS**

### GMDSS EQUIPMENT



### FISHERY ELECTRONICS EQUIPMENT



### MARINE ORDINARY CRANE



### MARINE DECK EQUIPMENT



Winch

Marine Anchor Windlass

### WINDOWS AND DOORS



### INTERNATIONAL SHORE CONNECTION (ISC) - FIRE FIGHTING SIZE : 1 1/2" - 2 1/2"



### UNIVERSAL JOINT FOR DECK STAND SIZE : 1" - 1 1/2"



# PROPELLER

## • Fix Pitch Propeller (FPP)



### Specification & Description

Diameter up to 8.4 meter
Weight up to 40 ton
Material from Cu1, Cu2, Cu3, Cu4, Stainless Steel

## • Fix Pitch Propeller (FPP)



### Specification & Description

Diameter up to 8.4 meter
Weight up to 40 ton
Material from Cu1, Cu2, Cu3, Cu4, Stainless Steel

Classification ISO 9001:2015  
by Bureau Veritas



Factory approval certificates from :



# RUDDER PROPELLER

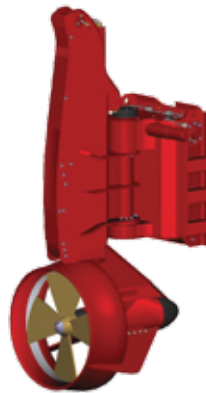
Functions	Advantages	Installation	Application
<ul style="list-style-type: none"> <li>- Rudder and thruster in one</li> <li>- Rudder propeller can steer in any direction of 360° above the water level</li> </ul>	<ul style="list-style-type: none"> <li>- Provide all around thrust</li> <li>- Increase the operation flexibility of the vessel</li> </ul>	<ul style="list-style-type: none"> <li>- Well installation</li> <li>- Transom installation</li> <li>- Deck installation</li> </ul>	Large tugboat, harbor tug, drilling platform vessel, ocean engineering vessel

## SZP Z-Type Rudder Propeller Specification & Description

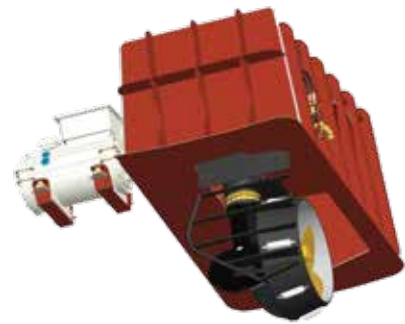
Original



Retractable



Swing Up





	SZPA	SZPB
Input Power Max	110kw(150HP) - 4500 kw(6120HP)	
Input RPM	1500 - 2400	550 - 1500
Propeller Diameter (mm)	650 - 3950	650 - 3950



# TUNNEL THRUSTER

Functions	Advantages	Installation	Application
<ul style="list-style-type: none"> <li>- Provide thrust to the vessel to move sideways</li> <li>- There are 2 types of tunnel thruster-fixed pitch tunnel thruster and controllable pitch tunnel thruster</li> </ul>	<ul style="list-style-type: none"> <li>- Simplify the operation flexibility of the vessel</li> <li>- Increase the operation flexibility of the vessel</li> </ul>	<ul style="list-style-type: none"> <li>- Bow or stern</li> </ul>	<ul style="list-style-type: none"> <li>- Transport on vessel, tugboat, ocean engineering vessel, ro/ro ship, cargo ship</li> </ul>

FP Tunnel Thruster (SCT-FP)	Specification & Description														
	<table> <tr> <td><b>Input Power Max</b></td> <td><b>45 kw(60.75HP) - 3150 kw(4284HP)</b></td> </tr> <tr> <td><b>Input RPM</b></td> <td><b>730 - 1750</b></td> </tr> <tr> <td><b>Frequency (Hz)</b></td> <td><b>50 - 60</b></td> </tr> <tr> <td><b>Propeller Diameter (mm)</b></td> <td><b>350 - 3300</b></td> </tr> <tr> <td><b>Inner (mm)</b></td> <td><b>380 - 3340</b></td> </tr> <tr> <td><b>Length (mm)</b></td> <td><b>500 - 2800</b></td> </tr> <tr> <td><b>Max Thrust (kN)</b></td> <td><b>7 - 504</b></td> </tr> </table>	<b>Input Power Max</b>	<b>45 kw(60.75HP) - 3150 kw(4284HP)</b>	<b>Input RPM</b>	<b>730 - 1750</b>	<b>Frequency (Hz)</b>	<b>50 - 60</b>	<b>Propeller Diameter (mm)</b>	<b>350 - 3300</b>	<b>Inner (mm)</b>	<b>380 - 3340</b>	<b>Length (mm)</b>	<b>500 - 2800</b>	<b>Max Thrust (kN)</b>	<b>7 - 504</b>
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	<table> <tr> <td><b>Input Power Max</b></td> <td><b>45 kw(60.75HP) - 3150 kw(4284HP)</b></td> </tr> <tr> <td><b>Input RPM</b></td> <td><b>730 - 1750</b></td> </tr> <tr> <td><b>Frequency (Hz)</b></td> <td><b>50 - 60</b></td> </tr> <tr> <td><b>Propeller Diameter (mm)</b></td> <td><b>350 - 3300</b></td> </tr> <tr> <td><b>Inner (mm)</b></td> <td><b>380 - 3340</b></td> </tr> <tr> <td><b>Length (mm)</b></td> <td><b>500 - 2800</b></td> </tr> <tr> <td><b>Max Thrust (kN)</b></td> <td><b>7 - 504</b></td> </tr> </table>	<b>Input Power Max</b>	<b>45 kw(60.75HP) - 3150 kw(4284HP)</b>	<b>Input RPM</b>	<b>730 - 1750</b>	<b>Frequency (Hz)</b>	<b>50 - 60</b>	<b>Propeller Diameter (mm)</b>	<b>350 - 3300</b>	<b>Inner (mm)</b>	<b>380 - 3340</b>	<b>Length (mm)</b>	<b>500 - 2800</b>	<b>Max Thrust (kN)</b>	<b>7 - 504</b>
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<b>Max Thrust (kN)</b>	<b>7 - 504</b>														

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Pressure Gauge



Regulator



Cutting & Welding  
Tool



Thermometer



Pressure Gauge



Head-Resistant Pressure  
Gauge



Thermometer Gauge



Cutting Nozzle



Oxygen Regulator



High Pressure Regulator



Balanced Pressure Torch



Cutting Torch

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Jakarta - Indonesia

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# AIRA



BIOFILTRASI

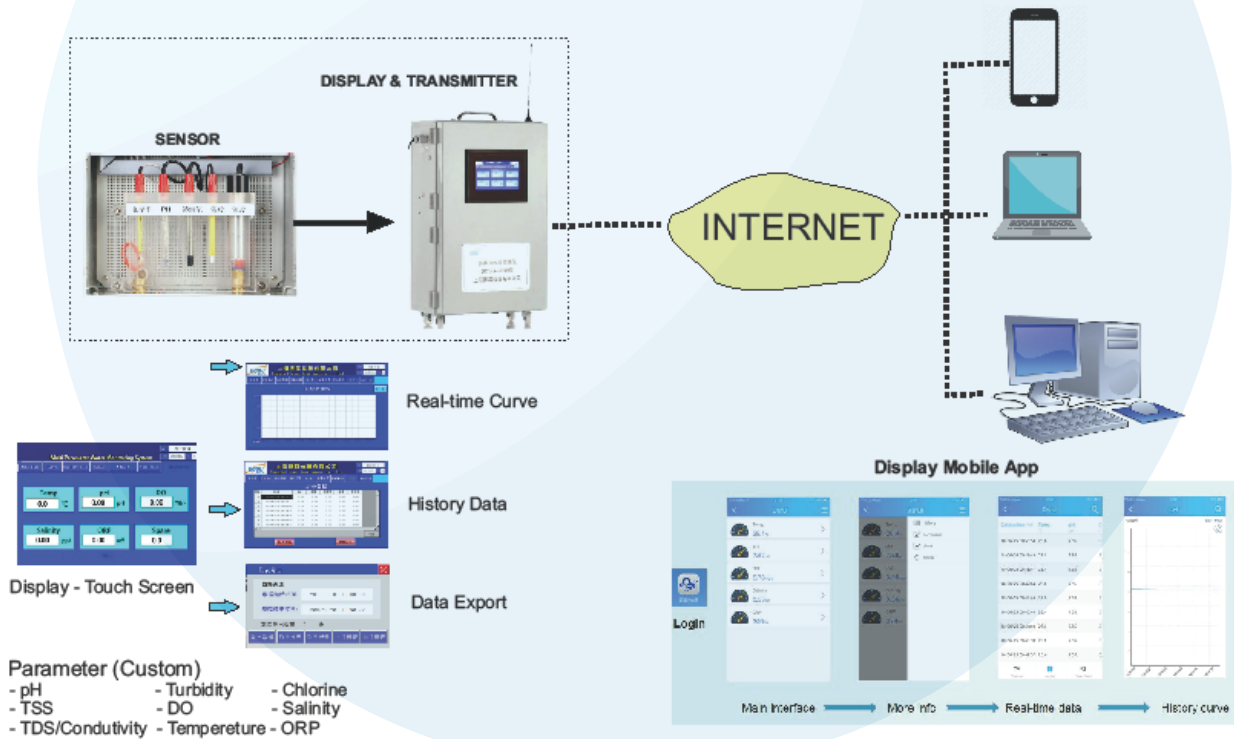


ULTRA FILTRASI



RO/NANO FILTRASI

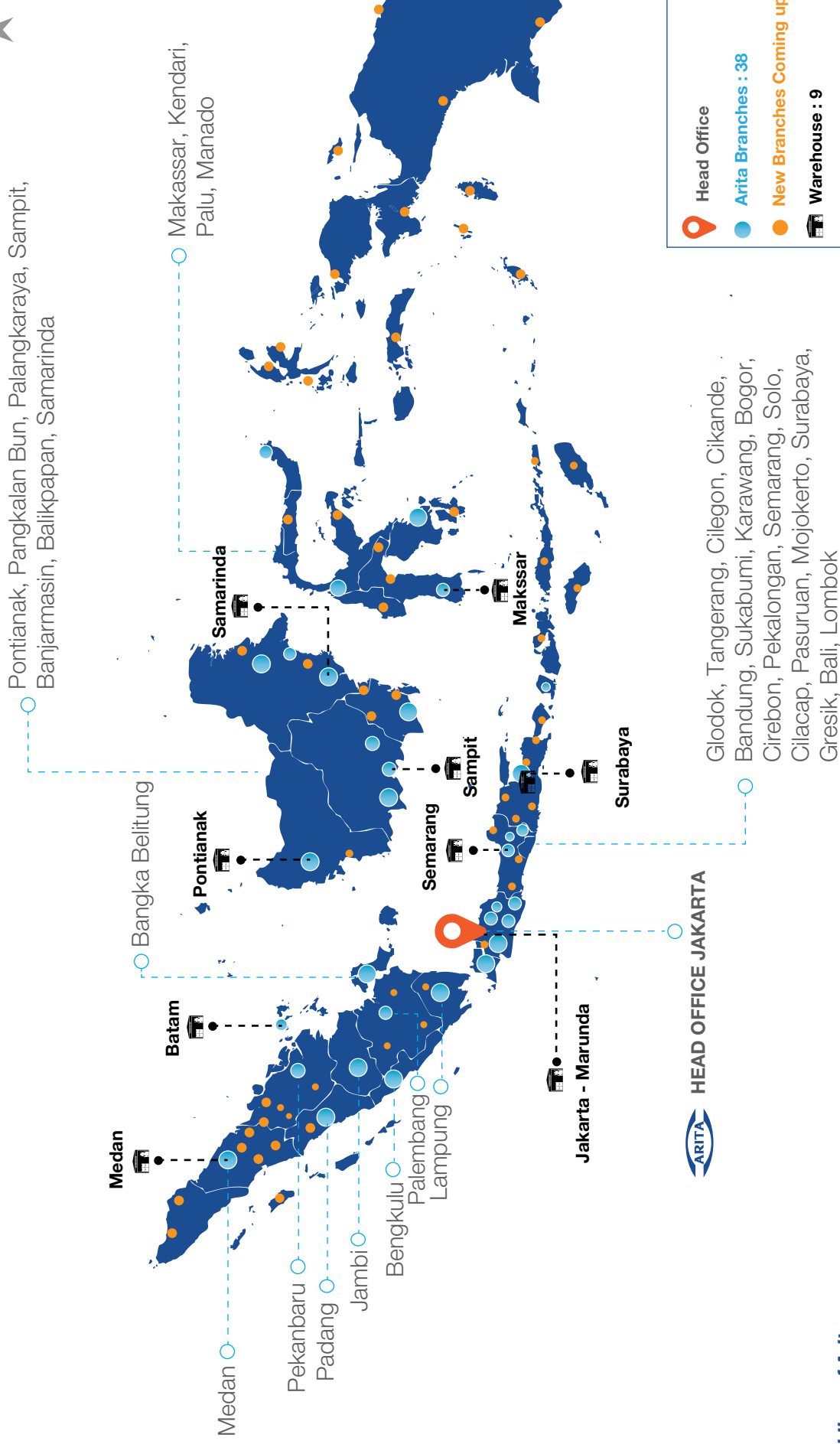
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## Head Office

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