

W e . s u p p o r t . t h e
i n n o v a t i o n s . o f . c u s t o m e r s

Leak - Proof Flow & Control Solution Partner

The Best Partner
for Value Creation

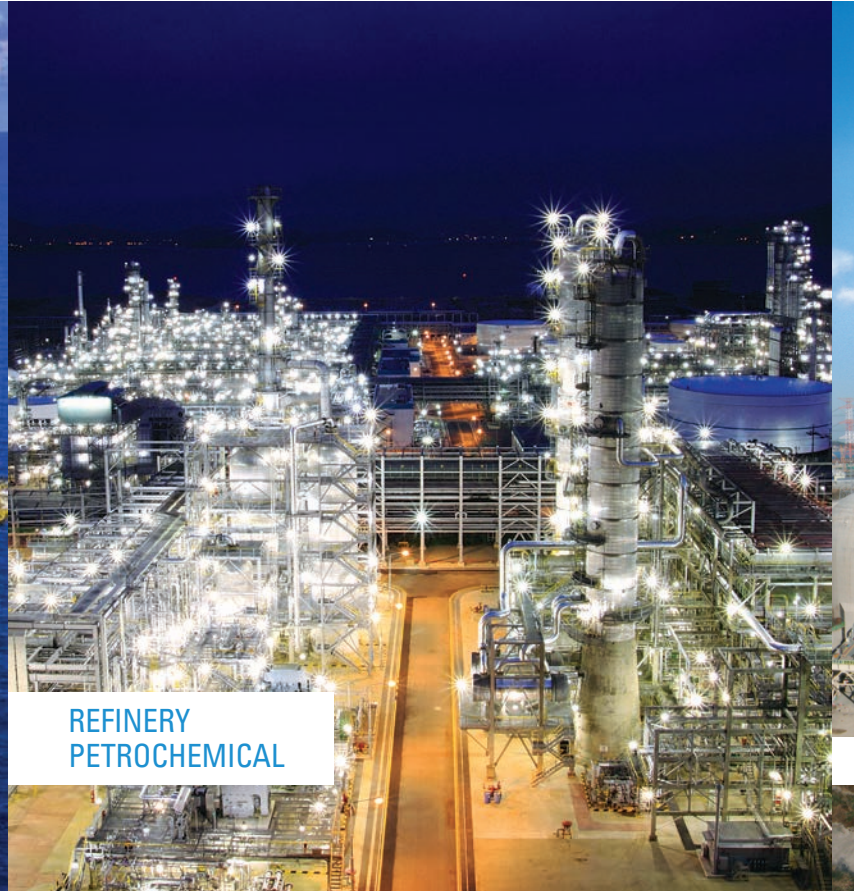
HanSun

한선엔지니어링(주)
HANSUN ENGINEERING CO., LTD.





SHIPBUILDING
OFFSHORE PLANT



REFINERY
PETROCHEMICAL

Your Leak-Proof Flow & Control Solution Partner

Hansun Engineering has been manufacturing tube fittings and valves for instrumentation, hydraulics, flow & control system, oil & gas E&P, refinery, petrochemical processing, shipbuilding & heavy industries, pulp & paper mill etc. **HanSun** and **S-LOK** may not be familiar, but we have been serving our customers for two decades and our technology is more than enough to compete with any other brands in the world.

S-LOK has been focusing on a single target "customer satisfaction" and Hansun Engineering has already established global networks in various industries including famous local (Korean) partners.

Hansun Engineering has been investing heavily in new technology development and innovative products. We will continue to offer new solutions to various industries and satisfy various global needs.

Our quality policy is to provide the best quality products satisfying customer's requirements and related rules & regulation through continuous quality innovation.

We have twenty year history of creating values for our customers. We are committed to being your best leak-proof flow & control solution partner. We will do our best to create values for our partners.

Our Motto is Value Creation!

Your leak-proof flow & control solution partner, Hansun Engineering!





POWER PLANT



SEMICONDUCTOR

We support Your Dreams!

Real champion is the person who are marking efforts day and night to be the best leader.
We also want to make our dreams come true in the world along with our valuable customers.

ANY INDUSTRIES

Process instrumentation / Oil and Gas E&P
Refinery & Petrochemical / Power Plant
Shipbuilding / Semiconductor
CNG Vehicles / LNG Terminal

ANY COUNTRIES

- North & South America
- Europe
- MENA(Middle East & North Africa)
- Asia
- Australia

ANY SOLUTIONS

- High pressure / Vacuum
- High Temperature / Cryogenic
- Shock / Vibration Resistance
- Lifetime Warranty
- Availability of spare parts in worldwide

Your value creation partner through innovation of technologies is Hansun Engineering in Korea!





S-LOK® Tube Fittings

- Available in Size: 1/16 - 2 in. and 2mm - 50mm
- Compression type double ferrule fittings
- Roll threaded construction
- Available variety of configurations
- Excellent vibration resistance
- Excellent leak-proof sealing
- Gaugeability and retighten
- Stainless steel, Brass, Carbon steel, Alloy 400

Fittings



Hydraulic Pipe Fittings

- Socket welding & Screwed type
- Pressure class 2000, 3000, 6000, 9000 fittings to ANSI and JIS standards
- Materials
- Carbon steel : A105, A234, JIS G4051 S20C - S45C
- Stainless steel : ASTM A182 F304, F316
JIS G4303 S304, S316



SNV50

Integral Bonnet Needle Valves

- Pressure rating up to 5000psi(340bar) @ 100°F(38°C)
- Temperature rating : -65°F(-54°C) to 450°F(232°C)
- Stainless steel, Brass, and Alloy
- In-Line or Angle pattern
- Vee stem, Regulating stem, Soft seat
- Sizes : S-LOK 1/8 to 3/4 in.
Pipe Thread 1/8 to 1/2 in.



Bite Type Tube Fittings (DIN2353)

- According to DIN2353 standard
- Two cutting edge single ring design
- Stainless steel and Carbon steel
- Metric tube O.D
- Type approved : Lloyds / DNV / ABS



Bite Type Tube Fittings (JIS B2351)

- According to JIS B2351 standard
- Single cutting ring design
- Stainless steel and Carbon steel
- Metric tube O.D and pipe O.D



Instrument Thread Fittings

- Size range from 1/8 to 2 inch piping.
- Stainless steel and Carbon steel
- NPT, ISO/BSP, and SAE threads
- According to ASME B31.1 & B31.3
- Rolled male threads
- Male threads are protected with cap
- Excellent threads constructed to ensure leak-proof & reliable systems

Needle Valves



SNV60

Integral Bonnet Bar Stock Needle Valves

- Pressure rating up to 6000psi (413bar) @ 100°F(38°C)
- Temperature rating: -65°F(-54°C) to 450°F(232°C)
- Stainless steel, Alloy
- Vee stem, Regulating stem, Soft seat
- Sizes : S-LOK 1/4 to 1/2 in.
Pipe Thread 1/4 to 3/4 in.



SUNV60

Union Bonnet Needle Valves

- Pressure rating up to 6000psi(413bar) @ 100°F(38°C)
- Temperature rating : up to 572°F(300°C) with PTFE packing up to 1200°F(649°C) with Grafoil packing
- Stainless steel, optional Alloy 20. and Alloy C276
- Non-rotating globe type stem tip
- Size : S-LOK 1/8 to 1 in.
Pipe Thread 1/8 to 1 in.
SW : 1/4 to 1/2 in.



SNV100

High Pressure Needle Valves

- Pressure rating up to 10000psi(689bar) @ 100°F(38°C)
- Temperature rating : -65°F(-54°C) to 450°F(233°C)
- Stainless steel
- PTFE packing on stem for leak tight seal and long life cycle
- Sizes : S-LOK 1/8 to 1 in.
Pipe Thread 1/4 to 3/4 in.

IlanSun - CHECK VALVES



SCV30

Poppet Check Valves

- Pressure rating up to 3000psi (206bar) @ 100°F(38°C)
- Temperature rating : -10°F(-23°C) to 375°F(191°C)
- Stainless steel, Brass
- Cracking pressure : 1/3psig(0.02barg) to 100psig(6.89barg)
- Sizes : S-LOK 1/8 to 1 in.
Pipe Thread 1/8 to 1 in.



SCP30

One piece Check Valves

- Pressure rating up to 3000psi(206bar) @ 100°F(38°C)
- Temperature rating : -10°F(-23°C) to 375°F(191°C)
- Stainless steel, Brass
- Cracking pressure : 1/3psig(0.02barg) to 50psig(3.45barg)
- Sizes : Pipe Thread 1/4 to 1/2 in.

IlanSun - BALL VALVES



SBV10

Bar Stock Ball Valves

- Pressure rating up to 1000psi (69bar) @ 100°F(38°C)
- Temperature rating : -65°F(-54°C) to 400°F(205°C)
- Stainless steel, Brass
- Butterfly handle optional
- Sizes : S-LOK 1/4 to 1 in.
Pipe Thread 1/4 to 1 in.



SBV30

One-Piece Instrumentation Ball Valves

- Pressure rating up to 3000psi (206bar) @ 100°F(38°C)
- Temperature rating : 50°F(10°C) to 150°F(65°C)
- Stainless steel, Brass
- Sealing without system pressure
- Sizes : S-LOK 1/16 to 3/4 in.
Pipe Thread 1/8 to 1/2 in.

**SCA30****Adjustable Check Valves**

- Pressure rating up to 3000psi (206bar) @ 100°F(38°C)
- Temperature rating : -10°F(-23°C) to 375°F(191°C)
- Stainless steel, Brass
- Cracking pressure : 3psig(0.2barg) to 600psig(41.3barg)
- Sizes : Pipe Thread 1/4 to 1/2 in.

**SCH60****High pressure Check Valves**

- Pressure rating up to 6000psi (413bar) @ 100°F(38°C)
- Temperature rating : -10°F(-23°C) to 375°F(191°C)
- Stainless steel
- Cracking pressure : 1/3psig(0.02barg) to 25psig(1.7barg)
- Sizes : S-LOK 1/8 to 1 in.
Pipe Thread 1/4 to 1 in.

**SBV60****High Pressure Ball Valves**

- Pressure rating up to 10,000psi (689bar) @ 100°F(38°C)
- Temperature rating :
-22°F(-30°C) to 265°F(130°C) with PVDF Seat
-65°F(-54°C) to 500°F(260°C) with PEEK Seat
- Stainless steel
- Panel mounting and locking device are available
- 2-way, 3-way
- Sizes : S-LOK 1/4 to 1 in.
Pipe Thread 1/4 to 1 in.

**SFBV60****Forged High Pressure Ball Valves**

- Pressure rating up to 6000psi (413bar) @ 100°F(38°C)
- Temperature rating :
-65°F(-54°C) to 446°F(230°C)
- Stainless steel
- Easy replacement ball seats
- 2-WAY, 3-WAY
- Sizes : S-LOK 1/8 to 3/4 in.
Pipe Thread 1/4 to 1/2 in.

**SDBV****Hydraulic Ball Valves for DIN Standard**

- Pressure rating up to 7200psi (500bar) @ 100°F(38°C)
- Temperature rating :
-4°F(-20°C) to 210°F(100°C)
- Stainless steel
- Sizes : Pipe Thread 1/4 to 2 in.

IlanSun - PLUG, RELIEF VALVES AND FILTERS



SPV30

Plug Valves

- Pressure rating up to 3000psi (206bar) @ 100°F(38°C)
- Temperature rating : -10°F(-23°C) to 400°F(204°C)
- Stainless steel, Brass
- Flow throttling
- Easy replacement plug and o-ring
- Sizes : S-LOK 1/8 to 1/2 in.
Pipe Thread 1/8 to 1/2 in.



SRPV30

Rising Plug Valves

- Pressure rating up to 6000psi (413bar) @ 100°F(38°C)
- Temperature rating : -20°F(-29°C) to 250°F(121°C)
- Stainless steel
- Replaceable soft seat
- Delrin, PEEK or PCTFE seats
- Non-rotating globe type stem tip
- Sizes : Pipe Thread 1/4 to 3/4 in.

IlanSun - MANIFOLDS AND GAUGE ROOT VALVES

Manifolds and Gauge Root Valves



SGRV60

Gauge Root Valves

- Pressure rating up to 6000psi (413bar) @ 100°F(38°C)
- Temperature rating : -65°F(-54°C) to 450°F(232°C)
- Stainless steel
- Non-rotating globe stem tip
- Grafoil packing for high temperature available
- Standard gauge valve, longer body gauge root valve and extended 4" long body
- Multi-port designs and Block and Bleed style
- Sizes : Pipe Thread 1/2 to 3/4 in.



SMV

Manifolds Valves

- Pressure rating up to 6000psi (413bar) @ 100°F(38°C)
- Temperature rating : -65°F(-54°C) to 973°F(523°C) with Grafoil packing
- Stainless steel
- 2V, 3V and 5V as standard
- Remote or direct mounting
- Non-rotating globe stem tip



SRV30, SRV60 Relief Valves

- Pressure rating up to 6000psi(413bar)
@ 100°F(38°C)
- Temperature rating :
-10°F(-23°C) to 400°F(204°C)
- Stainless steel
- Cracking pressure :
SRV30 : 10psig(0.69barg) to 250psig(17.25barg)
SRV60 : 250psig(17.5barg) to 6000psig(413barg)
- Sizes : S-LOK 1/4 to 1/2 in.
Pipe Thread 1/4 to 1/2 in.



SFV30, SFV60 Filters

- Pressure rating up to 3000psi(206bar),
6000psi(413bar)
- Gas and liquid filtration
- Micron filtering ranges :
0.5, 2, 7, 15, 60 and 90 microns
- Replaceable sintered elements
- Stainless steel, Brass
- Sizes : S-LOK 1/8 to 1/2 in.
Pipe Thread 1/8 to 1/2 in.



SBLV Bleed Valves

- Pressure rating up to 10000psi(689bar)
@ 100°F(38°C)
- Temperature rating :
-65°F(-54°C) to 850°F(454°C)
- Stainless steel
- Male pipe thread : 1/8 - 1/2 in.

IanSun - DOUBLE BLOCK & BLEED VALVES, MONOFLANGES

Double Block & Bleed Valves, Monoflanges



SDBV Double Block & Bleed Valves

- Class 150 to Class2500 to ASME B16.5
- Temperature rating :
PEEK seat : -65°F(-54°C) to 400°F (205°C)
PCTFE seat : -22°F(-30°C) to 356°F (180°C)
- Stainless steel, Duplex, A105
- Saving on space and weight
- Easy installation and maintenance
- Fire safety designed to API 607/6 FA
- Flange Sizes: 1/2 to - 2 in.(DN15-DN50)



SMNF Monoflanges

- Class 150 to Class2500 to ASME B16.5
- Temperature rating :
PTFE packing : -65°F(-54°C) to 400°F (204°C)
Graphite packing : -65°F(-54°C) to 850°F(454°C)
- Stainless steel
- Flange Sizes : 1/2 - 2 in.(DN15-DN50)



Tubing

- Standard for ASTM A269 or A213 or equivalent
- Recommended hardness : HRb80 or less
- Full annealed Stainless steel high quality seamless steel tube
- Working Pressure are based on allowable value of 20.000psi according to ASME B31.3
- Safety Factor=3.75:1 considering ultimate tensile Strength 75.000psi
- To determine working Pressure of ASME31.1 multiply the ASME31.3 rating by 0.94
- Size : 1/16 - 2 in, 3mm-38mm

FOR THE BEST QUALITY FITTING & VALVES MANUFACTURING IN THE WORLD



Certificate List



GOOD DESIGN
Good design



N



NPT

NS

NS



API Spec.Q1
Registered



API Monogram



API ISO/TS 29001



KS

Global Availability / Local Service

· Australia · Chile · China · Denmark · Germany · Hungary · India · Indonesia · Israel · Japan · Korea · Malaysia · Singapore · Taiwan · United States · Vietnam



ABS



Lloyd's



DNV



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