

Approved by On-site Professionals! A Selected Lineup of Drum Pumps to Meet Industry Needs!

Chemical Industry

- Dispensing of Chemicals
- Transfer of Organic Solvents



P.2-3

Manufacturing Plants

- Lubricant Oil Supply
- Filtration of Cutting Fluids
- Waste Liquid Collection



P.4-5

Construction Equipment Rental

- Fuel Refilling
- Oil Replacement
- AdBlue



P.6-7

Chemical Industry

Air Pressure Pump APD-20AS/SUS

*Minimal residue,
maximum energy saving!
Safely dispense even
highly flammable liquids!*



APD-20AS

Air	Kerosene, Diesel, Oil	Chemicals, Solvents
	Discharge	Suction
	Self-priming	

Compressor:
1HP
Viscosity:
Max. 3,000 cP



Merits

- Minimal residual liquid (Approx. 200cc), waste-free dispensing
- Safe transfer of volatile and flammable liquids
- Energy-efficient operation with low air consumption

Features

- Designed for JIS Standard 200L Closed Drums (Large Bung G2)
- Equipped with anti-static earth cable (G, AS, and SUS Types Only)
- Safe dual pressure control with regulator and safety valve

Squeeze to dispense, release to stop



Manual Gun Nozzle
GN-ALT20

Automatically stops when full



Auto-Stop Gun Nozzle
ATNH-20T

Separate-Type Air Pressure Pump APDS series

*Easy to disassemble for
cleaning, making it ideal for
transferring large quantities
of high-viscosity fluids!*



APDS-25SUS



APDS-1s

Air	Kerosene, Diesel, Oil	Chemicals, Solvents
	Discharge	Suction
	Self-priming	

Compressor:
1HP
Viscosity:
Max. 4,000 cP



Merits

- Wetted parts are removable for easy cleaning
- Capable of transferring large volumes of viscous liquids
- Sanitary type has a proven track record in food applications (APDS-1s / 1.5s) *Not subject to the Food Sanitation Act

Features

- The pressure unit (G3/4) and pump discharge port (G2) are separated
- Designed for sealed drum pressurization and discharge only; not suitable for recovery
- Safe dual pressure control with regulator and safety valve

Aiming to discharge the drum
with minimal residual liquid.

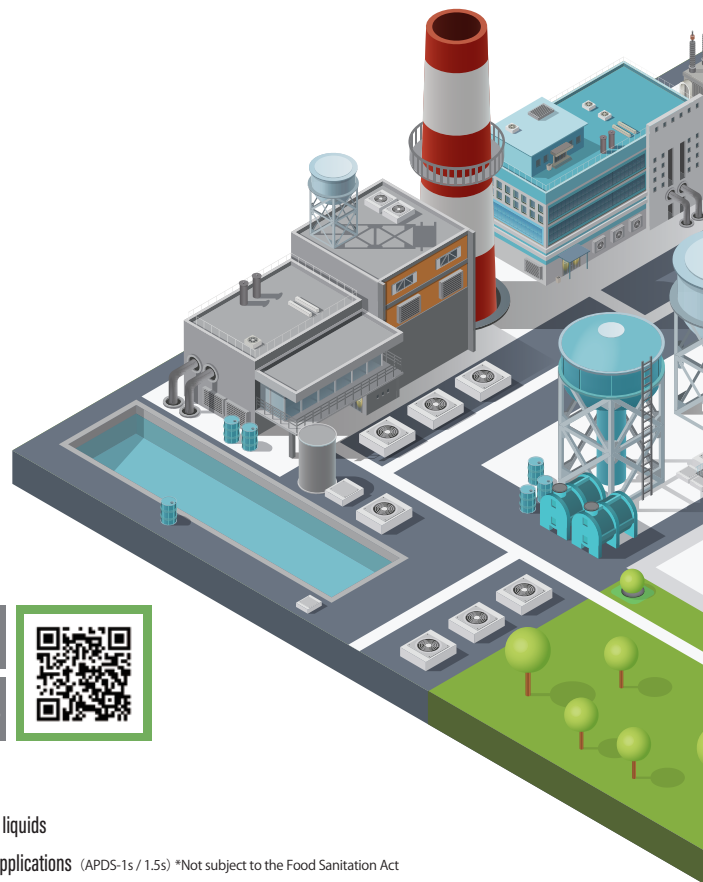
Issues

- ❌ Explosion-proof motor-driven electric pumps are costly
- ❌ Some liquid remains inside the drum
- ❌ Manual operation is hazardous and labor-intensive
- ❌ Handling flammable liquids is hazardous

Improvements

**Safe dispensing of flammable liquids.
Discharges liquid from the container
with minimal waste.**

Time-saving, Labor reduction, Cost reduction, Enhanced safety



Intended for portioning cosmetic ingredients

Issues

- ❌ A dedicated pump for cosmetic ingredients is not available
- ❌ Cleaning is needed, but the pump rusts
- ❌ Transferring large amounts manually is hard work

Improvements

**Drastic reduction of cleaning time.
Made of SUS sanitary stainless steel, the pump
does not rust even after cleaning.**

Time-saving, Labor reduction, Environmental improvement, Reduction of heavy labor burden

Air-Motor Chemical Drum Pump CHD(1)-20A series

Ideal for transferring alcohol and thinner in fire-restricted areas!

Air

Kerosene, Diesel, Oil	Chemicals Solvents	
Discharge	Suction	Self-priming

Compressor:
5HP
Viscosity:
Max. 100 cP



- Merits**
- Lightweight and compact body
 - Enables safe dispensing of flammable liquids
 - Motor unit is replaceable

- Features**
- Exclusive for JIS standard 200L closed drums
 - For low-viscosity liquids (Max. 100cP)
 - Air motor type with no pulsation

Equipped with a lever hook



Manual Gun Nozzle

GN-PPW20

*Not suitable for solvents other than acidic or alkaline types



CHD1-20ASUN

Electric Chemical Drum Pump

CHD(1)-20 series



CHD-20PPN

Hand Rotary Pump HRD-25SUS series

All-stainless construction, ideal for dispensing organic solvents!

Manual

Kerosene, Diesel, Oil	Chemicals, Solvents	
Discharge	Suction	Self-priming

Compressor:
0HP
Viscosity:
Max. 500 cP



Merits

- Capable of dispensing highly flammable organic solvents
- Safe handling of highly volatile liquids with sealed adapter (HRD-25SUSHM)
- Highly effective in emergencies and disasters

Features

- Securely fixed to the drum with adapter
- Equipped with 40-mesh strainer to prevent contamination
- Specifications selectable based on liquid type

Hand Piston Pump

S-LX series

- Compatible with high-viscosity liquids (Max. 10,000 cP)
- Siphon action works well with low-viscosity liquids



S-LXHS



HRD-25SUSHM

Want to dispense isopropyl alcohol from drums

Issues

- ❌ Pumps for solvents are costly
- ❌ Highly volatile and flammable

Improvements

Prevents evaporation with sealed adapter. Earth cable for static electricity prevention. Safe dispensing without concerns of corrosion or ignition.

Environmental improvement, Cost reduction, Enhanced safety

Manufacturing Plants

Air Pressure Pump APD-20N

Discharge-only pump that transfers fluid using compressed air pressure!



Air

Oil	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:
1 HP
Viscosity:
Max. 3,000 cP



Merits

- Minimal residual liquid (approx. 200cc), enabling waste-free discharge
- Silent operation powered by a 1 HP compressor
- Handles small amounts of foreign particles

Features

- Designed for JIS Standard 200L Closed Drums (Large Bung G2)
- Sealed drum pressurized system for discharge only; no recovery
- Safe dual pressure control with regulator and safety valve

Dispensing kerosene, diesel, and oil.
Aims to discharge residual liquid without waste.

Issues

- ❌ Explosion-proof motor-driven electric pumps are costly
- ❌ Residual liquid remains inside the drum
- ❌ Manual operation is hazardous and labor-intensive
- ❌ Handling flammable liquids is hazardous

Improvements

Enables safe dispensing of flammable liquids.
Discharge residual liquid without waste.

Time-saving, Labor reduction, Cost reduction, Enhanced safety

Automatic stop for oil

Ideal for usage management



Auto-Stop Gun Nozzle
ATNB-20



Simple Disk-Type Flow Meter
MK33-25OL

Kerosene,
Diesel

APD-20GN

Air Pressure & Air Vacuum Pump APDX1-25

Versatile pump with dual functions: discharge and suction, operated with a single lever!



Air

Oil	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:
3 HP
Viscosity:
Max. 3,000 cP



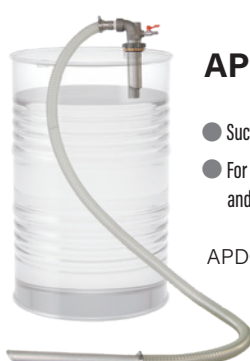
Merits

- Capable of both discharge and suction
- Safe suction of volatile and flammable liquids
- Easy adapter installation with cap nut

Features

- Exclusive for JIS Standard 200L Closed Drum (Large G2 Bung)
- Compressed air driven, sealed type for use inside drums
- Equipped with safety valve and pressure gauge for reliable and safe operation

Air Vacuum Pump



APDQ1 series

- Suction-only Pump
- For collecting cutting fluids and waste liquids

Need to transfer cutting oil and replace oil

Issues

- ❌ Want to transfer cutting fluid from drum to other containers
- ❌ Transfer by using 2 pumps
- ❌ Oil change involved a team of five

Improvements

Enables smooth operation by one person, consolidating two pumps into one to help reduce costs

Time-saving, Labor reduction, Cost reduction, Reduction of heavy labor burden

Air Tank Cleaning Filtration Cleaner APDQO-FS series

For reuse of cutting fluid and tank cleaning in machine tools!

Air

Cutting Fluid	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:
10HP

Viscosity:
Max. 500 cP



Merits

- 3 filter options available: stainless steel, non-woven fabric, and bag filters
- Allows reuse of cutting fluid and extends tool life
- Air-operated, safe from electric leakage; cleaning in 5 mins

Features

- Separates cutting fluid and chips
- Collect and filter cutting fluid, then return it to the tank
- Standard equipped with float



APDQO-FS100



APDQO-FS

Want to dispense small quantities of alcohol and thinner

Issues

- ❌ A team of five spent an entire day manually shoveling
- ❌ The heavy labor caused back pain
- ❌ Causes foul odor and unsanitary conditions

Improvements

**Cleaning time reduced to 1/10.
One-person operation, extends equipment life,
odor-free and clean.**

Time-saving, Cost reduction, Environmental improvement, Reduction of heavy labor burden

Hand Rotary Pump HF-1000

*Manual pump with
1L output per turn -
invaluable in emergencies!*

Manual

Kerosene, Diesel, Oil	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:
0HP

Viscosity:
Max. 500 cP



Merits

- Discharges one 200L drum in approx. 5 minutes
- Simple operation—just turn the handle
- Compatible with heavy oil A and low-viscosity oils (Max. 500 cP)

Features

- Securely fixed to the drum with adapter
- Equipped with a 60-mesh straine
- Powerful gear-driven design.

*Hose material switches to clear PVC (transparent) when extended

Need to refuel during emergencies

Issues

- ❌ No power supply during disaster emergencies

Improvements

**When power is unavailable due to natural disasters.
Ideal for efficient fuel replenishment.**

Environmental improvement, Enhanced safety

Audio and visual alerts when full



Sensor-Type Liquid Level Gauge
GDB-CF

For managing residual liquid inside drums



Liquid Level Checker
(Float-Type Level Gauge)
E-C



HF-1000

Construction Equipment Rental

Integrated Flow Meter Electric Drum Pump TDP1-ATNK24

*Measuring and stopping
come as standard!
Cost savings through precise
liquid level management!*



TDP1-ATNK24

Electric

Kerosene, Diesel, Oil	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:
0HP

Viscosity:
Max. 100 cP



Merits

- 2 Types Available: Auto-Stop Gun and Manual Gun Each model available in 3 types with flow meter; flow meter-free options also available
- Ideal for transferring low-viscosity liquids such as kerosene and diesel

Features

- The Auto-Stop Gun automatically stops when the container is full
- Exclusive for JIS Standard 200L Closed Drum (Large G2 Bung)
- Convenient drum pump compatible with household AC 100V power supply

Easy-to-use gun nozzle for effortless control at hand



Auto-Stop Gun Nozzle
ATNH-20



Light Manual Gun Nozzle
GN1-POM20

Small and large sizes available for fluid management



Turbine Flow Meter
TB-K24-FM



Disc Type Flow Meter
MK33-25D

Electric Handy Pump EV series

*Ideal for transferring
medium-viscosity
oil to elevated locations!*



EVD-100

Electric

Oil	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:
0HP

Viscosity:
Max. 2,500 cP



Merits

- Handles viscosities up to 2,500 cP
- Max. head: 30 m
- Optional metering nozzle available

Features

- Selectable Power Sources (100V, 200V, 12V)*Rated operating time: 20 minutes
- Hose and suction pipe feature lever coupling for one-touch attachment and detachment

Manual gun nozzle is also available in metered type



Manual Gun Nozzle
GN-AL3025



Metered Manual Gun Nozzle
GN-K600A

For fixed-volume dispensing

Large and easy to read



Metered Auto-Stop Gun Nozzle
ATPS-10



Disc Type Flow Meter
MK33-25OL

As liquid transfer costs rise with crude fuel prices, we want to cut expenses and improve recordkeeping efficiency

Issues

- ❌ May overflow when full
- ❌ Waste from unmonitored use
- ❌ Simple pumps used for kerosene and diesel breakdown frequently

Improvements

Achieving cost reduction through strict usage control.
Boost work speed with a high-efficiency pump.

Time-saving, Labor reduction, Cost reduction, Enhanced safety

To transfer 85W gear oil up to 10 meters using an AC 100V electric pump

Issues

- ❌ Manual operation is time-consuming and labor-intensive
- ❌ There is no electric pump available that can transfer 85W gear oil

Improvements

Work time cut in half, boosting efficiency.

Time-saving, Labor reduction, Cost reduction, Reduction of heavy labor burden

Metered Pump System CUBE-56 series

**Metered fueling for
kerosene and diesel
with auto-stop function!**

Air

Kerosene, Diesel	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:

0HP

Viscosity:

Max. 100 cP



Transfer kerosene from drum to jerrycan
with auto-stop at full and usage measurement.

Issues

- ❌ Waste from unmonitored use
- ❌ May overflow when full
- ❌ No place to put the nozzle after using the pump

Improvements

When transferring to the plastic tank,
it doesn't overflow or spill any more.
Usage management has become easier.

Labor reduction, Environmental improvement, Cost reduction

Merits

- Easy to monitor transferred amount and manage usage
- Auto-stop at full tank prevents overflow
- Compact storage for gun nozzles

Features

- Equipped with a standard flow meter and auto-stop gun
- When the gun nozzle is stored, the pump automatically turns off
- 3 types: tabletop (T), wall-mounted (K), and stand (S)



Hand Rotary Pump
HR-2B



Drum Transfer Cart
Station Trolley
S-Trolley
*Installation Image



CUBE-56T

Electric Pump for Plastic Drum Ad-1 series

**Ideal for fast small-batch
dispensing of AdBlue
from plastic drums!**

Electric

AdBlue	Chemicals, Solvents
Discharge	Suction
	Self-priming

Compressor:

0HP

Viscosity:

Max. 100 cP



Merits

- Lightweight and compact
- Auto-stop gun and flow meter can also be installed
- Easy dispensing with a manual gun nozzle

Features

- Easy dispensing with a manual gun nozzle
- Equipped with a standard circuit breaker (automatic stop for thermal and overcurrent protection)
- Equipped with 100V power outlet

Quickly dispense AdBlue in small quantities
for refilling heavy machinery

Issues

- ❌ Dispensing work takes time
- ❌ Want to refuel heavy machinery

Improvements

Significantly reduce small-batch processing time.
Easily transfer to heavy machinery 10 meters away.

Time-saving, Labor reduction, Cost reduction, Reduction of heavy labor burden

Send liquid level data and monitor remotely



Laser-Type Liquid Level Gauge
(Wireless Type, sub-unit)
GDE-CLW



Laser-Type Liquid Level Gauge
(Wireless type, main-unit)
GDE-W
























Ad-1



■ Chemical Resistance Table
■ Kinematic Viscosity Compatibility Chart

Drum Pump Selection Chart

Over 150 types of drum pumps! Choose the perfect one for your application!

	Kerosene, Diesel	Oil	Chemicals, Solvents	AdBlue
Electric	 <p>TDP1-ATNK24 CUBE-56T</p> <p>P.6 P.7</p>	 <p>EVD-100</p> <p>P.6</p>	 <p>CHD-20PPN SHC-100</p> <p>P.3</p> 	 <p>Ad-1 D-SET100</p> <p>P.7</p> 
Air	 <p>APD-20GN DF6D-20G</p> <p>P.4</p> 	 <p>APDX1-25 APD-20GATNB</p> <p>P.4</p> 	 <p>APD-20AS CHD1-20ASUSN</p> <p>P.2 P.3</p>	 <p>Ad-1Air</p> 
Manual	 <p>HR-2B HR-25G</p> <p>P.7</p> 	 <p>HF-1000 S-LH-1</p> <p>P.5</p> 	 <p>HRD-25SUSHM HRP-25 III</p> <p>P.3</p> 	 <p>HRB-20P</p> 

*If you need help with selection, please feel free to contact us

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