

Various options for various applications

Options

Open Pail Can APPQO-OP

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Stainless Can APPQO-SK

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Carrier for Pail Can CARRY

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Carrier for Stainless Can S-CARRY

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Band P for Pail Can BAND-P

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Band V for Pail Can BAND-V

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Filter Set (Two filters, One band) APPQO-FT

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Filter only (Two filters) APPQO-FT2

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Silencer Set S50C

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Round Brush APPQO-MB-SET

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Square Brush APPQO-TN

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Simple Nozzle APPQO-SN120 APPQO-SN80

Applicable models
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Tiny Nozzle KN-15-1000 KN-15-500 KN-15-200

対象機種
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Socket for tiny nozzle APPQO550-SH APPQO400-SH

対象機種
AVC-55PC
AVC-550SUS-I
EVC-550(230V)PC



Hose Extension is possible

Contact us for any inquiry



Vacuum cleaner for pail can, changeable to large capacity cleaner.

AVC-55PC + Open Drum Can (200L, 100L, 50L) + Top Plate for drum can (200L:DTB, 100L:DTB100, 50L:DTB50) + Carrier for drum can (200L:DC-NBR, 100L:DC-NBR100, 50L:DC-NBR50) = EVC-550 (230V) DC-50L, -100L, -200L

*Flier for each product is available.

AQUA SYSTEM CO.,LTD.

01

Vacuum Cleaner for pail can

Air type Compressor/Higher than 5HP	Electric type 230V/4.6A	Viscosity Less than 3,000cP
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Recommendable to collect cutting liquid and waste liquids mixed with chips
Both dry/wet types, Vacuum Cleaner for pail can

Two types driven by air and electric

AVC-55PC (Air type)



Both dry/wet types for wide applications.



Both dry/wet types to collect dusts and liquids, water & cutting liquid etc.



EVC-550 (230V) PC (Electric type)



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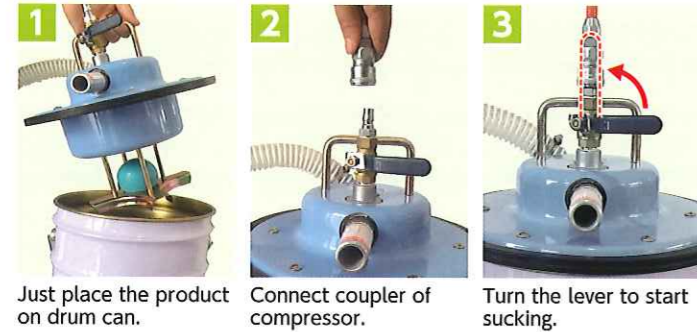
Due to air driven type, no fear on fire even at hazardous area

Air type, Vacuum cleaner for pail can

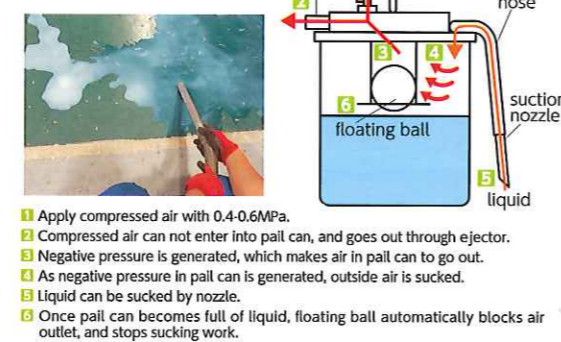


Powerful sucking to collect cutting dust and liquids, water and cutting oils

Simple three steps for operation



How to suck



- More economical, safer and longer life than home cleaner
- To collect cutting liquid from/around machines
- Once top plate is placed, it can work as drum collector.
- To collect wasted liquid with foreign materials
- To collect sludge from drain

Workable at any place, with 230v electricity

Electric type, Vacuum cleaner for pail can



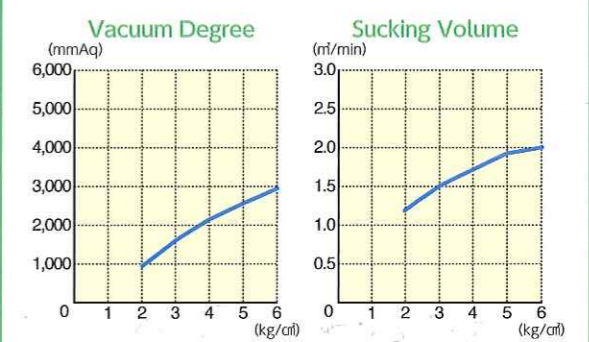
Electric type, but water proof and long life service

Electric cleaner for pail can



Not only cleaning, but also powerful to collect cutting liquid etc.

Performance Curve



- Open Pail can (18-20L/Φ300) with carrier
- Simple design for easy maintenance
- Both dry/wet types, pail can is used as storing cartridge.
- Electric type, but water proof and trouble less design
- To collect waste liquids mixed with cutting oil and chips etc. from factory.
- Carrier for pail can helps easily to move.



Vacuum cleaner for pail can **Air type** Compressor with higher than 5HP

AVC-55PC Standard Type

Model	AVC-55PC	
Applicable liquid/collectables	Oil·Kerosene·Light Oil·Cutting Oil·Chips·Generl Rubbish etc.	
Air Consumption	525ℓ/min	
Max. sucking capacity	60ℓ/min	
Lifting Height	2m	
Accessories	Oil Stopper	Inclusive
	Carrier	Accessories
	Open Pail Can	Accessories
Material/Wet portion	Nozzle	Main Nozzle / Square Nozzle
	Hose (Long· Inner dia.)	PVC (2m×φ32)
	Body/Nozzle	AL
	Packing	NBR
Weight	4.0kg	



AVC-55PC

Vacuum cleaner for pail can **Air type** Compressor with higher than 5HP

AVC-550SUS-i Hard to rust and tough due to stainless made

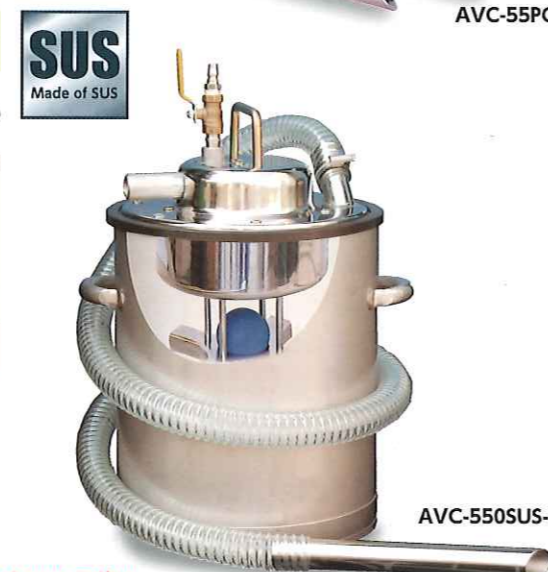
Model	AVC-550SUS-i	
Applicable liquid/collectables	Water·Oil·Kerosene·Light Oil·Cutting Oil·Chips·Generl Rubbish etc.	
Air Consumption	673ℓ/min	
Max. sucking capacity	80ℓ/min	
Lifting Height	2m	
Accessories	Oil Stopper	Inclusive
	Carrier	Option
	Open Pail Can	Option
Material/Wet portion	Nozzle	Main Nozzle / Square Nozzle
	Hose (Long· Inner dia.)	PVC (2m×φ32)
	Body/Nozzle	SUS
	Packing	NBR
Weight	4.0kg	



Washable due to stainless made



Stainless can is salable at your option



AVC-550SUS-i

Vacuum cleaner for pail can **Electric type**

EVC-550 (230V) PC

Electric type, but water proof and trouble less design

Model	EVC-550 (230V) PC	
Applicable liquid/collectables	Oil·Kerosene·Light Oil·Cutting Oil·Chips·Generl Rubbish etc.	
Power Source/ Current	230V·4.6A	
Max. sucking capacity	80ℓ/min	
Lifting Height	2m	
Accessories	Oil Stopper	Inclusive
	Carrier	Accessories
	Open Pail Can	Accessories
Material/Wet portion	Nozzle	Main Nozzle / Square Nozzle
	Hose (Long· Inner dia.)	PVC (2m×φ32)
	Body/Nozzle	AL·SPHC
	Packing	NBR
Weight	9.3kg	



Do not use, once can is damaged/bent



Vacuum Cleaner for drum can

Air type Compressor/Higher than 5HP	Electric type 230V/4.6A	Viscosity Less than 3,000cP
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**Powerful sucking for dust and liquids such as water and cutting oils etc.
Dry/wet applications, Large Capacity Vacuum Cleaner**

Two types
driven by
air and
electric



EVC-550 (230V) DC-50L/100L/200L



- Not only cleaning, but also powerful to collect cutting liquid etc.
- Simple design for long life service and easy maintenance

Large capacity cleaner for collecting cutting oil or waste liquid mixed with chips.

Vacuum cleaner for drum can



Simple design assures longer service life and easy maintenance.

Powerful sucking from dusts to liquids.

Recommendable to collect cutting liquid and waste liquids mixed with chips from factory.



This product can work as cleaner with pail can.

Using with pail can, this works as vacuum cleaner with pail can.



*We recommend filter cleaner (APDQO-F) to separate waste liquid and chips.

Vacuum cleaner for drum can **Air type** Compressor with higher than 5HP

AVC-55DC-50L / 100L / 200L

Air driven operation assures safety even at hazardous area.

Model	AVC-55DC-50L	AVC-55DC-100L	AVC-55DC-200L
Drum Capacity	50ℓ	100ℓ	200ℓ
Applicable liquid/collectables	Oil-Kerosene-Light Oil-Cutting Oil-Chips-Generl Rubbish etc.		
Air Consumption	525ℓ/min		
Max. sucking capacity	60ℓ/min		
Lifting Height	2m		
Oil Stopper	Inclusive		
Carrier	Accessories		
Open Drum Can	Accessories		
Nozzle	Main Nozzle / Square Nozzle		
Hose (Long·Inner dia.)	PVC (2m×φ32)		
Body/Nozzle	AL		
Packing	NBR		
Weight	14kg	24kg	40kg



AVC-55DC-200L

Various options for various applications

Option

Filter only (Two filters) APPQO-FT2

Silencer Set S50C

Round Brush APPQO-MB-SET

Square Brush APPQO-TN

Simple Nozzle APPQO-SN120, APPQO-SN80

Tiny Nozzle KN-15-1000, KN-15-500, KN-15-200

Socket for tiny nozzle APPQO550-SH, APPQO400-SH

Open Pail Can APPQO-OP

Carrier for Pail Can CARRY

Hose Extension is possible

Contact us for any inquiry

Vacuum cleaner for drum can **Electricity type**

EVC-550 (230V) DC-50L / 100L / 200L

Electric type, but resistant to water and simple to assure less trouble.

Model	EVC-550(230V)DC-50L	EVC-550(230V)DC-100L	EVC-550(230V)DC-200L
Drum Capacity	50ℓ	100ℓ	200ℓ
Applicable liquid/collectables	Oil-Kerosene-Light Oil-Cutting Oil-Chips-Generl Rubbish etc.		
Power Source/ Current	230V·4.6A		
Max. sucking capacity	80ℓ/min		
Lifting Height	2m		
Oil Stopper	Inclusive		
Carrier	Accessories		
Open Drum Can	Accessories		
Nozzle	Main Nozzle / Square Nozzle		
Hose (Long·Inner dia.)	PVC (2m×φ32)		
Body/Nozzle	AL·SPHC		
Packing	NBR		
Weight	20kg	30kg	46kg



EVC-550 (230V) DC-200L

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Air type filter cleaner for tank cleaning

Air type
Compressor/Higher than 5HP

Viscosity
Less than 500cP

**Large capacity recommendable
for machines maintenance.
Collection and filtering for cutting liquid.**

Max.
Sucking
Capacity
110ℓ/min

Ejector Knob

AQUA
SYSTEM CO.,LTD.

AQUA
SYSTEM CO.,LTD.

APDQO-FS-i/FF-i

Changing Lever

To change sucking/discharging liquid.



Inside of tank is visible through transparent top cover.



Choice for two filters

Filter for FS-i

For Chips
SUS Filter Type
Standard: #30 Mesh, #400 Mesh
●Washable, Reusable



Filter for FF-i

For Polishing
Unwoven Filter Type

Aluminum, Stainless,
For BC(CAC) and plastics etc.,
applicable for cutting, (sludge)
polishing.

●Washable, Disposable Type
●Stainless #100L is recommendable for washing and/or re-use, instead of unwoven type.



No electricity is necessary.



Compressed air assures continuous operation, without electricity.

Safety valve

In case of excess pressure, air is discharged out from drum can.

Float ball

Float ball automatically works to stop, once the liquid is full.



APDQO-FS100-i/FF100-i

- No electric leak.
- Collectable for 100L liquid within 5 min.
- Easy to change collecting/discharging liquid with one lever.

YouTube

Visit our moving photo for further information.



For machines maintenance

Air type filter cleaner for tank cleaning.



High speed air power assures collecting 100L/min., and discharging 140L/min. *japanese only

Cleaning inside of tank prevents bad smelling and rust.

Regular maintenance and removing foreign materials helps longer service period and cost reduction.

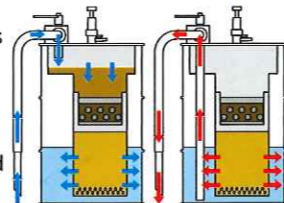
Cleaner for collection, filter and re-use of cutting liquid.

[Collecting cutting liquid from machines, and [filtering] foreign materials, only clean liquid is returned to machines for re-use.



Mechanism for collection, filtering and re-use of waste liquid

After liquid with foreign material is collected, chips are removed in strainer, and clean liquid only is discharged. Once filtered liquid is returned to machines, it can be re-used as clean cutting liquid.



Air type filter cleaner for Drum Can (200L)

APDQO-FS-i / FF-i Large Capacity Type

Model	APDQO-FS-i	APDQO-FF-i
Applicable liquid	Cutting Liquid·Oil·Kerosene·Light Oil	
Filter	SUS Filter Type	Unwoven Filter Type
Dust Collection Capacity	180ℓ	
Air Consumption (when sucked)	690ℓ/min	
Lifting Height	2.5m	
Max. Discharging Volume	140ℓ/min	
Max. sucking capacity	110ℓ/min	
Max. Vacuum Pressure	25kPa	
Weight	36.5kg	38.5kg



2 kinds of filter are available



SUS Filter Type
FS-i type

Unwoven Filter Type
FF-i type

Option

SUS Filter Type
#100L
FF-i type



Carrier for drum can
*Carrier is separately sold for Japan market only.

Air type filter cleaner for Drum Can (100L)

APDQO-FS100-i / FF100-i Standard Type

Model	APDQO-FS100-i	APDQO-FF100-i
Applicable liquid	Cutting Liquid·Oil·Kerosene·Light Oil	
Filter	SUS Filter Type	Unwoven Filter Type
Dust Collection Capacity	100ℓ	
Air Consumption (when sucked)	320ℓ/min	
Lifting Height	2.5m	
Max. Discharging Volume	140ℓ/min	
Max. sucking capacity	110ℓ/min	
Max. Vacuum Pressure	26kPa	
Weight	30.5kg	



APDQO-FS100-i / FF100-i

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Circulation type filter cleaner for tank cleaning

Air type
Compressor/Higher than 5HP

Viscosity
Less than 500cP

**Without stopping the production,
you can clean cutting liquid in tank.**

With simple
dewatering
function



**Sucking·Discharging
by circulation**

Circulation/filtering are possible, even during operation time.



Foreign materials only are collectable.



**Filter for J-FS-i
For Chips
SUS Filter Type**

Standard 40 Mesh

- #100, #150 and #200 are also available at your option.
- J-FS type can be changed to J-FF type, once filter set is purchased/replaced.



**Filter for J-FF-i
For Polishing
Unwoven Filter Type**

Aluminum, Stainless, For BC(CAC) and plastics etc., applicable for cutting, (sludge) polishing.

- Nylon filter is also available at your request.



Collected material is visible.



Carrier



You can easily move even on narrow path

Discharging Port

- No electric leak assures your safety.
- Save your cleaning time.
- Simple design helps your job even at limited place.

YouTube 

Visit our moving photo for further information.

Without stopping the production, You can easily take care of circulation cleaning.

Circulation type filter cleaner for tank cleaning.



*japanese only

Efficient operation within limited time.

You can easily clean cutting liquid, which helps to remove bacteria. Chip friction can be improved. Longer life of coolant liquid is expected, due to better quality control of product.

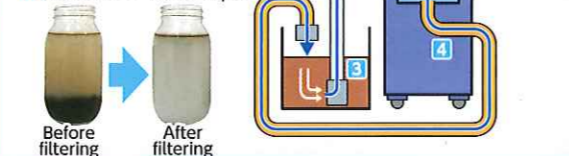
30% better efficiency is expected.

While operating machines, you can clean cutting liquid with shorter time. Operation efficiency is assured.



Filtering

- 1 Fill the compressed air with 0.4-0.6Mpa.
- 2 Open valve (ON/OFF)
- 3 Start collection
- 4 Circulation of filtered liquid



Easy filter maintenance!

Remove upper cover, and take filter out. Then, discard the wastes only. Stainless filter is washable, which helps to reuse. No need to purchase new filter, every time when the product is operated. Visit our moving photo for further information.



Circulation type filter cleaner for Chips / for Polishing

J-FS-i / J-FF-i After cutting liquid is filtered by circulation.

Model	J-FS-i	J-FF-i
Applicable liquid	Cutting liquid·Oils·kerosene·Light oil	
Air Consumption	230ℓ/min	
Lifting Height	4m	
Max. sucking volume	60ℓ/min	
Max. sucking capacity	60ℓ/min	
Accessories	Filter	SUS for chips / Unwoven filter for polishing
	Nozzle	Straight Pipe
Material / Part position	Hose (Long· Inner dia.)	Discharging side:PVC(1.5m×φ32) / Sucking side: Reinforced PVC(3m×φ25)
	Body/Nozzle	AL·Acryl
	Packing	ABS·NBR
	Weight	36.0kg



2 kinds of filter are available

SUS Filter Type
J-FS-i



*You can use as FF type, with unwoven filter kit purchased

Unwoven Filter Type
J-FF-i



We can produce your special filters.

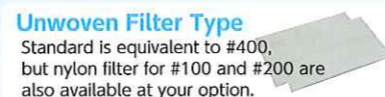
SUS Filter Type

40 Mesh is standard, but #100, #150 and #200 are also available at your option.



Unwoven Filter Type

Standard is equivalent to #400, but nylon filter for #100 and #200 are also available at your option.



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Liquid in can is effectively discharged, better performance than electric and manual types.

Vacuum pump for drum can, **discharging only**



The pump to transfer, due to pressure difference in drum can.

- Workable at hazardous area, as no electricity used. (driven by compressed air)
- Available even for flammable liquid.
- Workable even for Nitrogen in cylinder.



APD-R-i (Discharging only)

Vacuum pump for drum can **discharging only** Compressor with higher than 1HP

APD-R-i Remarkable cost-reduction achieved, due to our own technology

Model	APD-R-i	
Applicable liquid	Oils	
Height for Lifting	2m	
Accessories	Nozzle	Ball Valve
	Hose (Long·Inner dia.)	NBR(2m×32φ)
Material / Air portion	Ground Wire	Inclusive
	Body/Nozzle	AL·Steel Plating
	Packing	NBR
	Weight	4.4kg

200L, based on JIS (Japanese Industrial Standard)
For closed drum can only (dia. G2)

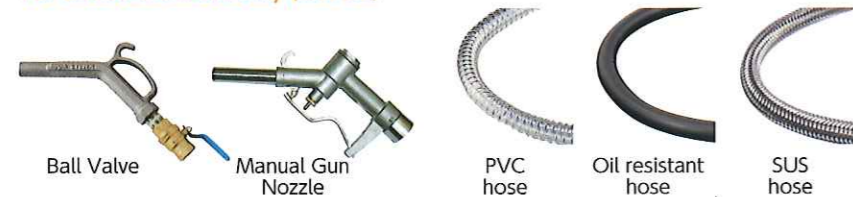
- To discharge liquid effectively.**
Max. depth of remained liquid is 5cm (our test shows 1-2L)
- Several discharging methods!!**
Ball Valve Type, to keep smooth flow Manual Gun Nozzle type, to control with one hand. Ball Valve Type, secure flowing volume. Manual Gun Type for convenience.
- Dual safety design is applied.**
Pressure in a drum can is adjusted for safety.
- Workable, even in case of emergency.**
Once compressed air is filled, this keeps working until air completely gets out.
- Soundless Type**
Energy Saving Type (Most efficient for saving energy)

Vacuum pump for drum can **discharging only** Compressor with higher than 1HP

APD-i series Various Line-ups for various liquid/applications

Model	APD-20(25)-i	APD-20(25)-H-i	APD-20(25)-G-i	APD-20(25)-GN-i	APD-20SUS-i	APD-20SUSN-i	
Applicable liquid	Oils	Oils	kerosene-Light oil-Gasoline	kerosene-Light oil-Gasoline	Solvent	Solvent	
Discharging Volume	65(150)ℓ/min(1cp)	55(80)ℓ/min(1cp)	55(115)ℓ/min(1cp)	50(70)ℓ/min(1cp)	40ℓ/min(1cp)	35ℓ/min(1cp)	
Height for Lifting	2m	2m	2m	2m	2m	2m	
Accessories	Nozzle	Ball Valve	Manual Gun Nozzle	Ball Valve	Manual Gun Nozzle	Ball Valve	Manual Gun Nozzle
	Hose (Long·Inner dia.)	PVC(2m×25(32)φ)	PVC(2m×25(32)φ)	PVC(2m×20(25)φ)	PVC(2m×20(25)φ)	SUS304(2m×20φ)	SUS304(2m×20φ)
Material / Air portion	Ground Wire	—	—	Inclusive	Inclusive	Inclusive	Inclusive
	Body/Nozzle	AL	AL	AL	AL	SUS304	SUS304
	Packing	FKM	FKM	FKM	FKM	PTFE·FFKM	PTFE·FFKM
	Weight	4.4(5.6)kg	4.3(5.1)kg	5.6(7.4)kg	5.3(6.5)kg	7.8kg	7.6kg

200L, based on JIS (Japanese Industrial Standard)
For closed drum can only (dia. G2)



APD-20-i (Discharging only)

Ground Wire Standard for (G) and (AS) only

AQUA
SYSTEM CO.,LTD.

05

Vacuum Pump for pail can

Air type Compressor/ 5HP / 3HP
Viscosity Less than 3,000cP

Pump to transfer with compressed air
To collect waste liquid in tank, To change oil

Applicable at hazardous area

APDQ1-25-i (Sucking only)

APD-R-i (Discharging only)

APDX1-25-i (Both for discharging and sucking)

- No motor assures little trouble, also applicable for liquid with foreign materials
- No electricity use assures safety at hazardous area

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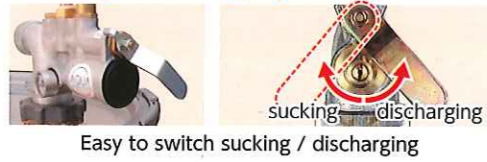
This product works for both sucking/discharging the liquid.

Vacuum pump for drum can, **both for discharging and sucking**



Recommendable to transfer from drum can. Simple one-touch operation for sucking/discharging

This works both for sucking/discharging with one-lever.



Adjustable Valve

Discharging·sucking volumes can be adjustable with valve.



Air Coupler 30PF

Improved for easier fixing

Adapter

Easy to fix, due to bag-nut type.



Ground Wire Standard for (G) and (AS) only

Spring for sucking gate Spring head works for effectively discharging the liquid.



Ejector

Air Exhaust (Rc 1/4)



Pressure Meter

Visible to make sure of pressure in drum can.



Better visible design

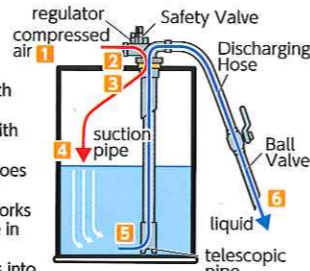
200L, based on JIS (Japanese Industrial Standard) For closed drum can only (dia. G2)



APDX1-25-i (Both for discharging and sucking)

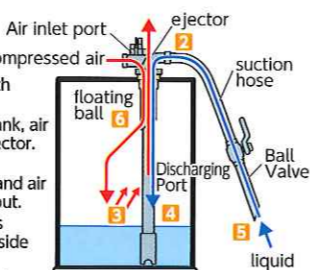
Discharging

- 1 Fill compressed air with 0.1-1 Mpa.
- 2 Reduce to 0.05Mpa with regulator.
- 3 Pressure reduced air goes into the tank.
- 4 The compressed air works to lower liquid surface in tank.
- 5 The pushed liquid gets into pipe.
- 6 Discharge the liquid from nozzle, after filtered.



Sucking

- 1 Fill compressed air with 0.4-0.6 Mpa.
- 2 Without getting into tank, air is pushed out from ejector.
- 3 Negative pressure is generated in ejector, and air in the tank is pushed out.
- 4 As negative pressure is generated in tank, outside air is sucked in.
- 5 Liquid is sucked through nozzle.
- 6 Once liquid is full, floating ball works to stop sucking at air discharging port.



Vacuum pump for drum can **both for discharging and sucking** Compressor with higher than 3HP

APDX1-25-i This works both for sucking/discharging with one-lever.

Model	APDX1-25-i	APDX1-25G-i	APDX1-25AS-i
Applicable liquid	Oils	kerosene·Light oil·Gasoline	Solvent
Air Consumption	167ℓ/min	167ℓ/min	167ℓ/min
Discharging Volume	100ℓ/min (1cp)	70ℓ/min (1cp)	70ℓ/min (1cp)
Height for Lifting·Sucking	2m	2m	2m
Accessories	Nozzle	Ball Valve	Ball Valve
	Hose (Long· Inner dia.)	PVC(2m×32φ)	NBR(2m×25φ)
	Ground Wire	—	Inclusive
Material/Weight portion	Body/Nozzle	AL·Steel Plating	AL·Steel Plating
	Packing	NBR	NBR
	Weight	4.3kg	5.7kg

To collect various liquids, kerosene, light oil, cutting liquids with foreign materials etc.

Vacuum pump for drum can, **sucking only**



Pressure difference in drum can works to transfer the liquid.

Adapter

Easy to fix, due to bag-nut

Improved for easier fixing



Adjustable Valve

Sucking volume is adjustable due to adjustable valve.



- Automatically stopped, when liquid is full.
- Continuous operation is assured, even for the liquid with mixed materials.
- No electricity assures your safety even at hazardous area.
- Ground wire applied for static electricity for (G) and (AS) only.
- Effective collection for the liquids to viscosity up to 3,000cP.
- Very little trouble expectd. as motor is not used. Also, smooth flow is assured even for the liquid with foreign materials.

*As main body is aluminum made, some limited liquids are not applicable.

Ejector

Air Exhaust (Rc 1/4)



200L, based on JIS (Japanese Industrial Standard) For closed drum can only (dia. G2)

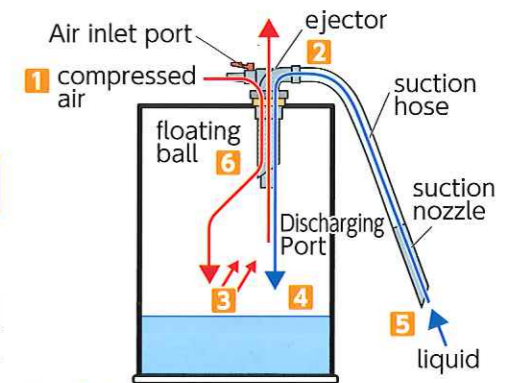


APDQ1-25-i (Sucking only)

Vacuum pump for drum can **sucking only** Compressor with higher than 3HP

APDQ1-25-i Collection after washing

Model	APDQ1-25-i	APDQ1-25G-i	APDQ1-25AS-i
Applicable liquid	Oils	kerosene·Light oil·Gasoline	Solvent
Air Consumption	167ℓ/min	167ℓ/min	167ℓ/min
Max. sucking capacity	80ℓ/min (1cp)	50ℓ/min (1cp)	50ℓ/min (1cp)
Lifting Height	2m	2m	2m
Accessories	Nozzle	Straight pipe	Straight pipe
	Hose (Long· Inner dia.)	PVC(2m×32φ)	NBR(2m×25φ)
	Ground Wire	—	Inclusive
Material/Weight portion	Body/Nozzle	AL·Steel Plating	AL·Steel Plating
	Packing	NBR	NBR
	Weight	3.3kg	4.4kg



Sucking

- 1 Fill compressed air with 0.4-0.6 Mpa.
- 2 Without getting into tank, air is pushed out from ejector.
- 3 Negative pressure is generated in ejector, and air in the tank is pushed out.
- 4 As negative pressure is generated in tank, outside air is sucked in.
- 5 Liquid is sucked through nozzle.
- 6 Once liquid is full, floating ball works to stop sucking at air discharging port.