LEES Corporation

PRESSURE VESSELS

& INDUSTRIAL FILTER SYSTEMS

aviation-fuel ultra-clean manufacturing know-how,
ASME U-Stamp custom pressure-vessel specialist

38 Years	ASME	Overseas
Mfg. Experience	U-Stamp Certified	Export Project Experience

ASME U-Stamp | National Board | ISO 9001·14001 | KOSHA · KESCO



Lees Corporation

Since 1987 | Gimpo, Korea
28 Yongdu-ro, Daegot-myeon, Gimpo, Gyeonggi-do
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Company Overview

Company Profile	
Company	Lees Corporation
CEO	Jung-Du Lee
Founded	1987 (Lees Trading) / 1996 incorporated
Employees	20 persons
Capital	₩580,000,000
HQ / Factory	28 Yongdu-ro, Daegot-myeon, Gimpo, Gyeonggi-do
Seoul Office	#702 Daewoo My Building, 552 Gonghang-daero, Yangcheon-gu, Seoul
Contact	02-2643-4515 / lees@leescor.com
Homepage	leescor.com

An ASME U-Stamp certified specialist that has manufactured aviation refueling systems and industrial pressure vessels for 38 years since its founding in 1987.

Aviation-fuel filter systems demand the strictest cleanliness standards among refined petroleum products. Decades of design & manufacturing know-how meeting these standards apply directly to our industrial Filter Vessels and custom pressure vessels.

Lees Corporation's products are in operation at sites at home and abroad including Samsung Austin Semiconductor (T-Project), OCI Polysilicon (Lethal Service), LG Chem, Korea District Heating Corp. (Tatebishi), Egypt Ministry of Defense and the US Naval Base in the Philippines.

Ultra-clean fluid handling expertise

From aviation-fuel EI standards to 2nm semiconductor processes

ASME U-Stamp custom support

Fast lead time & design change for small/special sizes

Proven Export Track Record

Delivered to USA, Egypt, Philippines, Mongolia, etc.

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Certifications & Manufacturing Capabilities

ASME U-Stamp

American Society of Mechanical Engineers

- Certificate No. 41772
- Valid: 2023.12.14 ~ 2026.12.14
- Manufacture of Pressure Vessels
- Supports US export & international projects

National Board NB Mark

National Board of Boiler & Pressure Vessel Inspectors

- ASME Designator: U
- Issue Date: 2019.12.01
- NB registration — international trade & export
- International pressure-vessel registration body

ISO 9001:2015

Quality Management System

- Cert. No.: KQ-1109
- Valid: 2024.06.23 ~ 2027.06.22
- Pressure-vessel design/development/mfg. quality mgmt.

ISO 14001:2015

Environmental Management System

- Cert. No.: KE-1110
- Valid: 2024.06.23 ~ 2027.06.22
- Same-scope Environmental Mgmt. System

KOSHA

KOSHA

- General domestic industrial pressure vessels
- per Occupational Safety & Health Act

KESCO

KESCO

- Vessels with electrical equipment
- per KESCO certification

★ Parker Velcon Exclusive Licensee — holds the manufacturing license for aviation-fuel Filter Vessels per EI 1581 / 1590 / 1596

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Manufacturing Capability

Product Capacity

Item	Spec.	Remarks
Max. Outer Dia. (OD)	2,500 mm	
Max. Length	6,000 mm	
Max. Wall Thickness	50 mm	
Max. Unit Weight	20 ton	10-ton Crane
Annual Output	Avg. 100 tons/yr	
Main Scope	OD ≤ 1,200mm / ≤ 5 tons	Small–Mid Custom

Materials & Supply Capability

Carbon Steel	SA516 Gr.60/70, SA106, SA105, etc.
Stainless Steel	SA240-304L / 316L, SA182-F304L/F316L
Special Materials	Duplex, Super Duplex (on request)
Surface Treatment	Acid Cleaning, EP Coating, Buffing #200
Welding Method	GTAW(TIG), GMAW(MIG), SMAW
Non-Destructive Testing	RT, PT, UT, MT — per approved procedures

Applicable Codes & Standards

ASME SEC. VIII DIV.1	Pressure-vessel design & manufacturing (U-Stamp)
ASME SEC. IX	Welding Procedures & Welder Qualification
KS B 6750	Domestic Pressure Vessel Codes
KOSHA / KESCO	Domestic Industrial Safety Cert.
EI 1581 / 1596	Aviation-fuel Filter Vessel (Parker Velcon)
Hazardous Materials Safety Act	Fuel Oil Day Tank (Tank Inspection Certificate)

Key Equipment

- Factory A (Plant): 22M × 12.2M × 11M, 10-ton crane
- Factory B (Warehouse): 22M × 12.2M × 11M, 3-ton crane
- Multiple 500A TIG / MIG welders, Plasma Cutting (100A)
- Hydrostatic tester (0~10MPa), ultrasonic thickness gauge
- Digital thermometer, flow meter, pressure gauge & other inspection equipment

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Product Range

Semiconductor / Advanced Materials

Semiconductor & Advanced Materials

- CS / SUS materials, high-purity fluid-contact treatment
- ASME U-Stamp + Lethal Service support
- EP coating, electro-cleaning & other ultra-clean surface treatment
- Project experience with Samsung, OCI semiconductor & polysilicon processes
- Filter Vessel manufacturing for sub-2nm processes



Power Generation / Energy

Power Generation & Energy

- Fuel Oil Day Tank (Hazardous Materials Safety Act · Tank Inspection Cert.)
- Filter Vessel for generator fuel-gas supply line (KOSHA)
- Generator auxiliary-system pressure vessels & tanks (KESCO)
- Hydrogen & fuel-gas process pressure vessels (ASME)
- Domestic & overseas power-plant / industrial project experience



Petrochemical / Refinery

Petrochemical & Refinery

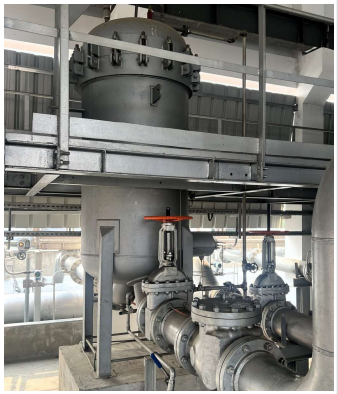
- Filter Vessel / Basket Strainer
- CS / SUS, ASME U-Stamp certified manufacturing
- Hydrocarbon & process-gas support
- Horizontal / Vertical custom design
- Project experience incl. LG Chem, Kumho E&C



Aviation Fuel / Defense

Aviation Fueling & Defense

- Sole Parker Velcon Licensee in Korea
- EI 1581 5th/6th + EI 1596 3rd
- Up to 2,500 GPM
- Civil (airports) / Military (MND, overseas US bases)
- See separate catalog for aviation-fuel Skid & System integrated supply



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Project Experience — Semiconductor / Adv. Materials

Ultra-precision clean process · Lethal Service · ASME U-Stamp · 316L / 304L material

Samsung Austin Semiconductor

(Austin, Texas, USA)

2021

T-Project — Module Filter in semiconductor Fab

Supply route : MFtech → Versum Materials → Samsung Austin

Product	20 Inch 2 Round Multi Housing (HP/LP Module Filter, F-1A / F-2A)
Material	SA240-316L (all components)
Fluid	CO_2 | Filtration : 0.002 micron (2nm)
Code	ASME SEC. VIII DIV.1 U-Stamp
Final Client	Samsung semiconductor plant, USA (overseas ASME export)



OCI Company Ltd.

(Gunsan Polysilicon Plant)

2021

OCI Polysilicon Housing — TCS Filter

Supply route : Parker Hannifin Korea → OCI

Product	SLVF-1830 / SLVF-2630 (Shell Length 990mm ~ 1,250mm)
Material	SA240-304L (Shell/Head), SA182-F304L (Flange)
Fluid	Trichlorosilane (TCS / $SiHCl_3$) — ASME Lethal Service designated
Code	ASME SEC. VIII DIV.1 2019 + KGS applied jointly
Special Treatment	Acid Cleaning, Buffing #200, EP, IPA Cleaning 2022 PCS RE reorder — evidence of confirmed delivery quality



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Project Experience — Power Generation / Energy

Power-plant auxiliary systems · Hydrogen & LNG energy · KESCO-certified vessels — delivered to Korea District Heating Corp. / Hyundai Steel / POSCO

Client	Project	Final Client / Location	Period	Certification	Key Delivered Items
Tatebishi / Mitsubishi Electric	Generator Seal Oil & Gas Control System components	Korea District Heating Corp., Hyundai Steel, POSCO	2022~Present (In Progress)	KESCO	Drain Regulator, Vacuum Tank, Seal Oil Filter, Gas Dryer, etc.
Mitsubishi Electric (Daegu EcoEnergy)	Daegu EcoEnergy improvement project	Mitsubishi Electric	2021~2022	ASME	Multiple pressure vessels
Wonil T&I	Hydrogen Production Equipment	Ansan / Wanju	2021~2022	ASME	Hydrogen-process Filter Vessel
Samsung C&T	LNG Fuel Gas CES Project	Asan	2020	ASME +KOSHA	LNG Process Pressure Vessels
Kumho E&C	Incheon Fuel Cell Project	Incheon	2019	ASME	Fuel Cell Pressure Vessels
Hyosung Heavy Industries	LINE, Yeosu ABS rebuild, etc.	Lotte Chemical, LG Chem, etc.	2022~Present	Hazardous Materials Act	Fuel Oil Day Tank 37+ units Delivered with Tank Inspection Certificate







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Project Experience — Petrochemical / Refinery

Refinery & petrochemical plant Filter Vessel / Separator — delivered to LG Chem / SK Energy / Hyundai Oil Terminal / Exxon Mobil

Client	Project	Location	Period	Certification	Key Delivered Items
LG Chem	N2 Discharge Filter	Naju	2020~2021	ASME	SA240-F304, ID 1290 × L 2875, 6t / 1.5 tons
LG Chem	PTA Truck Unloading & Conveying System	Daesan	2019	ASME	Process Filter Vessel
SK Energy	Filter Separator Replacement	Incheon	2015~2016	EI 1581/1596	Aviation refueling-facility Filter Separator
Hyundai Oil Terminal	Oil Terminal depot project	Incheon	2016~2017	EI 1581/1596	Filter/Separator 2 units
Hyundai Oil Terminal	Oil Terminal depot project	Ulsan	2020	EI 1581/1596	Filter/Separator 1 unit
Exxon Mobil	Jet Fuel Tank Farm	Guam / Saipan / Majuro	2016~2017	EI 1581/1596	Filter/Separator, Micronic Filter (multiple)
C&S Energy	Oil Filtering System	Busan	2017	ASME	Industrial Filter Vessel







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Project Experience — Aviation Fuel / Defense

EI 1581 / 1596 certified Filter Vessel · sole Parker Velcon Licensee in Korea · deliveries to domestic & overseas civil/military airports & defense

Domestic Airports

- Incheon Int'l Airport (2015~2016) — Filter/Separator 4 units, etc.
- Gimhae Int'l Airport (2018~2019) — Filter/Separator 5 units, Air Eliminator 4 units
- Cheongju Int'l Airport (2020) — Filter/Separator 4 units
- Muan Int'l Airport (2016) — Micronic Filter 2 units

Domestic Defense / Military

- MND aircraft refueler (2017) — Filter/Separator + 31 Control Valves
- KOVIC Cheongju FX Project (2018)
- Army Aviation (2016, 2021~2022) — Filter/Separator
- Korea Aerospace Industries (KAI) G280 test site (2018) — Fuel Defueling Pump Skid
- Jeju Air Hydrant truck (2022) — Filter/Separator 8 units

Overseas Airports / Defense

- Mongolia Ulaanbaatar New Airport (2016~2017) — Filter/Separator 11 units, Hydrant Pit 15 sets, etc.
- Bangladesh Dhaka Airport (2021~2023) — Hydrant Pit 75 sets, Filter/Separator 7 sets
- Egypt MoD (2017~2019) — Filter/Separator 200-unit package
- US Naval Base Philippines (2022~2023) — Jet Refueling Skid 2 sets
- Malaysia NATO refueler (2022) — Filter/Separator 5 units

Overseas Oil Cos.

- Exxon Mobil Guam · Saipan · Majuro (2016~2017) — Filter/Separator, Micronic Filter (multiple)
- China refueler (2018)
- Algeria refueler (2015) — Filter/Separator

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Factory & Facilities

Factory A (Welding Shop)



Size: 22M × 12.2M × 11M | 894㎡

10-ton crane | Main manufacturing space

Factory B (Final Assembly & Shipment)



Size: 22M × 12.2M × 11M | 894㎡

3-ton crane | Final assembly & shipment prep

Welding Equipment

- 500AT CDC Pulse TIG Welding Machine
- 500 CX II (CO_2) Welding Machine
- WELCO TIG 500DP / 500 TIG DC TIG Dong-A Inverter
- 500 AD CAC/DC TIG Equus
- Plasma Cutting Machine (100A) / Gouging Machine (800A)

Inspection Equipment

Ultrasonic Thickness Gauge	1 ~ 300 mm
Coating Thickness Gauge	0.1㎛ ~ 1,250㎛
Thread Gauge / Vernier Calipers	0 ~ 200mm
Digital Thermometer	-50℃ ~ 400℃
Pressure Gauge	0~3.5 / 0~5 / 0~10 MPa
Flow Meter	0 ~ 9,999 ㎥
Hydrostatic Tester	0 ~ 10 MPa

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LEES CORPORATION

Lees Corporation — pressure-vessel & industrial Filter System specialist

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Certifications : ASME U-Stamp (No. 41772) | National Board NB Mark | ISO 9001:2015 | ISO 14001:2015 | KOSHA | KESCO | Parker Velcon Licensee

Since 1987 | Gimpo, Korea

38 years of manufacturing experience, ASME U-Stamp certified — a trusted partner for custom pressure vessels and industrial Filter Systems

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