



MAX FLOW SERIES

DIAPHRAGM PUMPS

**POWERING PERFORMANCE,
PRECISION AND RELIABILITY.**

Experience the next level of efficient fluid transfer with our **Max Flow** Double Diaphragm Pump Series. Designed and manufactured in Japan, the Macnaught Max Flow range delivers **industrial-grade** process pumping solutions. Engineered for versatility and performance, the series supports a wide range of flow rates to meet diverse industrial needs with **minimal air consumption**.



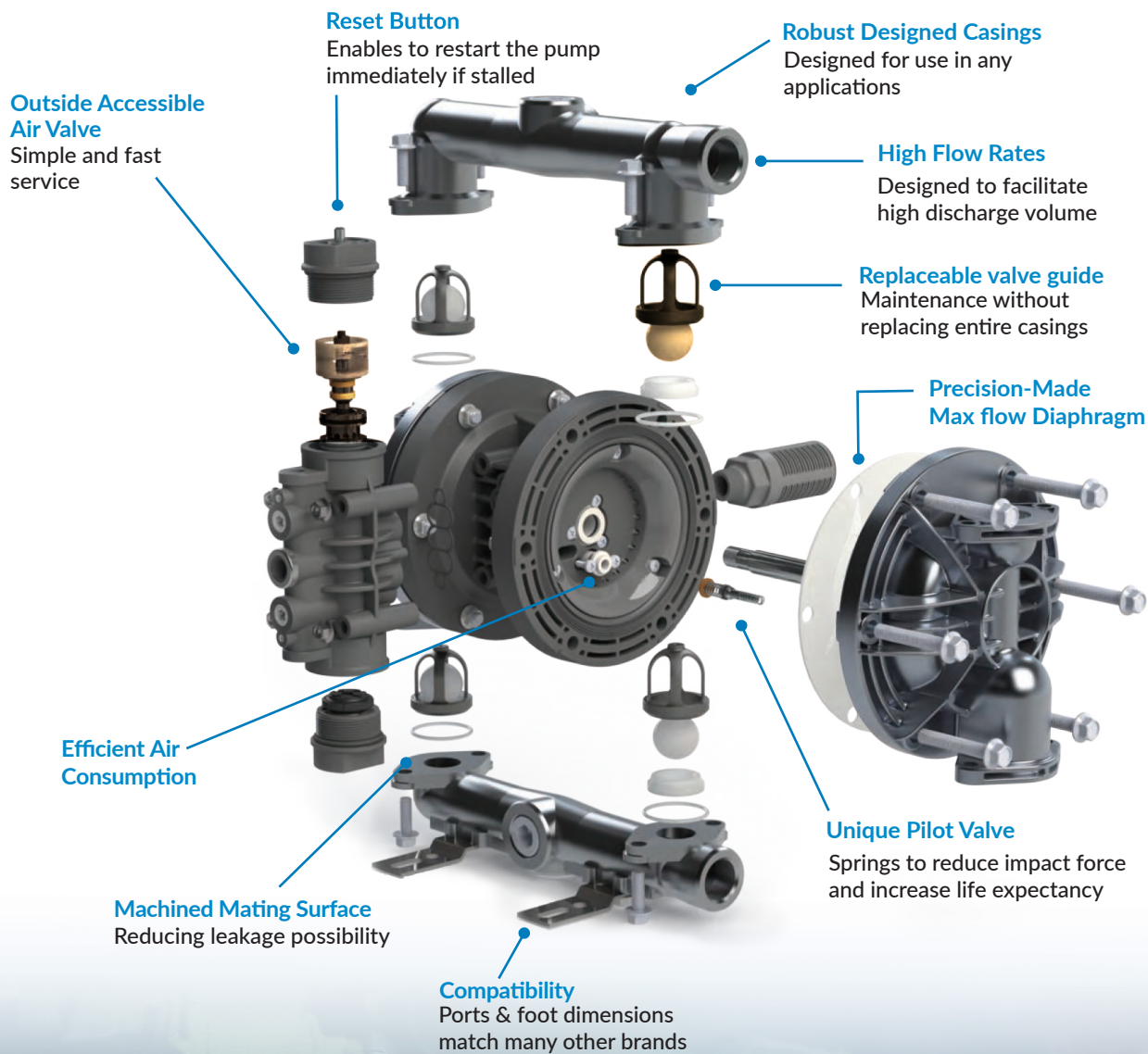
MAX FLOW SERIES PUMP APPLICATIONS

- **Chemical:** For chemical transfers including flammable, toxic fluids, and dosing.
- **Mining:** Suitable for underground, aboveground, dewatering, solids, and chemical transfers.
- **Automotive:** Handles fuels, oils, brake/radiator fluids, and windshield wiper solutions.
- **Paint & Coating:** Ideal for paints, lacquers, automotive spraying, furniture coating, and marine finishes.
- **Food & Beverage:** Used in loading/unloading, cleaning, sanitizing, and filling in breweries, wineries, and distilleries.
- **Oil & Gas:** Reliable for on/offshore fuel and lubrication transfers.
- **Water Treatment:** Supports chemical dosing, filtration, sump circulation, and tank maintenance.



WHERE INNOVATION MEETS FUNCTION

THE MAX FLOW ADVANTAGE



BENEFITS

- Low Air Consumption
- Optimised Flow
- Self Priming
- Effortless Maintenance
- Run-Dry Capable
- Handles Slurries
- Deadhead Resistant
- Lube-Free Operation
- Submersible

NEW

MAX FLOW SERIES

DIAPHRAGM PUMPS

AIR OPERATED DOUBLE DIAPHRAGM PUMP 1/2"

M-DDP13PN-01

Parameter	Specification
Max. Flow Rate	62 LPM
Fluid Inlet / Outlet	1/2" BSPT (F)
Air Inlet	1/4" BSPT (F)
Max. Air Pressure	0.7 MPa / 100 PSI
Suction Lift	2 m (dry) & 8 m (wet)
Liquid Temp. (°C)	0°C – 60°C
Noise Level (ISO 1996)	84 dB
Diaphragm	Nitrile Buna-N (NBR)
Casing	Polypropylene(PP)

Recommended fluid*:

Oils (new & used), Engine Coolants (new & used), Oily water, Diesel, Mild Chemicals (Acetic Acid, Phosphoric Acid), Liquid Fertilizers.



AIR OPERATED DOUBLE DIAPHRAGM PUMP 3/4"

M-DDP19GN-01

Parameter	Specification
Max. Flow Rate	130 LPM
Fluid Inlet / Outlet	3/4" BSPT (F)
Air Inlet	3/8" BSPT (F)
Max. Air Pressure	0.7 MPa / 100 PSI
Max. Solid Size	2mm
Suction Lift	3 m (dry) & 8 m (wet)
Liquid Temp. (°C)	0°C – 60°C
Noise Level (ISO 1996)	85 dB
Diaphragm	Nitrile Buna-N (NBR)
Casing	Glass-Filled Polypropylene (PPG)

Recommended fluid*:

Oils (new & used), Engine Coolants (new & used), Oily water, Diesel, Mild Chemicals (Acetic Acid, Phosphoric Acid), Liquid Fertilizers.

* Note: Please refer to the pump compatibility metric to determine the recommended fluids.

AIR OPERATED DOUBLE DIAPHRAGM PUMP 1"

M-DDP25AN-01

Parameter	Specification
Max. Flow Rate	220 LPM
Fluid Inlet / Outlet	1" BSPT (F)
Air Inlet	3/8" BSPT (F)
Max. Air Pressure	0.7 MPa / 100 PSI
Max. Solid Size	6.5mm
Suction Lift	4.5 m (dry) & 8 m (wet)
Liquid Temp. (°C)	0°C – 60°C
Noise Level (ISO 1996)	81 dB
Diaphragm	Nitrile Buna-N (NBR)
Casing	Aluminium

Recommended fluid*:

Oils (new & used), Engine Coolants (new & used), Oily water, Diesel, Thinners.



AIR OPERATED DOUBLE DIAPHRAGM PUMP 1½"

M-DDP38AN-01

Parameter	Specification
Max. Flow Rate	600LPM
Fluid Inlet / Outlet	1½" BSPT (F) / 1½" DIN
Air Inlet	3/4" BSPT (F)
Max. Air Pressure	0.85 MPa / 125 PSI
Max. Solid Size	8mm
Suction Lift	5.5 m (dry) & 8 m (wet)
Liquid Temp. (°C)	0°C – 70°C
Noise Level (ISO 1996)	97 dB
Diaphragm	Nitrile Buna-N (NBR)
Casing	Aluminium

Recommended fluid*:

Oils (new & used), Engine Coolants (new & used), oily water, Antifreeze, Diesel, Paints, Mild Adhesives



* Note: Please refer to the pump compatibility metric to determine the recommended fluids.

AIR OPERATED DOUBLE DIAPHRAGM PUMP 2"

M-DDP50AN-01

Parameter	Specification
Max. Flow Rate	800 LPM
Fluid Inlet / Outlet	2" BSPT (F) / 2" DIN
Air Inlet	3/4" BSPT (F)
Max. Air Pressure	0.85 MPa / 125 PSI
Max. Solid Size	8mm
Suction Lift	5.5 m (dry) & 8 m (wet)
Liquid Temp. (°C)	0°C – 70°C
Noise Level (ISO 1996)	96 dB
Diaphragm	Nitrile Buna-N (NBR)
Casing	Aluminium

Recommended fluid*:

Oils (new & used), Engine Coolants (new & used), oily water, Diesel, Paints, Mild Adhesives.



AIR OPERATED DOUBLE DIAPHRAGM PUMP 3"

M-DDP75AN-01

Parameter	Specification
Max. Flow Rate	1050 LPM
Fluid Inlet / Outlet	3" BSPT (F) / 3" DIN
Air Inlet	3/4" BSPT (F)
Max. Air Pressure	0.85 MPa / 125 PSI
Max. Solid Size	10mm
Suction Lift	5.5 m (dry) & 8 m (wet)
Liquid Temp. (°C)	0°C – 70°C
Noise Level (ISO 1996)	90 dB
Diaphragm	Nitrile Buna-N (NBR)
Casing	Aluminium

Recommended fluid*:

Oils (new & used), Engine Coolant (new & used), Oily water, Diesel, Paints, Mild Adhesives



* Note: Please refer to the pump compatibility metric to determine the recommended fluids.

AIR OPERATED DOUBLE DIAPHRAGM PUMP 1.5S

M-DDP25SW-014

Parameter	Specification
Max. Flow Rate	180 LPM
Fluid Inlet / Outlet	Ferrule 1.5 S
Air Inlet	3/8" BSPT (F)
Max. Air Pressure	0.7MPa / 100 PSI
Max. Solid Size	3mm
Suction Lift	3.5 m (dry) & 8 m (wet)
Liquid Temp. (°C)	0°C – 100°C
Noise Level (ISO 1996)	83 dB
Diaphragm	PTFE • EPDM.
Casing	Stainless Steel

FDA-Compliant Applications*

Food & Beverage, Pharmaceuticals, Cosmetics & Personal Care, Nutraceuticals, Chemicals, and Petrochemicals.

* Note: Please refer to the pump compatibility metric to determine the recommended fluids.



Service Kit

Model	M-DDP13PN-01	M-DDP19GN-01	M-DDP25AN-01	M-DDP38AN-01	M-DDP50AN-01	M-DDP75AN-01	M-DDP25SW-014
Liquid Side Service Kit (PN)	M-DDP13SKWE-N	M-DDP19SKWE-N	M-DDP25SKWE-N	M-DDP38SKWE-N	M-DDP50SKWE-N	M-DDP75SKWE-N	M-DDP25SWWE
Air Motor Service Kit (PN)	M-DDP13SKAM	M-DDP19SKAM	M-DDP25SKAM	M-DDP38SKAM	M-DDP50SKAM	M-DDP75SKAM	M-DDP25SWAM



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For Warranty Terms and Conditions see macnaught.com.au

For a list of Australian Service Centres see macnaught.com.au