

# High Pressure Diaphragm Pump

## CHARACTERISTICS

1. Available to feed slurry with high pressure.
2. The diaphragm prevents the piston from slurry contact allowing less wear of the main sliding parts.
3. Pressure and oil relief function realize the continuous operation at constant pressure.
4. Closed oil system provides clean workplace.
5. Continuous and quiet operation.
6. Less maintenance.
7. Several materials for liquid contact parts available.

- Materials:  
cast iron, stainless,  
Nylon coating.



Pressure and oil relief valve unit



MDP-N115



MDP-125



MDP-125W

## ■ SPECIFICATIONS (STANDARD TYPE)

Specifications	Model	MDP-N115	MDP-125	MDP-125W
Dimensions(mm)		L950×W620×H2050	L1420×W940×H2350	L1430×W1650×H2805
Piston Dia. × stroke (mm)		φ115×180 <sup>ST</sup>	φ125×180 <sup>ST</sup>	φ125×180 <sup>ST</sup>
Crank revolution (r.p.m)		65	70	65
Diaphragm (mm)		φ420× <sup>1</sup> 10	φ490× <sup>1</sup> 10	φ490× <sup>1</sup> 10
Piping connection	Inlet (A)	65	65	65
	Outlet (B)	65	65	65
Motor		4P-5.5kW	6P-11kW	6P-18.5kW
Pressure (Mpa)		1.5	1.5	2.0
※1 Discharge volume (Liter/min)		90	115	220
Net Weight (kg)		1250	1450	3200

※ 1: Under no load with fresh water conditions.

※ 2: Values are for references.

Specifications and dimensions are subject to change without notice.



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## High Pressure Diaphragm Pump

This diaphragm pump is designed for continuous slurry feed to filter press with high pressure.

**Enables continuous duty for a long time operation !**

**Easy operation !**

**Noise reduced design !**

With the achievement of **10,000 unit sales**,

We recommend our reliable pump with different models.



MDP-40S



MDP-55



MDP-70S



MDP-95S

### ■ SPECIFICATIONS (STANDARD TYPE)

Specifications		Model	MDP-40S	MDP-55	MDP-70S	MDP-95S
Dimensions(mm)			L900×W405×H1050	L760×W465×H1470	L850×W500×H1500	L950×W675×H1750
Piston Dia.×stroke (mm)			φ40×80 <sup>ST</sup>	φ55×110 <sup>ST</sup>	φ70×140 <sup>ST</sup>	φ95×190 <sup>ST</sup>
Crank revolution (r.p.m)			105	87	65	60
Diaphragm (mm)			φ215×110	φ250×114	φ315×120	φ371×124
Piping connection	Inlet (A)		25	32	40	50
	Outlet (B)		20	32	40	50
Motor			4P-0.75kW 1/10GM	4P-1.5kW	4P-2.2kW	4P-3.7kW
Pressure (kgf/cm <sup>2</sup> )			12	12	12	12
※1 Discharge volume (Liter/min)			8	17	26	60
Net Weight (kg)			approx. 160	approx. 280	approx. 500	approx. 760

※1: Under no load with fresh water conditions.

1 kgf/cm<sup>2</sup>≒0.098MPa

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