

Chemical Drum Pumps for Chemicals and Solvents

**Now On Sale with
Great Reviews**

We've expanded the range of compatible liquids in response to customer requests!



**Electric Model
100V**

**Air-operated
type**

With Valve: Allows for liquid stop and adjustment

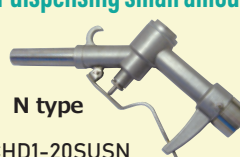
V type



- CHD1-20SUSV
- CHD1-20ASUSN

With Gun Nozzle: Convenient for dispensing small amounts

N type



- CHD1-20SUSN
- CHD1-20ASUSN

Chemicals and Solvents



Solvent-Compatible Electric 100V Model

Electric Chemical Drum Pump



Air-powered Chemical Drum Pump for Flammable Liquids

Air Motor-Driven Chemical Drum Pump



- Feature 1** Made of corrosion-resistant stainless steel and PTFE, suitable for many solvents.
- Feature 2** Lightweight and compact, making it easy to handle in and out of drum cans.
- Feature 3** Can be used with flammable liquids with an air motor drive (CHD1-20A Series).

It can be used in the following areas!

- Manufacturing of lithium batteries (secondary batteries)
- Dyeing, semiconductor, disinfectant manufacturing, automotive, and home appliance factories
- Metal plating and surface treatment factories
- New energy sector



Compatible with these types of liquids!

- ✓ Alcohol
- ✓ Ethyl acetate
- ✓ Sodium hydroxide
- ✓ Hydrogen peroxide
- ✓ Acids, alkalis, and more
- ✓ Thinner
- ✓ Acetone
- ✓ Cleaning solution
- ✓ Nail polish remover



*For flammable liquids, please use the air-operated type.

《Specifications》

Model	CHD1-20A SUS	CHD1-20A SUSV	CHD1-20A SUSN	CHD1-20 SUS	CHD1-20 SUSV	CHD1-20 SUSN
Usable viscosity (cP)	100					
Air consumption (L/min)	583			-		
Power Supply (V)				100		
Current (A)	-			2		
Rated (min)				Continuous operation possible		
Discharge Pressure (Mpa)	0.035			0.04		
Maximum discharge capacity (at 1cP/L/min)	30		20	22		33
Maximum Suction Head (m)	3.5			4		
Suction Lift (m)	2					
Accessories	Hose SUS (2m×20A)					
	Valve		-	○	-	○
	Manual Nozzle		-	○	-	○
Power Cord (m)	-			3		
Weight (kg)	7.0	7.5	8.1	7.0	7.5	8.1

Here is the lineup of Aqua System's solvent drum pump series, which can be selected according to the site and application!

Air-Operated Type

Safe and secure even in fire hazard areas.

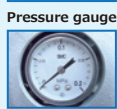
When using in fire hazard zones, minimizes residual liquid in the drum can:

Air Pressure Pump APD-20(25)AS / APD-20SUS



Compressor
1hp

Viscosity
3,000cP

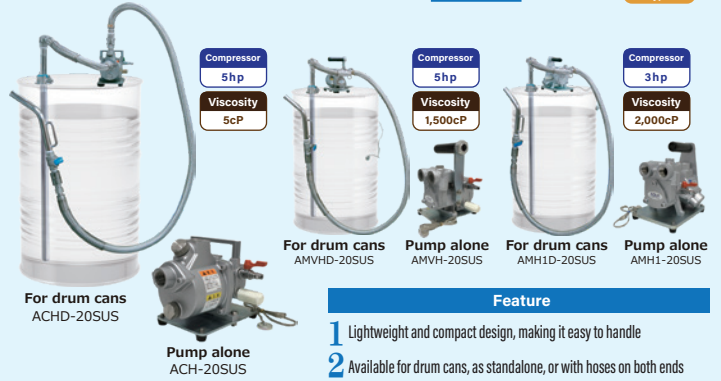


Feature

- 1 Minimal residual liquid (approximately 200cc), efficient discharge without waste
- 2 Safe transfer of volatile and flammable liquids
- 3 Double pressure reduction with a regulator and safety valve for peace of mind

When discharging solvents without sealing the drum and without pulsation:

Air-operated handheld pump ACH/AMVH/AMH1 Series



Compressor
5hp
Viscosity
5cP

Compressor
5hp
Viscosity
1,500cP

Compressor
3hp
Viscosity
2,000cP

Feature

- 1 Lightweight and compact design, making it easy to handle
- 2 Available for drum cans, as standalone, or with hoses on both ends
- 3 Pumps that can be selected according to liquid, lift height, and viscosity

*Be sure to use an air filter and lubricator.

Manual Type

No need to choose the power source or operating environment.

For manually dispensing solvents from drum cans:

Hand Rotary Pump HRD-25/HRP-25 Series



Viscosity
500cP



Feature

- 1 Safe for highly volatile liquids with a sealed adapter
- 2 Equipped with a strainer to prevent foreign matter contamination
- 3 HRD supports specific gravity up to 1.5, HRP supports specific gravity up to 1.1

For dispensing high-viscosity solvents from drum cans:

Hand Piston Pump S-LX Series



Viscosity
10,000cP



Feature

- 1 Supports high viscosity up to 10,000 cP and specific gravity above 1.5
- 2 For low-viscosity liquids, siphoning works effectively
- 3 Discharge volume per stroke: 600 cc

《Specifications》

Model	APD-20AS(N)	APD-25AS(N)	APD-20SUS(N)	ACH-20SUS	AMVH-20SUS	AMH1-20SUS	ACHD-20SUS	AMVHD-20SUS	AMH1D-20SUS
Compatible Containers	200L closed drum can			Pump only			200L closed drum can		
Motor-driven type	Air pressure			Vane motor		Radial piston motor	Vane motor		Radial piston motor
Pump type	Sealed pressure			Centrifugal pump	Vane pump		Centrifugal pump	Vane pump	
Usable viscosity (cP)	3,000			5	1,500	2,000	5	1,500	2,000
Air consumption (L/min)	-			508	560	415	508	560	415
Maximum discharge capacity (at 1cP/L/min)	35 (115)	30 (70)	40 (35)	50	45	32	50	45	25
Maximum Suction Head (m)	2			5	10	15	5	10	15
Suction Lift (m)	-			2		5	2		5
Accessories	Nozzle	Ball valve (Type: N at the end, Manual gun)			RC3/4		Coupler, SUS hose, ball valve nozzle included		
	Hose material	SUS304			RC3/4		Coupler, SUS hose, suction pipe, strainer included		
Weight (kg)	6.3 (6.2)	8.5 (8.4)	7.8 (7.6)	6.4	9.7	8.8	14.0	17.3	18.6

Model	HRD-25 SUS	HRD-25 SUSHM	HRD-25 SUSHM	HRP-25 III	HRD-25 IIIH	HRD-25 IIIHM	HRP-25Z	HRP-25ZM	S-LX	S-LXHS
Compatible Containers	Hand-cranked 200L closed drum can								Piston-type 200L closed drum can	
Usable viscosity (cP)	500								10,000	
Discharge volume (CC per stroke)	220				200				600	
Maximum discharge capacity (at 1cP/L/min)	2									
Accessories	Adapter	○	Sealed type	○	Sealed type	○	Sealed type	○	○	○
	Grounding wire	-	-	-	-	-	-	-	-	-
	Valve	-	○	-	○	-	○	-	-	○
	Strainer	40 mesh								Spouts with 6.5mm diameter holes
Hose material	-	SUS304	-	SUS304	PP	-	SUS304	-	SUS304	
Weight (kg)	7.4	8.0	8.7	3.2	3.8	4.5	2.4	2.8	1.9	3.3

*When using solvents, only materials that will not be damaged should be used (please contact us for details).

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